



BSES Rajdhani Power Ltd.

BSES RAJDHANI POWER LTD (BRPL)

Notice Inviting Tender (NIT)

for

Civil Retrofitting Works of Office Buildings & Grid Buildings in BRPL.

NIT No: CMC/BR/24-25/FK/CR/SS/1232

Dated: 20.12.2024

Due Date for Submission of Tender: 10.01.2025, 15:30 HRS

Date and Time of opening: 10.01.2025, 15:45 HRS

BSES RAJDHANI POWER LIMITED,

BSES Bhawan, Nehru Place, New Delhi – 110019.

Corporate Identification Number: U74899DL2001PLC111527

Website : www.bsesdelhi.com

(This document is meant for the exclusive purpose of bidding against this NIT Number /Specification and shall not be transferred, reproduced, or otherwise used for purposes other than that for which it is specifically issued).

CONTENTS

S.No.	ITEM	DISCRIPTION
1	CHECK LIST	CHECK LIST FOR BID SUBMISSION
2	SECTIONS	
2.1	SECTION-I	REQUEST FOR QUOTATION (RFQ)
2.2	SECTION-II	INSTRUCTION TO BIDDERS (ITB)
2.3	SECTION-III	SPECIAL CONDITIONS OF CONTRACT (SCC)
2.4	SECTION-IV	GENERAL CONDITIONS OF CONTRACT (GCC)
2.5	SECTION-V	SCOPE OF WORK
2.6	SECTION-VI	PRICE BID
3	ANNEXURES	
3.1	ANNEXURE-I	BID FORM
3.2	ANNEXURE-II	BIDDER'S DETAILS
3.3	ANNEXURE-III	ACCEPTANCE OF REVERSE AUCTION
3.4	ANNEXURE-IV	ENVIRONMENTAL, OCCUPATIONAL HEALTH & SAFETY CONDITIONS OF CONTRACT
4	FORMATS	
4.1	EMD	EARNEST MONEY DEPOSIT (EMD) BANK GUARANTEE
4.2	CPBG	CONTRACT CUM PERFORMANCE BANK GUARANTEE (CPBG)
4.3	NDA	NON-DISCLOSURE AGREEMENT (NDA)
4.4	NDD	NO DEVIATION DECLARATION (NDD)
4.5	COMMUNICATION	BIDDER'S COMMUNICATION DETAILS

INDEX

SECTION- I REQUEST FOR QUOTATION (RFQ)	9
1. GENERAL	10
2. POINTS TO BE NOTED	10
3. EMD	11
4. QUALIFYING REQUIREMENTS (QR)	12
5. PRE-BID MEETING:	14
6. BID SUBMISSION	14
7. TIME SCHEDULE	16
8. AWARD DECISION	16
9. MARKET INTEGRITY	17
10. CONFIDENTIALITY	17
11. CONTACT INFORMATION	17
SECTION-II : INSTRUCTIONS TO BIDDERS (ITB)	18
1. GENERAL	19
2. SCOPE OF WORK	19
3. DISCLAIMER	19
4. COST OF BIDDING	20
5. TENDER DOCUMENTS	20
6. AMENDMENT OF TENDER DOCUMENTS	20
7. PREPARATION OF BIDS & LANGUAGE	21
8. DOCUMENTS COMPRISING THE BID	21
9. BID FORM	21
10. BID PRICES	21
11. BID CURRENCIES	21
12. PERIOD OF VALIDITY OF BIDS	21
13. ALTERNATIVE BIDS	21
14. FORMAT AND SIGNING OF BID	21
15. SEALING AND MARKING OF BIDS	22
16. DEADLINE FOR SUBMISSION OF BIDS	22
17. ONE BID PER BIDDER	22
18. LATE BIDS	22
19. MODIFICATIONS AND WITHDRAWAL OF BIDS	22
20. EVALUATION OF BID	22
21. CLARIFICATION OF BIDS	23

22.	PRELIMINARY EXAMINATION OF BIDS / RESPONSIVENESS.....	23
23.	EVALUATION AND COMPARISON OF BIDS	23
24.	CONTACTING THE COMPANY	24
25.	COMPANY'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS 24	
26.	AWARD OF CONTRACT	24
27.	THE COMPANY'S RIGHT TO VARY QUANTITIES.....	24
28.	LETTER OF INTENT/ NOTIFICATION OF AWARD	24
29.	CORRUPT OR FRAUDULENT PRACTICES	24
30.	PROCESS TO BE CONFIDENTIAL.....	25
	SECTION – III : SPECIAL CONDITIONS OF CONTRACT (SCC).....	26
1.	DEFINITIONS.....	27
	ENGINEER IN-CHARGE (EIC) / OFFICER-IN-CHARGE (OIC)	27
2.	SCOPE OF WORK.....	27
3.	EFFECTIVE DATE, TIME AND VALIDITY.....	27
4.	ORDER VALUE	27
5.	RATES & ESCALATION	28
6.	CONTRACT CUM PERFORMANCE SECURITY BANK GUARANTEE (CPBG) 28	
7.	PAYMENT TERMS	29
8.	PENALTY.....	30
9.	DERC GUIDELINES & REGULATIONS.....	30
10.	INSURANCE POLICIES.....	30
11.	WARRANTY / DEFECT LIABILITY PERIOD.....	31
12.	QUALITY :.....	32
	MATERIALS & WORKMANSHIP:.....	32
13.	WORK COMPLETION CERTIFICATION, HANDING OVER AND MATERIAL RECONCILIATION:.....	33
14.	COMPLETION PERIOD:.....	33
15.	GUIDELINES REGARDING INSPECTION & MAINTENANCE OF PITS /DUG AREA WHILE DOING WORK AT SITE IN BRPL AREA.....	34
16.	MOBILISATION:	34
17.	DAMAGE OF PRIVATE PROPERTIES / LIFE:.....	34
18.	APPROACHES:	35
19.	SITE OFFICE AND SITE FACILITIES:.....	35
20.	EXTENSION OF TIME LIMIT & TIME OVER RUN:	35

21. SITE REPRESENTATIVE, SITE SUPERVISION AND ADVANCE INTIMATION:.....	35
22. AWARD / SUBLETTING OF CONTRACT:	36
23. SITE LOCATION:	36
24. SAFETY REGULATIONS:	36
25. CO-ORDINATION WITH OTHER AGENCIES:	36
26. MAINTENANCE OF WORK:	36
27. TESTING OF MATERIALS:	37
28. MEASUREMENT OF WORK:	37
29. GENERAL CONDITIONS:	37
30. QUANTITIES IN THE BOQ:.....	37
31. VARIATIONS AND EXTRA ITEMS:	37
32. EXECUTION OF ADDITIONAL WORKS:	38
33. DEFECT LIABILITY PERIOD:.....	38
SECTION – IV : GENERAL CONDITIONS OF CONTRACT (GCC).....	60
1. DEFINITION & INTERPRETATION	61
2. PRIORITY OF CONTRACT DOCUMENTS	63
3. AMENDMENT	64
4. LANGUAGE AND MEASUREMENT	64
5. EXAMINATION OF SITE & LOCAL CONDITIONS	64
6. TAXES & DUTIES	64
7. PAYMENT.....	65
8. TAX INVOICE SUBMISSION PROCEDURE AND CERTIFICATION	65
9. TIME ESSENCE OF CONTRACT	65
10. Liquidated Damages:	66
11. INSPECTION & QUALITY CONTROL.....	66
12. REPORTS AND INFORMATION	66
13. STATUTORY OBLIGATIONS	66
14. PENALTY FOR NON-COMPLIANCE OF STATUTORY REGULATIONS	67
15. PENALTY FOR MISCONDUCT/FAILURE IN PERFORMANCE OF TASK UNDER AGREEMENT	68
16. STATUTORY PERMISSION/ APPROVALS	69
17. REPRESENTATION, WARRANTIES AND GUARANTEES	71
18. EVENTS OF DEFAULTS	71
19. RISK & COST.....	72
20. LIMITATION OF LIABILITY	72

21.	TERMINATION	72
22.	GOVERNING LAW AND ARBITRATION	73
23.	FORCE MAJEURE.....	73
24.	NOTICE & COMMUNICATION	74
25.	SAFETY CODE.....	75
26.	CONTRACTOR'S OBLIGATIONS.....	75
27.	INDEMNITY	76
28.	SECREC Y & CONFIDENTIALITY	76
29.	NON-EXCLUSIVITY.....	77
30.	SEVERABILITY	77
31.	ASSIGNMENT & SUBLETTING	77
32.	ASSIGNMENT BY THE COMPANY.....	77
33.	NO JOINT VENTURE	77
34.	WAIVER OF RIGHTS	77
35.	THE COMPANY'S RIGHT TO VARY QUANTITIES.....	77
36.	VENDOR CODE OF CONDUCT	77
37.	DISCLOSURE OF RELATIONSHIP.....	78
38.	MSME.....	78
39.	COVID GUIDELINES.....	78
40.	CLEANLINESS & PRECAUTIONS TO BE TAKEN WHILE DOING WORK AT SITE TO PREVENT DUST POLLUTION.....	78
41.	ENVIRONMENTAL, HEALTH & SAFETY	79
42.	ACCEPTANCE.....	82
	SECTION – V :SCOPE OF WORK.....	83
1	GENERAL GUIDELINES	84
2	DESIGN AND EXECUTION CRITERIA.....	85
2.1	Design Criteria	85
2.2	Cement	85
2.3	Concrete	85
2.4	Steel	85
2.5	Aggregates	86
2.6	Bricks.....	86
2.7	Levelling, Excavation, Backfill& Compaction.....	86
2.8	General Requirement Site Surfacing/Stone Filling	87
2.9	Antiweed Treatment, Stone Spreading & PCC	87

2.10	TRENCH	88
2.11	SUBSTATION BUILDING.....	88
2.12	RAIN WATER HARVESTING WORKS.....	89
3	INTERFACING.....	89
4	INSPECTION, TESTING& QUALITY CONTROL	89
5	STATUTORY RULES	89
6	DEVIATIONS.....	90
7	TOOLS &PLANTS :.....	90
8	Retrofitting Work:.....	90
SECTION – VI: PRICE BID.....		93
ANNEXURE –I :BID FORM		375
ANNEXURE – II: BIDDER’S DETAILS		376
ANNEXURE – III: ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT		379
ANNEXURE – IV: ENVIRONMENTAL, OCCUPATIONAL HEALTH & SAFETY CONDITIONS OF CONTRACT.....		380

CHECK LIST**(FOR BID SUBMISSION)**

S. No	Item Description	Y/N
1	BID INDEX	
2	COVERING LETTER	
3	TENDER FEE	
4	EARNEST MONEY DEPOSIT	
5	POWER OF ATTORNEY	
6	BID FORM DULY SIGNED	
7	NON-DISCLOSURE AGREEMENT (NDA)	
8	NO DEVIATION DECLARATION (NDD)	
9	UNPRICED TECHNO-COMMERCIAL BID (IN SEPARATE SEALED ENVELOPE-1)	
10	PRICE BID (IN SEPARATE SEALED ENVELOPE-2)	
11	COMPLETE BID DOCUMENTS, ENVELOPE 1 & 2 (IN SEPARATE SEALED ENVELOPE-3)	

SECTION- I REQUEST FOR QUOTATION (RFQ)

SECTION- I
REQUEST FOR QUOTATION (RFQ)

1. GENERAL

BSES Rajdhani Power Limited invites sealed tenders on a “Single Stage: Two Envelope” bidding basis (Envelope –I, Techno-Commercial Bid & Envelope-II, Price Bid) from eligible Bidders for **Civil Retrofitting Works of Office Buildings & Grid Buildings in BRPL.**

- 1.1. The bidder must qualify the requirements as specified in heading “Qualifying Requirements” of this RFQ.
- 1.2. The sealed envelopes shall be duly super-scribed as:

“NIT No.: CMC/BR/24-25/FK/CR/SS/1232 Dated: 20.12.2024”

for

Civil Retrofitting Works of Office Buildings & Grid Buildings in BRPL.

Schedule of the tendering process is given below. Detailed Specification, Scope of Work, Terms & Conditions, etc are mentioned in the Tender documents, which is available on our website.

Cost of Tender Documents (Non- Refundable)	Rs. 1180/- (including GST)
Earnest money Deposit	Rs. 5.00 Lakhs
Duration of the Work	12 months
Tender documents on sale	20/12/2024 to 10.01.2025 (Working days)
Date & time of Submission of Bid	10/01/2025 till 15:30 HRS
Date & time of opening of Techno-Commercial Bid	10/01/2025 at 15:45 HRS

- 1.3. The tender document can be obtained from address given below against submission of non-refundable demand draft of **Rs. 1180/-** drawn in favour of BSES Rajdhani Power Ltd, payable at Delhi:

Head of Department
Contracts & Material Dept.
BSES Rajdhani Power Limited
1st Floor, “C” Block, BSES Bhawan
Nehru Place, New Delhi -110019.

- 1.4. Only DD shall be accepted for tender fees.
- 1.5. The tender documents will be issued on all working days up to the date mentioned in clause 1.3. The tender documents & detail terms and conditions can also be downloaded from the website www.bsesdelhi.com. In case tender documents are downloaded from the above website, then the bidder has to enclose a separate demand draft covering the cost of bid documents.

2. POINTS TO BE NOTED

- 2.1. Works envisaged under this contract are required to be executed in all respects up to the period of completion/ duration of work mentioned above.

- 2.2. Only those agencies, who fulfil the qualifying criteria as mentioned in clause 3 should submit the tender documents.
- 2.3. BSES RAJDHANI Power Ltd reserves the right to accept/reject any or all bids without assigning any reason thereof and alter/amend/modify/add/reduce the amount and quantity mentioned in the tender documents at the time of placing Order
- 2.4. The bid will be summarily rejected if:
 - (a) **Earnest Money Deposit (EMD)** and **Tender Fee** of requisite amount is not deposited as per tender conditions
 - (b) Bid received after due date and time.

3. EMD

- 3.1. The bidder shall furnish, as part of its bid, an EMD of the requisite amount. The EMD is required to protect the Company against the risk of Bidder's conduct which would warrant forfeiture. The EMD shall be denominated in any of the following forms:
 - (a) BG from nationalized / Scheduled Bank, as per the format annexed in the tender document, in favour of BSES Rajdhani Power Limited valid for 6(six) months from original due date of bid submission.
 - (b) Fixed Deposit (lien marked in favor of BSES RAJDHANI POWER LTD) valid for 6(six) months from original due date of bid submission.
- 3.2. Please note that bank details as given below have been provided only for the purpose of making BG for EMD.

Beneficiary Name	: BSES Rajdhani Power Limited
Bank Name	: State Bank of India
A/c No.	: 40214783615
IFSC Code	: SBIN0009601

The EMD of the bidders who are not technically qualified shall be returned after the price bid opening.
- 3.3. Earnest money given by all the bidders who are techno commercially qualified except the lower bidder shall be returned within 8 (Eight) weeks after award of the work.
- 3.4. The EMD of the successful bidder shall be returned on submission of CPBG as per tender terms.
- 3.5. The EMD may be forfeited in case of:
 - (a) The Bidder withdraws its bid during the period of bid validity specified by the Bidder in the Bid Form or
 - (b) The successful Bidder does not
 - (i) Accept the Purchase Order/Work Order, or
 - (ii) Furnish the required CPBG as per tender terms
 - (c) The bidder is found to have submitted false or forged, any of the documents/certificates/information.

4. QUALIFYING REQUIREMENTS (QR)

The prospective bidder must qualify all of the following requirements to be eligible to participate in the bidding. Bidders who meet following requirements will be considered as successful bidder and management has a right to disqualify those bidders who do not meet these requirements.

4.1 Technical Qualifying Criteria:

Bidder must have executed the works, civil in nature, in any power distribution Utilities / SEB's / Discoms / other govt. organizations/other renowned organizations in preceding seven years as specified in the attached BOQ. They should have successfully completed:

Three civil works of executed value each having not less than amount equal to Rs. 1.2 Cr (i/c GST)

Or

Two civil works of executed value each having not less than amount equal to Rs. 1.5 Cr (i/c GST)

Or

One civil work of executed value each having not less than amount equal to Rs. 2.4 Cr (i/c GST)

The bidder shall submit Performance/Completion Certificate supporting the above requirement. Copy of contract also to be submitted in case of work order issued by organization other than BSES.

4.2 COMMERCIAL CRITERIA

4.2.1 The average annual turnover of the Bidder, in the preceding three (3) financial years (i.e., FY24, FY23 & FY22) should not be less than Rs 5 Crore. Bidder to provide UDIN based CA certificate / balance sheet as proof of the same.

4.2.2 The bidder should have net worth of Rs.1 Crore as on the last day of the preceding financial year on the date of bid submission.

4.2.3 Bidder must provide proof of having solvency of an amount equal to Rs.50 Lakhs from any nationalized/ scheduled commercial bank. The solvency certificate should not be older than one month from the date of issuance of the NIT

4.2.4 Bidder should have valid Registration No. of GST.

4.2.5 Bidder should have PAN No. & should fulfill all statutory compliances like PF, ESI registration etc.

4.2.6 Entities that have been debarred/blacklisted by any Private/central/state government Institution including electricity boards in India will not be considered; in this regard a written Statement has to be provided on bidder's letterhead along with other documents. Vendors/ Agencies who have been debarred/ blacklisted/ suspended by BRPL in last 3 financial years will not be considered in this tender.

4.2.7 The bidder should submit an undertaking for "No Litigation" / no legal case is pending with BRPL or its Group Companies. Bidders having any litigation/ legal case pending with BRPL shall not be considered qualified for this tender.

4.2.8 The bidder should give an undertaking on their letterhead that all the documents/certificates/information submitted by them against the tender are genuine/true/correct and the copies of documents have been made from the original

document/s. Further in case any of the documents/certificates/information submitted by the bidder is found to be false or forged, BRPL at its sole discretion shall be free to take all actions as permitted under law, including forfeiture of EMD and disqualification from participation in the future tenders for 1 year in BRPL & its group companies.

Please Note :

- (1) **Eligibility for Award of Contract for Multiple Packages/Work:** The successful bidder shall be eligible for award of a contract for one package based on meeting the aforementioned minimum qualifying criteria. However, to be eligible for the award of contract for additional packages/work, the bidder's turnover must be more than the value of the contracts to be awarded to them.
- (2) BRPL will verify the bidder's credentials like work order copies, performance certificates etc. submitted by the bidder from the respective issuing client, in case any of the documents/certificates/information submitted by the bidder is found to be false or forged, action as deemed fit, including forfeiture of EMD & blacklisting may be initiated by BRPL. If required, BRPL may direct the bidder to provide the required contact details of the client who can confirm the authenticity of the documents submitted to facilitate the verification process within the timelines provided by BRPL.

OTHER REQUIREMENTS:

- a. Company reserves the right to carry out technical capability/ infrastructure assessment of the Bidders by factory/office/site inspection or by any other means and company's decision shall be final in this regard.
- b. No Joint ventures / consortiums are allowed.
- c. The bidder shall submit all necessary documentary evidence to establish that the Bidder meets the above qualifying requirements including but not limited to the following:
 - i. Last three Financial Years (FY23-24, FY22-23 & FY21-22) audited financial statement.
 - ii. Bidder to submit UDIN based CA Certificate showing NIL dues towards Statutory Liabilities, including GST, Taxation, PF, ESI, or any other dues Statutory in nature for the period upto 31.03.2024, herein collectively called as "Statutory dues" and there is no liability over the bidder relating to deposition of such statutory dues.
 - iii. Detail of Banks and Fund & Non fund based Credit limit
 - iv. Details of formation/registration of the firm (Proprietary/ Partnership) or Company along with all relevant details)
 - v. Memorandum & Articles of Association of the Company/ Partnership Deed of the Firm /other registration documents, as applicable
 - vi. Organization Chart of the Bidders Company/organization
 - vii. Organization chart for execution of the contract
 - viii. Experience details with credentials
 - ix. Number of Employees & necessary details
 - x. Details of office/s in Delhi, Details of Registered and Corporate offices and details of other offices/establishments in India.
 - xi. Work order / Agreement copies along with performance certificates in support of relevant experience.
 - xii. Turnover certificate issued by CA (along with UDIN no.) for the last three Financial Years.
 - xiii. Net worth certificate as elaborated in financial QR
 - xiv. List of pending litigation with government/other institution on account of executing any order.
 - xv. Copy of ESI/PF Registration certificate

- xvi. Copy of PAN/GST no.
- xvii. Copy of GST Return of last Financial Year.
- xviii. Non-Disclosure Agreement (NDA) as per format attached
- xix. Bidder's details as per format attached
- xx. Solvency Certificate
- xxi. An undertaking to provide all Tools & Plants , PPEs as per tender scope
- (a) The bidder should enclose performance certificates in support of relevant experience.
- (b) For Existing vendors of BRPL, the evaluation will also include the performance in the existing contracts via-a-vis performance in terms of HR issues, all statutory Compliance parameters and wages disbursement by Vendors. BRPL reserves the right to qualify or disqualify their bid based on the contract performance despite them meeting the above-mentioned qualification requirements. In case of bidder has a previous association with BRPL/BYPL for similar product and service, the performance feedback for that bidder by BRPL/BYPL shall only be considered irrespective of performance certificate issued by any third organization.
- (c) BRPL may ask for such other documents as it deems fit for substantiating/ justifying the submissions made by the bidder.

5. PRE-BID MEETING:

A pre-Bid meeting shall be organised physically or digitally (through web conferencing platform) at the time and date as specified in the tender documents in the presence of those bidders or their authorized representatives who may choose to be present.

The details of the proposed Webex Meeting (if applicable) are given below: -

Meeting Date : 06/01/2025

Meeting Time : 03:00 PM

Meeting Link :

<https://bsesbrpl.webex.com/bsesbrpl/j.php?MTID=me0339dabab9e99b01346aa3af3c347a8>

Monday, January 6, 2025 3:00 PM | 5 hours | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Meeting number: 2513 583 7998

Password: NIT1232 (6481232 when dialing from a video system)

All queries related to this tender must reach to C&M Department of BRPL at least three days before the date of the pre- bid meeting. All the bidder's queries shall be replied to in the pre-bid meeting. In case any change is required in the tender document the same shall be effected in the form of corrigendum to this tender. The bidder or their representatives who intend to bid and who have either purchased tender documents or will pay tender fees for downloaded documents are invited to attend the pre-bid meeting. Corrigendum, if any, to the tender document shall be hosted on the website subsequent to the pre-bid meeting. Bidders are requested to submit their offer strictly in line with this tender document& corrigendum if any.

6. BID SUBMISSION

- 6.1. The bidders are required to submit the bid in 2 (two) parts and in original& duplicate (total 2 copies) at the following address:

**Head of Department,
Contracts & Material Department,
BSES Rajdhani Power Limited,
1st Floor, "C" Block, BSES Bhawan,**

**Nehru Place,
New Delhi-110019.**

- 6.2. Technical bid documents along with commercial terms and conditions shall also be submitted in Pen Drive. No price bid shall be submitted in Pen Drive. The PEN Drive should be owned by Bidder. The bidder shall ensure that the Pen Drive is free from all viruses/malware. The pen drive once submitted shall not be returned.
- 6.3. This is a two part bid process. Bidders are to submit the bids in 2(two) parts. Both these parts should be furnished in separate sealed covers super scribing **NIT no. DUE DATE OF SUBMISSION, with particulars as PART-A Techno-Commercial Bid and Part-B PRICE BID** and these sealed envelopes should again be placed in another sealed envelope which should be super scribed with —“**Tender Notice No.& Due date of opening**“. The same shall be submitted before the due date & time specified.

6.3.1 PART A: TECHNO-COMMERCIAL BID, UNPRICED (Envelop-1):

The first sealed envelope shall contain an Unpriced Techno-commercial bid in paper form (hard copies) and envelope super-scribing **PART-A Techno-Commercial Bid**. The details to be submitted in techno-commercial bids are given below:

- a) General information about bidder
- b) Documentary evidence in support of all the qualifying criteria as per clause 4.0,
- c) EMD of requisite amount
- d) Non-refundable separate demand draft for Rs. 1180/- In case the forms are downloaded from the website
- e) Technical Literature if any.
- f) Details of experience of works of the same or similar nature. Copy of work orders and performance certificates.
- g) Power of attorney
- h) Acceptance to Commercial Terms and Conditions viz Delivery schedule/period, Payment terms, BG etc
- i) Any other relevant document to support bidder meeting QR

Techno-Commercial Bid should not contain any cost information whatsoever and shall be submitted within the due date. After techno-commercial evaluation, the list of techno-commercially qualified bidders will be posted immediately on the BSES website.

The bidder should submit complete tender document along with all corrigendum (if any) published against this NIT at our website, signed and stamped with bidder's seal as an acceptance of all the terms & conditions of the Tender.

6.3.2 PART B: PRICE BID (Envelop-2):

The second sealed envelope shall contain Price bids in paper form (hard copies and envelope super-scribing **PART-B Price Bid** on it. The details to be submitted in the Price bid are given below:

- (a) **PRICE BID** shall Comprise of Prices **strictly** in the Format enclosed in SECTION VII. Any change in price bid format, content may lead to rejection of the bid.
- (b) Price Bid will be opened after techno-commercial evaluation of all the bids and only of the qualified bidders.

6.3.3 FINANCIAL BID EVALUATION THROUGH REVERSE AUCTION

Reverse Auction (RA) shall be conducted for finalization of contract and the details of the price bid shall not be shared with bidders. The qualified bidders will participate in reverse auction through SAP-SRM tool. The RA process shall be governed by the terms and conditions enclosed as Annexure-III in this tender document. Training/details shall be provided to bidders before participation in auction. In case RA is not conducted /concluded for any reasons, a "final no regret" financial bid in a sealed envelope will be called for from all qualified bidders. Notwithstanding anything stated above, the Company reserves the right to assess bidders' capability to perform the contract, should the circumstances warrant such assessment in the overall interest of the Company. In this regard, the decision of the Company shall be final and binding on the bidders.

7. TIME SCHEDULE

The activities and their timelines are given hereunder which needs to be adhered by the bidders.

S. No.	Activity	Description	Due date
1	Submission of Technical & Commercial Queries, if any	All Queries related to NIT	03/01/2025
2	Pre-Bid Meeting	Discussion on pre-bid queries	06/01/2025
3	Submission of Techno-Commercial & Price Bid	Unpriced Techno-Commercial & Price Bid in separate sealed envelopes	10/01/2025
4	Opening of Techno-Commercial Bid	Opening of PART-A	10/01/2025
5	Opening of Price Bid	Opening of PART-B of only the techno-commercially qualified bidders (List of bidders will be published at our website)	To be informed separately
6	Reverse Auction	As per RA terms	Schedule will be intimated to eligible bidders through email from email id: BRPL.Eauction@relianceada.com

8. AWARD DECISION

- 8.1 Company intends to award the business on a lowest bid basis, so bidders are encouraged to submit the bid competitively. The decision to place order/LOI solely depends on Company on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that Company may deem relevant.
- 8.2 The Company reserves all the rights to award the contract to one or more bidders who meet the execution requirement or nullify the award decision without assigning any reason thereof.
- 8.3 In case the performance of any contractor is found unsatisfactory during the execution process, the award will be cancelled and BRPL reserves the right to award the work to another contractor(s) who will be found eligible/fit.
- 8.4 The abnormally higher or abnormally lower bids shall not be considered with respect to estimated cost. The criteria decided by BRPL on this shall be final and binding on the bidders.

8.5 The bidding firms are advised to quote their discount accordingly. BRPL reserves the right to reject the bids quoted with abnormally higher or abnormally lower individual activity rates. The criteria decided by BRPL on this shall be final and binding on the bidders and will not be open for discussion under any circumstances.

9 MARKET INTEGRITY

We have a fair and competitive marketplace. The rules for the bidders are outlined in the Terms & Conditions of the tender documents. Bidders must agree to these rules prior to participating in the tender. In addition to other remedies available, we reserve the right to exclude a bidder from participating in future markets due to the bidder's violation of any of the rules or obligations contained in the Terms & Conditions. Bidder(s) who violate the marketplace rules or engage in behaviour that disrupts the fair execution of the marketplace restricts a bidder from participation in future tenders of BRPL to a length of time as decided by BRPL, depending upon the seriousness of the violation. Examples of violations include, but are not limited to:

- Failure to honour prices submitted to the market place.
- Breach of the terms published in Request for Quotation/NIT
- Misrepresentation of facts, submitting false and fabricating documents

10 CONFIDENTIALITY

All information contained in this tender document is confidential and may not be disclosed, published or advertised in any manner without written authorization from BRPL. This includes all bidding information submitted.

All tender documents remain the property of BRPL and all bidders are required to return these documents to BRPL upon request.

Bidder(s) who do not honour these confidentiality provisions will be excluded from participating in future bidding events.

The bidder shall sign a Non-Disclosure Agreement (NDA) in the format attached in tender document and submit along with its bid.

11 CONTACT INFORMATION

Technical & Commercial clarification, if any, regarding this tender shall be sought in writing and sent by e-mail to the following e-mail IDs:

Address	Name/ Designation	E-mail Address / Phone Number
Technical		
Civil Dept, 1st Floor, B Block, BSES Rajdhani Power Ltd BSES Bhawan, Nehru Place, New Delhi – 110019.	Mr. Ajay Karan,	Ajay.karan@relianceada.com
	VP – Head Civil	011-49209021
	All technical queries shall also be marked copy to Commercial team as per the details below.	
Commercial		
C&M Dept, 1st Floor, C Block, BSES Rajdhani Power Ltd BSES Bhawan, Nehru Place, New Delhi – 110019.	Ms. Shilpa Suman	shilpa.suman@relianceada.com
	DGM-Contracts	011-49209878
	Mr. Amitava Nandi	Amitava.Nandi@relianceada.com
	AsVP – Head Contracts	011-4920 9619

SECTION-II : INSTRUCTIONS TO BIDDERS (ITB)

SECTION-II**INSTRUCTIONS TO BIDDERS (ITB)****1. GENERAL**

BSES RAJDHANI Power Ltd (BRPL), hereinafter referred to as the “Company” is desirous for awarding work of “Civil Retrofitting Works of Office Buildings & Grid Buildings in BRPL All the Bids shall be prepared and submitted in accordance with these instructions.

- 1.1 All the bids shall be prepared and submitted in accordance with these instructions.
- 1.2 Bidder shall bear all costs associated with the preparation and delivery of its Bid, and the Company will in no case shall be responsible or liable for these costs.
- 1.3 The Bid should be submitted by the Bidder in whose name the bid document has been issued and under no circumstances it shall be transferred /sold to the other party.
- 1.4 The Company reserves the right to request for any additional information/documents and also reserves the right to reject the proposal of any Bidder, if in the opinion of the Company, the data in support of RFQ requirement is incomplete.
- 1.5 The Bidder is expected to examine all instructions, forms, terms & conditions and specifications in the Bid Documents. Failure to furnish all information required in the Bid Documents or submission of a Bid not substantially responsive to the Bid Documents in every respect may result in rejection of the Bid. However, the Company's decision in regard to the responsiveness and rejection of bids shall be final and binding without any obligation, financial or otherwise, on the Company.
- 1.6 The company reserves the right to split the order among various successful bidders in any manner it chooses without assigning any reason whatsoever.

2. SCOPE OF WORK

Detailed specification/scope of work is provided in Section-V of this tender document.

3. DISCLAIMER

- 3.1. This NIT is not an agreement and further it is neither an offer nor an invitation by BRPL to bidders or any other person for award of contract. The purpose of this NIT is to provide bidders information that may be useful to them in the preparation and submission of their bids.
- 3.2. This Document includes statements, which reflect various assumptions, which may or may not be correct. Each Bidder should conduct its own estimation and analysis and should check the accuracy, reliability and completeness of the information in this Document and obtain independent advice from appropriate sources in their own interest.
- 3.3. Neither Company nor its employees will have any liability whatsoever to any Bidder or any other person under the law or contract, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage whatsoever which may arise from or be incurred or suffered in connection with anything contained in this Document, any matter deemed to form part of this Document, provision of Services and any other information supplied by or on behalf of Company or its employees, or otherwise arising in any way from the selection process for the Work.
- 3.4. Though adequate care has been taken while issuing the Tender document, the Bidder should satisfy itself that Documents are complete in all respects. Intimation of any discrepancy shall be given to this office immediately.

- 3.5. This Document and the information contained herein are Strictly Confidential and are for the use of only the person(s) to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient 's professional advisors).
- 3.6. It shall be deemed that by submitting a bid, a bidder agrees to release BRPL and its employees, agents and advisors irrevocably unconditionally fully and finally from any and all liability for any claims losses damages costs expenses or liabilities in anyway related to or arising from exercise of any rights and all performance of any obligations under this NIT and or in connection with the bid process to the fullest extent permitted by applicable law and waives any and all rights and all claims it may have in this respect whether actual or contingent whether present or in the future
- 3.7. BRPL and its employees and advisors also accept no liability of any nature whether resulting from negligence or otherwise arising from reliance of any bidder upon the contents of this NIT. BRPL may in its absolute discretion but without being under any obligation to do so, update amend or supplement the information assessment statement or assumptions contained in this NIT.
- 3.8. The issue of this tender document does not imply that BRPL is bound to qualify any bidder or to award the contract to any bidder. BRPL reserves the right to reject all or any of the bids without assigning any reasons whatsoever.

4. COST OF BIDDING

The Bidder shall bear all cost associated with the preparation, submission and processing of its Bid and the company will in no case be responsible or liable for the costs.

5. TENDER DOCUMENTS

- 5.1. The Scope of Work, Bidding Procedures and Contract Terms are described in the Bidding Documents. In addition to the covering letter accompanying Bidding Documents, the Bidding Documents include:

"Check List, Sections, Annexure & Formats as elaborated in CONTENT of this NIT."

- 5.2. The bidder is expected to examine the tender documents, including all Instructions, Forms, Terms and Specifications. Failure to furnish all information required by the tender documents or submission of a bid not substantially responsive to the tender documents in every respect may result in the rejection of the Bid.

6. AMENDMENT OF TENDER DOCUMENTS

- 6.1. At any time prior to the deadline for submission of Bids, the Company may for any reason(s), whether at its own initiative or in response to a clarification requested by a prospective Bidder, alter/amend/modify the tender documents by corrigendum /amendment.
- 6.2. The corrigendum / amendment shall be part of tender document, pursuant to Clause 5.1, and it will be notified
- (a) by way of uploading the corrigendum/amendment on BSES website (in case of public tender),
 - (b) in writing by e-mail to all the Bidders who have received the Bidding Documents by email. (in case of limited tender)

All such corrigendum & amendments will be binding on the bidders.

- 6.3. In order to provide prospective Bidders a reasonable time in which to take the Amendment into account in preparing their Bids, the Company may, at its discretion, extend the deadline for the submission of Bids.

7. PREPARATION OF BIDS & LANGUAGE

The Bid prepared by the Bidder, and all correspondence, documents etc. relating to the Bid exchanged by the Bidder and the Company shall be written in English Language. Any printed literature furnished by the Bidder may be written in another Language, provided that this literature is accompanied by English translation, in which case, for purposes of interpretation of the Bid. In case of ambiguity in the English translation, interpretation of the Company as regards to translation will be final.

8. DOCUMENTS COMPRISING THE BID

The Bid prepared and submitted by the Bidder shall comprise the following components:

- (a) Techno-Commercial Bid & Price Bid as elaborated in RFQ. (STRICTLY AS PER FORMAT)
- (b) All the Bids must be accompanied with the required EMD & Tender Fees against each tender.

9. BID FORM

The Bidder shall complete "Original" Bid Form and submit it along with details mentioned in Techno-Commercial bid (without filling price).

10. BID PRICES

Bidders shall quote for the entire Scope of work with prices for individual items. The bidder is required, at his expense, to obtain all the information he may require to enable him to submit his tender including necessary visits to the site to ascertain the local conditions, procurement of necessary materials, labour, etc., requirements of the local/government/public authorities in such matters.

11. BID CURRENCIES

Prices shall be quoted in Indian Rupees Only.

12. PERIOD OF VALIDITY OF BIDS

- 12.1. Bids shall remain valid & open for acceptance for a period of 180 days from the date of opening of the Bid.
- 12.2. Notwithstanding above, the Company may solicit the Bidder 's consent to an extension of the Period of Bid Validity and the bidder shall be liable to extend the same at the sole cost and consequences of the bidder and no claim from the company in this regard shall be maintainable.

13. ALTERNATIVE BIDS

Bidders shall submit Bids, which comply with the Tender Documents. Alternative Bids will not be considered. The attention of Bidders is drawn to the provisions regarding the rejection of Bids in the terms and conditions, which are not substantially responsive to the requirements of the Tender Documents.

14. FORMAT AND SIGNING OF BID

- 14.1. The original Bid Form and accompanying documents (as specified in Clause 9.0), clearly marked "Original Bid", must be received by the Company at the date, time and place specified in Section-I, RFQ.

- 14.2. The original copy of the Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to sign on behalf of the Bidder. Such authorization shall be indicated by written Power-of-Attorney accompanying the Bid. All pages of the bid shall be signed by the signatory accompanied with seal of the Agency.
- 14.3. The Bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be signed by the person or persons signing the Bid.

15. SEALING AND MARKING OF BIDS

- 15.1. Bid submission: One original (hard copies) and one duplicate (total two copies) of all the Bid Documents shall be sealed and submitted to the Company before the closing time for submission of the bid.
- 15.2. The Bidder has the option of sending the Bids in person. Bids submitted by Email/Telex/Telegram /Fax will be rejected. No request from any Bidder to the Company to collect the proposals from Courier/Airlines/Cargo Agents etc shall be entertained by the Company.

16. DEADLINE FOR SUBMISSION OF BIDS

- 16.1. The Original bid must be timely received by the company at the address specified in Section –I, RFQ.
- 16.2. The Company may, at its discretion extend the deadline for the submission of bids by amending the Tender Documents in accordance with Clause 6.0, in which case all rights and obligations of the Company and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

17. ONE BID PER BIDDER

Each Bidder shall submit only one Bid by itself. A Bidder who submits or participates in more than one Bid will cause all those Bids to be rejected.

18. LATE BIDS

Any Bid received by the Company after the deadline for submission of Bids prescribed by the Company, pursuant to Clause 16.0, will be declared "Late" and rejected and returned unopened to the Bidder.

19. MODIFICATIONS AND WITHDRAWAL OF BIDS

The Bidder is not allowed to modify or withdraw its Bid after the due date of bid submission.

20. EVALUATION OF BID

- 20.1. The bids will be evaluated techno-commercially on compliance to tender terms and Conditions.
- 20.2. BRPL reserves the right to ask the bidders to provide any additional information including breakup of the prices as quoted by them against line items.

21. CLARIFICATION OF BIDS

To assist in the examination, evaluation and comparison of Bids, the Company may, at its discretion, ask the Bidder for a clarification of its Bid. All responses to requests for clarification shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted

22. PRELIMINARY EXAMINATION OF BIDS / RESPONSIVENESS

- 22.1. Company will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Bids are generally in order.
- 22.2. Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price per item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price per item will be corrected. If there is a discrepancy between the Total Amount and the sum of the total price per item, the sum of the total price per item shall prevail and the Total Amount will be corrected.
- 22.3. Company will determine the substantial responsiveness of each Bid to the Tender Documents including execution capability and acceptable quality of the services offered. A substantially responsive Bid is one, which conforms to all the terms and conditions of the Tender Documents without deviation.
- 22.4. Bid determined as not substantially responsive will be rejected by the Company and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

23. EVALUATION AND COMPARISON OF BIDS

- 23.1. The evaluation of Bids shall be done based on the delivered cost competitiveness basis.
- 23.2. The evaluation of the Bids shall be a stage-wise procedure. The following stages are identified for evaluation purposes: In the first stage, the Bids would be subjected to a responsiveness check later on the Techno-Commercial Proposals and the Conditionality of the Bidders would be evaluated.

Subsequently, the Financial Proposals along with Supplementary Financial Proposals, if any, of Bidders with Techno-commercially Acceptable Bids shall be considered for final evaluation.

- 23.3. The Company's evaluation of a Bid will take into account, in addition to the Bid price, the following factors, in the manner and to the extent indicated in this Clause:
 - (a) Contract completion schedule
 - (b) Conformance to Qualifying Criteria
 - (c) Deviations from Tender Documents
 - (d) Conformity and compliance to the conditions/details provided in pre-bid meeting
 - (e) Change in the quantity from mentioned in the tender
- 23.4. The cost of all quantifiable deviations and omissions from the specification, terms and conditions specified in Tender Documents shall be evaluated.
- 23.5. The Company will make its own assessment of the cost of any deviation for the purpose of ensuring fair comparison of Bids.
- 23.6. Adjustments in price, if any, based on the above procedures, shall be made for the purposes of comparative evaluation only to arrive at an "Evaluated Bid Price". Bid Prices quoted by Bidders shall remain unaltered.

24. CONTACTING THE COMPANY

- 24.1. From the time of Bid opening to the time of contract award, if any Bidder wishes to contact the Company on any matter related to the Bid, it should do so in writing.
- 24.2. Any effort by a Bidder to influence the Company and/or in the Company's decisions in respect of Bid evaluation, bid comparison or Contract Award, will result in the rejection of the Bidder's Bid.

25. COMPANY'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

The Company reserves the right to accept or reject any Bid and to annul the Bidding process and reject all Bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Company's action.

26. AWARD OF CONTRACT

The Company will award the Contract to the successful Bidder whose Bid has been determined to be the lowest-evaluated responsive Bid, provided the Bidder has been determined to be qualified to satisfactorily perform the Contract. Company reserves the right to award order to other bidders in the tender, provided it is required for need of the work. The full or part of the contract may be awarded to other bidder(s) on differential rates.

27. THE COMPANY'S RIGHT TO VARY QUANTITIES

The Company reserves the right to vary the quantity i.e. increase or decrease the Numbers/ quantities without any change in terms and conditions before the award of Contract. Further BRPL may increase or reduce the area/ scale of operations / increase or decrease the Numbers/ quantities after the start of work execution under the contract and the size of contract / contract value shall be adjusted accordingly. In case of decrease in base resources decided mutually then contract value will be adjusted accordingly.

28. LETTER OF INTENT/ NOTIFICATION OF AWARD

The letter of intent/ Notification of Award shall be issued to the successful Bidder whose bids have been considered successful for award of work/order.

The successful Bidder shall be required to furnish acceptance of LOI / notification of award within 7 days of issue of the letter of intent /Notification of Award by Company.

29. CORRUPT OR FRAUDULENT PRACTICES

- 29.1. The Company requires that the Bidders observe the highest standard of ethics during the entire period of work execution under the Contract. In pursuance of this policy, the Company:
 - (a) Defines, for the purposes of this provision, the terms set forth below as follows:

"Corrupt practice" means behaviour on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves and/or those close to them, or induce others to do so, by misusing the position in which they are placed, and it includes the offering, giving, receiving, or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; and "Fraudulent practice" means a misrepresentation of facts in order to influence a award process or the execution of a contract to the detriment of the Company, and includes collusive practice among Bidders (prior to or

after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive the Company of the benefits of free and open competition.

- (b) Will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (c) Will declare a firm ineligible either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a contract.

29.2. Furthermore, It shall be the responsibility of the Bidders to read and understand & aware of the provision stated in the Terms and Conditions of tender before participating in the tender.

30. PROCESS TO BE CONFIDENTIAL

Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process. Any effort by a Bidder to influence the Company's processing of Bids or award decisions may result in the rejection of the Bidder's Bid.

SECTION – III : SPECIAL CONDITIONS OF CONTRACT (SCC)

SECTION – III**SPECIAL CONDITIONS OF CONTRACT (SCC):**

These Special Conditions of Contract (SCC) shall be read in conjunction with the Terms and Conditions of the Contract, General Conditions of Contract (GCC), Scope of Work and other documents forming part of the contract wherever the context so requires. Notwithstanding the subdivision of documents into separate sections and volumes, every part of each such document shall be deemed to be supplementary to and complementary of every other part.

1. DEFINITIONS**ENGINEER IN-CHARGE (EIC) / OFFICER-IN-CHARGE (OIC)**

The term "Engineer-in-charge (EIC)/Officer-in-Charge (OIC)" shall mean the Company's nominated representative for the purpose of supervision of the execution of the Contract. The same shall be mentioned in the Contract.

2. SCOPE OF WORK

Detailed specification/scope of work is provided in Section-V of this tender document.

3. EFFECTIVE DATE, TIME AND VALIDITY

- 3.1. The order/agreement shall become effective for all purposes from the date to be specified under the agreement and continue to remain in force for the period of 12 months.
- 3.2. You are required to mobilize your manpower within 7 days of receipt of PO & WO and commence the activity as per instructions of Engineer In-charge. The entire work should be completed within 12 months from the date of issue of order.
- 3.3. The detailed schedule and milestone completion dates would be as per the contract schedules given from time to time by Engineer In-charge at site. You shall submit a weekly progress report to Engineer In charge.

4. ORDER VALUE

Value of the Contract will be contracted out on the basis of finalized rates.

- 4.1) The prices/rates quoted for each item/work in the BOQ shall be inclusive of all direct and indirect costs, insurances, statutory charges, statutory fees, royalties, taxes on quarried items, duties, only GST shall be shown separately. i.e. incidental charges, cost of complying to other local authorities etc., and any other costs that may be involved in completing the works as required, fulfillment of all obligations under the Contract and to the satisfaction of the Company.
- 4.2) The rates quoted for each item/work in the BOQ by the Contractor shall remain firm until the successful completion of the Contract as certified by the Engineer In Charge including any extension (s) of time that may have been granted to the contractor under the scope of this Contract and shall not be subject to escalation on any account. The rates quoted for each item/work in the BOQ shall be deemed to include and cover all cost, expenses and liabilities to every description and all risk of every kind to be taken in executing, completing and handing over the work to the satisfaction of the Company.
- 4.3) The Contractor shall on his own and at his own expense obtain all necessary permits and permissions to execute the job, including required registrations, agent's etc. to perform its obligation under this Contract and shall indemnify the Company in all related matters.
- 4.4) Application of discount to variations of additional work.

The discount percentage quoted by bidders on the tendered BOQ estimate shall be applicable to following post-award variation:-

- a) Extra items executed as post-award variations
- b) Deviations from the original Scope
- c) Substitute Items

This condition applies to all extra or modified work executed under this tender/contract.

5. RATES & ESCALATION

5.1 The Rates/Agreement Consideration are firm and fixed for the Agreement period. The Rates shall not be subject to escalation or increases on any account/reason(s) whatsoever.

5.2 The rates set out above are also inclusive of reasonable incidental expenses incurred by Contractor on the following:

- I. Cost of Labour, tackles and supervision.
- II. All taxes and levies, including but not limited to GST, etc as applicable during the currency of the contract.
- III. Mobile and Conveyance of the Contractor's employees up to place of work and/ or from one place to another place for carrying out the job.
- IV. Uniform with all accessories for the team as per the sample decided.
- V. Rates shall be valid for all heights and locations.
- VI. All other expenses incidental to the job.
- VII. The Company shall pay only once against the service provided irrespective of the fact that the Contractor might have to take more than one attempts for providing the service.
- VIII. Compliance with all labour laws including Minimum Wage Act, Bonus Act, The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) ACT, 2013 etc in respect of employees engaged by the Contractor for the discharge of services as per this agreement.

6. CONTRACT CUM PERFORMANCE SECURITY BANK GUARANTEE (CPBG)

- a. Contractor shall furnish the CPBG in the prescribed format within 15 days from the date of issue of LOI / Work Order for due performance of the provisions of Work Order/Agreement.
- b. The Contract Performance Bank Guarantee shall be of five percent (5%) of total contract value and shall be valid till completion of contract, plus DLP plus three (3) months towards claim period or latest RBI guidelines (if any) whichever is higher towards claim period, if not otherwise specified in agreement. This amount shall remain fixed during the currency of the agreement.
- c. The CPBG shall be issued from any nationalized / scheduled bank as per company format.
- d. The Company shall reserve the right to invoke the CPBG unconditionally and without recourse to the Contractor, if there is failure to perform any part of the Agreement for whatsoever reason. This clause is pertaining to performance of contractual obligations and the decision of Company shall be final in this regard.
- e. In the event of any claim or any other outstanding Contractual obligations remaining unfulfilled, the Contractor shall be required to extend the CPBG till the settlement of all claims and completion of all Contractual obligations at the cost and consequences of contractor.
- f. In the event, in Company's sole judgement, the Contractor has fulfilled all its obligations under this Agreement, The CPBG shall be released without any interest after the expiry of CPBG and its claim period as mentioned above.

- g. If the CPBG is or becomes invalid for any reason (other than its expiry), the Contractor shall immediately notify the Company/BRPL and provide within five (5) days a replacement CPBG in the form set out in the Contract/Agreement.
- h. Not later than sixty (60) Business Days before the expiry of the CPBG, the Contractor shall, upon request of the Company/BRPL obtain extension of the validity of such CPBG for the period stated in such request by the Company/BRPL and provide a copy of such renewed CPBG.
- i. It is Contractor's responsibility to incur charges / cost to maintain and for extension of CPBG without claiming reimbursement from the company/BRPL.

7. PAYMENT TERMS

Payment shall be made to you as under:

- 7.1 80% payment against completion of work on pro-rata basis within 30 days on submission of bills duly certified by Engineer-In-Charge. For Certification of work completion our EIC shall be Head (Civil) – BRPL or his nominated representative. Running bills can be processed for maximum 80% amount of the order value.
- 7.2 However, 10% payment would be retained till quality control clearance certificate is submitted.
- 7.3 Balance 10% of payment would be retained for performance guarantee against defect liability which would be released 12 months after the completion of the project or on submission of equivalent performance bank guarantee.
- 7.4 After verification by the EIC of the running bills complete along with measurement sheets and required documents submitted by the Contractor, an interim certificate for 80% payment shall be issued stating the amount due to the Contractor taking into account:
 - a) All the works executed under the instructions, acceptance and certified by the EIC and based on the rates and terms of work order/ Contract.
 - b) Payments already made or certified.
 - c) Recovery of materials, water, electricity etc. supplied by Company.
 - d) Recovery of advance payments if any, retention money and any other dues to be recovered from the Contractor under the Contract.

The contractor shall submit the invoice along with the checklist duly filled in Invoice shall be processed and payment shall be made to contractor on certification of Engineer-In Charge for compliance to check point's given in check list.

- 7.5 All monitoring, measurement, billing & payment processes shall be on IT enabled platform of BRPL as per Company's guidelines issued from time to time and bidders to ensure adherence.
- 7.6 The Contractor shall submit the final bill along with duly checked final measurements and completion certificate towards the successful completion of the Contract as certified by the EIC.
- 7.7 Contractor shall upload bills along with all supporting documents in online BTS (Bill Tracking Systems) software or any other IT enabled platform of BRPL as per Company's guidelines issued from time to time for certification / approval purpose and bidders to ensure adherence. Further the contractor shall also submit original bill (hard copy) along with all supporting documents at Vendor Support Cell of BRPL. The bills shall be made in favor of BSES Rajdhani Power Ltd, BSES Bhawan, Nehru Place, New Delhi - 110019.
- 7.8 Company shall make payments, without any interest/charges and after deduction of taxes, penalties as applicable, against the bills within 30 days from the date of receipt of the bills, duly verified and certified by Engineer-in-Charge.
- 7.9 The bill shall consist of the prescribed documents on standard stationary designed by the Company. Contractor shall collect the details of such documents and formats from the Company.

- 7.10 Contractor shall, at no point of time, claim or have the right to claim any additional fees, expenses or charges of any nature whatsoever, other than the Rates set out in the contract.
- 7.11 The company may modify the procedure for the submission of bills. The Contractor shall be obliged to submit its bill as per the procedure stipulated by the company from time to time.
- 7.12 Payment of final bill shall not be considered conclusive evidence as to the sufficiency of any work or materials, to which it relates, nor shall it relieve as to the sufficiency of work or materials which it related, nor shall it relieve the Contractor from his liabilities arising from any defects, which become apparent during the Defects Liability Period.
- 7.13 No claim including retention except BG shall be processed after 1 year of date of completion mentioned in the work order (Herein after referred as "claim period") and vendor shall submit the approved claim along with supporting documents required to release the payments within the claim period. For any exceptional cases which is beyond the control of contractor shall be dealt separately by committee comprising of HOD of respective dept & CFO and put up their recommendation for CEO approval.
- 7.14 Contractor shall ensure that all wages related payment are made to the employees in ECS / NEFT / RTGS mode only. (No payment by cash / cheque is allowed).

8. PENALTY

- 8.1 Penalty related to HR issues & ID Cards shall be applicable as defined in GCC.
- 8.2 Penalty for noncompliance of statutory regulations shall be applicable as defined in GCC.
- 8.3 Penalty for misconduct/failure in performance of task under the agreement shall be applicable as defined in GCC.
- 8.4 Penalty for violation of safety & quality norms shall be applicable as defined in Annexure IV, EHS Conditions of the Contract.
- 8.5 Total aggregated Liquidated Damages and Penalty against various clauses of the contract shall be limited to a maximum of ten (10)% of the Contract Value.

9. DERC GUIDELINES & REGULATIONS

The bidder shall make himself fully aware & familiarise with prevailing DERC guidelines / regulations.

10. INSURANCE POLICIES

The Contractor at its own cost shall also arrange, secure and maintain the following insurance covers:

10.1 WORKMEN COMPENSATION:

The Contractor shall take at his own cost insurance policy under the Workman Compensation Act to cover such workers who are not covered under ESI and PF by the CONTRACTOR however engaged to undertake the jobs covered under this order and a copy of this insurance policy will be given to Company for reference and records. This insurance policy shall be kept valid at all times. In case there are no worker involve other than those who are covered under ESI and PF by the CONTRACTOR, the CONTRACTOR shall certify for the same.

The CONTRACTOR shall keep the COMPANY indemnified at all times, against all claims of compensation under the provisions of Workmen Compensation Act 1923 as amended from time to time or any compensation payable under any other law for the time being involving workmen engaged by the CONTRACTOR in carrying out the job involved and against costs and expenses, if any, incurred by the COMPANY in connection therewith and without prejudice to make any recovery.

The COMPANY shall be entitled to deduct from any money due to or to become due to the CONTRACTOR, moneys paid or payable by way of compensation as aforesaid or cost or expenses in connection with any claims thereto and the CONTRACTOR shall abide by the decision of the COMPANY as to the sum payable by the CONTRACTOR under the provisions of this clause.

10.2 THIRD PARTY INSURANCE:

Before commencing the execution of the work the CONTRACTOR shall take third party insurance policy at his own cost to insure against any damage or loss or injury which may occur to any property or to any person or any employee or representative of any outside Agency/ the COMPANY engaged or not engaged for the work of the COMPANY, by or arising out of the execution of the work or temporary work or in carrying out of this Agreement. For third party insurance policies, the contractor shall be responsible for settlement of claims with the underwriters without any liability on the purchaser / owner and will arrange replacements / rectification expeditiously without a waiting settlement by insurance claim at contractor's own cost.

10.3 GROUP PERSONAL ACCIDENTAL INSURANCE POLICY:

Before commencing the execution of the work, the CONTRACTOR shall take accidental insurance policy for the staff engaged by him for this work to insure against any loss of life which may occur during the contract for the work of the COMPANY. The policy shall have coverage of Rs. 10 Lacs (Table C- Death + Permanent total Disability + Partial Permanent disability due to external accidents). The premium amount for such policy shall be borne by the contractor. The contractor shall furnish copy of policy when demanded by BRPL.

The Contractor shall be responsible for on the spot same day claim settlement with the victim's legal heirs without waiting for settlement by insurance claim without any liability on BRPL.

The premium amount for both the above policies shall be borne by the Contractor. The Contractor shall furnish copy of policy within 15 days of start of work under the contract.

10.4 For all the insurance policies (whether taken by the Company or Contractor), the Contractor shall be responsible for settlement of claims with the underwriters without any liability on the company and will arrange replacements / rectification expeditiously without a waiting settlement of insurance claim, at contractor's own cost and this shall not entitle the Contractor for any extension of time.

11. WARRANTY / DEFECT LIABILITY PERIOD

The Contractor shall be liable to rectify all defects in the materials or works done by the Contractor under this Contract, or from any act or omission of the contractors for a period of

Twelve (12) months from date of final work completion certification by the Engineer in-charge.

If any defect noticed and system cannot be used by reason of any defect, the defect liability period shall be extended by the period equal to the period during which the system is not in operation.

In respect of any warranty work performed by the Contractor, the period during which a claim may be made for such warranty work shall be extended by an additional period of twelve (12) months from the completion of such portion of warranty work.

12. QUALITY :

MATERIALS & WORKMANSHIP:

12.1 Quality Assurance Programme :

The Contractor before the start of work shall submit for approval a quality assurance program to the EIC indicating measures that he proposes to implement to ensure that the quality of work shall be in accordance with requirements, specifications laid down in the Contract. The Contractor shall strictly adhere to this program and any failure attributable to the Contractor shall attract the penal provisions determined by the EIC.

12.2 Quality of materials and workmanship and tests:

12.2.1 TEST CERTIFICATE & QUALITY ASSURANCE:

The Contractor shall procure all equipment from genuine sources as approved by the Company & as per Company specifications.

(a) For Detailed specifications of construction materials, petty electrical items contractor shall follow Appendix-II attached with this section or the applicable IS codes/CPWD specifications.

(b) Contractor shall submit Laboratory testing report for the applicable tests as per the instructions of EIC/Quality Dept.

All testing should be done through following labs only:

SOUTH Circle

1. NSIZ Material Testing Services, Okhla

2. MSME Testing Centres, Okhla

WEST Circle

1. RK Inspection & Testing Services (Mayapuri Industrial Area)

2. Advance Inspection & Testing Lab (Mayapuri Industrial Area)

Sampling to be done in presence of QA representative/EIC.

The cost for testing shall be borne by the contractor and no additional payment shall be made by BRPL in this regard.

(c) Contractor shall submit duly approved Quality Check sheets along with final bill and the same shall be integral part of final Quality Clearance. QA Check sheets format attached with this tender document as Appendix-III attached with this section.

12.2.2) All materials and workmanship shall be of the respective kinds described in the Contract and in accordance with the Engineer-in-Charge's instructions and shall be subjected from time to time to such tests as the Engineer-in-Charge may direct at the place of manufacture or fabrication or on the site or at such other places as may be specified in the Contract, or at all or any of such places. The Contractor shall provide at no additional cost to the Company such assistance, instruments, machines, labour and materials as are normally required for examining, measuring and testing any work and the

quality, weight or quantity of any material used and shall supply samples of materials before incorporation in the works for testing as may be selected and required by the EIC.

12.3 Cost of samples and tests:

All samples shall be supplied to Company if required by the Contractor at his own cost. The Contractor shall take approval of the EIC prior to start the work for all samples of materials including mix design of concrete to be utilized for the works to be executed. The mix design of concrete, testing of reinforcement steel and structural steel shall be carried out by an external agency approved by the Company. The cost of all such tests carried out by the external agencies or consultants shall be borne by the Contractor at his own cost and are deemed to be included in the unit rates quoted in the BOQ.

12.4 Sampling and Testing Concrete on Site

The Contractor can also have cubes tested in an approved laboratory in lieu of a testing machine at site but at his own cost and with the prior written consent of the Company.

12.5 Inspection of operations:

The Engineer-in-Charge/QC department or any person authorized by them shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the Contractor shall afford every facility for and every assistance in or in obtaining the right to such access.

12.6 Examination of work before covering up:

No work shall be covered up or put out of view without the approval of the EIC or his representative and the Contractor shall afford full opportunity to the EIC or his representative to examine and measure any work which is about to be covered up or put out of view and to examine foundations before permanent work is placed thereon. The Contractor shall give due notice to the EIC or his representative whenever any such work or foundations is or are ready or about to be ready for examination and the EIC or his representative shall, without unreasonable delay, unless he considers it unnecessary, attend for the purpose of the examining such foundations.

13. WORK COMPLETION CERTIFICATION, HANDING OVER AND MATERIAL RECONCILIATION:

The work carried out by the Contractor under this order has to be certified by Engineer In-charge for satisfactory completion of work allotted to the contractor with respect to specifications / Field Quality Procedures as per applicable standards. In case of modification/correction to be carried out, contractor shall carry out the said modifications/correction without additional cost. The Contractor shall remain in close contact with Engineer In-Charge at site to report the general findings of the fieldwork during the initial as well as later stage of the work at site. The contractor shall be solely responsible for any shortage or damage of materials issued to them handling of and / or in storage and erection at site and cost of the same will be recovered from the contractor as certified by Engineer In-Charge. Contractor must submit a material reconciliation statement in the approval format with Bill raised by him. The contractor shall maintain an accurate and exhaustive record detailing out the list of all items received by him for the purpose of erection and keep such record open for the inspection of the company.

14. COMPLETION PERIOD:

You are required to mobilize your manpower within 7 days of receipt of WO and commence the activity as per instructions of Engineer In-charge. The entire work should be completed within 12 months from the date of issue of order.

The detailed schedule and milestone completion dates would be as per the contract schedules given from time to time by Engineer In-charge at site. You shall submit a weekly progress report to Engineer In charge.

15. GUIDELINES REGARDING INSPECTION & MAINTENANCE OF PITS /DUG AREA WHILE DOING WORK AT SITE IN BRPL AREA

The contractor shall ensure strict compliance of the following directions:

- a) The sites of all manholes, pits, holes, tanks or any other opening in the ground of any kinds shall be regularly inspected and maintained.
- b) Schedule and protocols of inspections and maintenance shall be drawn up and notified to BRPL.
- c) These sites shall be cordoned off (Close Barricades) to render them inaccessible to the public.
- d) The existence of these sites shall be clearly & visibly marked by the display of signboards/signages.
- e) If they are required to be covered, it shall be ensured that the covers are in place.
- f) If required, as per law, prior permission from authorities shall be secured before the commencement of work. The Execution contractor shall solely be responsible for all the preventive and protective environmental steps as per guidelines. Any violations from the above guidelines have been viewed very seriously by the authorities. Contractor is liable for the penalties / other action by the authorities, the contractor shall indemnify BRPL its employees/directors/associates from all liabilities/penalties/claims including litigation expenses on this account.

16. MOBILISATION:

The Contractor shall have to mobilize their Plants & Equipments, Tools & Tackles, Work Labour Force, project team including Engineering Staff and materials required for execution of work within seven days (7) of receipt of LOI or Work Order whichever is earlier.

17. DAMAGE OF PRIVATE PROPERTIES / LIFE:

The Contractor shall be responsible for all risk to the works to be performed under its obligation under the Contract and for trespassers, and shall make good at his own expenses all losses and damages whether to the works, themselves, or to any other property of the company or the lives, persons or property of other forms, whatsoever cause, in connection with the works, although all reasonable and proper precautions may have been taken by the contractor, and in case Company is called upon to make good any such costs, loss or damages or to pay compensation to any person(s) sustaining damages by reason of any act, or any negligence or omission on the part of the Contractor, the amount of any costs or charges (including costs and charges towards legal proceedings) which the Company may incur in reference thereto, shall be charged to the Contractor. The Contractor shall reimburse such costs immediately to the Company

18. APPROACHES:

The Contractor shall have to make his own arrangements for all approaches to the site required for transporting his men and material to site of work. The Company shall entertain no payment or claims on account of "Making of Approaches".

19. SITE OFFICE AND SITE FACILITIES:

The Contractor shall also make his own arrangement for the accommodation/conveyance requirements for its staff. He shall be provided at site the adequate open space for construction of site store for storing the materials, tools, tackles etc. All the Contractor's storage will be within the site premises in a manner affording convenient access for identification and inspection at all times. The storage of arrangements shall be subject to IS: 4082. All the incoming and outgoing materials, equipment, tools, tackles and any other items related to said work shall be entered into the register kept for this purpose and shall be in the safe custody of Contractor, however company does not hold any responsibility for any loss or damage caused to Contractor's material etc.

- 1 The Contractor shall strictly control the labour so that the site is not polluted, made dirty or littered with debris, wastes or the likes.
- 2 Any person, labour found creating mess or litter or pollution shall be removed from the site immediately at the Contractors cost and shall also be subject to penalty at the discretion of the EIC.
- 3 Water & Power: Water and Electricity Power shall be arranged by the Contractor at his own. It shall be the responsibility of the Contractor to make arrangements at his own expense for supply of water for construction and other uses. The Contractor can install pumps, construct temporary storage tanks and distribute the water to various points in works site as required. The Contractor at his own expense shall make arrangement for operating and maintaining pumps & distribution lines, connections, which are installed by him for water arrangement.
- 4 Watching & Lighting: The Contractor shall in connection with the works provide and maintain at his own cost all lights, guards, fencing and watching when and where necessary for the protection of works, or for the safety and convenience of the public or others. The care, housekeeping and safety of the materials and works within the works site shall be sole responsibility of the Contractor.

20. EXTENSION OF TIME LIMIT & TIME OVER RUN:

If delay is not attributable to the Contractor, the extension of time may be considered at the discretion of the Company without prejudice to the right of the Company for recovery of liquidated damages. This is also subject to the Contractor having taken sufficient precautions to mitigate the delay and submitted to the Company a full-detailed particular of any extension of time to which he may consider himself entitled within 10 days after such work has been commenced or such circumstances have arisen. The extension of time may be granted but without any financial increment in the contract price to the Company.

21. SITE REPRESENTATIVE, SITE SUPERVISION AND ADVANCE INTIMATION:

- 21.1 The Contractor shall have to appoint and authorize a Site In Charge/ Project Manager (PM) along with its project team, who shall be available always at site till the completion of the contract as certified by the Company's Engineer In Charge (EIC).
- 21.2 The Contractor shall be responsible for supervising the works by employing competent and experienced engineers and support teams to inspect the work and check the quality of work to ensure that the work is carried out in accordance with the drawings, specifications and instructions of the EIC. Such inspection and supervision shall not relieve the Contractor from any of his obligations towards

use of material, workmanship, sequence of working and completion of project as per the stipulated period.

- 21.3 On receipt of the LOI or Work Order whichever is earlier, the Contractor shall furnish to the Company, for approval, the proposed site setup with list of Engineers, Supervisors and other staff to be deployed by him with their dates of joining.
- 21.4 The Contractor's Project Manager shall obtain the written approval and instructions from the EIC prior to commencement of any works at site. The PM shall give written advance intimation to EIC for approval of all activities including deployment of resources, procurement of materials, concrete pours etc.

22.AWARD / SUBLETTING OF CONTRACT:

The Company reserves the right to reduce/ award consolidated order or separate orders for one or more parts against above work.

The Contractor will not be permitted to sublet his job in whole or Part.

23.SITE LOCATION:

The Contractor must see the site of the work, surrounding locality, local traffic rules, site approaches etc. carefully. No claim of any sort shall be entertained on account of any site conditions. If any approach from main road is required or existing approach is to be improved and maintained, for cartage of materials by the contractor, the same shall be provided, improved and maintained by him at his own cost.

24.SAFETY REGULATIONS:

- 24.1 The Contractor shall ensure adequate safety precautions at site as required under the law of the land and shall be entirely responsible for the complete safety of their workmen as well as other workers at site and premises.
- 24.2 The Contractor shall indemnify the Company from any consequence arising due to contractor's failure in respect to safety compliance.
- 24.3 First Aid facilities at easily accessible place shall be provided by the Contractor at his own cost as per provisions of Labour act or as advised by the Company wherever works are carried out.
- 24.4 All critical injuries shall be reported promptly to the Company. The report shall cover type, nature, cause, physician's report and actions for prevention of those types again.
- 24.5 To ensure effective enforcement of the rules and regulations relating to safety precautions, arrangements made by the Contractor shall be open to inspection by the Company.
- 24.6 The cost so incurred by the Contractor in providing for safety standards and requirements as above shall be deemed to be included in the rates quoted for various items under the scope of Contract and no extra amounts shall be payable to the contractor on this account.
- 24.7 The Contractor shall furnish to the Company within seven days from issue of LOI or Work Order whichever is earlier, for approval of Company, the proposed safety programme on how it intends to implement the safety procedures and precautions to ensure that the site is accident free.

25. CO-ORDINATION WITH OTHER AGENCIES:

The Contractor shall execute the work in strict consultation with the Company and in co-ordination with other agencies appointed by the Company who will also simultaneously execute the components of work allotted to them.

The Contractor at his own cost shall also extend their site facilities, plant and equipments on written request of the Company/ EIC for use by other contractors appointed by the Company.

26.MAINTENANCE OF WORK:

The Contractor shall maintain in perfect condition all works executed till the completion of the entire work allotted to him. Where phased handing-over of completed portion of the work is required, the provisions mentioned herein will apply to each phase.

27. TESTING OF MATERIALS:

All materials received at site shall be accompanied by the Test certificate of the manufacturer. The Engineer-In-Charge reserves the right to instruct any material to be further tested in an approved laboratory for which the Contractor shall make no additional claims. Where ever test requirements are not specified in the specifications, relevant IS code of practice shall govern.

28. MEASUREMENT OF WORK:

Unless specifically mentioned elsewhere, the work shall be measured for payment as per the provisions of IS 1200.

29. GENERAL CONDITIONS:

- 29.1 No idle labour charges will be admissible in the event of any suspension of work by the Company or stoppage caused in the work due to any other reason resulting in contractors' labour or equipments being rendered idle at any time during the duration of contract.
- 29.2 In the event of any ambiguity, the work order shall supersede LOI & all other correspondence and conditions of contract if furnished earlier.
- 29.3 If the Contractor needs to carry out any work or rework due to change in drawings or structural consultants instructions, the Contractor shall take the prior permission of the Company/ EIC before commencing such works. The Contractors quoted price shall include such rework or incidentals due to quantity variation, or methodology to carry out the works, wherever required and shall not be entitled for any extra payment or extension of time.
- 29.4 The Company reserves the right to claim and recover from the security deposit the damages/ losses incurred due to non-compliance to work, delay in the progress of work by the Contractor as agreed upon. The decision of the Company in this regard shall be final and binding.
- 29.5 The Contractor agrees to abide by other terms and conditions stipulated by the Company from time to time in addition to the above for the proper and satisfactory performance of their obligations under this Contract.

30. QUANTITIES IN THE BOQ:

Company reserves the right of deletion of any item in full or in part or to reduce, increase or to modify the Scope of Work. The rates quoted by the Contractor shall remain firm even if there are any variations in the quantities mentioned in the Bill of Quantities, or due to any idling of resources due to non availability of fronts, details, etc.

31. VARIATIONS AND EXTRA ITEMS:

- 31.1) The Contractor shall carry out and complete the works in every respect in accordance with this Contract and in accordance with the directions and to the satisfaction of the Engineer in charge.
- 31.2) The Engineer In Charge may, at his discretion, from time to time, issue further drawings and/ or written instructions, details, directions and explanations which are herein after referred to as "EIC's Instructions" in regard to:
 - a) The variation or modification of the design, quality, specification or quantity of works or the omission or substitution of any work.
 - b) The timing or sequencing of work.
 - c) Any discrepancy between the drawing and / or the Bill of Quantities and / or Specifications.
 - d) The removal from the site of any materials/ equipment/ resources brought thereon by the Contractor and the substitution of the same thereof.
 - e) The Execution of additional works of any kind necessary of the completion of the work.
 - f) The removal and /or re-execution of any works executed by the Contractor.
 - g) The substitution from the site of the works of any person employed there upon.
 - h) The amending and making good of any defects under clause "Defects Liability"

- i) The opening up for inspection of any work covered up.
 - j) Changes in lines, levels, positions and dimensions of any part of the Work.
- 31.3) The Contractor shall forthwith comply with and duly execute any work comprised in such EIC's instructions provided always that verbal instructions, directions and explanations given to the Contractor or his supervisor upon the works by the Engineer In Charge shall if involving a variation be confirmed in writing by the Contractor within seven days and the Engineer in charge's written approval is obtained.
- 31.4) If compliance with the Engineer In Charge's Instructions as aforesaid involves work beyond that contemplated by the Contract, then unless the same were issued owing to some breach of this Contract by the Contractor, the EIC shall pay to the Contractor the cost of the said work as an extra to be valued and as hereinafter provided.
- 31.5) No such variation shall in any way vitiate or invalidate the Contract but the value, if any, of all such variations shall be taken into account in ascertaining the amount of the final certification.
- 31.6) No such variations shall be carried out by the Contractor without instructions, in writing from the Engineer in charge. Provided that no instructions in writing shall be required for increase or decrease in the quantity of any work where such increase or decrease is not the result of an instruction given under this clause, but is the result of the quantities exceeding or being less than those stated in the Bill of Quantities. If the Engineer in charge shall consider it desirable to give any instructions verbally, the Contractor shall comply with such an instruction and any confirmation in writing of such verbal instruction given by the Engineer in charge whether before or after the carrying out of such work, shall be deemed to be an instruction in writing within the meaning of this clause. Provided further that if the Contractor shall within 7 days confirm in writing to the Engineer in charge and such confirmation shall not be contradicted in writing within 30 days by the Engineer in charge, it shall be deemed to be an instruction in writing by the Engineer in charge.
- 31.7) In cases where the items of works are not accepted as complete, or not fully in accordance with the Specification, the Engineer in Charge shall make payments of such items at such reduced rates, as he may consider reasonable in approval of Interim Bills and the Final Bill.
- 31.8) In all cases the Contractor shall furnish detailed Rate Analysis along with necessary details as and when required by the Engineer in Charge. The Engineer in Charge on establishing the validity of such claims shall certify the amount payable for such work and rates so determined shall be final and binding on the Contractor.
- 31.9) The quantities of the various kinds of work to be done and materials to be furnished under this Contract as listed in the Bill of Quantities are estimated and approximate only and shall be subject to re-measurement upon completion. The Contractor shall make no claim for anticipated profits, for loss of profits or for damages because no work is ordered under certain items or because of a difference between the quantities of the various kinds of work to be done or materials actually delivered and the estimated quantities set forth in the Bill of Quantities.
- 31.10) The rate/ prices quoted by the Contractor in the Bills of Quantities shall be firm irrespective of any variation in the quantities of individual items of work and / or in the Total Contract Sum.

32.EXECUTION OF ADDITIONAL WORKS:

The Contractor shall be bound to carry out any items of work necessary for the completion of the works even though such items may not be part of his offer. Such works shall be instructed in writing by the Engineer in Charge and formal amendment to the work order will be made.

33.DEFECT LIABILITY PERIOD:

The defects liability period shall be 12 (Twelve) calendar months from the date of the successful completion of the contract as certified by the EIC including any extension (s) of time that may have been granted to the Contractor under the scope of this Contract. In case any defect in the work is observed during the defect liability period, the same shall be rectified by



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the Contractor at own cost including supply of all materials, labour, equipments and any other appliance in this regards (as per prevailing rates) for the fulfillment of all obligations under the Contract and to the satisfaction of the Company.

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Appendix 1**BRPL Special Conditions of Contract for Retrofitting works**

- Contractor to depute qualified safety officer on each project site to be present on-site at all times.
- Contractor to employ certified engineers and skilled labor for retrofitting tasks.
- If works is to be performed near live electrical lines/TR's then strict protocol and isolation procedures need to be adopted as per BRPL requirement.
- Contractor must have as on site emergency response plans i/c evacuation procedures in case of accidents of failures during the retrofitting process.
- Contractor to ensure periodic structural inspection during retrofitting to prevent accidents due to compromised integrity.
- The contractor is required to achieve monthly milestone work targets throughout the project duration. The vendor must complete a minimum amount of work in each month, ensuring steady progress and adherence to the agreed-upon schedule.
- In some of the cases vendor have to do the works in working office timing/Environment so they have to coordinate with concern engineer in charge on daily basis & take all preventive measures as agreed to avoid any inconvenience to BRPL staff & consumers without any additional cost to BRPL.
- Most of the Retrofitting Works (Structure works) would be carried out in parts either in office hours/weekends/Holidays/Night Shift vendor should plan accordingly without any additional cost to BRPL.
- Method statement (Methodology of Execution) to be submitted for each work site separately for approval before start of execution with project schedule.

APPENDIX-II: Specifications of Materials

Annexure-1 Specification of Construction materials						
S. No	Items		Item Description	Specification/Item code	For civil works (W.O Value of less than 10 Lakh Including GST)	For civil works (W.O Value of More than 10 Lakh Including GST)
A.	Cement	1	PPC/OPC-43 grade	43 grade	(PPC/OPC-43 grade) Ambuja / JK Cement / Ultratech / Shree cement	(OPC-43 grade) Ambuja / JK Cement / Ultratech
		2	PPC/OPC- 53 grade	53 grade	(PPC/OPC-53 grade) Ambuja / JK Cement / Ultratech / Shree cement	(OPC-53 grade) Ambuja / JK Cement / Ultratech
B.	Reinforcement steel	3	Cold twisted bar Fe 500	Code 7214	Rathi / Kamdhenu	TATA, SAIL Jindal
C.	Tiles Work	4	Ceramic wall tiles	CODE 69072100	Kajaria- Vego Light, Somani	Kajaria- Vego Light, Somani
		5	Ceramic floor tiles	CODE 69072100	Kajaria- Vego Dark, Somani	Kajaria- Vego Dark, Somani
		6	Vitrified floor tiles	CODE 6206	Kajaria, Somani	Kajaria, Somani
D	Stone / Granite	7	Kota Stone	Code 7282	Kota Stone	Kota Stone
		8	Granite	Code 7282	Z-Black , Tan Brown	Z-Black , Tan Brown
E.	Door & Window	9	Plywood	Code 4412	Greenply, Marino, Century	Greenply, Marino, Century
		10	Flush door shutters	4418	Greenply, Marino, Century	Greenply, Marino, Century
		11	Handle (SS) 25 mm dia & 450mm long	8302	Godrej / Hettich / Dorset	Godrej / Hettich / Dorset
		12	Hydraulic door closer / Floor Spring	8302	Dorset, Ozone, Dorma	Dorset, Ozone, Dorma
		13	Mortice latch & lock	8302	Dorset, Godrej	Dorset, Godrej
		14	Laminates	48239019	Century, Greenlam, Merrino, Action tesa	Century, Greenlam, Merrino, Action tesa
		15	Veneer	44083120	Century, Greenlam, Merrino, Action tesa	Century, Greenlam, Merrino, Action tesa
		16	Glass	70049019	Modiguard, Saint Gobain	Modiguard, Saint Gobain
		17	Blinds	Code 3925	Mac or equivalent	Mac or equivalent
		18	UPVC doors & Windows	3917	Fenesta, Aluplast	Fenesta, Aluplast
F.	Aluminium Work	19	Aluminium sections	7606	Jindal, Hindalco	Jindal, Hindalco
G.	Structural Steel	20	Angle	7308	RANA, Capital, Kamdhenu	RANA, Capital, Kamdhenu
		21	I Section	7308	RANA, Capital, Kamdhenu	TATA, SAIL, Jindal
		22	channel	7308	RANA, Capital, Kamdhenu	TATA, SAIL, Jindal
		23	Tube	7308	TATA, Jindal, Apollo	TATA, Jindal, Apollo
		24	Flat	7308	RANA, Capital, Kamdhenu	RANA, Capital, Kamdhenu
		25	MS sheet	7308	TATA, Jindal	TATA, Jindal
H.	Paints & Putty	26	Oil bound washable distemper/ Cement primer/ Ready mixed acrylic distemper	L102/0615	Asian, Berger, Nerolac,	Asian, Berger, Nerolac,
		27	Red oxide Zinc chromate/ pink or grey primer		Asian, Berger	Asian, Berger
		28	Plastic emulsion/ Synthetic enamel/		Asian, Nerolac	Asian, Nerolac
		29	Anti corrosive bitumastic paint	IS 9077(2001)	Shalimar, Asian	Shalimar, Asian
		30	POP		JK, Sakami , Birla	JK, Sakami , Birla
		31	Wall putty	HS Code 3214	JK wall putty, Birla putty	JK wall putty, Birla putty
		32	White Cement	HS Code 2523	JK, Birla	JK, Birla
		33	Exterior Acrylic	(APEX)	Asian, Nerolac	Asian, Nerolac
I.	Sanitary and water supplying works	34	GI Pipes	7308	Jindal, TATA	Jindal, TATA
		35	GI Fittings	7306	Uniq, ZOOTO-M, DRP-M	Uniq, ZOOTO-M, DRP-M

		36	CPVC pipes for water supply	3917	Ashirwad, Supreme, Astral,	Ashirwad, Supreme, Astral,
		37	Rain water pipes & PVC fittings (SWR)	3917	Supreme, Finolex, Prakash	Supreme, Finolex, Prakash
		38	PVC pipes and fittings for	3917	Supreme, Finolex, Prakash	Supreme, Finolex, Prakash
		39	UPVC pipes for bore well	3917	Supreme, Finolex, Prakash	Supreme, Finolex, Prakash
		40	Stainless steel sink	9403	Neelkanth, Nirali	Neelkanth, Nirali
		41	Indian type WC	Orissa pattern-CO117	Hindware, Parryware	Hindware, Parryware
		42	Wall mounted European type WC	Cascade NXT-CO208	Hindware, Parryware	Hindware, Parryware
		43	Floor mounted European type	Cascade NXT-CO217	Hindware, Parryware	Hindware, Parryware
		44	Urinal	Cascade Classic-CO583	Hindware, Parryware	Hindware, Parryware
		45	Wash basin	Cascade Classic-CO476	Hindware, Parryware	Hindware, Parryware
		46	Water storage tanks	CCWS	Sintex, Jindal, Ganga, Sheetal	Sintex, Jindal, Ganga, Sheetal
		47	SFRC Manhole cover & frames	4100416	KK Manholes & Gratings, Pragati	KK Manholes & Gratings, Pragati
		48	RCC pipes	6810	Ashok Cement pipes, Indian hume pipes	Ashok Cement pipes, Indian hume pipes
		49	15mm CP Brass bib tap		Hindware, Cera	Hindware, Cera
		50	15mm CP Brass Long body bib		Hindware, Cera	Hindware, Cera
		51	15mm CP brass angle valve		Hindware, Cera	Hindware, Cera
		52	CP Jali	code 7324	Hindware, Cera	Hindware, Cera
J.	Roofing works	53	Galvanised/percoaled iron	4808	TATA, JSW	TATA, JSW
		54	Gypsum board	1301	Gypsum India, Saint Gobin	Gypsum India, Saint Gobin
		55	Sections for gypsum ceiling	1301	Gyp India	Gyp India
		56	False ceiling tiles	1301	Armstrong	Armstrong
Electricals Items (Make / Type / Specifications)						
K.	Electrical items	1	PVC conduits	Code 3917	Polypack , Pestoplast	Polypack , Pestoplast
		2	Switches	Code 8536	Havells, Anchor, MK	Havells, Anchor, MK
		3	Sockets	Code 8536	Havells, Anchor, MK	Havells, Anchor, MK
		4	Wires	Code 8544	Havells, Polycab	Havells, Polycab
		5	Wire for sumersible pump & motor	Code 8544	Finolex, Polycab	Finolex, Polycab
		6	MCB	Code 8536	Havells Anchor	Havells Anchor
		7	MCCB	Code 8536	Havells, Anchor	Havells, Anchor
		8	MCCB box	Code 8536	Havells, Anchor	Havells, Anchor
		9	Isolators	Code 8536	Havells, Anchor	Havells, Anchor
		10	DB	Code 8536	Havells, Legrand	Havells, Legrand
		11	Exhaust Fan	Code 8414	Havells, Crompton	Havells, Crompton
		12	Celling Fan	Code 8414	Havells, Crompton	Havells, Crompton
		13	Tube Light		Philips, Havells	Philips, Havells
		14	Ceiling Light (600mmx600mm)		Philips, Bajaj, Havells	Philips, Bajaj, Havells
		15	Ceiling Light - 150mm Dia		Philips, Bajaj, Havells	Philips, Bajaj, Havells

Appendix III : Quality Checksheets

<div style="display: flex; align-items: center;"> <div> BSES BSES Rajdhani Power Ltd </div> </div>										
QC CHECK LIST FOR EHV 66/33KV, HOUSING/OFFICES BLDG CONSTRUCTION WORKS										
Work order/Scheme No.										
Name of work :-					Name of in charge :-					
Circle :-					Name of agency :-					
Division :-										
			A) Contractor		B) BRPL Execution Team			Quality		REMARKS
Sr. No.	Description of points to be checked	References	Responsibility	Documentary Evidence attached	Responsibility	Documentary Evidence attached	Status (Cleared / Not Cleared)	Documentary Evidence attached	Status (Cleared / Not Cleared)	
1	Confirming of building plan as per approved by drawing/Design.	As per approved.								
2	Excavation of foundation trenches/pits properly dressed/rammed. CPWD specification	As per CPWD specification								
3	Providing and laying Lean concrete 1:5:10 concrete. As per CPWD Specification	As per CPWD specification								
4	Providing and laying Lean concrete 1:4:8 concrete.(40mm NOMINAL SIZE) As per CPWD Specification	As per CPWD specification								

QC CHECK LIST FOR EHV 66/33KV, HOUSING/OFFICES BLDG CONSTRUCTION WORKS										
5	Providing and laying cement concrete specified 1:1.5:3 for footing and column.	As per CPWD specification								
6	Providing and laying cement concrete specified 1:2:4 for footing and column.	As per CPWD specification								
7	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 as per CPWD specification	As per CPWD specification								
8	Brick work with F.P.S bricks of class designation 7.5 in foundation and plinth	As per CPWD specification								
9	Brick work in superstructure above plinth level upto floor V level	As per CPWD specification								
10	Proper form work/ centering & shuttering as per CPWD specification (of wooden ply/ steel) provided for RCC/ CC	As per CPWD specification								

QC CHECK LIST FOR EHV 66/33KV, HOUSING/OFFICES BLDG CONSTRUCTION WORKS

11	Reinforcement cement concrete work in beams, Suspended floors roofs having slope upto 15 , landing balconies etc. 1:1.5:3 /RMC M20, M30	As per CPWD specification									
12	Proper water proofing treatment to roofs provided, in sequence as specified in item and & no leakage/ seepage in the slab	As per CPWD specification									
13	provided galvanized iron profile sheets roofing of proper as specified in item.	As per CPWD specification									
14	Sanitary and water supplying work brand/Make as per Engineer in-charge	As per CPWD specification									
15	12mm cement plaster in fine sand as per CPWD specified	As per CPWD specification									
16	15mm cement plaster on the rough side or single in half brick wall of mix as per CPWD specification	As per CPWD specification									
17	6mm cement plaster for to ceiling as per CPWD specification	As per CPWD specification									
18	Provided stone grit plaster on exterior walls in layers (under layer 12mm & top layer 15mm) and in proper ratio as specified	As per CPWD specification									

BSES BSES Rajdhani Power Ltd										
QC CHECK LIST FOR EHV 66/33KV, HOUSING/OFFICES BLDG CONSTRUCTION WORKS										
19	Providing and fixing cupboard shutter 25mm thick , with prelaminated flat pressed three layer particle board	As per CPWD specification								
20	Providing and fixing cupboard shutter 25mm thick veneered particle board IS : 3097 marked	As per CPWD specification								
21	Provided Anodized aluminum work of approved quality for door and windows as specified in item and weight of the sections in permissible limit Manufacturer certificate	As per CPWD specification								
22	Steel doors ,windows and ventilators provided as per specified rolled steel sections	As per CPWD specification								
23	Flush door shutters provided of ISI mark with stainless steel hinges as per CPWD specification	As per CPWD specification								
24	IRC welded mesh of appd design and weight in permissible limit as per CPWD specification	As per CPWD specification								
25	Kota stone used for flooring is hard, sound , dense and homogenous texture, free from cracks & machine cut	As per CPWD specification								
26	False ceiling of approved make and quality as specified in item provided on proper grid of steel / aluminum for support.	As per CPWD specification								

QC CHECK LIST FOR EHV 66/33KV, HOUSING/OFFICES BLDG CONSTRUCTION WORKS										
27	Plaster of Paris of approved quality applied in layers of thickness as per CPWD specifications to walls,roofs to achieve an even surface	As per CPWD specification								
28	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	As per CPWD specification								
29	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade as per specification	As per CPWD specification								
30	Distempering of oil bound washable distemper of approved brand and manufacturer to give an even shade	As per CPWD specification								
31	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 SQM over and including priming coat of exterior primer applied @2.20Kg./10 SQM).	As per CPWD specification								

QC CHECK LIST FOR EHV 66/33KV, HOUSING/OFFICES BLDG CONSTRUCTION WORKS

32	Painting with synthetic enamel paint of approved brand and manufacturer of required colour to give an even shade	As per CPWD specification								
33	Trench covers/ precast trench provided are of as per item of schedule/ specifications.	As per CPWD specification								
34	ELECTRICAL WORK: Wiring cables which passed through walls were taken through a protectionPVC pipe of suitable size.	As per CPWD specification								
35	Electrical wiring has been done as per nomenclature of item in work order.	As per CPWD specification								
36	Electrical fittings like light points, power points, sockets, switch boards, MCBS etc. used are conforming to relevant BIS CODE.	As per CPWD specification								
37	Malba/ debris scrap removed and site is clear as per NGT order.	as per NGT order and site requirement								

QC CHECK LIST FOR EHV (6/33K/11KV), HOUSING/OFFICES MAINTENANCE WORKS											
Work order/Scheme No.											
Name of work :-					Name of incharge :-						
Circle :-					Name of Agency :-						
Division :-											
					A) Contractor		B) BRPL Execution Team		Quality		REMARKS
Sr. No.	Description of points to be checked	References	Responsibility	Documentary Evidence attached	Responsibility	Documentary Evidence attached	Status (Cleared / Not Cleared)	Documentary Evidence attached	Status (Cleared / Not Cleared)		
1	Providing and laying lean concrete 1:5:10 concrete. As per CPWD Specification	As per CPWD specification									
2	Providing and laying lean concrete 1:4:8 concrete. As per CPWD Specification	As per CPWD specification									
3	Providing and laying cement concrete specified 1:2:4 for footing and column. As per CPWD Specification	As per CPWD specification									
4	Brick work with F.P.S bricks of class designation 7.5 in foundation and plinth As per CPWD Specification	As per CPWD specification									

QC CHECK LIST FOR EHV 66/33KV/11KV, HOUSING/OFFICES MAINTENANCE WORKS										
5	Brick work in superstructure above plinth level upto floor V level As per CPWD Specification	As per CPWD specification								
6	Proper water proofing treatment to roofs provided, in sequence as specified in item and & no leakage/ seepage in the slab	As per CPWD specification								
7	providedgalvanised iron profile sheets roofing of proper as specified in item.	As per CPWD specification								
8	Sanitary and water supplying works as per CPWD specification	As per CPWD specification								
9	12mm cement plaster in fine sand as per CPWD specification	As per CPWD specification								
10	15mm cement plaster on the rough side or single in half brick wall of mix as per CPWD specification	As per CPWD specification								
11	6mm cement plaster for to ceiling as per CPWD specification	As per CPWD specification								
12	Provided grit plaster on exterior walls in layers (under layer 12mm & top layer 15mm) and in proper ratio as per specified	As per CPWD specification								
13	Providing and fixing cupboard shutter 25mm thick , with prelaminate flat pressed three layer particle board as per IS Code 12823 as per CPWD specification	As per CPWD specification								
14	Providing and fixing cupboard shutter 25mm thick veneered particle board IS : 3097 marked as per CPWD specification	As per CPWD specification								

BSES BSES Rajdhani Power Ltd		QC CHECK LIST FOR EHV 66/33KV/11KV, HOUSING/OFFICES MAINTENANCE WORKS									
15	Fixing renewing glass panes with putty as per CPWD specification	As per CPWD specification									
16	Provided Anodized aluminum work of approved quality for door and windows as specified in item and weight of the sections in permissible limit as per CPWD specification	As per CPWD specification									
17	Steel doors ,windows and ventilators provided as per specified rolled steel sections as per CPWD specification	As per CPWD specification									
18	Flush door shutters provided of ISI mark with stainless steel hinges as specified	As per CPWD specification									
19	IRC welded mesh of appd design and weight in permissible limit as per CPWD specification	As per CPWD specification									
20	Kota stone used for flooring is hard, sound , dense and homogenous texture, free from cracks & machine cut	As per CPWD specification									
21	False ceiling of approved make and quality as specified in item provided on proper grid of steel / aluminum for support.	As per CPWD specification									
22	Plaster of Paris of approved quality applied in layers of thickness as per CPWD specifications to walls,roofs to achieve an even surface	As per CPWD specification									
23	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	As per CPWD specification									
24	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade as per specification	As per CPWD specification									


QC CHECK LIST FOR EHV 66/33KV/11KV, HOUSING/OFFICES MAINTENANCE WORKS											
25	Distemping of oil bound washable distemper of approved brand and manufacturer to give an even shade as per CPWD specification	As per CPWD specification									
26	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 SQM over and including priming coat of exterior primer applied @2.20Kg./10 SQM). As per CPWD specification	As per CPWD specification									
27	Painting with synthetic enamel paint of approved brand and manufacturer of required colour to give an even shade as per CPWD specification	As per CPWD specification									
28	Trench covers/ precast trench provided are of as per item of schedule/ specifications.	As per item of work									
29	ELECTRICAL WORK: Wiring cables which passed through walls were taken through a protectionPVC pipe of suitable size.	As per item of work									
30	ELECTRICAL WORK. Electrical wiring has been done as per nomenclature of item in work order.	As per item of work									
31	ELECTRICAL WORK. Electrical fittings like light points, power points, sockets, switch boards, MCBS etc. used are conforming to relevant BIS CODE.	As per item of work									
32	Malba/ debris scrap removed and site is clear as per NGT order.	as per NGT order.									

BSES BSES Rajdhani Power Ltd.										
QC CHECK LIST FOR PLINTH MAINTENANCE WORK										
Work order/Scheme No.										
Name of work :-				Name of incharge :-						
Circle :-				Name of vendor :-						
Division :-										
			A) Contractor		B) BRPL Execution Team			Quality		REMARKS
Sr. No.	Description of points to be checked	References	Responsibility	Documentary Evidence attached	Responsibility	Documentary Evidence attached	Status (Cleared / Not Cleared)	Documentary Evidence attached	Status (Cleared / Not Cleared)	
1	Providing and laying Lean concrete 1:5:10 concrete.	As per CPWD Specification								
2	Providing and laying Lean concrete 1:4:8 concrete.	As per CPWD Specification								
3	Providing and laying cement concrete specified 1:2:4 for footing and column. As per CPWD Specification	As per CPWD Specification								
4	Providing and laying cement concrete specified 1:1.5:3 for footing and column. As per CPWD Specification	As per CPWD Specification								

BSES BSES Rajdhani Power Ltd										
QC CHECK LIST FOR PLINTH MAINTENANCE WORK										
5	Brick work with F.P.S bricks of class designation 75 in foundation and plinth As per CPWD Specifition	As per CPWD Specification								
6	Proper form work/ centering & shuttering as per CPWD specification (of wooden ply/ steel) provided for RCC/ CC work	As per CPWD Specification								
7	Reinforcement cement concrete work in beams, Suspended floors roofs having slope upto 15 , landing balconies etc. 1:2:4 as per CPWD specification	As per CPWD Specification								
8	12mm cement plaster in fine sand as per CPWD specified	As per CPWD Specification								
9	15mm cement plaster on the rough side or single in half brick wall of mix as per CPWD specification	As per CPWD Specification								
10	IRC welded mesh of appd design and weight in permissible limit as per CPWD specification	As per CPWD Specification								
11	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 SQM over and including priming coat of exterior primer applied @2.20Kg./10 SQM). As per CPWD specification code no. 13.79C	As per CPWD Specification								
12	Painting with synthetic enamel paint	as per CPWD specification								

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QC CHECK LIST FOR PLINTH MAINTENANCE WORK									
	of approved brand and manufacturer of required colour to give an even shade as per CPWD specification								
13	Trench covers/ precast trench provided are of as per item of schedule/ specifications.	as per CPWD specification							
14	Malba/ debris scrap removed and site is clear as per NGT order.	as per NGT order.							



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QC CHECK LIST FOR ROAD RESTORATIONWORKS										
Work order/Scheme No.										
Name of work :-			Name of incharge :-							
Circle :-			Name of vendor :-							
Division :-										
			A) Contractor		B) BRPL Execution Team			Quality		REMARKS
Sr. No.	Description of points to be checked	References	Responsibility	Documentary Evidence attached	Responsibility	Documentary Evidence attached	Status (Cleared / Not Cleared)	Documentary Evidence attached	Status (Cleared / Not Cleared)	
1	Providing and laying Lean concrete 1:4:8 concrete. As per CPWD Specification.	As per CPWD specification								
2	Providing and laying Lean concrete 1:5:10 concrete. As per CPWD Specification.	As per CPWD specification								
3	Providing and laying cement concrete specified 1:1.5:3 for footing and column.	As per CPWD specification								
4	Providing and laying cement concrete specified 1:2:4 for footing and column.	As per CPWD specification								

QC CHECKLIST FOR ROAD RESTORATION WORKS									
5	Proper compaction done by vibrator to RCC/DD work & no loose concrete/ honey combing seen	As per CPWD specification							
6	Malbatal debris scrap removed and site is clear as per IGT order.	as per IGT order and site requirement							

SECTION – IV : GENERAL CONDITIONS OF CONTRACT (GCC)

SECTION – IV**GENERAL CONDITIONS OF CONTRACT (GCC)**

This GCC shall form an integral part of the Agreement and will be of full force and effect as if they were expressly set out in the body of the Agreement.

Reference to any legislation or law to any provision thereof shall include references to any such law as it may, after the date hereof, from time to time, amended, supplemented or re-enacted, and any reference to a statutory provision, shall include any subordinate legislation made from time to time under that provision.

1. DEFINITION & INTERPRETATION**1.1 Definition**

In the Agreement (as defined below) the words and expressions defined below shall have the meanings assigned to them herein except where the context requires otherwise:

- 1.1.1 “Accounting Year” means the financial year commencing from 1 April of any calendar year and ending on 31 March of the next calendar year.
- 1.1.2 “Applicable Laws” means all Law / Laws in force and effect, as of the date hereof and which may be promulgated or brought into force and effect hereinafter in India including any revisions, amendments or re-enactments including without limitation regulations, rules and notifications made there under and judgments, decrees, injunctions, writs and orders of any court or regulators or quasi-judicial body or any appropriate authorities, as may be in force and effect during the subsistence of the Contract. It includes Law/Laws of Country/State legislation, statutes, ordinance, notification, circular, regulations and other Laws, and bye Laws of any legally constituted public authority.
- 1.1.3 “Change in Law” means the occurrence of any of the following after the execution of agreement:
 - (i) The enactment of any new Indian Law;
 - (ii) The repeal, modification or re-enactment of any existing Indian Law;
 - (iii) The commencement of any Indian Law which has not entered into effect until the date of performance the Contract;
 - (iv) Change in the interpretation or application of any Indian Law by a court as compared to such interpretation or application twenty-eight (28) days prior to the last date of submission of Tender;
 - (v) It also includes changes in the tax rates upward or downward.
- 1.1.4 “Change in Service” means any addition to, deletion from, suspension of or other modification, to the Services, or to the quality, function or as delineated in this agreement, including any such addition, deletion, suspension or other modification, which requires a change in one or more of the service specification and the completion schedule.
- 1.1.5 “Communication” means instruction or information or written notice issued on letter head or through electronic mail exchange between Parties and excludes verbal or short messaging services (SMS). The notice shall be served by delivering a copy by electronic mail, or registered post/speed post etc. Unless otherwise stated in the agreement, all communications to be given under the Contract shall be in writing. Communication may be sent to competent authority or authority delegated to such officer/employee. Communication shall be on letter head of Party signed by competent authority/authorized signatory of the Party.
- 1.1.6 “**Company**/Owner/Purchaser/First Party ” the terms used in this agreement shall refer to BSES RAJDHANI Power Limited (BRPL) having its office at BSES Bhawan, Nehru Place, New Delhi - 110019 and shall include its authorized representatives, agents, successors and assignees.
- 1.1.7 “**Contractor**/Agency/Vendor” means the successful bidder to whom this Agreement is awarded. It is entity named in the Execution Cover and includes assignees, administrator, executors, successors, associated company/subsidiary/joint venture/firm/representative of the Contractor. It is also termed as ‘Contractor’ or ‘Agency’.

- 1.1.8 "Contract" / "Agreement"/"Work Order" means the agreement between the Company and the Contractor for the performance of the Services, including the Contract / Agreement/ Work Order duly signed and executed between the Parties, the letter of acceptance, the Conditions of Contract, the schedules, Annexures, the Company/BRPL's requirements, including but not limited to the tender, other tender documents and such further documents which are listed in the Contract / Agreement/Work Order and includes any amendment thereto made in accordance with the provisions hereof giving binding effect to the terms and conditions agreed by the Parties. This includes Work Order / Letter of Intent(LOI) issued to the Contractor by the Company/BRPL.
- 1.1.9 "Agreement Period" shall mean duration of Services to be performed and includes extension thereof after mutual consent of both Parties.
- 1.1.10 "Agreement Value/Consideration" means the price of the defined Services including taxes payable to the Contractor for the performance of the Services subject to such additions thereto and deductions there from as may be made under the provisions of this Agreement. The Agreement Value is in consideration of providing the Service by the Contractor as per scope of work and as per Service specifications stipulated in the Agreement; the Agreement Value includes all and any fees, charges, local cess, taxes (GST and Income Tax), levies together with all cost and expenses. The Agreement Value may also term as 'Service Fee(s)' or 'Agreement fees'/Consideration elsewhere in the Agreement. Agreement Value is fixed lump sum for the Agreement Period unless mentioned in Agreement elsewhere.
- 1.1.11 "Force Majeure" shall have the meaning as ascribed in this agreement and annexures thereto.
- 1.1.12 "Good Industry Practice" means the exercise of the highest degree of skill, diligence, prudence and foresight in compliance with the obligations under the Contract which would be expected from a skilled and experienced Contractor engaged, being internationally accepted and customized in day to day performance in industry including for the supply of Manpower.
- 1.1.13 "HSE Conditions" shall mean the BRPL's health, safety and environment conditions containing the requirements and conditions to be met with respect to safety, health and environment.
- 1.1.14 "KPI" shall mean Key Performance Indicator as set out in the Contract/Agreement, its schedules/annexures etc. The performance of the Manpower employed by the Contractor for execution of Services shall be measured through KPI. The payment to Contractor shall be based on Manpower's performance as measured through KPI. It includes metrics in numerical, frequency and measuring process. Total manpower shall be monitored & calculated skill wise but it will be cumulative on monthly basis
- 1.1.15 "Manpower" means a person/s, labour (including Contractor's staff / personnel) known, introduced, security personnel employed and deployed by the Contractor in Contractor's provision of the Services who has skill, efficiency and mannerism to execute, perform Services under this Contract as per Scope Of Work of the Contract. The Manpower deployed shall have valid licenses, PAN card details / KYC information.
- 1.1.16 "Contract cum Performance Bank Guarantee (CPBG)" means the bank guarantee to be procured in accordance with terms of agreement for the performance of the Contractor's obligations under the Contract. The CPBG format is furnished in the Annexure, annexed to agreement.
- 1.1.17 "Service(s)" / "Works" shall mean Company/BRPL's requirements describing in detail including the nature of the Services and activities to be performed by the Contractor and its Manpower, in accordance with specifications, the duration of such requirement, and Services performed, the expected time of commencement and completion, detailed responsibilities and other relevant particulars. It is 'scope of work' which is to be executed, performed successfully and satisfactorily by the Contractor in accordance with the Contract and ancillary services as may be Communicated by the BRPL from time to time under the Contract Period.
- 1.1.18 "Site" means the designated place/office or establishment or construction site, office, branch, including right of way and/or places provided by the BRPL where the Services is to be executed and any other place as may be specifically designated in the Contract/Agreement as forming part of the Site or designated as such by the Company/BRPL.
- 1.1.19 "Sub-Contractor" means a Sub-Contractor whom a part of the Contract is Sub Contracted by the Contractor with the prior written approval of the Company/BRPL, and the permitted legal successors in title to such person, but not any assignee of such person.

- 1.1.20 "Sub-Contract" shall mean obligations under the Contract have been awarded by the Contractor to Sub-Contractor.
- 1.1.21 "Tax Invoice" /" Running Bill" (RA Bill/bill) shall have the meaning ascribed to it under GST Laws.

1.2 Interpretation

In the Contract except where the context requires otherwise:

- 1.2.1 Words indicating one gender include all genders
- 1.2.2 "Written" or "in writing" means hand-written, written, or electronically made and resulting in a permanent record
- 1.2.3 Any reference to any provision of an act of Parliament or of a state legislature shall be construed, at the particular time, as including a reference to any modification, extension or re-enactment thereof, to all instruments, orders or regulations then in force
- 1.2.4 The singular shall include plural and vice versa, and words denoting natural persons shall include partnerships, firms, companies, corporations, joint ventures, trusts, associations, organizations or other entities
- 1.2.5 The headings are inserted for convenience and shall not limit, alter or affect the meaning of the Contract.
- 1.2.6 The terms defined in schedule and the BRPL's Requirements shall have the same meaning ascribed thereto when used elsewhere in the Contract and vice versa;
- 1.2.7 The words "include" and "including" shall be construed without limitation
- 1.2.8 The schedules/annexures shall form an integral part of the Conditions of Contract and shall be in full force and effect as though they were expressly set out in the body of the Conditions of Contract.
- 1.2.9 The word "consent" wherever used, shall mean prior written consent;
- 1.2.10 In the event any portion or all of the Contract is held to be void or unenforceable, the Parties agree to negotiate in good faith to arrive at an amicable understanding which shall accomplish the intent of the Parties as originally set forth in the Contract;
- 1.2.11 No failure on the part of any Party to exercise, and no delay in exercising, any right hereunder shall operate as a waiver thereof, and no single or partial exercise of any such right shall preclude any other or further exercise thereof or the exercise of any other right
- 1.2.12 References to recitals, Articles or schedules in the Contract shall, except where the context otherwise requires, be deemed to be references to recitals, Articles and schedules of or to the Contract; and
- 1.2.13 In case the day on or by which any thing is to be done is not a Business Day, that thing must be done on or by the immediately occurring next Business Day

2. PRIORITY OF CONTRACT DOCUMENTS

The several documents forming the Agreement are to be taken as mutually explanatory of one another, but in case of ambiguities or discrepancies, the same shall be explained and adjusted by the company, who shall, accordingly, issue suitable instructions thereon to the Contractor. In such event, unless otherwise provided in the agreement or explained by way of instructions by the company, as mentioned above, the priority of the documents forming the Agreement shall be as follows:

- i) Contract Agreement/Work Order.
 - (a) Special Conditions of Contract
 - (b) General Conditions of Contract
- (ii) The Letter of Acceptance/ Intent
- (iii) Agreed Minutes of the Tender Negotiation Meetings
- (iv) Agreed Minutes of the Tender Technical Meetings
- (v) The Priced Bill of Quantities
- (vi) The Technical Specifications / Scope of work
- (vii) The Tender document, including all Appendices and/or Addenda, Corrigendum the latest taking precedence.

In the event of any conflict between the above-mentioned documents, the more stringent requirement or conditions which shall be favorable to the company shall govern and the decision of company/BRPL shall be final and binding upon the parties.

3. AMENDMENT

Any modification, amendment or other change to the Agreement shall be affected only by a written instrument signed by the authorized representatives of both, the Company and the Contractor.

4. LANGUAGE AND MEASUREMENT

All correspondence and documents relating to this order placed on the Contractor shall be written in English language. Metric System shall be followed for all dimension, units etc.

5. EXAMINATION OF SITE & LOCAL CONDITIONS

The contractor is deemed to have visited all the sites that comes under Company's licensed area under the Contract and therefore, ascertained all site conditions and information pertaining to the services to be provided under this contract. The company shall not accept any claim whatsoever arising out of the difficulties at site/terrain/local conditions, if any.

6. TAXES & DUTIES

- (i) Prices shall be inclusive of all taxes and duties including labour cess (except GST). However, Income Tax(TDS) as per applicable rate in accordance with Income Tax Act will be deducted from contractor's bills.
- (ii) GST at actual shall be paid extra on submission of GST Registration and self-declaration on Contractor's letter head stating that you have deposited/or will deposit the Tax as per the applicable GST laws. Contractor shall furnish its GST registration number.
- (iii) Any statutory variations i.e. increase/decrease in Taxes / Duties introduced by central Govt. / State Govt. shall be reimbursed/recovered to/from Contractor against documentary evidence and proof.
- (iv) As Per Notification No. 39/2021 # Central Tax dated 21st December, 2021 w.e.f 01/01/2022 registered person (ie, Recipient/Purchaser) can avail tax credit on those invoices only which have been reflected in GSTR 2A or GSTR2B (it means 100% matching of invoice is required). Also, GST has to be deposited by Supplier/Contractor by filing of GSTR- 1 and GSTR-3B.
- (v) In view of above, if the same is not complied with by the supplier/Contractor and the Recipient/Purchaser is not in position to avail / utilize Input Tax Credit due to non-compliance or non-filing of GSTR-1 and GSTR-3B for the month/quarter (as applicable) in which the supply was made, then Recipient/Purchaser has right to hold 100% GST amount from next payment due of the subsequent month till the time default is not cured.
- (vi) For releasing of the payment kept on hold on account of non-compliance of GST Act, supplier/Contractor shall submit payment proof i.e GST Portal screenshot reflecting name of Recipient/Purchaser along with GSTR-1 and GSTR-3B for month/quarter (as applicable) in which the same has been discharged. Payment shall not be released, till the time necessary proof showing the discharge of GST liabilities by the contractors for the period in default are submitted to the Company.
- (vii) Further, the recipient/purchaser shall also be entitled to recover any financial loss suffered by the Company (including tax, interest, penalty and lapse of input credit) due to non-compliance or non-filing of GSTR-1 and GSTR-3B by the supplier/Contractor.
- (viii) In case where delivery of goods is being made on FOR site basis, the Supplier/Contractor is responsible to comply with rules applicable for E-way bill. Any violation in provision of E-way Bill will attract penalty and seizure of Transit Material. Any Penalty and Pre-Deposit due to violation of rules/provision shall be paid and borne by Supplier/Contractor. Also, Supplier/Contractor is responsible to get the goods released from the concerned authority. Delay in supply due to seizure of goods shall attract liquidated damages as per Order / Agreement provisions.

7. PAYMENT

- 7.01 All monitoring, measurement, billing & payment processes shall be on IT enabled platform of BRPL as per Company's guidelines issued from time to time and bidders to ensure adherence.

Contractor shall upload bills along with all supporting documents in online BTS (Bill Tracking Systems) software or any other IT enabled platform of BRPL as per Company's guidelines issued from time to time for certification / approval purpose and bidders to ensure adherence. Further the contractor shall also submit original bill (hard copy) along with all supporting documents at Vendor Support Cell of BRPL. The bills shall be made in favor of BSES Rajdhani Power Ltd, BSES Bhawan, Nehru Place, New Delhi - 110019.

- 7.7 Company shall make payments, without any interest/charges and after deduction of taxes, penalties as applicable, against the bills within 30 days from the date of receipt of the bills, duly verified and certified by Engineer-in-Charge.
- 7.8 <<Deleted>>
- 7.9 The bill shall consist of the prescribed documents on standard stationary designed by the Company. Contractor shall collect the details of such documents and formats from the Company.
- 7.10 Contractor shall, at no point of time, claim or have the right to claim any additional fees, expenses or charges of any nature whatsoever, other than the Rates set out in the contract.
- 7.11 The company may modify the procedure for the submission of bills. The Contractor shall be obliged to submit its bill as per the procedure stipulated by the company from time to time.

8. TAX INVOICE SUBMISSION PROCEDURE AND CERTIFICATION

- 8.1 Tax Invoice shall be submitted to the Company for certification. Contractor must pay due attention for submission of Tax Invoice in time and along with relevant Documents to Company.
- 8.2.1 Tax Invoice shall be certified by Company after verifying relevant original Documents submitted by Contractor. If original Document associated with Tax Invoice is misplaced or lost during transit or for any genuine reason(s) attributable to Contractor, the reason(s) should be informed to Company in writing in stipulated period as instructed by Company. A true copy of certified Document with an indemnity bond or Bank Guarantee, as the case may be, must be submitted in the format provided by the Company.
- 8.2 Incomplete Tax Invoice will not be considered for processing of payments in terms of the Contract. Company reserves right to recover payable amount or part of Tax Invoice from available financial security or other dues of the contractor with the Company. Contractor shall be paid in terms of the Contract based on certification of Tax Invoice along with associated relevant Document(s) by the Company only.

9. TIME ESSENCE OF CONTRACT

Time is the essence of the contract and the contractor shall be responsible for performance of his works in accordance with the specified schedule. If at any time, the contractor is falling behind the schedule for reasons attributable to him, he shall take necessary action to make good for such delays by increasing his work force or by working overtime or otherwise to accelerate the progress of the work and to comply with schedule timelines and shall communicate such actions in writing to the company, to the satisfaction of the Company that his action will compensate for the delays. The contractor shall not be allowed any extra compensation for such actions.

Time shall be the essence of the Contractor. Contractor shall complete his work in accordance with the specified time-lines/ Schedules as per the terms of the contract or as may be instructed by the Company from time to time.

10. Liquidated Damages:

In the event of the Contractor's failure to complete the work or any part thereof within the Contract Period including the interim milestone dates, the Contractor shall be liable to pay the Company liquidated damages calculated at the rate of 1 (one) % of the contract value per week of delay or part thereof subject to a maximum of 10 (ten) % of the contract value, for the period between the Date for Contractual Completion and the Date of Actual Completion as certified by the EIC.

The Company may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies in its possession, which are due or which may become due to the Contractor. The levy payment or deduction of such damages shall not relieve the Contractor from his obligation to complete the Works on time or from any other part of his obligation and liabilities under the Contract. Once the maximum is reached, the Company reserves the right for termination of contract without any liabilities to the Company.

In the event of an extension of time being granted by the EIC, in writing for the Completion of the works, this clause shall be applicable after the expiry of such an extended period.

In case the contractor has not mobilized / taking up the job as per the direction of Engineer In-charge, the company have all rights to cancel / re-allocate the work allotted to the contractor.

Engineer In charge should specifically mention the amount of LD levied on the bill of contractor for this job.

11. INSPECTION & QUALITY CONTROL

Inspection shall be performed by BRPL or its appointed authorized inspection agency. The contractor at his sole expenses shall correct defective works. Such rectification needs to be done / completed within the timelines specified by BRPL.

12. REPORTS AND INFORMATION

The Contractor shall be obliged to submit or furnish to Company, all or any information as desired by company, in the form of a report or otherwise. The report may be required at regular interval as specified/required by company. The information shall be provided in a format to be specified by the company to the Contractor. However, company, reserves the right to revise this format which would be communicated to the Contractor and it shall be valid and binding obligation on the Contractor to submit the desired information in the revised format.

13. STATUTORY OBLIGATIONS

The Contractor shall ensure the due compliance of all the applicable statutory acts, including but not limited to the following acts, where special attention of the Contractor is required to be drawn towards the compliance of provision (along with the latest amendments/additions) including any statutory approval required from the Central/State Governments, Ministry of Labour.

- The Child Labour (Prohibition and Regulation) Act, 1986.
- The Agreement Labour (Regulation and Abolition) Act, 1970.
- The Employee's Pension Scheme, 1995.
- The Employee's Provident Funds and miscellaneous provisions Act, 1952.
- The Employees State Insurance Act, 1948.
- The Industrial Disputes Act, 1947.

- The Maternity Benefit Act 1961.
- The Minimum Wages Act, 1948.
- The Payment of Bonus Act, 1965.
- The Payment of Gratuity Act, 1972.
- The payment of Wages Act, 1936.
- The Delhi Shops & Establishment Act, 1954.
- The Workmen's Compensation Act. 1923.
- The Company's Liability Act, 1938.
- The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013
- The Delhi Preservation of Trees Act 1994

Further the Contractor shall be liable to comply with all the amendment in existing acts / upcoming new comprehensive labour acts/codes related to applicable labour laws.

The Contractor shall, prior to commencement of the jobs under this agreement, furnish to the Company the Registration No and Codes of permanent Provident Fund and ESI of its employees.

Contractor shall bear the entire responsibility, liability and risk relating to coverage of its workforce under different statutory regulations including Workmen's Compensation Act, ESI Act, Factories Act 1948, the Agreement Labour (Regulation and Abolition) Act 1970, as amended from time to time, and any other relevant laws/regulations as the case may be. Contractor shall also be solely responsible for the payment of all benefits such as Provident Fund, Bonus, Retrenchment Compensation, leave etc. applicable as per the various statutory laws/regulations and shall keep the Company indemnified in this regard against any claim. The Company shall be entitled to deduct from any money due to or become due to Contractor, any money paid or payable by way of compensation as aforesaid or cost or expenses in connection with any claims thereto and Contractor shall abide by the decision of the Company as regards the sum payable by Contractor under the provisions of this clause

The Contractor shall obtain all registration/permissions licenses etc., which are/may be required under any labour or other legislations for providing the services under this Agreement.

In case it is desired by any Labour authorities to produce the records with respect to salary/ PF/ESI/EDIL/Bonus etc., the said record/register will be made available by the Contractor.

The contractor shall follow all law of the land and prevailing orders issued by various Govt. Departments like Dept. of Power / DERC/ NGT/Dept. of Forest/ Dept. of Environment / DPCB / CPCB/ Court orders etc.

14. PENALTY FOR NON-COMPLIANCE OF STATUTORY REGULATIONS

If any non-compliance of any Statutory Obligation is observed then an amount equivalent to 1.5 times of the value of the non-compliance will be retained from outstanding (monthly) payment bill, however; if non-compliance is continued, penalty will be levied as follows:

- a. Retained amount will be converted into penalty if Non-compliances are not closed within 60 days
- b. Termination of agreement in case non-compliances are not cleared after show cause in writing.

- c. The imposition of the penalty is without prejudice to the BRPL's right to terminate the Contract. The closure of the work and final settlement of the contract order shall be effected only after issuance of NOC by BRPL.

15. PENALTY FOR MISCONDUCT/FAILURE IN PERFORMANCE OF TASK UNDER AGREEMENT

- 15.1 The Contractor and its manpower shall adhere all code of conduct/Schedule/SOP/Instructions associated with the task to be performed under the agreement.
- 15.2 During the period of validity/execution of task under agreement, the behavior of manpower deputed by Contractor shall be entirely professional and shall not commit any misconduct.
- 15.3 Misconduct shall refer to the following:
 - a. Interaction with the customer in a non-professional way, including any form of verbal/physical abuse to customer or misuse/damage/tempering of premises and/or meter.
 - b. Any form of harassment to customer i.e. asking for bribes, reaching customer premises outside the defined working hours, asking the customer for any favours etc.
 - c. Additional interaction with customer not under purview of task to be performed under agreement.
 - d. Provide other customer services with or without a charge unless directed by BRPL.
 - e. Accessing BRPL's IT Infrastructure within data centre or anywhere else, in BRPL premises.
 - f. The contractor's deputed manpower do not wear the uniform as per the terms and conditions of the contract during the performance of services under the contract.
- 15.4 BRPL shall conduct audit and quality checks on the activities to be performed by Contractor and/or the personnel deputed by Contractor under Agreement on a periodic basis, to ascertain the overall quality and performance of field activities.
- 15.5 Any complaints received by BRPL either directly from the customer or observations through audit or any other sources shall be reviewed by BRPL. The decision of the committee on the final action on Contractor shall be binding.

15.6 PENALTY FOR MISCONDUCT

- (a) The penalty to be imposed in case of misconduct shall be as follows:
 - In case of any misconduct as defined above, a penalty of Rs 5000/- per incident shall be levied.
- (b) In case of multiple incidences of Misconduct:
 - 1) 4 complaints per annum OR

2) More than 1 complaint in a quarter

An additional penalty of Rs 20,000/- shall be levied and possible termination of the contract.

15.7 The person responsible for such incidence of misconduct must be immediately removed by Contractor from Company's services under the contract and should also never be deployed for providing any other services to the Company. If needed contractor shall file police FIR against such person

15.8 The Contractor shall collect the following documents from the manpower deputed under this agreement, within two weeks of mobilization and shall deposit the same with BRPL as & when demanded, as follows:

- (i) Educational Qualification Certificate: Certificate and mark-sheet of all manpower demonstrating the highest educational qualification of all personnel, making them competent for the task assigned.
- (ii) Permanent Address Proof: Supporting document for permanent address proof of all personnel.
- (iii) Identity Proof: Copy of PAN/Adhaar card should be submitted as identity proof for all personnel.

15.9 Contractor shall deploy the manpower in mutual consultation with BRPL. BRPL reserves the right to reject deployed manpower, in case the same is not found suitable.

15.10 The Contractor shall conduct relevant background checks and prepare Background Reports through an authorized agency of all manpower deployed for the performance of task under agreement in BRPL within one month of deployment.

Such reports shall be shared with BRPL as requested. Contractor shall submit an Affidavit clearly stating that back-ground check for all personnel is complete and back-ground reports have been prepared to this effect within one month of deployment.

16. STATUTORY PERMISSION/ APPROVALS

16.1 The Contractor shall take all steps as may be necessary to comply with the various applicable laws/rules including the provisions of agreement labour (Regulation & Abolition Act) 1970 as amended, minimum wages Act, 1984, Workmen Compensation Act, ESI Act, PF Act, Bonus Act and all other applicable laws and rules framed there under including any other statutory compliance/approval required from the Central/State Govt., Ministry of Labour.

16.2 The Contractor must also submit the following before award of First Work Order under agreement and these shall be renewed time to time:

- a) Certificate of registration under Contract labour (R & A) Act 1970.
- b) PF Code No. and all employees to have PF A/c No. under PF Act, 1952.

- c) All employees to have a temporary or permanent ESI Card as per ESI Act.
- d) ESI Registration No.
- e) GST registration number
- f) PAN No.
- g) Electrical License as applicable
- f) Labour License under Labour Act (R & A) Act 1970. A copy of Labour License shall be deposited by Contractor with all Engineer-in-charge responsible for execution of the job before start of the work by the contractor, as per guidelines of HR department.)

16.3 The Contractor must follow/adhere/perform the following task:

- (a) To take Third party Insurance Policy before start of work.
- (b) To follow Minimum Wages Act prevailing in the state.
- (c) Salary / Wages to be distributed not later than 7th of each month.
- (d) To maintain Wage- cum - Attendance Register.
- (e) To maintain First Aid Box at Site.
- (f) To Submit Latest P.F. and E.S.I. challans pertaining to the period in which work was undertaken along with a certificate mentioning that P.F. and E.S.I. applicable to all the employees has been deducted and deposited with the Authorities within the time limits specified under the respective Acts.
- (g) To frame and adhere the Workmen Compensation Policy in compliance with the law.
- (h) To obtain Labour license before start of work.
- (i) Registration of Contractors & Contractual Employees under Building & other Construction Worker Welfare Cess Act 1996 & The Building & \ other Construction Workers (Regulation of Employment & Conditions of services) Act 1996, as applicable
- (j) Registration under “The Delhi Building and other Construction Worker (Regulation of Employment and Conditions of Services) Rules 2002(B.O.C.W.)”, as applicable

Before commencing the work it would be mandatory for the Contractor to furnish the Company the permanent PF code no and ESI of the employees.

16.4 Contractor ensures that Manpower deployed at the site must adhere to terms & conditions as set out in the Contract.

- 16.5 The Contractor shall give a written declaration / undertaking on or before 15th of the following month that he has complied with the following:
- a) Has paid minimum wages to his manpower along with its proof.
 - b) Deduct and deposited ESI/PF contribution. Copy of the same shall be submitted
- 16.6 Contractor shall comply with all the amendments to existing acts, upcoming new comprehensive labour acts related to applicable labour law, wage code etc

17. REPRESENTATION, WARRANTIES AND GUARANTEES

The Contractor hereby represents warrants and guarantees that:

- 17.1 It is a legally recognized entity under the laws of India;
- 17.2 The Agreement contains valid and binding obligations and is enforceable in accordance with the terms hereof;
- 17.3 It has studied the technical feasibility, Site conditions and other prevailing conditions and all other operational details and based on these studies carried out, has agreed to provide to the Company the services as contemplated in this Agreement;
- 17.4 It has appraised itself of all applicable rules and regulations, and shall at all times comply with such rules and regulations;
- 17.5 It shall procure vehicles and hire manpower suitable for the purposes of rendering services as contemplated in this agreement;
- 17.6 The Services would be conducted in a safe and efficient manner at the Site and at all times in compliance with Good Industry Practices and requirements of the Company, and in any event, in accordance to this Work Order/agreement;
- 17.7 It shall procure all consents, licenses, permits, approvals and certificates and authorizations as may be required from any governmental authority for the performance of services at the Site;
- 17.8 It shall duly pay the duties, taxes and levies as are set out in this agreement or otherwise, which are to be paid by the Contractor;
- 17.9 There is no action, suit or proceeding, at law or in equity, or to the best of knowledge of Contractor, any official investigation before or by any governmental authority, arbitration tribunal or other body pending or, to the best of its knowledge, threatened against or affecting it or any of its property, rights or assets, which could reasonably be expected to have material adverse effect on its ability to perform its obligations under this Agreement or on the validity or enforceability of this agreement.

18. EVENTS OF DEFAULTS

Company may, without prejudice to any of its other rights or remedies under the Contract or in law, terminate the whole or any part of this Contract by giving written notice to the Contractor, if in the opinion of Company, contractor has neglected to proceed with the Contracts with due diligence or commits a breach of any of the provisions of this Contract including but not limited to any of the following cases:

- 18.1 Failing to complete execution of Contract as per the terms and conditions specified in the Contract.
- 18.2 Failing to complete Contracts in accordance with the approved schedule of Contract.
- 18.3 Failing to comply with any reasonable instructions or orders issued by Company in connection with the Contract.
- 18.4 Failing to comply with any of the terms or conditions of this Contract.
- 18.5 In the event Company terminates this Contract, in whole or in part, on the occurrence of any event of default, Company reserves the right to engage any other vendor or agency to complete the Contract or any part thereof, and in addition to any other right Company may have under the Contract or in law including without limitation, including the right to penalize for delay under clause "Liquidated Damage" of this Contract, the contractor shall be liable to Company for any additional costs that may be suffered/borne by Company for the execution of the Contract.
- 18.6 Failure on the part of the Contractor to maintain its confidentiality obligations and or compromising its integrity, which are required to be of highest standards, in so far as the present scope of work is concerned.

19. RISK & COST

If the Contractor fails to execute the work as per specification/Agreement/as per the direction of Engineer-in-charge within the scheduled period and/or even after the extended period, the company shall be having the right to cancel/terminate the agreement and the company reserves the right to get the work executed from any other source at the Risk & Cost of the Contractor. The Extra Expenditure so incurred shall be debited to/recovered from the Contractor.

20. LIMITATION OF LIABILITY

- 20.1 The Contractor's liability (except Third Party Liability; covered under the agreement and addendums thereto) for all damages, losses, acts or omissions, howsoever occasioned, shall not, at any time exceed an amount equivalent to Contract Value.
- 20.2 Notwithstanding anything stated in the agreement, the limitation of Liability shall not be available/applicable in case of wilful default/breach/negligent act/misconduct on the part of the Contractor and/or its employees.

21. TERMINATION**21.1 TERMINATION BY COMPANY FOR NON PERFORMANCE**

During the course of the execution, if at any time the Company observe and forms an opinion that the work under the order is not being performed satisfactory and the performance of the Contractor not found satisfactory, the Company reserves its right to cancel/ terminate this Agreement giving 30 days' notice without assigning any reason and the Company will recover all damages including losses occurred due to loss of time from the Contractor. After termination of the agreement, the Contractor shall immediately stop all activities related to the work terminated. This is without prejudice to other rights under the terms of contract. The Contractor shall hand over the Company all drawing/documents prepared for this contract up to the date of cancellation of order.

21.2 PREMATURE TERMINATION

The order can be terminated by the Company before the expiry of its term under the following conditions:

- (i) The Contractor repudiates this order or otherwise evidences intention not to be bound by this order;
- (ii) The Contractor assigns, mortgages, or charges or purports to assign, mortgage, or charge any of its obligations or rights in contravention to the provisions of this order; or, transfers or negates any of its obligations in contravention to the provisions of this order.
- (iii) The Contractor breaches the Secrecy/Non-disclosure Clause/Confidentiality obligations.
- (iv) If at any stage during the tenure of the work order, Contractor is found to be involved or indulging or even attempting illegal, unlawful action or activities or some fraudulent or even trying to take or ask bribe from any customer or to give bribe official/staff or misuse or abuse any meter or property of the Company.
- (v) The Company shall be entitled to deduct from any money due or to becomes due to the Contractor, money paid or payable by way of compensation as aforesaid or cost or expenses in connection with any claims thereto. The Contractor shall abide by the decision of the Company as to the amount payable by the Contractor under the provision of this clause.

21.3 TERMINATION BY COMPANY FOR CONVENIENCE

The Company shall, in addition to any other right enabling it to terminate the Contract, have the right to terminate the Contract at any time without assigning any reason, by giving a written notice of minimum 30 days to the Contractor. The Contract shall stand terminated on the date as per the notice but such termination shall be without prejudice to the rights of the Parties accrued on and before the date of termination.

22. GOVERNING LAW AND ARBITRATION

- 22.1 Governing Law: This Work Order/Agreement shall be governed by the laws of India and each party submits to the exclusive jurisdiction of the courts in New Delhi.
- 22.2 Dispute Resolution Mechanism. All disputes and differences arising out of or in connection with this Agreement shall be resolved amicably by mutual discussion within 30 days. If the dispute cannot be resolved by mutual discussions and agreement, the parties will take such dispute to an arbitral panel comprising Sole Arbitrator jointly appointed by the parties to agreement.
- 22.3 In the event parties fail to appoint the sole arbitrator within 30 days from the date of request made by party, the Sole Arbitrator shall be appointed as per the provisions of The Arbitration and Conciliation Act 1996 as amended upto date. The arbitration shall be conducted in New Delhi in accordance with the provisions of the Arbitration and Conciliation Act 1996. The award of the arbitral panel shall be final and binding on all parties. The arbitration proceedings shall be conducted in English. The venue and seat of Arbitration shall be in Delhi Only. The cost of arbitration shall be shared equally between the parties unless otherwise directed by the Arbitrator.

23. FORCE MAJEURE

23.1 General

An "Event of Force Majeure" shall mean any event or circumstance not within the reasonable control, of the Party affected, but only if and to the extent that:

- (i) Such event or circumstance, despite the exercise of reasonable diligence, could not have been prevented, avoided or reasonably foreseen by such Party;
- (ii) Such event or circumstance materially and adversely affects the ability of the affected Party to perform its obligations under this agreement, and the affected Party has taken all reasonable precautions, due care and reasonable alternative measures in order to prevent or avoid the effect of such event on the affected party's ability to perform its obligations under this Agreement and to mitigate the consequences thereof. For the avoidance of doubt, if such event or circumstance would not have materially and adversely affected the performance of the affected party had such affected party followed good industry practice, such event or circumstance shall not constitute force majeure.
- (iii) Such event is not the direct or indirect result of the failure of such Party to perform any of its obligations under this Agreement; and
- (iv) Such Party has given the other Party prompt notice describing such events, the effect thereof and the actions being taken in order to comply the relevant clause

23.2 Specific Events of Force Majeure

Subject to the provisions of the agreement, Events of Force Majeure shall include only the following to the extent that they or their consequences satisfy the above requirements:

- (i) The following events and circumstances:
 - a. Effect of any natural element or other acts of God, including but not limited to storm, flood, earthquake, lightning, cyclone, landslides or other natural disasters, and\
 - b. Explosions or fires or flood
- (ii) Public disorder, insurrection, rebellion, sabotage, riots or violent demonstrations of a local character;
- (iii) Declaration of the Site as war zone.
- (iv) Any order, regulation, directive, requirement from any Governmental, legislative, executive or judicial authority.

23.3 Notice of Events of Force Majeure

If a force majeure event prevents a party from performing any obligations under the Agreement in part or in full, that party shall:

- (i) Immediately notify the other party in writing of the force majeure events within 2 working days of the occurrence of the force majeure event
- (ii) Be entitled to suspend performance of the obligation under the Agreement which is affected by force majeure event for the duration of the force majeure event
- (iii) Use all reasonable efforts to resume full performance of the obligation as soon as practicable
- (iv) Keep the other party informed of all such efforts to resume full performance of the obligation on a regular basis
- (v) Provide prompt notice of the resumption of full performance or obligation to the other party.

23.4 Mitigation of Events of Force Majeure

The Contractor shall:

- (i) Make all reasonable efforts to prevent and reduce to a minimum and mitigate the effect of any delay occasioned by an Event of Force Majeure, including applying other ways in which to perform the agreement;
- (ii) Use its best efforts to ensure resumption of normal performance after the termination of any Event of Force Majeure and shall perform its obligations to the maximum extent practicable as agreed between the Parties; and
- (iii) Keep the Company informed at regular intervals of the circumstances concerning the event of Force Majeure, with best estimates as to its likely continuation and what measures or contingency planning it is taking to mitigate and or terminate the Event of Force Majeure.

23.5 Burden of Proof

In the event that the Parties are unable in good faith to agree that a Force Majeure event has occurred to an affected party, the parties shall resolve their dispute in accordance with the provisions of this agreement. The burden of proof as to whether or not a force majeure event has occurred shall be upon the party claiming that the force majeure event has occurred and that it is the affected party.

23.6 Termination for Certain Events of Force Majeure

If any obligation of any Party under the Agreement is or is reasonably expected to be delayed or prevented by a Force Majeure event for a continuous period of more than 1 (one) month during the Term of the Agreement, the Agreement shall be terminated at the discretion of the Company and neither Party shall be liable to the other for any consequences arising on account of such termination.

The Company reserves the right to demand the Contractor's services on holidays as well as beyond the normal working hours.

The Contractor will ensure that none of their person is engaged in any unlawful activities subversive of the Company's interest failing which suitable action may be taken against the Contractor as per the terms and condition of this order.

The Contractor shall be liable for payment of all taxes and duties as applicable, to the State/ Central Govt. or any local authority.

The Contractor's employees shall not be treated as Company's employees / persons for any purpose whatsoever & facilities/ benefits applicable to the Company's employees shall not be applicable to Contractor's employees. If due to any reasons whatsoever the Company is made liable to meet any obligation under any of the laws & enactment etc, for any reason whatsoever the same shall be recovered from the Contractor either from the present and future amount payable to him or as per law.

24. NOTICE & COMMUNICATION

Any notice or other formal communication to be given under this agreement shall be in writing and signed by or on behalf of the party giving it and shall be sent by registered post, A.D. to the addresses of Contractor or BRPL as mentioned herein above or to any other addresses as agreed by the parties, in writing from time to time.

Any notice or other formal communication can also be sent through official e-mail ID of authorized person of Contractor or BRPL.

25. SAFETY CODE

- 25.1 The Contractor shall ensure adequate safety precautions at site, as required under the law of the land to facilitate safe working, during the execution of work under agreement/work order and shall be entirely responsible for the complete safety of their workmen as well as other workers at site and premises during performance of work under agreement.
- 25.2 The Contractor shall observe the safety requirements as laid down in the agreement and in case of sub-contract/assignment (only after written approval of company), it shall be the responsibility of Contractor that all safety requirements are followed by the employees and staff of the sub-contractor.
- 25.3 The Contractor employing two hundred employees or more, including employees deputed under agreement, shall have a safety officer in order to ensure the implementation of safety requirements of the agreement and if the Contractor having lesser number of employees, including agreement workers, shall nominate one of its employees to act as safety coordinator who shall liaise with the safety officer on matters relating to safety and his name shall be displayed on the notice board at a prominent place at the work site.
- 25.4 The Contractor shall be responsible for non-compliance of the safety measures, implications, injuries, fatalities and compensation arising out of such situations or incidents.
- 25.5 In case of any accident, the Contractor shall immediately submit a statement of the same with BRPL and the safety officer, containing the details of the accident, any injury or casualties, extent of property damage and remedial action taken to prevent recurrence and in addition, the Contractor shall submit a monthly statement of the accidents to BRPL at the end of each month.
- 25.6 The contractor / safety officer shall be responsible for providing training to all staff & workers, safety compliances, testing and fitness of all T&P, PPE, annual safety audit reports etc. in line with CEA norms.

26. CONTRACTOR'S OBLIGATIONS

- 26.1 The performance of Services as completed by the Contractor shall be wholly in accordance with the Contract and fit for the purposes for which they are intended to and as defined in the Contract. The Services shall include any Service which is necessary to satisfy the Company's requirements and as implied by the Contract.
- 26.2 The Contractor shall execute the Services within the time frame for completion as specified in the order/agreement and Scope of Work. Without prejudice to the provisions of the Contract, before commencing the Services, the Contractor shall satisfy itself regarding the BRPL's requirements. The Contractor shall give notice to BRPL, within forty-eight (48) hours of the receipt of BRPL's requirements, of any error, fault or other defect in the BRPL's requirements or such items of reference.
- 26.3 The Contractor takes full responsibility for the adequacy and stability of Services to be performed at the Site.
- 26.4 The Contractor shall at all times endeavour to adopt best practices as is prevalent in like industry and shall always be required to achieve the desired quality and confirm to the schedule of Service(s) at no additional cost to the company/BRPL.

- 26.5 The Contractor is deemed to have satisfied itself as to the correctness and sufficiency of the BRPL's requirements and other terms of the Contract relating to its risks, liabilities and obligations set out in or implied by the Contract and all matters and things necessary for the proper performance of the Services.
- 26.6 The Contractor shall, whenever required by the BRPL, submit details of the arrangement and methods which the Contractor proposes to adopt for the performance of the Services. No alteration to these arrangements or methods shall be made without the approval of BRPL.
- 26.7 Contractor agrees to provide all preliminary information or data as may be required by the Company/BRPL within fifteen days of issuance of the signed LOI/Work order or as per mutually agreed timelines.
- 26.8 In case the Contractor comes across with any ambiguity and/ or discrepancy in the BRPL's requirements, it shall immediately Communicate such ambiguity and/ or discrepancy to BRPL, for seeking appropriate instructions to resolve such ambiguities and discrepancies.
- 26.9 Contractor to maintain sufficient cash flow as working capital to meet daily expenses for the Manpower.
- 26.10 The Contractor shall not use the name of the company/BRPL in any manner for credit arrangement or otherwise and it is agreed that the company/BRPL shall not in any way be responsible for any debts, liabilities or obligations of the Contractor or its Manpower.

27. INDEMNITY

The Contractor shall indemnify, defend, save and hold harmless all directors, company and its employees against any and all suits, proceedings, actions, demands and third party claims for any loss, damage, cost and expense suffered by company on account of the negligence, act or omission inaction by the Contractor or its employees under this Agreement. Agencies shall also wholly indemnify and compensate company against any theft, misappropriation, fraudulent act or omission, any collusion with customer/s, intentional recording of incorrect reading/DATA, or any other offence under the applicable laws or breach of obligation under the present agreement, and would also render itself liable to appropriate legal action being initiated against it by company.

The Contractor shall also be responsible and liable to company for any loss or damage caused to company for any negligence or inaction, damage to the property of company caused by the Contractor or its employees.

28. SECRECY & CONFIDENTIALITY

- 28.1 The technical information, data and other related documents forming part of order and the information obtained during the course of investigation under this order shall be the Company's exclusive property and shall not be used for any other purpose except for the execution of the order. The technical information drawing, records and other document shall not be copied, transferred, or divulged and/or disclosed to third party in full/part, not misused in any form whatsoever except to the extent for the execution of this order.
- 28.2 These technical information, drawing and other related documents shall be returned to the Company with all approved copies and duplicates including data/drawing/plans as are prepared by the Contractor during the executions of this order, if any, immediately after they have been used for agreed purpose.
- 28.3 In the event of any breach of this provision, the Contractor shall indemnify the Company against any loss, cost or damage or claim by any party in respect of such breach.
- 28.4 The Contractor shall not use the name/logo/emblem of the Company in any manner either for credit arrangement or otherwise and it is agreed that the Company shall not in any way be responsible for the debts, liabilities or obligations of the Contractor and/or his employees.
- 28.5 The Contractor hereby covenant that the Contractor shall be responsible for theft, if any committed, by his staff and the Contractor shall indemnify Company from and against all claims, demands, actions, suits and proceedings, whatsoever that may be brought or made against the Company by or on behalf of any person, body, authority whatsoever and whomsoever and all duties, penalties, levies, taxes, losses, damages, costs, charges and expenses and all other liabilities of whatsoever nature which the Company may be liable to

pay, incur or sustain by virtue of or as a result of the performance or non- performance or observance or non- observance by the Contractor of any of the terms and conditions of this agreement. The Company shall have full power and rights at its discretion to pay or defend or compromise any suits, claims or demands brought or made, whether pending or threatened touching upon this agreement as it may consider necessary or desirable and shall be entitled to recover from the Contractor all sums of money including all legal costs, charges and expenses incurred by virtue of any such compromises which shall not be called into question by the Contractor but shall be final and binding on the Contractor.

28.6 Contractor shall submit signed NDA as per the format 4.3 attached.

29. NON-EXCLUSIVITY

The award of the work order/agreement to the Contractor shall not preclude the Company from awarding the same order for similar work at the same rates, or on any terms and conditions to other party or parties. The Company at its discretion may place the order on any other party.

30. SEVERABILITY

If any provision of this Agreement is or becomes invalid or unenforceable by the courts of any jurisdiction to which it is subject, such invalidity or unenforceability shall not prejudice the remaining provisions of this Agreement, which shall continue in full force and effect.

31. ASSIGNMENT & SUBLETTING

The Contractor shall not, without company's prior consent in writing assign or sublet or transfer any portion of services awarded to the Contractor as envisaged herein and falling under this contract. Moreover, any such consent shall not relieve the Contractor from any obligation, responsibility, or duty under this Contract.

32. ASSIGNMENT BY THE COMPANY

The rights and obligations of BRPL under the Contract shall be assignable to Affiliates, associate company, joint venture or any other company including change in Management Control and BRPL's lenders without consent of the Contractor. Upon written notice of seven Business Days (07 days) by BRPL, the Contract shall be deemed to have been assigned to the third party under this Article. This Article fulfils its meaning notwithstanding the notice is not accepted by the Contractor and BRPL shall not be obliged to the Contractor after seven days (07) of issue of any further notice.

33. NO JOINT VENTURE

The Contractor shall not constitute a joint venture, consortium or other unincorporated grouping of two or more Persons, following the execution of the Contract.

34. WAIVER OF RIGHTS

No delay or forbearance by company in exercising any right or power under this Agreement shall be construed as a waiver of such right or power, nor shall any single or partial exercise of such right or power preclude any further exercise of such right of power.

35. THE COMPANY'S RIGHT TO VARY QUANTITIES

The Company reserves the right to vary the quantity i.e. increase or decrease the Numbers/ quantities without any change in terms and conditions during the execution of the Order. BRPL may increase or reduce the area/ scale of operations after starting of execution of the contract and the size of contract may be adjusted accordingly.

36. VENDOR CODE OF CONDUCT

Contractor confirms to have gone through the Policy of BRPL on legal and ethical code

required to be followed by Vendors encapsulated in the "Vendor Code of Conduct" displayed on the official website of BRPL (www.bsesdelhi.com) also, which shall be treated as a part of the agreement.

Contractor undertakes that he shall adhere to the Vendor code of Conduct and also agrees that any violation of the Vendor Code of Conduct shall be treated as breach of the agreement. In event of any such breach, irrespective of whether it causes any loss/damage, company (BRPL) shall have the right to recover loss/damage including liquidated damages from Contractor.

The Contractor hereby indemnifies and agrees to keep indemnified the company (BRPL) against any claim/litigation/liability/penalty including litigation cost arising out of any violation of Vendor Code of Conduct by the Contractor or its officers, agents & representatives etc.

37. DISCLOSURE OF RELATIONSHIP

The Contractor acknowledges & undertakes that the Contractor or any partner of the Contractor or director of the Contractor is not related to any of the officers of the Company or the Company's Representative, or alternatively, is a close relative of an officer of the Company or the Company's Representative and has no financial interest/stake in the Company's business. The Parties agree that breach of the above provisions shall entitle the Company to terminate the Contract under Clause 23, without payment of any compensation to the Contractor. The Contractor agrees and acknowledges and shall ensure that its employees, directors and partners do not develop any such interest during the Contract Period.

38. MSME

- 38.1 If the Contractor is covered under the definition of supplier/Contractor under the purview of Micro, Small & Medium Enterprises Development Act, 2006, it shall declare so at the time of its registration as vendor with the Company failing which it will be presumed that it is a non-MSME unit.
- 38.2 Contractor shall provide to Company the proof of classification of its enterprise and filing memorandum with the authorities concerned under the Micro, Small & Medium Enterprises Development Act, 2006 (herein referred to as "the MSMED Act") within one week of receipt of the Contract
- 38.3 The Contractor further declares and undertakes to intimate Company of any change in its status or constitution under this section from time to time under this Contract. The Contractor must provide MSME registration number along with PAN card and GST registration number on Tax Invoice failing which the Contractor shall not claim any benefit under the MSMED Act.
- 38.4 The Contractor to furnish the undertaking to the Company in this regard.

39. COVID GUIDELINES

Looking to the prevailing Covid19 situation, Contractor will ensure that the work carried out in the field by their staff shall be as per the guidelines issued by MHA / BRPL/ Engineer-in-charge from time to time. Further Contractor shall be required to provide to their staff masks/ sanitizers/ all PPEs required for working in Covid19 situation. The Contractor shall further ensure to work as per the guidelines issued by BRPL and the instruction of the Engineer in charge.

40. CLEANLINESS & PRECAUTIONS TO BE TAKEN WHILE DOING WORK AT SITE TO PREVENT DUST POLLUTION

All debris shall be removed and disposed of at assigned areas on daily basis. Surplus excavated earth shall be disposed of in an approved manner. In short, the contractor shall be fully responsible for keeping the work site clean at all times. In case of non-compliance, company shall get the same done at Contractor's risk and costs.

While carrying out any civil work including road/ pit digging, plinth/ fence making, road restoration etc. contractor shall adhere to below mentioned guidelines.

- (a) No construction material/ debris shall be stored on metalled road.

- (b) Wind breakers of appropriate height on all sides of ear marked area using CGI sheets shall be raised to ensure that no construction material dust fly outside ear marked area.
- (c) The construction material i.e. coarse sand, stone aggregates, excavated earth, cement and any other material to and from the site shall be transported under wet and covered condition to ensure their non-slippage en-route to avoid air contamination.
- (d) The contractor shall provide mask and helmet to every worker working on the construction site and involved in loading/unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
- (e) Over loading of vehicles shall be strictly prohibited
- (f) The construction material at site shall be stored under wet and covered condition.
- (g) The dumping sites for temporarily storing the excavated earth shall be properly levelled, watered and rehabilitated by plantation to avoid flying of dust.
- (h) The worker at the site shall be sensitized to adopt / observe the dust controlled measures in true spirit.
- (i) If any C&D(Construction& Demolition) waste is generated at site, the same will be transported to the C&D waste site only and the record for the same will be maintained by the agency.
- (j) Wet jet in grinding and stone cutting is being permitted at site.
- (k) The necessary record for dust control is being maintained by the department on day to day basis and being monitored regularly.
- (l) Contractor shall ensure that no tree shall be harmed and no tree roots shall be destroyed/cut while performing the task under agreement.
- (m) The contractor shall comply the provisions of The Delhi Preservation of Trees Act 1994. The Execution contractor shall be responsible for all the preventive and protective environmental steps as per guidelines. Any violations from the above guidelines have been viewed very seriously by the authorities. Contractor shall be liable for the penalties / other action by the authorities, the contractor shall indemnify BRPL from all liabilities on this account.

41. ENVIRONMENTAL, HEALTH & SAFETY

The Contractor will ensure that the Environment, Health & Safety (EHS) requirements are clearly understood and faithfully implemented at all levels at site as per instruction of Company/BRPL. Contractors must comply with the requirements, as follows:

- (i) Comply with all of the elements of the EHS Plan and any regulations applicable to the work
- (ii) Comply with the procedures provided in the interests of Environment, Health and Safety
- (iii) Ensure that all of their employees designated to work are properly trained and competent
- (iii) Ensure that all plant and equipment they bring on to site has been inspected and serviced in accordance with legal requirement and manufacturer's or supplier/Contractor s' instructions
- (iv) Make arrangements to ensure that all employees designated to work on or visit the site present themselves for site induction prior to commencement of work
- (v) Provide details of any hazardous substances to be brought onsite
- (vi) Ensure that a responsible person accompanies any of their visitors to site.

All Contractor/workers are accountable for the following:

1. Use the correct tools and equipment for the job and use safety equipment and protective clothing supplied, e.g. helmets, goggles, ear protection, etc. as required/instructed.
2. Keep tools in good condition.
3. Report to the Supervisor any unsafe or unhealthy condition or any defects in plant or equipment.
4. Develop a concern for safety for themselves and for others.

5. Prohibit horseplay.
6. Not to operate any item of plant unless they have been specifically trained and are authorized to do so.

41.1 ID CARD: No contractor will issue any ID cards to their staff on their own. All ID Cards for the workforce will be issued by BRPL Security ID Card Cell only. Contractors should maintain the records of Identity Cards of their employees and whenever any employee quits / is removed then his/her Identity card should be collected & submitted to BRPL Security ID Card Cell. Penalty will be imposed on the vendor in case of violation of the above rule. Contractors shall submit the detail list of the employees that they are going to be hire to BRPL Security before start of the contract. BRPL may review/revise ID card Policy including penalty which would be implemented during the tenure of contract. This shall be at the sole discretion of BRPL and contractor shall fully comply with this at every stage.

41.2 Measures related to the Tree Pruning, excavation near tree and construction & demolition:

Notwithstanding anything stated in the tender document, work contract or any other communication issued related to the performance of the work order awarded, it is clarified that the vendor and its associate/employees/worker, during the performance of work under this work order(s), shall ensure full compliance of the provisions of all environment laws/rules/directions by any authority including judicial authority/ regulation related to excavation near tree and construction & demolition activity, and shall mandatorily comply the following instructions:

A. Tree Pruning, Planning, Installation and Maintenance of Utility Apparatus in proximity to trees shall be done mandatorily by ensuring the following prescribed measures:

- 1) No excavation work shall be done within two (2) meters of the Tree Trunk.
- 2) Any exposed roots beyond 2 meters of the tree trunk, should be protected with dry sacking and backfilling must be done with a suitable manure mixture and/or the compost material mix as soon as possible on the completion of the works.
- 3) For any excavation to be carried out beyond the prescribed distance of 2 meters but within 3 meter from the tree trunk, manual methods (by use of hand) or by using trenchless techniques shall be preferred over use of a mechanical excavation.
- 4) No roots shall be cut during the excavation work.
- 5) Not to lean any materials against or chain mechanical plants to the trunk of the trees.
- 6) Avoid any soil contamination from oil, gasoline, paint and paint thinner or other chemicals.
- 7) No concrete or construction or repairing work shall be done at least within two (2) meter radius of the trunk of trees.
- 8) All the electric wires and high tension cables and other apparatus relating to supply of electricity shall permanently be removed from the trees branches.
- 9) The permission of the Tree Officer shall have to be taken as a mandatory condition before the initiation of any civil work, which are likely to be made within a distance of 2mts from any existing tree. In case there is non-compliance of the aforesaid condition of taking permission from the Tree Officer, the same shall entail strict penalty. Contractors are advised to ensure due compliance with the directions.
- 10) Any exposed roots beyond 2 meters of the tree trunk, should be protected with dry sacking and backfilling must be done with a suitable manure mixture and/or the compost material mix as soon as possible on the completion of the works.
- 11) For any excavation to be carried out upto 3 meter from the tree trunk, manual methods (by use of hand) or by using trenchless techniques shall be preferred over use of a mechanical excavation.
- 12) No roots shall be cut during the excavation work.
- 13) Not to lean any materials against or chain mechanical plants to the trunk of the trees.
- 14) Avoid any soil contamination from oil, gasoline, paint and paint thinner or other chemicals.

15) All the electric wires and high tension cables and other apparatus relating to supply of electricity shall permanently be removed from the trees branches.

Records to be maintained by the supervisor to demonstrate adherence to the guidelines for excavation in Proximity to the Trees:

1) Ensure pre and post photography and videography of the site demarcated for the excavation work and the same shall not be deleted/removed until securing the prior permission of the Circle head O&M.

2) While digging and upon exposure to the roots- take immediate photographs of the same and report the matter to senior officers for further guidance.

If any unauthorized layering of other cables is being carried out at the digging site by some other agency/person, then immediately capture photographs of the same and inform the seniors, who shall take suitable legal actions, if required, which includes intimating to tree officer about such unauthorized laying of wires by such agency.

B. DUST MITIGATION MEASURES FOR CONSTRUCTION & DEMOLITION ACTIVITIES

Any construction/demolition/excavation related activity performed in furtherance of the performance of work under award, be undertaken only after ensuring the Dust Mitigation Measures prescribed as follows:

1) Dust/wind breaking walls of appropriate height around the periphery of the construction site.

2) Installation of Anti Smog Gun(s) (for >20,000 m2 built up area).

3) Tarpaulin or green net on scaffolding around the area under-construction and the building.

4) All vehicles including carrying construction material and construction debris of any kind should be cleaned and wheels washed.

5) All vehicles carrying construction material and construction debris should be fully covered and protected.

6) All construction debris and construction material of any kind should be stored on the site and not dumped on public roads or pavements.

7) No loose soil or sand or Construction & Demolition Waste or any other construction material which may cause dust, shall not be left uncovered.

8) No grinding and cutting of building materials in open area. Wet jet should be used in grinding and stone cutting.

9) Unpaved surfaces and areas with loose soil should be adequately sprinkled with water to suppress dust.

10) Roads leading to or at construction sites must be paved and blacktopped i.e., metallic roads (for >20,000 m2 built up area).

11) Construction and demolition waste should be recycled on-site or transported to authorized recycling facility and due record of the same should be maintained.

12) Every worker working on construction site and is involved in loading, unloading and carriage of construction material and construction debris should be provided with dust-mask to prevent inhalation of dust particle.

13) Arrangement should be provided for medical help, investigation and treatment to workers involved in the construction of building and carry of construction material and debris relating to dust emission.

14) Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.

15) Ensure the compliance of all dust control measure.

It is clarified that BRPL has zero tolerance with respect to the non-compliance/breach of environment laws/rules/directions by any authority including judicial authority/ regulation. Accordingly, in case of breach by the vendor/its associate/employee/worker to the laws/rules as detailed above, shall be termed as serious breach to the terms of work order and BRPL shall be free to take all actions against vendor for such breach of contract including the termination of the said contract. Additionally, the vendor shall also be liable to indemnify BRPL/its Directors/Officers/Employees/Associates in full including the payment of all loss/penalties/compensation including environment compensation as imposed by any

judicial/quasi-judicial citing/alleging such breach.

The vendor shall also be under a mandate to provide an Undertaking to BRPL, which includes that the excavation, tree pruning, construction and demolition work, if performed by such vendor, the same shall be in strict adherence of all environment laws/rules/directions by any authority including judicial authority/ regulation and all the measures provided in work order/tender under the head/title "Measures related to the Tree Pruning, excavation near tree and construction & demolition".

42. ACCEPTANCE

Acceptance of the CONTRACT implies and includes acceptance of all terms and conditions enumerated in the CONTRACT, in the technical specification and drawings made available to the Contractor consisting of general conditions and complete scope of work.

Contractor's and Company's contractual obligations are strictly limited to the terms set out in the CONTRACT.

Annexure:

Undertaking from the _____ (Vendor- undertaking the excavation work)
I _____, Proprietor of M/s _____, having R/o. at _____

Has been awarded a work order no. _____, dated _____, from BSES Rajdhani Power Limited (BRPL), to carry out digging/excavation work on the stretch of road detailed in the work order.

Details of the Road cutting permission are RCP no. _____
dated _____ valid from _____ to _____ on the stretch of road detailed in the work order.

I have read the Guidelines on Excavation (as enclosed) and understood the same in sense and spirit. I assure that I shall abide with the said guidelines along with the all other provision associated with laws relating to laying of cables under the said work order.

I do hereby undertake that I shall be fully responsible for any violation of any kind and shall be liable for any cost consequences, penalty, liability, damages if imposed by any authority court citing/disputing the performance of the task.

I further undertake to indemnify BRPL its officers, directors, employees and associates from any cost consequences, penalty, liability, damages if imposed by any authority court citing/disputing the performance of the task.

I do hereby agree and confirm that forming a part of work order/agreement and breach of this undertaking shall be termed as breach of the terms of the said work order/agreement.

I have read and understood the terms of this undertaking and submitting this undertaking out of my own accord and without any coercion.

Deponent

SECTION – V :SCOPE OF WORK

SECTION-V
SCOPE OF WORK

1 GENERAL GUIDELINES

- a. Building Design shall be in accordance with the National Building Code (NBC) of India and other relevant Indian Standards.
- b. All civil works shall be carried out as per applicable Indian Laws, Standards and Codes. All materials shall be of the best quality conforming to this specification, relevant Indian Standards and Codes.
- c. The specifications are intended for a general description of work, quality and workmanship. The Specifications are not however exhaustive to cover minute details and the work shall be executed according to the relevant latest Indian Standards/IRC specifications/CPWD specifications. In the absence of the above, the work shall be executed according to the best prevailing practices in the trade, recommendations of relevant American or British Standards or to the instructions of the BSES Project Manager. The IS standards/IRC specifications/CPWD specifications to be followed are mentioned in the technical specifications attached hereto. They shall be latest edition/version of the same issued 15 days prior to the date of opening of this tender. The Contractor is expected to get himself clarified on any doubts about the specifications, etc. before bidding and the discussions recorded in writing with BRPL in respect of interpretation of any portion of this document.
- d. The Contractor shall furnish all drawings, labor, tools, equipment, materials, temporary works, constructional plant and machinery, fuel supply, transportation and all other incidental items not shown or specified but as may be required for complete performance of the Works in accordance with approved drawings, specifications and direction of BRPL.
- e. BRPL shall provide the land on as is basis; the contractor shall visit the substation site to ascertain the quantum of work, present condition of the land before submitting the offer. No request for commercial changes will be entertained post award of work due to any claim related to site condition / plot condition.
- f. The contractor shall provide all instruments, materials and personnel to BRPL for checking the detailed layout and shall be solely responsible for the correctness of the layout and levels. The contractor shall make his own arrangements for water and electricity.
- g. The Contractor shall take all necessary precautions to protect all the existing equipment's, structures, facilities & buildings, etc. from damage. In case any damage occurs due to the activities of the Contractor on account of negligence, ignorance, accidental or any other reason whatsoever, the damage shall be made good by the Contractor at his own cost to the satisfaction of the Engineer. The Contractor shall also take all necessary safety measures, at his own cost, to avoid any harm / injury to his workers and staff from the equipment & facilities of the power station.
- h. During the progress of work, the Engineer will exercise supervision of the work to ensure that the technical provisions of the contract are being followed and the work is being executed accurately and properly. However, such supervision shall in no way relieve the Contractor of the responsibility for executing the work in accordance with the specifications.
- i. Before submitting the bid, the Contractor shall inspect and examine the site and its surroundings and shall satisfy himself as to the nature of the ground and subsoil, the availability of materials necessary for completion of the work, means of access to site and in general shall himself obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect his offer. No extra claim consequent on any misunderstanding or otherwise shall be allowed.

2 DESIGN AND EXECUTION CRITERIA**2.1 Design Criteria**

- a. The minimum grade of concrete and reinforcement shall be as per BOQ.
- b. Necessary protection to the foundation work/Retrofitting Works, If required shall be provided to take care of any special requirements for aggressive alkaline soil. Black cotton soil or any other type of soil, which is detrimental/harmful to the concrete foundations.

2.2 Cement

- a. Unless otherwise specified or called for by Engineer, the fresh ordinary Portland cement conforming to IS-8112 of 1976 (latest revision) i.e. 43 grade shall be used for the works.
- b. The record of cement shall be maintained by the contractor.
- c. Cement shall be stored in a perfectly water-tight and well-ventilated site store capable of accommodating cement to ensure continuity of the work and having a raised and perfect dry floor. Each parcel or consignment of cement shall be stacked separately therein to permit easy access for inspection and a record shall be kept so that each parcel or consignment may be identified. Cement which has become stale or otherwise unsuitable and any bags or the like containing hardened lumps or cakes of cement, consequent to storage at Contractor's site stores will be rejected and shall be removed from the site and disposed of as directed by the Engineer. The cost of such rejected quantities shall be borne by the Contractor.

2.3 Concrete

- a. RMC shall be used for execution wherever feasible. Design Mix of grades of concrete as per BOQ items and wherever required as per provisions of IS: 456 and other applicable codes shall generally be used for civil work.
- b. The curing period shall commence immediately after the concrete is finally screened and continued for a period as specified by EIC. The top and side surfaces of concrete shall be kept moist and be protected from the direct rays of the sun during the period. The Contractor shall submit to the Engineer's proposals for ensuring continuous protection of the concrete during the curing period.
- c. Mix Design shall be carried along with other Raw material testing from approved lab from approved lab and same shall be submitted for BRPL approval.

2.4 Steel

The reinforcing bars shall be Fe-500D generally conform to various requirements of IS: 1786 (for High Strength deformed steel bars and wires for concrete reinforcement).

2.5 Aggregates

- a. Aggregates shall consist of natural sand, crushed stone and gravel and shall be chemically inert, strong, hard, clean, durable against weathering of limited porosity, free from deleterious materials and shall conform to the applicable standards. If so desired by the Engineer, they shall be washed and screened.
- b. Sampling and testing shall be as per the applicable standards and shall be carried out under the supervision of Engineer. The cost of all test, sampling, etc. shall be borne by the Contractor.
- c. All coarse and fine aggregates shall be stacked separately and shall avoid contamination with foreign materials. Segregates aggregates shall be rejected.

The necessary arrangements for field tests shall be done at site. The material testing register and weighing material register shall be maintained for field and lab mandatory tests by the contractor's authorized site engineer, having a degree in Civil Engineering or a minimum of three years experience with a diploma in civil engg. A copy of all the certificates shall be submitted to BSES officials.

- a. Water used for both mixing and curing shall be as per applicable standards.
- b. Potable waters are generally satisfactory. Where water can be shown to contain an excess acid, alkali, sugar or salt, the Engineer may refuse to permit its use.
- c. Water test certificate provide by the vendor.

2.6 Bricks

- a. Bricks as per CPWD specifications can only be used for masonry work. Contractor shall ascertain himself regarding the availability of bricks at site before submitting his offer.
- b. Ensure that the bricks are free from cracks, warpage and of uniform colour.
- c. Manufacturer's test report & Material Test reports for all the materials shall be submitted for approval prior to the utilization for work.
- d. Contractor shall make his own arrangements for the storage of adequate quantity of material.

2.7 Levelling, Excavation, Backfill& Compaction

- a. The area shall be properly levelled before construction. If fill material is required, the fill material shall be suitable as per the requirement & level. The fill shall be such a material and the site so designed as to prevent the erosion by wind and water of material from its final compacted position or the in-situ position of undisturbed soil. Backfill material around

foundations or other works shall be suitable for the purpose for which it is used and compacted to the density described under Compaction. If rocky strata are available at the site then the contractor has to make all the necessary arrangements for rock cutting & its disposal.

- b. The thickness of fill material under the foundations shall be such that the maximum pressure from the footing, transferred through the fill material and distributed onto the original undisturbed soil will not exceed the allowable soil bearing pressure of the original undisturbed soil. For expansive soils, the fill materials and other protections etc. to be used under the foundation are to be approved by BRPL. All the areas excavated in due course of construction must be filled by the vendor.
- c. Whenever the water table is met during the excavation, it shall be dewatered and the water table shall be maintained below the bottom of the excavation level during excavation, concreting and backfilling.
- d. Material unsuitable for the founding of foundations shall be removed and replaced by suitable fill material and to be approved by BRPL. Excavated material not suitable or not required for backfill shall be disposed of in areas as directed by BRPL. Excavation and backfill for foundations shall be in accordance with the relevant IS code.
- e. The density to which fill materials shall be compacted shall be as per, the relevant IS and as per the direction of BRPL. All compacted sand filling shall be confined as far as practicable. Backfilled earth shall be compacted to a minimum of 95% of the Standard Proctor's density at OMC. The subgrade for the roads and embankment filling shall be compacted to a minimum of 95% of the Standard Proctor's density at OMC. The cohesion-less material subgrade shall be compacted to 70% relative density (minimum).

2.8 General Requirement Site Surfacing/Stone Filling

The material required for site surfacing/stone filling shall be free from all types of organic materials and shall be of standard quality, and as approved by BRPL. The material to be used for stone filling/site surfacing shall be uncrushed/crushed/broken stone of 20 mm nominal size (ungraded single size) conforming to Table 2 of IS:383 - 1970. Hardness and flakiness shall be as required for wearing courses are given below:

- a. Flakiness Index

One test shall be conducted per 500 cum of aggregate as per IS:2386 Part-I and the maximum value is 25%.

2.9 Antiweed Treatment, Stone Spreading & PCC

- a. The Contractor shall furnish all labour, equipment and materials required for the complete performance of the work in accordance with the drawings specification and as per the direction of BRPL.

- b. Before taking up stone filling, antiweed treatment shall be applied in the specified area wherever gravel filling is to be done, and the area shall be thoroughly de-weeded including the removal of roots. The recommendation of the local agriculture or horticulture department shall be sought wherever feasible while choosing the type of chemical to be used. Nevertheless, the effectiveness of the chemical shall be demonstrated by the contractor and monitored over a period of two to three weeks by the Engineer-in-Charge. The final approval shall be given by the Engineer-in-Charge and final approval given based on the results.
- c. The antiweed chemical shall be procured from reputed manufacturers. The dosage and application of chemicals shall be strictly followed as per the manufacturer's recommendation. The contractor shall be required to maintain the area free of weeds for a period of 1 year from the date of application of 1st dose of antiweed chemicals.

2.10 TRENCH

- a. The trench shall be of M25 grade RCC type.
- b. All the material wherever required for trenches shall be supplied by contractor.
- c. Power Cable trench and Control cable trench shall be separate
- d. The factory made precast removable RCC drain covers (with lifting arrangement) as per the layout drawing shall be provided. The precast covers shall be constructed using RCC of appropriate grade of appropriate load bearing capacity as per direction of EIC.

2.11 SUBSTATION BUILDING

- a. Rolling shutter, Doors and windows with grill shall be provided in Building wherever required. Fire Doors/Fire windows shall be provided as per Fire norms/NBC. UPVC door.
- b. Green Building concept must be implemented in warehouse construction design for maximum day lighting and ventilation.
- c. Suitable toilet (both ladies & gents), connection with exiting sewerage line/Septic tank with soak pit, water supply provision shall be provided. Water and Sewer line connections to be done with running line of CIVIC agency, if approval of CIVIC agency is available.
- d. In building suitable Ramp with SS handrail shall be provided, Ramp shall be provided with Granite finish.
- e. All buildings shall have 750 mm wide plinth protection all round.
- f. Exterior paint wherever required shall be provided.

2.12 RAIN WATER HARVESTING WORKS

Suitable Rain water harvesting system shall be provided as per Delhi Jal Board norms. Adequacy certificate for the same shall be obtained from the Delhi Jal board by contractor.

3 INTERFACING

The proper coordination & execution of all interfacing civil works activities shall be planned in advance and executed in such a manner that interfacing activities do not become bottlenecks and dismantling, breakage etc. is reduced to the minimum.

4 INSPECTION, TESTING & QUALITY CONTROL

- a. Construction Quality shall be properly controlled by the contractor. The contractor shall work as per the Field Quality Plan provided by BRPL. All the Tests specified in the Field Quality Plan shall be done by the contractor.
- b. Weekly construction status will be updated by the contractor to BRPL to ensure the work progress & the construction quality.
- c. A Civil Engineer shall be deployed by the contractor for construction quality control. Civil Engineer has to review ongoing construction work and check materials and workmanship. For Supervision of execution work min 10 years of experience civil engineers shall be posted till the handing over of the work.
- d. Necessary arrangements for field tests shall be made at the site. The contractor has to do the following tests from NABL-accredited approved labs:
 - Raw material test : For Cement, sand, aggregates, water, brick, Steel, Structural steel.
 - Cube Test for compressive strength of concrete
 - 50% of the cube & Bricks to be tested in BRPL inhouse Testing Facility at BRPL Housing colony Janakpuri (Civil office)

5 STATUTORY RULES

- a. The contractor shall comply with all the applicable statutory rules pertaining to factories act (as applicable for the State). Fire Safety Rules of Tariff Advisory Committee. Water Act for pollution control and coordinate with the forest department for necessary approval prior to tree cutting.
- b. Plastering on structural members (in fire prone areas) etc. shall be made according to the recommendations of Tariff Advisory Committee.
- c. Statutory clearance and norms of State Pollution Control Board shall be followed as per Water Act for effluent quality from plant.
- d. Use of C&D waste material as per Order DPCC/EC/9311/WMC-11/2014-15/3044-3068 dt. 14.01.2020.

6 DEVIATIONS

Deviations from this Specification shall be stated in writing with the tender by reference to the Specification clause/GTP/Drawing and a description of the alternative offer. In the absence of such a statement, it will be assumed that the bidder complies fully with this specification. No deviation will be acceptable post-order.

7 TOOLS & PLANTS :

The following minimum T&P shall be deployed at the site:

1. Concrete mixing machine
2. 3 sets of vibrator
3. Plate compactor
4. Curing arrangements
5. Field Testing Equipment
6. Auto level
7. 2 nos Concrete braking machine (Hilti make)
8. PPE

Any other Tools and plants required for successful completion shall also be arranged by contractor.

8 Retrofitting Work:

Retrofitting an office building to mitigate the risk of earthquake-induced damage involves strengthening the structure to ensure its safety and stability during seismic events. This process typically includes evaluating the current structural conditions, identifying weaknesses, and applying interventions to improve the building's resistance to earthquakes. The retrofitting works are aimed at enhancing the performance of the building without compromising its functionality or aesthetic appeal. Below is a detailed scope of work for retrofitting an office building to withstand earthquake forces.

The retrofitting of an office building to safeguard it against earthquake damage requires careful planning, expert analysis, and precise execution. By strengthening key structural components, reinforcing foundations, and implementing seismic isolation techniques, the building's ability to resist seismic forces is significantly improved, reducing the risk of damage or collapse during an earthquake. A comprehensive scope of work ensures that the building remains functional and safe for its occupants, while meeting the necessary seismic safety standards.

The project will involve comprehensive civil retrofitting across several office buildings, requiring specialized expertise in structural engineering, construction, and materials.

The general scope of work for the civil retrofitting project includes, but is not limited to, the following activities:

8.1 Concrete and Masonry Repairs:

- **Concrete Repairs:** Removal of damaged or deteriorated concrete, followed by reapplication of repair materials such as high-strength concrete, epoxy, and polymer-modified mortars.
- **Waterproofing:** Comprehensive waterproofing of structural members, including basement walls, roofs, and other exposed surfaces.
- **Masonry Rehabilitation:** Repair, repointing, and reinforcement of brick and block masonry walls to restore structural integrity.
- **Seismic Reinforcements:** Installation of seismic reinforcements (such as horizontal and vertical seismic bands) in existing masonry and concrete structures to increase their ability to withstand seismic forces.

8.3 Building Facade and Exterior Works:

- **Facade Repairs:** Repair and restoration of exterior finishes, including painting, plastering, and cladding.
- **Structural Reinforcements:** Strengthening of exterior structural elements, including balconies, parapets, and exterior walls.
- **Weatherproofing:** Installation of weather-resistant coatings and materials to prevent water ingress and reduce energy consumption.
- **Repair of Boundary Wall:** Restoration and strengthening of damaged sections of the boundary wall using materials such as high-strength concrete, masonry, and appropriate reinforcements. **Removal of Damaged Pavement:** The contractor will be responsible for the removal of damaged or deteriorated CC pavements and the preparation of the site for recasting.
- **Recasting of CC Pavements:** The contractor will recast the damaged sections of the CC pavement with high-strength concrete, ensuring proper compaction, surface finish, and alignment

8.4 Renovation of Toilet Blocks:

- **Demolition and Removal:** Demolition of existing non-functional elements such as damaged sanitary fixtures, tiles, flooring, and partitions.
- **Replacement of Fixtures:** Installation of new sanitary ware, including toilets, wash basins, faucets, mirrors, and other necessary fixtures.
- **Plumbing and Drainage:** Replacement or upgrading of plumbing lines, drainage systems, and water supply systems within the toilet blocks.
- **Interior Finishing:** Installation of new tiles, flooring, partitions, and ceiling finishes as required, ensuring a clean, functional, and aesthetically pleasing result.
- **Ventilation and Lighting:** Upgrading of ventilation and lighting systems to meet modern standards.
- **Sewerage Work:** Comprehensive **sewerage work** for toilet blocks, including:
- **Replacement of Sewerage Pipes:** Removal and replacement of outdated or damaged sewerage pipes and lines to ensure proper waste disposal.
- **Drainage System Upgrades:** Upgrading of existing drainage systems, ensuring they are fully functional and meet modern standards.
- **New Sewage Connections:** If necessary, installation of new sewage connections to the municipal sewer system or to an on-site treatment plant.

8.5 Interior Modifications and Rehabilitation:

- **Interior Refurbishment:** Repair and rehabilitation of internal partitions, ceilings, and flooring.
- **Electrical Works:** Necessary modifications to electrical systems during retrofitting work to meet updated safety standards.

8.6 Miscellaneous Works:

- **Site Clean-up:** Removal of debris, waste, and surplus materials from the construction site upon completion.
- **Safety and Compliance:** Strict adherence to all relevant health and safety regulations, building codes, and environmental standards.

8.7 Chemicals to be used : Chemicals used for Retrofitting Works shall be strictly from SIKAFLOK/BASF.

SECTION – VI: PRICE BID

SECTION – VI: PRICE BID

S.No.	Description of item	Qty	Unit	Amount (in Rs. Including GST @18%)
1	PACKAGE- 1 (Detailed BOQ attached as Appendix-I)	1	LS	
2	PACKAGE-2 (Detailed BOQ attached as Appendix-II)	1	LS	
3	PACKAGE-3 (Detailed BOQ attached as Appendix-III)	1	LS	
4	PACKAGE-4 (Detailed BOQ attached as Appendix-IV)	1	LS	
5	PACKAGE-5 (Detailed BOQ attached as Appendix-V)	1	LS	
Grand Total (in Rs. Including GST @18%)				-
NOTE:				
1)	The price quoted above shall remain firm for the entire duration of the contract including the extension period, if any.			
2)	Reverse Auction (RA) is mandatory. RA methodology shall be informed separately to all the qualified bidders prior to RA.			
3)	The bids will be evaluated commercially based on the total all-inclusive package-wise price quoted by the bidders. However, BRPL reserves the right to split the work/packages for awarding the contracts to more than one bidders.			
4)	The bidder shall quote the prices strictly in the above format / item description / content. The bid shall be liable for rejection, if contractor fail to do so. If at any stage, the content is found to be changed from the given price format, the content as per the given price format will prevail and binding on the contractor.			
5)	The bidder needs to quote for all the line items as mentioned above; failing which the bids are liable for rejection. In addition to that the bidder shall provide details breakup package-wise prices in the respective attachments.			
6)	All materials are to be arranged by the contractor and test certificates are to be furnished by the contractor, wherever applicable.			

APPENDIX-1**PACKAGE 1 : DETAILED BOQ**

Following is the list of Work in Package-1:

S.NO.	Name of Work
1	Retrofitting work and other allied work in CSO, Nehru Place

Name of work:- Retrofitting work and other allied work in CSO, Nehru Place

S.No.	Description of Items	Qty.	Unit	Rate	Amount
PART-A "CIVIL WORKS"					
1	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet	82.50	Sqm		
2	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead.	400.00	Kg		
3	Dismantling PVC/wooden partition wall panelling, false ceiling including stacking of serviceable material and disposal of unserviceable material within 50 m lead/lift.	167.30	Sqm		
4	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	31.50	Cum		
5	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	101.93	Cum		
6	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	30.58	Cum		
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	10.43	Cum		
8	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand (Zone-III) derived from natural sources : 4 graded stone aggregate 12.5 mm nominal size. derived from natural sources)	14.10	Sqm		
9	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand (Zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size. derived from natural sources)	14.10	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
10	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	6.74	Cum		
11	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size) from natural sources	53.62	Cum		
12	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	108.07	Cum		
13	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	20,815.20	Kg		
14	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	38.17	Sqm		
15	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	828.69	Sqm		
16	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	391.17	Sqm		
17	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	69.27	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
18	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/ structure, upto 25 metre height, above ground level including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and / or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.	156.00	Sqm		
19	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 4 (1 cement : 4 coarse sand)	7.10	Cum		
20	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	222.20	Cum		
21	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand)	163.80	Sqm		
22	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	1,130.19	Sqm		
23	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	1,124.21	Sqm		
24	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	632.64	Sqm		
25	Neat cement punning	8.64	Sqm		
26	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	2,288.15	Sqm		
27	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 coarse sand)	33.75	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
28	Repair of damaged RCC members like lintels, beams, columns, staircases, sunshades and slabs etc. which has broken and given away by dismantling of loose/unsound portion by chiselling, cleaning of surface with wire brushes and applying a thick coat of cement slurry and filling the cavities/notches and depression with cement mortar 1:2 (1cement : 2 coarse sand + screened stone aggregate upto 6mm nominal size) in one, two or even three operations after fixing of chicken wiremesh with the old reinforcement by binding wire or by nailing whichever is feasible. Incase, the thickness of mortar exceeds 8 cm (approx), another layer of chickenmesh shall be fixed over larger area in the same manner and final coat of similar cement mortar shall be applied. Work also includes making arrangement for scaffolding etc complete.	26.00	Sqm		
29	Applying plaster of paris punning on walls up to 12 mm thickness as may be required so as the finished surface would be in plumb, plane and smooth.	632.64	Sqm		
30	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	2,467.04	Sqm		
31	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including priming coat of exterior primer applied @2.20Kg/10 Sqm).	291.75	Sqm		
32	Providing and fixing laminated PLY panel/glass partition made up of 12mm thick commercial PLY board of size upto 750X750 mm covered with 1mm thick approved laminate on all exposed surfaces of panels fixed with approved adhesive including finishing of grooves with black Japan paint. The panels to be fixed over KAIL wood frame of section 50X50mm placed not more than 750mm C/C both ways Item includes the framework of section upto 75X100mm for holding door with 8mm thick glass I/C necessary mouldings etc complete as per architectural drawing complete.	189.00	Sqm		
33	Providing and fixing aluminium Composite Panel (ACP) cladding (Al strong or indo bond make) of 4mm thickness consisting of a (.25 +2.5 +0.25) core of polyethylene sandwiched between two skins of aluminium alloy with outer surface in desired color coat of PVDF paint in fully automatic coil coating process. The PVDF coated finished surface to be factory protected with self adhesive peel off foil tested to withstand atleast 6months exposure to local weathering condition. Specially designing frame work with vertical and Horizontal members of Alum section (38 x 25 x 1.4mm) to be fixed to column and wall with designed Aluminum Brackets and Stainless steel Anchor fasteners with necessary hardware. The Gaps between the pannel to be filled with Backer rod and weather silicon of approved make for the leak proof joints for installation as per approved architect elevation drawing and other Architectural drawings/	40.00	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
	details and Architect's approval / directions complete.				
34	False ceiling in armstrong fine fissured butt edge tiles 595x595mm : Providing & fixing of armstrong fine fissured butt edge tile ceiling complete in all respects using armstrong channels, hangers etc. Item complete with all edge cut tiles and required cutting for lights, speakers, detectors, diffuses, etc. Tile code-Armstrong fine fissured NF Butt edge (RH 99E)	446.04	Sqm		
35	FALSE CEILING IN GYPSUM BOARD : P/F FALSE CEILING, DROPS, CEILING " DESIGN IN GYPSUM BOARD . PROVIDING AND FIXING AT ALL HEIGHTS FALSE CEILING OF 12.5MM THICK TAPERED EDGE GYPSUM BOARD CONFIRMING TO IS: 2095 INCLUDING PROVIDING AND FIXING OF FRAME WORK MADE OF SPECIAL SECTIONS POWER PRESSED FROM MS SHEET AND GALVANIZED IN ACCORDANCE WITH ZINC COATING 600 AS PER IS: 277 AND CONSISTING OF ANGEL CLEATS OF SIZE 25MM WIDE X 16MM THICK WITH FLANGES OF 22MM AND 37MM AT 1200 CENTER TO CENTER ONE FLANGE FIXED TO THE CEILING WITH DASH FASTENER 12.5MM DIA 40MM. LONG WITH 6MM DIA BLTS TO ANGE HANGERS OF 25X25X5MM OF REQUIRED LENGTH AND OTHER END OF ANGLE HANGER BEING FIXED WITH NUTS AND BOLTS TO GI CHANNELS 45MM X 15MM X 0.9MM RUNNING @ 1200MM C/C TO WHICH THE CEILING SECTION .5MM THICK BOTTOM WEDGE OF 80MM WITH APERED FLANGES OF 26MM EACH HAVING CLIPS OF 10.5MM AT 450MM C/C SHALL BE FIXED IN A DIRECTION PERPENDICULAR TO GI CHANNEL WITH CONNECTING CLIPS MADE OUT OF 2.64 MM DIA X 230MM LONG GI WIRE AT EVERY JUNCTION INCLUDING FIXING THE GYPSUM BOARD WITH CEILING SECTION AND PERIMETER CHANNELS OF .5MM THICK 27MM HEIGHT HAVING FLANGES OF 20MM AND 30MM.	120.00	SQM		
36	P/F Stair case railing of 0.90m avg. height comprising of 20mm square bar of length 1.05 mtr and 150mm centre to centre with 50mm dia MS pipe on top of railing including fixing of vertical bars in steps by grouting of required hold fast as per direction of Engineer - in - charge and a coat of steel primer etc complete.	44.00	Mtr		
37	Galvanized Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position all complete.	109.51	Kg		
38	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	3.38	Sqm		
39	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	64.38	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
40	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1cement : 4 coarse sand) : 25 mm thick	22.50	Sqm		
41	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kitchen paltforms, vanity counters window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) joints treated with white cement ,mixed with matching pigment, epoxy touch ups, including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab of colour black, Cherry/Ruby red. Area of slab over 0.5 Sqm	84.95	Sqm		
42	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades as approved by Engineer in Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	159.60	Sqm		
43	"Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 Kg/Sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. 18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.	566.40	Sqm		
44	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Double charge vitrified tile polished finish of size of Tile 600 x 600 mm	57.60	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
45	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	151.20	Kg		
46	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately): For Fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	27.00	Kg		
47	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size including necessary filling up the gaps at junctions ie. at top , bottom and sides with required EDPM rubber/neoprene gasket etc . Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing panelling and dash fasteners to be paid for separately.) For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately.) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, minimum anodic coating of grade AC 15)	345.60	Kg		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
48	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fasteners shall be paid for separately : Kiln seasoned and chemically treated hollock wood.	0.32	CUM		
49	P/F OF SOLID SEMI CORE SINGLE LEAF DOORS WITHOUT FRAME WITHOUT VISION " PANEL OF 30 MM THK. DOOR SHUTTERS, FINISHED WITH 1MM THK. APPROVED" " LAMINATE ON BOTH SIDE WITH ALL HARDWARE IN THE FORM OF HINGES," "HANDLES (25MM DIA - 450MM LONG) ,LOCKS OF DORSET ,DOOR CLOSERS ETC. "COMPLETE. (SIZE OF DOOR UPTO 900MM X 2200MM)	8.00	EA		
50	Melamine polishing on door frames/partition/staircase handrail. The item incudes rubbing/preparation of wood surface with waterproof sand paper and finishing with melamine polish etc. complete as per direction of Engineer-Incharge	35.28	sqm		
51	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564 embossed on the body, door weight upto 36 Kg to 80 Kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	32.00	Ea		
52	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc complete. Twin rubber stopper	32.00	Ea		
53	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	8.00	Ea		
54	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (Copper oxidized as per IS : 1378). : 250x10 mm	8.00	Ea		
55	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : (Copper oxidized as per IS 1378):. 250x16 mm	9.00	Ea		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
56	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations. (a) Applying a slurry coat of neat cement using 2.75 Kg/Sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over 20 mm thick layer of cement mortar of mix 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs (c) After two days of proper curing applying a second coat of cement slurry using 2.75 Kg/ Sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1cement :4coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge. With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	624.00	Sqm		
57	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate of 10 mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design : In 75 x75 mm deep chase	50.00	Mtr		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
58	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1cement: 3 corse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80cm and 45cm deep including CI cover with frame(light duty) 455x610mm internal dimensions, total weight of cover and frame to be not less than 38Kg (weight of cover 23Kg and weight of frame 15Kg) With common burnt clay F.P.S (non modular) bricks with class designation 7.5	1.00	Ea		
59	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 Kg/Sqm mixed with water proofing cement compound @ 0.253 Kg/Sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 Kg/Sqm mixed with water proofing cement compound @ 0.126 Kg/Sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	76.80	Sqm		
60	Providing and fixing UPVC (SWR) pipes Class B conforming to IS 13592 for soil, waste and vent pipes including all fittings rubber ring type (plain or access door) e.g. bends, junctions, cowls, offsets, access pieces etc., jointing with rubber ring joints(a) 110 mm dia	128.00	M		
61	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 75 mm diameter	16.00	Mtr		
62	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. coupler-110 mm.	20.00	Ea		
63	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	8.00	Ea		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
64	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	8.00	Ea		
65	Providing and fixing white vitreous china wall mounted water closet (European type) with seat and lid and C.P flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid. Make- Hindware	16.00	Ea		
66	Providing and fixing chrome plated wall mounted concealed flushing cistern with high and low flow knob and with all fitting. Make- Hindware, Model-Cute.	16.00	EA		
67	Providing and fixing Health faucet (hand held jet with flexible pipe) with chrome finish (make-Jaquar) for WC. Make & Model Jaquar, ALD-573	16.00	Ea		
68	Providing and fixing C.P. brass bib cock of approved quality conforming to IS standards, with health faucet inlet opening 15 mm nominal bore. Make & Model no Jaquar FLR-5041N. 2 way bib cock.	16.00	EA		
69	Providing and fixing Automatic urinal sensor with stainless steel front panel including built in filter complete in all respect including control valves etc., as per approval of Engineer-in-charge including cutting and making good the walls wherever required.(PARRYWARE MAKE, CONCEALED TYPE).	8.00	EA		
70	Providing and fixing CP Pillar Faucet (Sensor based) with chrome finish (make- Hindware, F240001) including pillar sensor of weight 1.90 kg operated on AC/DC and single hole Installation: complete job.	16.00	Ea		
71	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	90.00	M		
72	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 20 mm nominal outer dia Pipes.	140.00	M		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
73	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	10.00	M		
74	P/F of CP jalli of appd design and shape: 100 mm dia.	20.00	Ea		
75	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	8.00	Ea		
76	Providing and Fixing bevelled edge mirror of superior quality glass (Modi /Sant Gobain) complete with 6 mm thick hard board fixed to wooden cleats with cp brass screws and washers etc complete.	12.00	Sqm		
77	Providing and fixing of Greenlam/Merino/Stylam Sturdo Vibrance splendid toilet cubicle (door size 600mm width) with anti bacterial resistant 12mm thick solid compact laminate panel	16.00	EA		
78	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	8.00	EA		
79	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	16.00	Ea		
80	Making opening for Air Conditioners or Exhaust Fan of required size in walls by demolishing brick work and repairing the same by cement plaster 1:4 (1 Cement: 4 Fine sand).	2.00	Ea		
81	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 25 mm NB	4.00	Ea		
82	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore make hindware cat -F360006	16.00	Ea		
83	P/F CP brass 0.50 L liquid soap dispenser with simple push lever & brackets / fittings of same colour, fixed on walls i/c cutting of walls and making good after fixing the dispenser complete job. (Jaguar or Equivalent make).	8.00	EA		
84	Providing and fixing black granite polished stone partitions in urinals including making chase in wall and fixing the stone as per required with CC 1:2:4 as per instruction of engineer in charge.	4.00	Ea		
85	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	100.00	Mtr		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
86	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 15 mm nominal outer dia Pipes	50.00	Mtr		
87	Providing and Laying 150mm dia PVC pipe (Heavy duty-working pressure 6Kg/cm ²) of Prakash or equivalent make as per required slope for sewer line including jointing etc. complete as per direction of Engineer-in-charge (Wt. of pipe-22 Kg approx).	50.00	Mtr		
88	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2,000.00	Per Litre		
89	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock & stopper etc to be paid separately)	6.30	SQM		
90	Providing and fixing double action hydraulic floor spring with stainless steel cover for Frameless Door of approved brand and includes patch fittings, 40 mm dia-450 mm floor spring of Dorma make (Model XL-C 4001 floor spring of 120 kg capacity) including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate, the cost also of removing and refixing the old glass in working condition etc. complete as per the direction of Engineer-in-charge.	2.00	Ea		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
91	Design supply & installation of suspended Spider Glazing system designed to withstand the wind pressure as per IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider & bolt assembly with laminated glass fins 21 mm thick. The Glass fins and glass panel assembly shall be connected to Slab/beams by means of SS- 316 Grade stainless steel brackets & Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener & anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bi-metallic contacts, all complete to perform as per specification and approved drawings. The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter & in U channel of the assembly to be filled with non staining weather sealant, so as to make the entire system fully water proof & dust proof. The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, T&P, scaffolding, other incidental charges including wastage, enabling temporary services all fitting fixers nut bolts, washer, Buffer plates, fastener, anchors, SS channel laminated glass etc. all complete. For the purpose of payment, actual elevation area of Glazing including thickness of joints and the portion of Glass panel inside the SS channel shall be measured.	99.00	SQM		
92	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	35.00	Sqm		
93	Demolishing brick work manually /by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.: In cement mortar	2.21	Cum		
94	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	387.00	Ea		
95	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	131.00	Sqm		
96	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coats applied @ 1.67 ltr/ 10 Sqm) on existing cement paint surface.	1,426.00	Sqm		
97	Distemping with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.Two coats	2,229.07	Sqm		
98	Providing and fixing 8" lock set Kiara model Doorset make with stainless steel handles : Complete Job	6.00	Ea		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
99	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	46.80	Sqm		
100	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer	46.80	Sqm		
101	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	1,925.00	Ea		
102	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.	77.00	Kg		
103	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.	46.80	Sqm		
104	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	2.34	Cum		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
105	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudinal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry, stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in-charge. (Drilling of holes & shear key or bolt shall be paid separately.)	24.00	Sqm		
106	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS : 1729.	24.00	Ea		
107	Providing & fixing vitreous china Oval wash basin 570x425mm dia. for under counter mounting, specially fabricated brackets painted white, 32mm C.P.cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection complete, including cutting and making good the walls wherever required. (PARRYWARE 0418 OR APPROVED EQUIVALENT, PASTEL COLOUR)	16.00	Ea		
108	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm (weight not less than 10Kg/Sqm)	5.76	Sqm		
109	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	102.85	Cum		
SUB-TOTAL : Part-A CIVIL WORKS					
PART-B "ELECTRICAL WORKS"					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group A	95.00	Point		
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group B	141.00	Point		
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	1,191.00	Metre		
4	LUMINAIRE,LED TYPE: COOL DAY LIGHT; POWER: 36 W; VOLTAGE: 240V ; LAMP SIZE 600X600MM; ADDITIONAL INFORMATION: LED LIGHT 2X2 FEET	36.00	Each		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
5	INFORMATION: CEILING MOUNTED INTERNAL LIGHT IN ROUND SHAPE LAMP,LED,TYPE:SPOT LIGHT;POWER:12W;VOLTAGE;240V;COLOR WHITE;DIMENSION:150MM;SPECIAL FEATURES:CEILING MOUNTED;ADDITIONAL BRPL-DAP-AD-OFE OFFICE EQUIPMENTS	120.00	Each		
6	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	19.00	Each		
7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	1,271.00	Metre		
8	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 16 sq. mm + 1 X 6 sq. mm earth wire	80.00	Metre		
9	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections. testing and commissioning etc. as required. 63 Amps.	8.00	Each		
10	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 8 (4+24) way Double door.	7.00	Each		
11	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commishioning etc. as required 100 amps	7.00	Each		
12	Providing and laying 4 core 10sqmm copper armoured cable with 2 x 16 SWG earth wire.	80.00	Rmt		
13	Supplying, installing ,testing and commissioning triple pole and neutral overhead copper busbars in sheet steel enclosure in convenient sections with top and bottom covers suitable for use in ,3 phase,4 wire,415 volt,50 Hz, A.C. supply and of following rating. Complete with jointing of section. electrical connection/copper strips etc. as required.200 amps. Havells make	3.00	Each		
14	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 400 A,50 KA FP MCCB.	1.00	Each		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
15	Supplying and fixing 5 A to 32 A rating, 240/415 volts 10 kA, 'C' curve, miniature circuit breaker, suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required-Single Pole	168.00	Each		
16	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25mm	500.00	Metre		
17	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 200 A,36 KA FP MCCB.	3.00	Each		
18	Supplying, installing ,testing and commissioning triple pole and neutral overhead copper busbars in sheet steel enclosure in convenient sections with top and bottom covers suitable for use in ,3 phase,4 wire,415 volt,50 Hz, A.C. supply and of following rating. Complete with jointing of section. electrical connection/copper strips etc. as required.400 amps. Havells make	1.00	Each		
19	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	20.00	Each		
20	P/f of M.S Box 4" / 3" for 3/4 Module plate	20.00	Each		
21	Providing and fixing wall mounting revolving fan of approved (Deluxe of 16" size) make including making all necessary connections etc. complete as per directions of Engineer-in-Charge.	37.00	Each		
22	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT	95.00	Each		
23	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	26.00	Each		
24	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	114.00	Each		

25	Supply, fixing, laying of M.S. painted raceway of following sizes with top openable MS sheet cover of 3mm thick complete with junction box of all ways with suitable nos of knockout for fixing conduits directly on it, neoprene rubber packing, bends and all accessories required (separate for computer wiring and power system) in floor. It will be grouted in the floor, junction will be bigger in size. This item will involve breaking the existing floor and putting a cushion of 5cm lean PCC for leveling under the raceway 100 x 50 x 2mm thick with 3mm top cover	120.00	Mtr		
26	Earthing with copper earth plate 600 mm x 600 mm x 3 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe, of 2.7 mtr long etc. With Charcoal/coke and salt as required.	3.00	set		
27	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	12.00	Each		
28	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	60.00	Metre		
29	Providing & Laying of the 300mm x 300mm x 50 mm deep MS junction boxes of 16SWG duly powder coated type with 14 SWG MS cover	20.00	Each		
SUB-TOTAL : PART-B ELECTRICAL WORKS					
TOTAL : PART A + PART B					
ADD GST@18%					
TOTAL AMOUNT I/ GST @18%					

APPENDIX-II**PACKAGE-2 : DETAILED BOQ**

Following is the list of Work in Package-2:

S.NO.	Name of Work
1	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP
2	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN

Detailed BOQ is given below:

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
PART-A "CIVIL WORKS"							
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	Cum	17.18	0.18	17.36		
2	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	Cum	62.56	28.74	91.30		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
3	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	Cum	149.88		149.88		
4	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	119.90		119.90		
5	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	179.85	364.02	543.87		
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	17.18	6.60	23.78		
7	Providing and fixing bolts including nuts and washers complete	Kg	98.24	227.76	326.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
8	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 Kg/ Sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600mm	Sqm	521.31		521.31		
9	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	239.80	255.84	495.64		
10	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	Sqm	239.80	44.22	284.02		
11	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	2.29		2.29		
12	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	1,185.81	304.63	1,490.44		
13	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	2,061.87	304.39	2,366.26		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
14	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including priming coat of exterior primer applied @2.20Kg/10 Sqm).	Sqm	876.06	100.55	976.61		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
15	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge.d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge .With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	SQM	208.53	565.18	773.71		
NIT: CMC/BRPL/24-25/EK/CR/SS/1232			Bidder Seal & Signature				
Page 118 of 398							

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
16	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/ structure, upto 25 metre height, above ground level including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and / or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.	Sqm	960.00	1,272.00	2,232.00		
17	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	Sqm	2,018.14	360.00	2,378.14		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
18	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer	Sqm	2,018.14	360.00	2,378.14		
19	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2). 12 mm average thickness.	Sqm	2,018.14		2,018.14		
20	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	Ea	1,460.00	4,410.00	5,870.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
21	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.	Kg	58.40	176.40	234.80		
22	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10Sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.	Sqm	2,018.14	360.00	2,378.14		
23	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudinal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry , stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in-charge. (Drilling of holes & shear key or bolt shall be paid seperately.)	Sqm	269.41	55.80	325.21		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
24	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades as approved by Engineer in Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	Sqm	31.50	40.11	71.61		
25	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., (Kajaria make HSN Code 69072100)complete	Sqm	15.00		15.00		
26	Drilling suitable holes in reinforced/plain cement concrete/brick masonry/CC block masonry/stone masonry with power driven drill machine in RCC beams, lintels, columns and slabs to introduce steel bars for anchoring wire mesh including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12 mm dia.	Ea	400.00	438.00	838.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
27	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	Cum	0.33	7.56	7.89		
28	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mx 1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	Ea	7.00		7.00		
29	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	55.14	28.11	83.25		
30	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum	2.89		2.89		
31	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	Kg	22,306.44	16,333.05	38,639.49		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
32	Demolishing brick work manually /by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.: In cement mortar	Cum	44.52	4.42	48.94		
33	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	Sqm	521.31	35.00	556.31		
34	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	100.61	3.05	103.66		
35	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	4,019.19		4,019.19		
36	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	Sqm	51.85	27.84	79.69		
37	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	Sqm	12.15		12.15		
38	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	Sqm	771.15	323.78	1,094.93		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
39	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	269.41	879.03	1,148.44		
40	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	Sqm	1,151.83		1,151.83		
41	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	83.57		83.57		
42	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	101.99		101.99		
43	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	Sqm	1,040.56	97.31	1,137.87		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
44	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS: 3818 marked with necessary screws.	Sqm	7.56	13.86	21.42		
45	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	5.29		5.29		

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			Qty.	Qty.			
46	False ceiling in gypsum board : P/F false ceiling, drops, ceiling " design in gypsum board. Providing and fixing at all heights false ceiling of 12.5MM thick tapered edge gypsum board confirming to IS: 2095 including providing and fixing of frame work made of special sections power pressed from MS Sheet and galvanized in accordance with Zinc coating 600 as per IS: 277 and consisting of angel cleats of size 25mm wide X 16mm thick with flanges of 22mm and 37mm at 1200 center to center one flange fixed to the ceiling with dash fastener 12.5mm DIA 40mm long with 6mm dia blts to ange hangers of 25X25X5mm of required length and Other end of angle hanger being fixed with nuts and bolts to GI channels 45mm X 15mm X0.9mm running @ 1200mm C/C to which the ceiling section .5mm thick bottom wedge of 80mm with apered flanges of 26mm each having clips of 10.5mm at 450mm C/C shall be fixed in a direction perpendicular to GI channel with connecting clips made out of 2.64 mm dia X 230mm long GI wire at every junction including fixing the gypsum board with ceiling section and perimeter channels of .5mm thick 27mm height having flanges of 20mm and 30mm.	Sqm	287.44	36.68	324.12		
47	False ceiling in armstrong fine fissured butt edge tiles 595x595mm : Providing & fixing of armstrong fine fissured butt edge tile ceiling complete in all respects using armstrong channels, hangers etc. Item complete with all edge cut tiles and required cutting for lights, speakers, detectors, diffures, etc. Tile code-Armstrong fine fissured NF Butt edge (RH 99E)	Sqm	237.60	152.29	389.89		

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			Qty.	Qty.			
48	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately): For Fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	79.61	3.38	82.99		

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			Qty.	Qty.			
49	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size including necessary filling up the gaps at junctions ie. at top , bottom and sides with required EDPM rubber/neoprene gasket etc . Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing panelling and dash fasteners to be paid for separately.)For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately.) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, minimum anodic coating of grade AC 15	Kg	177.53	943.20	1,120.73		
50	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Ea	8.00		8.00		

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			Qty.	Qty.			
51	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564 embossed on the body, door weight upto 36 Kg to 80 Kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	Ea	6.00	10.00	16.00		
52	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc complete. Twin rubber stopper	Ea	6.00	10.00	16.00		
53	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 300x10 mm	Ea	12.00		12.00		
54	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 300x16 mm	Ea	4.00		4.00		
55	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	Ea	12.00	8.00	20.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
56	Removal of wooden modular fixtures/work station and all electrical fittings/fixtures by dismantling and there after refixing the same by using new screws/brackets as required at site complete after execution of the required work. The item includes the cost of storing the work station/fixtures and fittings in safe custody. providing new switch/socket if	Ea	25.00		25.00		
57	P/F polythene cover for protection of wooden fixtures/ fittings and carpet etc. during the execution of work.	Sqm	132.00		132.00		
58	Providing and Laying 150mm dia PVC pipe (Heavy duty-working pressure 6Kg/cm2) of Prakash or equivalent make as per required slope for sewer line including jointing etc. complete as per direction of Engineer-in-charge (Wt. of pipe-22 Kg approx).	Mtr	15.00		15.00		
59	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating Ea deposited layer by ramming , watering, etc. and disposing of surplus excavated soil as directed ,within a lead of 50 metre. All kinds of soil -Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	Mtr	15.00		15.00		
60	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) allround S.W. pipes including bed concrete as per standard design: 150 mm dia S.W. pipe	Mtr	15.00		15.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
61	Providing & fixing roller blinds screen Fabric/ blankout, off-white shade (VP-781) as per direction of EIC Mac décor/ approved make	SQM	81.00		81.00		
62	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1cement: 3 corse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80cm and 45cm deep including CI cover with frame(light duty) 455x610mm internal dimensions, total weight of cover and frame to be not less than 38Kg (weight of cover 23Kg and weight of frame 15Kg) With common burnt clay F.P.S (non modular) bricks with class designation 7.5	Ea	2.00	1.00	3.00		
63	P/F MS chequered plate i/c cutting, straightening, rounding of edges, making lifting arrangment & fixing by welding to M.S angle frame etc.	Kg	4,027.10		4,027.10		
64	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level 1:2:4 (1 Cement : 2 Coarse Sand : 4 Graded stone agg. 20 mm nominal size)	CUM	0.32		0.32		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
65	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Per Litre	55,000.00	2,000.00	57,000.00		
66	Dismantling of over head water storage tank of capacity upto 1000 litres i/c disconnection of all the inlet and outlet GI Pipe connections,plugging of pipes and disposal of unserviceable material to MCD dumping ground for all lead and lift complete job.	Ea	11.00		11.00		
67	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: R.S. Joists	Kg	3,798.03		3,798.03		
68	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead.	Kg		200.00	200.00		
69	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size) from natural sources	Cum		51.43	51.43		

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			Qty.	Qty.			
70	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum		78.25	78.25		
71	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand)	Sqm		39.00	39.00		
72	Applying plaster of paris punning on walls up to 12 mm thickness as may be required so as the finished surface would be in plumb, plane and smooth.	Sqm		97.31	97.31		
73	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm		4.33	4.33		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
74	Repair of damaged RCC members like lintels, beams, columns, staircases, sunshades and slabs etc. which has broken and given away by dismantling of loose/unsound portion by chiselling, cleaning of surface with wire brushes and applying a thick coat of cement slurry and filling the cavities/notches and depression with cement mortar 1:2 (1cement : 2 coarse sand + screened stone aggregate upto 6mm nominal size) in one, two or even three operations after fixing of chicken wiremesh with the old reinforcement by binding wire or by nailing whichever is feasible. Incase, the thickness of mortar exceeds 8 cm (approx), another layer of chickenmesh shall be fixed over larger area in the same manner and final coat of similar cement mortar shall be applied. Work also includes making arrangement for scaffolding etc complete.	Sqm		64.41	64.41		
75	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coats applied @ 1.67 ltr/ 10 Sqm) on existing cement paint surface.	Sqm		1,295.13	1,295.13		
76	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.Two coats	Sqm		3,627.53	3,627.53		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
77	P/F LAMINATED PLY PANEL/GLASS PARTITION MADE UP OF 12MM THICK COMMERCIAL PLY BOARD OF SIZE UPTO 750X750 MM COVERED WITH 1MM THICK APPROVED LAMINATE ON ALL EXPOSED SURFACES OF PANELS FIXED WITH APPROVED ADHESIVE INCLUDING FINISHING OF GROOVES WITH BLACK JAPAN PAINT. THE PANELS TO BE FIXED OVER KAIL WOOD FRAME OF SECTION 50X50MM PLACED NOT MORE THAN 750MM C/C BOTH WAYS. ITEM INCLUDES THE FRAMEWORK OF SECTION UPTO 75X100MM FOR HOLDING DOOR WITH 8MM THICK GLASS I/C NECESSARY MOULDINGS ETC COMPLETE AS PER ARCHITECTURAL DRAWING COMPLETE.	Sqm		11.52	11.52		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
78	Providing and fixing aluminium Composite Panal (ACP) cladding (Al strong or indo bond make) of 4mm thickness consisting of a (.25 +2.5 +0.25) core of polyethylene sandwiched between two skins of aluminium alloy with outer surface in desired color coat in of PVDF paint in fully automatic coil coating process. The PVDF coated finished surface to be factory protected with self adhesive peel off foil tested to withstand atleast 6months exposure to local weathering condition. Specially designing frame work with vertical and Horizontal members of Alum section (38 x 25 x 1.4mm) to be fixed to column and wall with designed Aluminum Brackets and Stainless steel Anchor fasteners with necessary hardware. The Gaps between the pannel to be filled with Backer rod and weather silicon of approved make for the leak proof joints for installation as per approved architect elevation drawing and other Architectural drawings/ details and Architect's approval / directions complete.	Sqm		30.00	30.00		
79	Galvanized Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position all complete.	Kg		105.07	105.07		
80	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	Sqm		7.20	7.20		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
81	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1cement : 4 coarse sand) : 25 mm thick	sqm		5.85	5.85		
82	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kichen paltforms, vanity counters window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) joints treated with white cement ,mixed with matching pigment, epoxy touch ups, including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab of colour black, Cherry/Ruby red. Area of slab over 0.5 Sqm	Sqm		2.90	2.90		
83	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Double charge vitrified tile polished finish of size of Tile 600 x 600 mm	Sqm		161.81	161.81		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
84	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (Copper oxidized as per IS : 1378). : 250x10 mm	Ea		2.00	2.00		
85	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : (Copper oxidized as per IS 1378): 250x16 mm	Ea		2.00	2.00		
86	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate of 10 mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design : In 75 x75 mm deep chase	Mtr		44.74	44.74		
87	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 Kg/Sqm mixed with water proofing cement compound @ 0.253 Kg/Sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 Kg/Sqm mixed with water proofing cement compound @ 0.126 Kg/Sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm		10.00	10.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
88	Providing and fixing UPVC (SWR) pipes Class B conforming to IS 13592 for soil, waste and vent pipes including all fittings rubber ring type (plain or access door) e.g. bends, junctions, cowls, offsets, access pieces etc., jointing with rubber ring joints(a) 110 mm dia	M		24.00	24.00		
89	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 75 mm diameter	Mtr		4.00	4.00		
90	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 110 mm diameter	Mtr		48.00	48.00		
91	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. coupler- 110 mm.	Ea		4.00	4.00		
92	Providing and fixing unplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	Ea		3.00	3.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
93	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	Ea		2.00	2.00		
94	Providing and fixing white vitreous china wall mounted water closet (European type) with seat and lid and C.P flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.Make- Hindware	Ea		2.00	2.00		
95	Providing and fixing chrome plated wall mounted concealed flushing cistern with high and low flow knob and with all fitting. Make- Hindware, Model-Cute.	EA		2.00	2.00		
96	Providing and fixing Health faucet (hand held jet with flexible pipe) with chrome finish (make-Jaquar) for WC. Make & Model Jaquar, ALD-573	Ea		2.00	2.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
97	Providing and fixing C.P. brass bib cock of approved quality conforming to IS standards, with health faucet inlet opening 15 mm nominal bore. Make & Model no Jaquar FLR-5041N. 2 way bib cock.	EA		2.00	2.00		
98	Providing and fixing Automatic urinal sensor with stainless steel front panel including built in filter complete in all respect including control valves etc., as per approval of Engineer-in-charge including cutting and making good the walls wherever required.(PARRYWARE MAKE, CONCEALED TYPE).	EA		2.00	2.00		
99	Providing and fixing CP Pillar Faucet (Sensor based) with chrome finish (make- Hindware, F240001) including pillar sensor of weight 1.90 kg operated on AC/DC and single hole Installation: complete job.	Ea		2.00	2.00		
100	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	M		20.00	20.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
101	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 20 mm nominal outer dia Pipes.	M		15.00	15.00		
102	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	M		10.00	10.00		
103	P/F of CP jalli of appd design and shape: 100 mm dia.	Ea		4.00	4.00		
104	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	Ea		1.00	1.00		
105	Providing and Fixing bevelled edge mirror of superior quality glass (Modi /Sant Gobain) complete with 6 mm thick hard board fixed to wooden cleats with cp brass screws and washers etc complete.	Sqm		1.50	1.50		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
106	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	EA		1.00	1.00		
107	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	Ea		2.00	2.00		
108	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 25 mm NB	Ea		2.00	2.00		
109	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore make hindware cat - F360006	Ea		2.00	2.00		
110	P/F CP brass 0.50 L liquid soap dispenser with simple push lever & brackets / fittings of same colour, fixed on walls i/c cutting of walls and making good after fixing the dispenser complete job. (Jaguar or Equivalent make).	EA		1.00	1.00		
111	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board : 610x510 mm bowl depth 200 mm.	Ea		1.00	1.00		
112	Providing and fixing black granite polished stone partitions in urinals including making chase in wall and fixing the stone as per required with CC 1:2:4 as per instruction of engineer in charge.	Ea		2.00	2.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
113	Providing and fixing double action hydraulic floor spring with stainless steel cover for Frameless Door of approved brand and includes patch fittings, 40 mm dia-450 mm floor spring of Dorma make (Model XL-C 4001 floor spring of 120 kg capacity) including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate, the cost also of removing and refixing the old glass in working condition etc. complete as per the direction of Engineer-in-charge.	Ea		2.00	2.00		
114	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	Ea		774.00	774.00		
115	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm		40.00	40.00		
116	Providing and fixing 8" lock set Kiara model Doorset make with stainless steel handles : Complete Job	Ea		2.00	2.00		
117	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS : 1729.	Ea		3.00	3.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
118	Providing & fixing vitreous china Oval wash basin 570x425mm dia. for under counter mounting, specially fabricated brackets painted white, 32mm C.P.cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection complete, including cutting and making good the walls wherever required. (PARRYWARE 0418 OR APPROVED EQUIVALENT, PASTEL COLOUR)	Ea		2.00	2.00		
119	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm (weight not less than 10Kg/Sqm)	Sqm		5.76	5.76		
SUB-TOTAL : PART-A CIVIL WORKS							
PART-B "ELECTRICAL WORKS"							
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group A	Point	12.00	20.00	32.00		
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group B	Point	20.00	38.00	58.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	140.00	379.00	519.00		
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	110.00	354.00	464.00		
5	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25mm	Metre	110.00	200.00	310.00		
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 8 way, Double door.	Each	2.00		2.00		
7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	20.00	20.00	40.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	15.00	26.00	41.00		
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	6.00	7.00	13.00		
10	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commishioning etc. as required 63 amps	Each	2.00		2.00		
11	Supplying and fixing 5 A to 32 A rating, 240/415 volts 10 kA, 'C' curve, miniature circuit breaker, suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required-Single Pole	Each	24.00	48.00	72.00		
12	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	Each	15.00		15.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
13	Supply, fixing, laying of M.S. painted raceway of following sizes with top openable MS sheet cover of 3mm thick complete with junction box of all ways with suitable nos of knockout for fixing conduits directly on it, neoprene rubber packing, bends and all accessories required (separate for computer wiring and power system) in floor. It will be grouted in the floor, junction will be bigger in size. This item will involve breaking the existing floor and putting a cushion of 5cm lean PCC for leveling under the raceway 100 x 50 x 2mm thick with 3mm top cover	Mtr	15.00	40.00	55.00		
14	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT	Each	10.00	25.00	35.00		
15	Providing and fixing wall mounting revolving fan of approved (Deluxe of 16" size) make including making all necessary connections etc. complete as per directions of Engineer-in-Charge.	Each	6.00	11.00	17.00		
16	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 4 (4+12) way Double door.	Each	2.00		2.00		
17	LUMINAIRE,LED TYPE: COOL DAY LIGHT; POWER: 36 W; VOLTAGE: 240V ; LAMP SIZE 600X600MM; ADDITIONAL INFORMATION: LED LIGHT 2X2 FEET	Each	10.00	12.00	22.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
18	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 200 A,36 KA FP MCCB.	Each	1.00	1.00	2.00		
19	Providing and laying 4 core 10sqmm copper armoured cable with 2 x 16 SWG earth wire.	Rmt	20.00	30.00	50.00		
20	INFORMATION: CEILING MOUNTED INTERNAL LIGHT IN ROUND SHAPE LAMP,LED,TYPE:SPOT LIGHT;POWER:12W;VOLTAGE;240V;COLOR WHITE;DIMENSION:150MM;SPECIAL FEATURES:CEILING MOUNTED;ADDITIONAL BRPL-DAP-AD-OFE OFFICE EQUIPMENTS	Each	20.00	28.00	48.00		
21	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections. testing and commissioning etc. as required. 63 Amps.	Each	4.00	2.00	6.00		
22	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each		4.00	4.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
23	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 16 sq. mm + 1 X 6 sq. mm earth wire	Metre		20.00	20.00		
24	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 8 (4+24) way Double door.	Each		2.00	2.00		
25	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commissioning etc. as required 100 amps	Each		2.00	2.00		
26	Supplying, installing ,testing and commissioning triple pole and neutral overhead copper busbars in sheet steel enclosure in convenient sections with top and bottom covers suitable for use in ,3 phase,4 wire,415 volt,50 Hz, A.C. supply and of following rating. Complete with jointing of section. electrical connection/copper strips etc. as required.200 amps. Havells make	Each		1.00	1.00		
	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	Each		6.00	6.00		
27	P/f of M.S Box 4" / 3" for 3/4 Module plate	Each		10.00	10.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
28	Earthing with copper earth plate 600 mm x 600 mm x 3 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe, of 2.7 mtr long etc. With Charcoal/coke and salt as required.	set		1.00	1.00		
29	Providing & Laying of the 300mm x 300mm x 50 mm deep MS junction boxes of 16SWG duly powder coated type with 14 SWG MS cover	Each		6.00	6.00		
SUB-TOTAL : PART-B ELECTRICAL WORKS							
TOTAL : PART A + PART B							
ADD GST@18%							
TOTAL AMOUNT I/C GST @18%							

APPENDIX-III**PACKAGE-3 : DETAILED BOQ****Following is the list of works in Package-3**

S.NO.	Name of Work
1	Retrofitting work in O&M office at W Block ,GK-1 office, Div- NHP
2	Retrofitting work in Cash Office and EHV office at Lajpat Nagar near (Alankars 3C's), Div - NHP
3	Retrofitting works of S/stn bldg at sector-3 Pushp Vihar Div-SKT
4	Retrofitting Work in Type - V flat at West end colony, Div-RKP
5	Retrofitting work in Type-V flat at F-30B,NDSE-I,South Extension, Div - HKS
6	Retrofitting work in Furniture Store at Jangpura, Div - NZD
7	Retrofitting work in Store & Complaint center at Jangpura, Div - NZD
8	Retrofitting work in Type-5 flat at Ayurvigyan Nagar, Div - HKS
9	Retrofitting and repair works of S/stn building at 33kV Grid S/stn R.K. Puram- I.
10	Retrofitting works at 33 kV grid S/stn Andheria Bagh.

Detailed BOQ is as under:

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
PART-A "CIVIL WORKS"															
1	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	Cum	55.08		15.57	22.46	37.13	30.38			2.00		162.62		
2	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	44.06			13.85	29.83	30.38			3.20	65.94	187.26		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
3	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115	SQM	251.37	137.73	240.30	99.98	127.60	405.38	62.56	31.32			1,356.24		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge.d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	curing and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge :With average thickness of 120 mm and minimum thickness at khurra as 65 mm.														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
4	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	Sqm	218.96		117.69	163.00	262.00				89.08	228.70	1,079.43		
5	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of	Sqm	2.42		117.69	163.00	262.00				89.08	228.70	862.89		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer														
6	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is	Sqm	2.42		117.69	163.00	262.00				73.84	436.47	1,055.42		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2). 12 mm average thickness.														
7	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with	Sqm	218.96			163.00	262.00				48.04	228.70	920.70		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.														
8	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudenal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry , stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in- charge. (Drilling	Sqm	203.29	131.33	117.69	108.68	121.50	64.88	141.15	30.30	42.47		961.29		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	of holes & shear key or bolt shall be paid seperately.)														
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	0.00			3,950.92							10,168.10		
10	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	Sqm	232.90			194.69	160.99	72.00		168.78			829.36		
11	Centring and shuttering including strutting, propping etc. and removal of form	Sqm	203.29	175.10	106.89	278.10	161.87	173.93	200.70	39.37	84.93	228.70	1,652.88		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	for Lintels, beams, plinth beams, girders, bressumers and cantilevers.														
12	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	Sqm	38.86			12.48	10.56	16.20					78.10		
13	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	8.16			16.64	13.93	6.08		11.60	0.50	1.50	58.41		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
14	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	15.91			7.55	6.60	9.79				0.58	40.43		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
15	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	Ea		964.00	1,784.00	509.00	558.00				31.04	88.00	3,934.04		
16	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable	Kg		38.56	53.52	21.00	23.00				1.24	1.12	138.44		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.														
17	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	Cum	4.08		0.78	2.64	2.64			0.32	0.51	75.79	86.76		
18	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	Cum	75.41	41.32	28.84	26.35	38.28		62.56				272.76		
19	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres	Sqm	203.29	131.33		108.68	121.50	64.88	150.53		435.00	436.47	1,651.68		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	lead.														
20	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	10.94	9.18	1.37	2.64	2.64	4.73	4.44	5.08	0.50	30.61	72.13		
21	Providing and fixing bolts including nuts and washers complete	Kg	1,612.00	299.52	337.70	259.00	298.00	122.72	299.52	80.08	72.29	135.46	3,516.29		
22	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement	Sqm	295.25	113.63	54.08	122.54	122.54		132.20	115.48		9.32	965.04		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 Kg/ Sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600mm														
23	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	131.34	111.15		63.00	51.00		25.00	100.87			482.36		
24	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	Sqm	131.34	174.60	24.26	63.00	51.00		25.00	74.82	24.17	142.60	710.79		
25	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	1,538.80	543.31	752.62	776.00	802.54	1,008.86	998.04	258.20	514.75	724.41	7,917.53		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
26	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	2,322.39	1,085.30	192.01	923.00	958.00	1,339.79	832.23	353.46	554.84	1,678.07	10,239.09		
27	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including priming coat of exterior primer applied @2.20Kg/10 Sqm).	Sqm	783.59	541.99	741.74	762.00	791.79	330.94	666.41	141.29	40.08	906.23	5,706.06		
28	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/ structure, upto 25 metre height, above ground level including additional rows of scaffolding in	Sqm	448.19			272.00	310.00				124.21	366.52	1,520.92		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	stepped manner as per requirement of site, made with 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and / or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc, wherever required, if feasible, for inspection of work at required														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.														
29	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-In-charge.	Sqm	13.84										13.84		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
30	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve	CUM	48.81					63.69					112.50		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum). All works above plinth level upto floor V level														
31	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades as approved by Engineer in Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with	Sqm	21.00	40.60		37.87	37.87		40.60		46.70		224.64		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	pigment . Kajaria Make C-VIGO LIGHT HSN CODE 69072100														
32	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., (Kajaria make HSN Code 69072100)complete	Sqm	6.00	21.00		10.25	10.33		12.00		10.38		69.96		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
33	Drilling suitable holes in reinforced/plain cement concrete/brick masonry/CC block masonry/stone masonry with power driven drill machine in RCC beams, lintels, columns and slabs to introduce steel bars for anchoring wire mesh including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12 mm dia.	Ea	3,100.00		1,810.00	87.00	647.00				60.00		5,704.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
34	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	Cum	4.08		5.88						2.40	22.87	35.23		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
35	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mx 1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	Ea	7.00	4.00		6.00	6.00		4.00		3.00		30.00		
36	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	30.21	12.42	5.77	14.42	11.80			23.53	1.96	3.77	103.88		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
37	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum	4.31	4.66							0.50	14.71	24.18		
38	Demolishing brick work manually /by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.: In cement mortar	Cum	34.51	9.32		14.42	11.80			5.30		7.89	83.24		
39	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	Sqm	295.25	113.63	39.14	154.42	154.42		132.20	36.54	6.00	4.48	936.08		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
40	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	113.46	79.37	52.50	25.00	25.00		100.61	50.00			445.94		
41	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	351.88	673.80	150.89	94.80	189.60		20.90	750.31	50.00	101.74	2,383.92		
42	Painting with synthetic enamel paint of approved brand and manufacture to	Sqm	67.36	184.39		98.06	98.06	43.00	121.40	24.40			636.67		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	give an even shade. Two or more coats on new work.														
43	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	Sqm	12.15		15.98			405.38	279.08	79.03	9.15	18.69	819.46		
44	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	Sqm	473.19	196.99	26.22	324.12	297.06	610.16	500.67	96.45		33.49	2,558.35		
45	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 25 mm thick (for cupboard)	Sqm	17.01	18.90					7.56				43.47		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	including ISI marked nickel plated bright finished M.S. Piano hinges IS: 3818 marked with necessary screws.														
46	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	13.75	13.13	0.48			9.19	11.29	2.27	1.00	3.02	54.13		
47	Providing/fixing by welding (IRC fabric) welded mesh of size 25x75 mm of weight not less than 7.75 kg/ sqm to the frame of MS angles, tees, etc. including priming coat of approved	KG	275.13							189.11			464.24		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	brand.														
48	Providing and fixing M.S. Sheet of required thickness to M.S frames by welding. (The cost includes the cost of M.S. sheet, cutting, straightening, labour, cartage, welding rods, hire charges of welding machine etc. complete) as per direction of Engineer-In-Charge.	Kg	29.87						42.63				72.50		
49	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC	Mtr	10.00	25.00	35.00	30.00	40.00		5.00	75.00			220.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 20 mm nominal outer dia Pipes.														
50	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the	Mtr	10.00	20.00					5.00				35.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 15 mm nominal outer dia Pipes.														
51	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 110 mm diameter	Mtr	20.00	80.00	16.80	33.60	33.60		20.00	20.00			224.00		
52	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave,	Ea	11.00		21.00	10.00	5.00				19.00	8.00	74.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below														
53	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564 embossed on the body, door weight upto 36 Kg to 80 Kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	Ea	6.00	2.00	9.00				2.00	12.00	4.00		35.00		
54	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade	Ea	9.00	10.00	11.00				6.00		4.00	7.00	47.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	with necessary screws etc complete. Twin rubber stopper														
55	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 300x10 mm	Ea	18.00	20.00					12.00				50.00		
56	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 300x16 mm	Ea	9.00	10.00					4.00		8.00		31.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
57	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	Ea	18.00	20.00					12.00		20.00	12.00	82.00		
58	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms: 15 mm nominal bore	Ea	6.00	8.00	4.00	2.00	2.00		4.00	10.00	2.00		38.00		
59	Removal of wooden modular fixtures/work station and all electrical fittings/fixtures by dismantling and there after refixing the same by using new screws/brackets as required at site complete after execution of the	Ea	25.00	50.00					25.00				100.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	required work. The item includes the cost of storing the work station/fixtures and fittings in safe custody. providing new switch/socket if required.														
60	P/F polythene cover for protection of wooden fixtures/ fittings and carpet etc. during the execution of work.	Sqm	132.00	264.00					132.00				528.00		
61	Providing and fixing precoated galvanised iron profile sheets. (size shape make and pitch of corrugation as approved by Engineer in-charge) 0.50 mm (+0.05%) total coated thickness with zinc coating 120 grams per Sqm as per IS:277, in 240 mpa steel grade 5-7 microns epoxy primer on both side of the sheet and polyster top coat 15-18	Sqm	117.00							86.17			203.17		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	microns. Sheet should have protective guard film of 25microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer -in-charge The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.														
62	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in	Cum	0.45								0.50		0.95		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	charge. Nominal concrete : 1:4:8 or leaner mix (i/c equivalent design mix)														
63	Providing and Laying 150mm dia PVC pipe (Heavy duty-working pressure 6Kg/cm2) of Prakash or equivalent make as per required slope for sewer line including jointing etc. complete as per direction of Engineer-in-charge (Wt. of pipe-22 Kg approx).	Mtr	15.00	25.00	11.50				15.00	20.00			86.50		
64	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil	Mtr	15.00	25.00					15.00				55.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	as required, in layers not exceeding 20 cm in depth, including consolidating Ea deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed ,within a lead of 50 metre. All kinds of soil -Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.														
65	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) allround S.W. pipes including bed concrete as per standard design: 150 mm dia S.W. pipe	Mtr	15.00	25.00					15.00				55.00		
66	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation	CUM		2.76	5.55			17.33	2.76	2.01			30.41		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	and plinth in cement mortar 1 : 4 (1 cement : 4 coarse sand)														
67	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in- charge, with reinforced barbed tape(R.B.T.) / Spring core	Mtr		27.00						55.00	120.00		202.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	(2.5mm thick) wire of high tensile strength of 165 Kg/ sq.mmwith tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S.angle, C.C. blocks shall be paid separately).														
68	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern and C.P flush bend with fittings & C.I. brackets, 40 mm flush bend, over-flow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings	Ea		2.00						4.00			6.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.														
69	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and GI clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: Range of two urinal basins with 5 litre white P.V.C. automatic	Ea		2.00							1.00		3.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	flushing cistern														
70	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required : White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers.	Ea		2.00	2.00					4.00			8.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
71	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size	Ea		2.00	3.00					2.00			7.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	90x80cm and 45cm deep including CI cover with frame(light duty) 455x610mm internal diamensions, total weight of cover and frame to be not less than 38Kg (weight of cover 23Kg and weight of frame 15Kg) With common burnt clay F.P.S (non modular) bricks with class designation 7.5														
72	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with pre-cast R.C.C. vertical grating complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Nos		2.00						3.00			5.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
73	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm		89.06					59.19	122.50			270.75		
74	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level	Cum			2.38				40.12		0.38	2.61	45.49		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).														
75	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Cold twisted bars	Kg			814.03					3,479.03			4,293.06		
76	12 mm cement plaster of mix 1:4 (1 cement : 4 fine sand)	Sqm			49.78			15.00			47.49	188.99	301.26		
77	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping,	Sqm			1,494.36	923.00	958.00				483.18	1,128.99	4,987.53		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.														
78	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size including necessary filling up the gaps at junctions ie. at top , bottom and sides with required EDPM rubber/neoprene gasket etc . Aluminium sections shall be smooth, rust free, straight, mitred	Kg			83.16					208.79			291.95		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing panelling and dash fasteners to be paid for separately.) For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/neoprene gasket required (Fittings shall be paid for separately.) Anodised aluminium (anodised														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	transparent or dyed to required shade according to IS: 1868, minimum anodic coating of grade AC 15)														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
79	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling,	Kg			9.36								9.36		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	C.P.brass/stainles s steel screws, all complete as per architectural drawings and the directions of Engineer-in- charge. (Glazing, panelling and dash fasteners to be paid for separately): For Fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)														
80	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in- charge . (Cost of	Sqm			13.44							36.66	50.10		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	aluminium snap beading shall be paid in basic item). With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)														
81	Providing and fixing ISI marked flush door shutters confirming to IS: 2202 (part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters : 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm			23.35	18.90	18.90			22.68			83.83		
82	Providing & fixing decorative high pressure laminated sheet of plain / wood grain in gloss/matt/ suede finish with	Sqm			36.54					45.36			81.90		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046, Type S including cost of adhesive of approved quality 1.0 mm thick.														
83	Providing and fixing chromium plated brass 100mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Ea			7.00					12.00			19.00		
84	Providing and fixing stainless steel door Handles of approved quality and design having 25mm dia rod of semi glass finish- 450mm long	Pair			11.00								11.00		
85	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10	Ea			3.00	4.00	4.00					6.00	17.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : 250x16 mm														
86	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 250x10 mm	Ea			18.00	4.00	4.00					10.00	36.00		
87	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with	Sqm			7.18								7.18		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover.														
88	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal	Sqm			25.00								25.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 fine sand)														
89	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	Cum			18.42								18.42		
90	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineerin-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of	Sqm			29.32					9.36			38.68		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3Kg per Sqm, including pointing in white cement mixed with pigment of matching shade complete.														
91	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 Kg/Sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm			9.82							4.48	14.30		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
92	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kichen paltforms, vanity counters window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) joints treated with white cement ,mixed with matching pigment, epoxy touch ups, including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab of colour black, Cherry/Ruby red. Area of slab over 0.5 Sqm	Sqm			6.29					9.77			16.06		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
93	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 Kg/Cum. Excess/less cement used as per design mix is payable/recoverable separately).	Cum			12.50								12.50		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
94	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	Mtr			20.00	70.96	141.92			80.00	15.00		327.88		
95	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore : 15 mm nominal bore	Ea			14.00	3.00	3.00			10.00	5.00		35.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
96	Providing and fixing brass stop cock of approved quality: 15 mm Nominal bore	Ea			4.00								4.00		
97	Providing and fixing PTMT pillar cock of approved quality and colour 15mm nominal bore, 125mm long, foam flow. weighing not less than 120 gms.	Ea			2.00								2.00		
98	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. flexible pipe 32 mm dia.	Ea			5.00						3.00	2.00	10.00		
99	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 100 mm outlet Sand Cast Iron S&S as per IS :	Ea			7.00	4.00	12.00						23.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	1729.														
100	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	Ea			7.00	8.00	8.00				3.00		26.00		
101	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	Ea			1.00								1.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
102	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fitting and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan.of size 580x440 mm with integral type foot rests.	Ea			1.00								1.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
103	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	Ea			1.00								1.00		
104	Providing and Fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick	Ea			2.00						0.45	0.90	3.35		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	hard board ground fixed to wooden cleats with cp brass screws and washers etc complete.														
105	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Per Litre			1,000.00	1,000.00	2,000.00			2,000.00	1,000.00		7,000.00		
106	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non	Ea			1.00								1.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	modular) bricks of class designation 7.5														
107	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in- charge.	Ea			2.00								2.00		
108	Supply, precast RCC trench cover of various size varying 1500 mm in length, 450 mm in width & 50 mm in thickness, with 3 mm thick 50mm wide, ms strip all around welded to the steel reinforcement bar of 6mm dia, 100	Sqm			11.25								11.25		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	mm centre to centre & two no. hooks of 12 mm dia bar for lifting gaving finishing top surface & grade of cement concrete M-20.														
109	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1cement : 4 coarse sand) : 25 mm thick	Sqm			5.00	24.48	24.48						53.96		
110	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:2:4 (1 cement : 2 coarse	Cum				0.90	0.90						1.80		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)														
111	Demolishing R.C.C. work manually /by mechanical means including stacking of steel bars and disposal of unservicable material within 50 metres lead as per direction of Engineer-In- charge.	Cum				17.64					2.02	0.40	20.06		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
112	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as	Cum				20.16				20.03			40.19		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 Kg /Cum														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
113	Repair of damaged RCC members like lintels, beams, columns, staircases, sunshades and slabs etc. which has broken and given away by dismantling of loose/unsound portion by chiselling, cleaning of surface with wire brushes and applying a thick coat of cement slurry and filling the cavities/notches and depression with cement mortar 1:2 (1cement : 2 coarse sand + screened stone aggregate upto 6mm nominal size) in one, two or even three operations after fixing of chicken wiremesh with the old reinforcement by binding wire or by nailing	SQM				9.03	9.03					62.16	80.22		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	whichever is feasible. In case, the thickness of mortar exceeds 8 cm (approx), another layer of chicken mesh shall be fixed over larger area in the same manner and final coat of similar cement mortar shall be applied. Work also includes making arrangement for scaffolding etc complete.														
114	Painting with aluminium paint of approved brand and manufacture to give an even shade. Two or more coats on new work	Sqm				37.80	37.80						75.60		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
115	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3 mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1Cement : 3 Coarse Sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer excluding the cost of metal beading and other fittings	Sqm				4.32	4.32						8.64		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	except necessary hinges or pivots as required. Windows side Hung														
116	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 Cement : 3 Coarse Sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips	Sqm				1.44	1.44						2.88		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer excluding the cost of metal beading and other fittings except necessary hinges or pivots as required. Ventilators Top Hung														
117	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm (weight not less than 10Kg/Sqm)	Sqm				8.10	8.10						16.20		
118	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws	Ea				4.00	4.00						8.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	etc. complete : (Copper oxidized as per IS : 1378). : 125 mm														
119	Providing and fixing by welding 65 mm size M.S. Hinges made out of 5mm thick M.S. sheet i/c nuts, bolts etc. complete to M.S. angles/channels as approved by Engineer-In- Charge . The cost is inclusive of material, cartage, welding etc. complete job.	Ea				30.00	30.00						60.00		
120	Providing and fixing 60 cm long PVC rain water spout in proper line and level in cement mortar 1:4 (1 cement : 4 fine sand) in the existing khurra level, dismantling wall/ pipe and making hole of required size for fixing of pipe, filling CC 1:3:6 (1cement :3 coarse sand : 6 graded stone	EA				6.00	6.00				3.00		15.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	aggregate 20mm nominal size) between wall and pipe, plastering both sides of walls with cement mortar 1:4 (1 cement :4 fine sand)and making the pipe joint leak proof. (PVC pipe should be of Prakash or equivalent make) 150 mm dia.														
121	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1cement : 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm				10.08	10.08						20.16		
122	Providing and fixing C.P. brass stop cock (concealed) of	Ea				10.00	10.00			10.00	2.00	2.00	34.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	standard design and of approved make conforming to IS:8931: 15 mm nominal bore.														
123	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour & disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge. Long pattern W.C Pan of size 580x440 mm	Ea				2.00	4.00						6.00		
124	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm	Ea				16.00	16.00						32.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	dia														
125	Dismantling broken W.C. pot/urinal/Wash basin including dismantling flooring, disconnecting G.I. inlet connection, flush pipe, traps etc. and disposal of rubbish to M.C.D. dumping ground complete.	Ea				8.00	16.00				3.00		27.00		
126	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : white vitreous china wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	Ea				4.00	4.00				1.00		9.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
127	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board : 610x510 mm bowl depth 200 mm.	Ea				2.00	4.00						6.00		
128	Dismantling and refixing steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats.	Kg				200.00	200.00						400.00		
129	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	Kg					2,464.13	7,603.38	4,011.82		262.40	5,186.50	19,528.23		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
130	Providing and fixing aluminium Composite Panal (ACP) cladding (Al strong or indo bond make) of 4mm thickness consisting of a (.25 +2.5 +0.25) core of polyethylene sandwiched between two skins of aluminium alloy with outer surface in desired color coatin of PVDF paint in fully automatic coil coating process. The PVDF coated finished surface to be factory protected with self adhesive peel off foil tested to withstand atleast 6months exposure to local weathering condition. Specially designing frame work with vertical and Horizontal members of Alum section (38 x 25 x 1.4mm) to be fixed to column and wall	Sqm					19.76						19.76		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	with designed Aluminum Brackets and Stainless steel Anchor fasteners with necessary hardware. The Gaps between the pannel to be filled with Backer rod and weather silicon of approved make for the leak proof joints for installation as per approved architect elevation drawing and other Architectural drawings/ details and Architect's approval / directions complete.														
131	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet	Sqm					9.88			10.50			20.38		
132	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement : 4 fine sand)	SQM						15.00					15.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
133	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more.	CUM						30.00			50.00	15.00	95.00		
134	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains	Cum								28.05	2.00	82.43	112.48		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	(not exceeding 1.5 m in width or 10 Sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil. as directed, within a lead of 50 m. All kinds of soil.														
135	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	Cum								8.42			8.42		
136	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and	Ea								9.00	2.00	2.00	13.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	stacking within 50 metres lead: Of area beyond 3 sq. metres														
137	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : Old Work (two or more coats).	Sqm								554.42			554.42		
138	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coats applied @ 1.67 ltr/ 10 Sqm) on existing cement paint surface.	Sqm								727.24			727.24		
139	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades as approved by Engineer in Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3	SQM								34.20			34.20		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	(1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment . Kajaria Make C-VIGO LIGHT HSN CODE 69072100														
140	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., (Kajaria make HSN Code 69072100)complete	SQM								17.55			17.55		
141	Extra for fixing marble /granite stone over and above corresponding	Mtr								9.77		7.20	16.97		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. complete.														
142	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm								9.18		5.14	14.32		
143	Extra for providing and placing in position 2 No. 6 mm dia M.S bars at every third course of half brick masonry	Sqm								9.18			9.18		
144	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia &	Cum								0.44			0.44		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	length (hold fast lugs or dash fasteners shall be paid for separately : Kiln seasoned and chemically treated hollock wood.														
145	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 200x10 mm	Ea								24.00			24.00		
146	Providing and fixing bright finished brass handles with screws etc. complete: 125 mm	Ea								24.00			24.00		
147	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Ea								12.00			12.00		
148	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm,	Ea								4.00			4.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board-510x1040 mm bowl depth 200 mm														
149	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	Ea								10.00	6.00	3.00	19.00		
150	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms : 15 mm nominal bore.	Ea								10.00		1.00	11.00		
151	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A	Ea								10.00			10.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. coupler-75 mm														
152	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. coupler- 110 mm.	Ea								10.00			10.00		
153	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring	Ea								10.00			10.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Single tee with door-75x75x75 mm.														
154	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Single tee with door-110x110x110 mm.	Ea								10.00			10.00		
155	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring	Ea								10.00			10.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	conforming to IS : 5382 leaving 10 mm gap for thermal expansion. shoe (Plain) 75 mm.														
156	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessorie s for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion: shoe (plain) 110 mm.	Ea								10.00			10.00		
157	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal	Mtr								20.00			20.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	expansion. (i) Single socketed pipes: 75 mm diameter														
158	FALSE CEILING IN POP PUNNING : P/F FALSE CEILING, DROPS, CEILING DESIGN BY. PROVIDING AND FIXING AT ALL HEIGHTS FALSE CEILING OF PLASTER OF PARIS PUNNING INCLUDING PROVIDING AND FIXING OF FRAME WORK MADE OF SPECIAL G.I. SECTIONS AND GALVANIZED IN ACCORDANCE WITH ZINC COATING 600 AS PER IS: 277 AND CONSISTING OF ANGEL CLEATS OF SIZE 25MM WIDE X 16MM THICK WITH FLANGES OF 22MM AND 37MM AT 300 TO 450 CENTER TO	SQM								63.70			63.70		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	CENTER AND G.I. JALI AS PER DESIGN HAVING Wt. 0.70 KG / SQM. SUPPORT FLANGE FIXED TO THE CEILING WITH DASH FASTENER 12.5MM DIA 40MM														
159	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :2nd class teak wood 50x12 mm	M								106.88			106.88		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
160	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 Kg/Sqm mixed with water proofing cement compound @ 0.253 Kg/Sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 Kg/Sqm mixed with water proofing cement compound @ 0.126 Kg/Sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment	Sqm								15.12			15.12		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.														
161	Providing & fixing roller blinds screen Fabric/blankout, off-white shade (VP-781) as per direction of EIC Mac décor/ approved make	Sqm								21.60			21.60		
162	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick	Sqm								3.78			3.78		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 Kg/ Sqm including grouting the joints with white cement and matching pigments etc., complete.														
163	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume with which hardening compound mixed @ 2 litre per 50 Kg of cement or	Sqm									10.27		10.27		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete														
164	Providing and fixing glass strips in joints of terrazo/cement concrete floors. - 40 mm wide and 4 mm thick.	Mtr									25.65		25.65		
165	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	SQM									82.57	319.98	402.55		
166	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	KG									46.00	1,342.80	1,388.80		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
167	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete : Red sand stone slab 40 to 50 mm thick	Sqm									3.75		3.75		
168	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary	Ea									1.00		1.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge. Orissa pattern W.C Pan of size 580x440 mm														
169	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 15 mm nominal outer dia Pipes	M									20.00	10.00	30.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
170	P/F of CP jalli of appd design and shape: 100 mm dia.	Ea									5.00		5.00		
171	Trimming of any no. of branches of any size of any type of tree overhanging on building / terrace so as to keep them away from building by at least 2.00 mtr at the time of trimming in such a way that they do not fall on the bldg, terrace, GI/ACC shed, live transformer, electric/telephone wire by any means Use axe, saw, ropes etc. as per site conditions. The trimmed material to be disposed to the MCD bin by any means. Nothing shall be allowed to be burnt or flamed.	Ea									3.00		3.00		
172	Dismantling of PVC flooring of area up to 100 sqm by scraping/streching	LS									1.00		1.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	/cutting with necessary tools including disposal of rubbish upto 50 m lead.														
173	<p>Providing and applying of approved make self-leveling epoxy coating at your plant with Specification as follows:</p> <ul style="list-style-type: none"> • Scraping the complete area with the help of mechanical means or suitable method and grinding the floor with the help of floor grinding machine (dry grinding) to remove all dirt debris and loosely bonded epoxy coating . • Application of Primer @ 200gm/sqm on the treated surface • Application of screed 2mm @ 2.5kg/sqm. • Final coat of Self leveling 2mm @2.5kg/sqm to attain the desired 	Sqm									147.28		147.28		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	finish														
174	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kichen paltforms, vanity counters window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) joints treated with white cement ,mixed with matching pigment, epoxy touch ups,	Sqm									3.79		3.79		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj nagar plain white marble/Udaipur green marble/Zebra black marble. Area of slab over 0.5 Sqm														
175	Making the opening in brick masonry including dismantling in floor or wall by cutting masonry making good the damages to walls, flooring and jambs complete to match the existing surface including disposal of malba/rubbish to the nearest municipal dumping ground. For door/window/celer story window	Ea									2.00	6.00	8.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
176	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for	KG									113.45	219.92	333.37		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in- charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
177	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass /	KG									136.24	153.99	290.23		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron).														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
178	Providing and fixing Curtain Glazing using Double Glazed Unit which shall be hermetically insulated (6mm thick heat reflective, toughened, hard coated colour glass on outside and 6 mm thick clear toughened glass on inside with 12 mm air gap fixed using aluminium extruded sections). The framing system shall use aluminum of grade 63400 WP IS: 733 and ID: 1285, pure polyester powder coated, 65microns in approved colour and shade fixed through adequately designed MS galvanized / aluminium anchor brackets. Work shall include designing, shop drawing, structural	Sqm									14.47		14.47		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	calculations based on thermal movement, air filtration, water penetration, seismic movement and structural movement as per standard procedure. The whole work to be done as per architectural elevation drawing i/c required aluminium sub-frame. Structural grade silicone filling with masonry / RCC work, all height i/c double height, for straight / curve etc. complete.														
179	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Powder coated minimum thickness 50	Each									6.00		6.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	micron aluminium														
180	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 200x10 mm	EA									3.00		3.00		
181	Washed stone grit plaster on exterior walls height upto 10 Meter. above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement	Sqm									430.84		430.84		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	plaster 1:1/2:2 (1 cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing. the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-In-Charge (Payment for providing grooves shall be made separately)														
182	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and	Mtr									663.78		663.78		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	finishing the groove complete as per specification and direction of the Engineer-In-Charge. 15 mm wide and 15 mm deep groove														
183	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster	Sqm									62.73		62.73		
184	Extra for using marble chips of size 7 to 10 mm nominal size in place of stone chipping 10 mm nominal size in Washed stone grit plaster on exterior walls	Sqm									62.73		62.73		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
185	Providing and fixing ISI marked Fire Escape door shutters with frame of Powder coated GI sheet. Each door leaf with 4 hinges (Make- Dauerhaft/ Hafele/ Equivalent), 1 no.of fire rated Door closure (make- Dauerhaft/ Hafele/ Equivalent), 1 no. of external trim (make- Dauerhaft/ Hafele/ Equivalent), 1 Fire Rated Wired Glass(200x300m m), (Make- Pilkington/ equivalent), 1 no. Three Point Panic Bar (Make- Dauerhaft / Hafele/ equivalent) with necessary screws. Cost includes Supply and installation of door. Cost of making opening for door with allied activities viz. dismantling work,	Sqm									11.48		11.48		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	concrete work, brick work, plastering, painting, tile work, false ceiling work, electrical and furniture dismantling and refixing etc which will be paid separately.														
186	Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m : All kinds of soil.	SQM										252.80	252.80		
187	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 Sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be	SQM										475.50	475.50		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	levelled and neatly dressed : All kinds of soil.														
188	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	Each										1,578.00	1,578.00		
189	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm										125.57	125.57		
190	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from	CUM										71.33	71.33		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)														
191	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead Of area beyond 3 sq. metres	Ea										99.34	99.34		
192	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Sqm										125.57	125.57		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
193	Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion,	CUM										95.10	95.10		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately. Cement concrete manufactured in automatic batching plant (RMC plant) i/c transportation to site in transit mixer.														

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
194	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc. upto floor five level, excluding the cost of centring, shuttering and finishing : 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	CUM										0.12	0.12		
195	Centering and shuttering including strutting, propping etc. and removal of form	SQM										11.47	11.47		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	work for : Foundations, footings, bases for columns														
196	Centering and shuttering including strutting, propping etc. and removal of form work for : Columns, piers, abutments, pillars, posts and struts	SQM										14.24	14.24		
197	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm										30.00	30.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
198	Removal of sapling of trees from roof of s/stn by removing mud phaska of roof treatment and relaying the mud phaska as per existing level upto 2 sqm i/c disposal of malba from roof etc. complete	Ea										8.00	8.00		
199	Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska: With F.P.S. brick tiles	Sqm										261.00	261.00		
200	Regrading terracing of mud phaska covered with tiles or brick, in cement by dismantling tiles or bricks, removing mud plaster preparing the surface of mud phaska to proper slope relaying plaster gobri leaping and tiles	Sqm										48.00	48.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	or bricks, grouted in cement mortar 1:3 (1cement: 3 fine sand) including replacing unserviceable tiles or bricks with new ones and disposal of unserviceable material to the dumping ground (the cost of the new tiles or brick excluded) all complete as per direction of Engineer-in-Charge.														
201	Painting with aluminium paint of approved brand and manufacture to give an even shade: one or more coats on old work.	Sqm										147.86	147.86		
202	Neat cement punning	SQM										17.70	17.70		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
203	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Granite stone slab of all colour and texture except black, Cherry/Ruby red Area of slab over 0.50 sqm	SQM										3.84	3.84		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
204	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kichen paltforms, vanity counters window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) joints treated with white cement ,mixed with matching pigment, epoxy touch ups, including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab of all colour and texture except black, Cherry/Ruby red. Area of slab upto 0.50 sqm	SQM										1.40	1.40		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
205	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood partilce board confirming to IS 12823 Grade I, Type II in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Prelaminated particle board with decorative lamination on both sides.	SQM										6.38	6.38		
206	Providing fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Polyester powder	Each										8.00	8.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	coated minimum thickness 50 micron aluminium.														
207	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	M										10.00	10.00		
208	Cutting holes upto 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular)	EA										12.00	12.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	bricks.														
209	Welding by gas or electric plant including transportation of plant at site etc. complete	Cm										240.00	240.00		
210	Providing and laying epoxy flooring by cleaning existing floor, laying epoxy base and epoxy paint 2mm Thick	Sqm										61.05	61.05		
211	Providiing & applying demarkation line up to 10 cm width of approved colour with epoxy paint all complete as per direction of engineer incharge.	M										72.60	72.60		
SUB-TOTAL : PART-A CIVIL WORKS															
PART-B "ELECTRICAL WORKS"															
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium	Point	12.00	6.00	21.00	16.00	12.00		6.00	17.00			90.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group A														
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group B	Point	20.00	10.00	31.00	19.00	25.00		10.00	26.00	15.00	20.00	176.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	140.00	40.00	146.00	123.00	138.00		25.00	214.00	135.00	65.00	1,026.00		
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	110.00	20.00	130.00	94.00	106.00		20.00	204.00	100.00	65.00	849.00		
5	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting	Metre	110.00	20.00	35.00	100.00	50.00		20.00		40.00		375.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	the wall and making good the same in case of recessed conduit as required. 25mm														
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 8 way, Double door.	Each	2.00		1.00	1.00	1.00		2.00				7.00		
7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as	Metre	20.00	20.00					10.00				50.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	required.2 X 6 sq. mm + 1 X 6 sq. mm earth wire														
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	15.00	6.00	14.00	18.00	12.00		6.00	12.00	10.00	12.00	105.00		
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	6.00	6.00	8.00	10.00	7.00	3.00	6.00	29.00	10.00	12.00	97.00		
10	Supplying and fixing following rating, Four pole, 415 volts, MCB in	Each	2.00	2.00	1.00	1.00	2.00		2.00	1.00	1.00		12.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	the existing MCB DB complete with connection, testing and commishioning etc. as required 63 amps														
11	Supplying and fixing 5 A to 32 A rating, 240/415 volts 10 kA, 'C' curve, miniature circuit breaker, suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required- Single Pole	Each	24.00	12.00	12.00	25.00	20.00		12.00	15.00	18.00	6.00	144.00		
12	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	Each	15.00	15.00	32.00	33.00	29.00	25.00	15.00	1.00	30.00	34.00	229.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
13	Supply, fixing, laying of M.S. painted raceway of following sizes with top openable MS sheet cover of 3mm thick complete with junction box of all ways with suitable nos of knockout for fixing conduits directly on it, neoprene rubber packing, bends and all accessories required (separate for computer wiring and power system) in floor. It will be grouted in the floor, junction will be bigger in size. This item will involve breaking the existing floor and putting a cushion of 5cm lean PCC for leveling under the raceway 100 x 50 x 2mm thick with 3mm top cover	Mtr	15.00	5.00					5.00				25.00		
14	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin	Each	10.00	10.00	5.00	12.00	6.00		10.00		2.00		55.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT														
15	Providing and fixing wall mounting revolving fan of approved (Deluxe of 16" size) make including making all necessary connections etc. complete as per directions of Engineer-in-Charge.	Each	6.00	4.00					4.00				14.00		
16	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted	Each	2.00	1.00	1.00	1.00	1.00		1.00	2.00			9.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	including earthing etc. as required. (But without MCB/RCCB/Isolat or). 4 (4+12) way Double door.														
17	LUMINAIRE,LED TYPE: COOL DAY LIGHT; POWER: 36 W; VOLTAGE: 240V ; LAMP SIZE 600X600MM; ADDITIONAL INFORMATION: LED LIGHT 2X2 FEET	Each	10.00										10.00		
18	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 200 A,36 KA FP MCCB.	Each	1.00						1.00				2.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
19	Providing and laying 4 core 10sqmm copper armoured cable with 2 x 16 SWG earth wire.	Rmt	20.00	10.00					10.00				40.00		
20	INFORMATION: CEILING MOUNTED INTERNAL LIGHT IN ROUND SHAPE LAMP,LED,TYPE: SPOT LIGHT;POWER:12W;VOLTAGE;240V;COLOR WHITE;DIMENSION:150MM;SPECIAL FEATURES:CEILING MOUNTED;ADDITIONAL BRPL-DAP-AD-OFE OFFICE EQUIPMENTS	Each	20.00							18.00			38.00		
21	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections. testing and commissioning etc. as required.	Each	4.00	4.00	2.00	6.00	3.00	1.00	4.00				24.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	63 Amps.														
22	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each			2.00	3.00	3.00			4.00	1.00		13.00		
23	P/f of M.S Box 4" / 3" for 3/4 Module plate	Each			5.00	9.00	7.00				2.00		23.00		
24	Providing and fixing ceiling fan 48" of crompton make with five stage Electronic fan regulator of anchor make.	Each			5.00	7.00	6.00			4.00	4.00		26.00		
25	P/F/T/C of LED Flood Light 35 W with Batten	Each			2.00	4.00	8.00						14.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	complete job.														
26	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 125 A,36 KA FP MCCB.	Each			1.00	1.00	1.00				1.00		4.00		
27	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 10 sq. mm + 1 X 6 sq. mm earth wire	Metre			8.00	14.00	7.00			10.00	20.00		59.00		
28	Providing and fixing, Testing & commissioning of	Each			1.00	2.00	2.00				4.00	6.00	15.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	450mm dia heavy duty Exhaust Fan with louver of approved make.(crompton greaves)														
29	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	Each			2.00	3.00	3.00			5.00	3.00	2.00	18.00		
30	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group A	Point						5.00					5.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
31	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group B	Point						4.00					4.00		
32	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre						10.00					10.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
33	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre						15.00					15.00		
34	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group C	Point									25.00	30.00	55.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
35	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63Amps	Each									1.00	2.00	3.00		
36	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolat	Each									1.00	1.00	2.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	or). 6 (4+18) way Double door.														
37	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for	Each										6.00	6.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.														
38	Removing of fluorescent fitting from surface and re-Installation after testing and commissioning etc. complete (The cost is inclusive of rewiring of the fittings if required, labour screws rawl plug but excluding the cost of fluorescent tube rod, Starters.	Each.										20.00	20.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
39	Dismantling / removing damaged / unservicable PVC insulated / fire resistant Aluminium / Copper conductor cables size upto 10 sqmm. from existing wooden battens / casing, caping / steel / PVC conduits or in mixture of all, including removal of wooden battens / casing, caping and disposal of the materials from the site, the cost of Aluminium / Copper so recieved is to be supplied in scrap store complete as per direction of Engineer-In-Charge.	LS										1.00	1.00		
40	Supplying and fixing 63 amps, TP, 10KA, 415 volts, MCB of approved make in the existing MCB DB complete with connections, testing and	Each										1.00	1.00		

S.N o.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No. 5	S.No.6	S.No. 7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	commissioning etc.														
SUB-TOTAL : PART-B ELECTRICAL WORKS															
TOTAL : PART A + PART B															
ADD GST@18%															
TOTAL AMOUNT I/C GST @18%															

APPENDIX-IV**PACKAGE-4 : DETAILED BOQ**

Following is the list of Works in Package-4:

S.NO.	Name of Work
1	Retrofitting Work at HR & Audit Office West at C-1 Pankha Road, Janakpuri.
2	Retrofitting and Civil works of SSF at Road No-16, Near Adresh Bhawan, West Punjabi bagh, Div-PJB.
3	Retrofitting and Civil maintenance works of O&M office, Sub Station Building at H-Block, Vikaspuri. (D) VKP
4	Retrofitting and Civil works of SSF GH-13 Part-1, Paschim Vihar Div-NGL
5	Retrofitting and Civil works of SSF GH-13 Part-II, Opp. Flat no 326, Paschim Vihar Div-NGL
6	Retrofitting and repair works of S/stn building at 66kV Grid Bijwasan.
7	Retrofitting and Civil repair works at 66 KV Grid S/Stn. Palam

Detailed BOQ is given below:

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
PART-A "CIVIL WORKS"												
1	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil. as directed, within a lead of 50 m. All kinds of soil.	Cum	191.45					2.00	7.09	200.54		
2	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	172.30	33.36	15.72	40.36	40.36	1.60	5.67	309.37		
3	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	Cum	19.11	41.70		7.18	7.18			75.17		
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	3.00		3.05					6.05		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	24.31	6.93	5.71	8.08	8.08	0.95	2.28	56.34		
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum	1.00		0.36			1.98	3.59	6.93		
7	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	Sqm	789.84		4.44			6.00	24.69	824.97		
8	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	780.68		139.88			214.71	275.63	1,410.90		
9	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	Sqm	471.60	97.23	74.60	7.01	7.01		14.24	671.69		
10	Centring and shuttering including strutting, propping etc. and removal of form for : Stairs, (excluding landings) except spiral- staircases.	Sqm	15.00							15.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	Kg	10,644.37		50.00	42.00	42.00	835.50	1,843.00	13,456.87		
12	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum	13.50	1.00	1.00	0.50	0.50	1.00	2.53	20.03		
13	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	68.50	0.50	1.00	0.50	0.50	5.24	9.01	85.25		
14	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineerin- Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3Kg per Sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	25.00		2.00					27.00		
15	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	50.00		433.20					483.20		
16	Providing and fixing bolts including nuts and washers complete.	Kg	205.50	136.65	644.56	354.92	354.92	150.87	150.87	1,998.29		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
17	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1cement : 4 coarse sand) : 25 mm thick	Sqm	100.00							100.00		
18	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1cement : 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	50.00							50.00		
19	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 Kg/Sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	25.00		2.00					27.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
20	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 Kg/ Sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600mm	Sqm	291.54		80.32	36.61	36.61		9.32	454.40		
21	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mx 1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	Each	10.00	4.00	4.00	6.00	6.00			30.00		
22	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 110 mm diameter	Meter	8.50	9.70	22.80					41.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
23	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Bend 87.5°-110 mm bend.	Each	2.00	4.00	12.00					18.00		
24	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement : 4 fine sand)	Sqm	591.75					135.00	20.64	747.39		
25	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	591.75	58.34	214.48	81.68	81.68			1,027.93		
26	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer.	Sqm	591.75	41.60	214.48	109.14	109.14	1,172.81	1,302.86	3,541.78		
27	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including priming coat of exterior primer applied @2.20Kg/10 Sqm).	Sqm	591.75	29.17	214.48	40.84	40.84	1,087.40	32.84	2,037.32		
28	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	591.75	207.08	428.96	216.19	216.19	922.16	1,004.78	3,587.11		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
29	Distemping with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.Two coats.	Sqm	700.13	764.53	585.65	876.74	876.74			3,803.79		
30	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	Sqm	100.00	380.93		380.93	380.93			1,242.79		
31	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coats applied @ 1.67 ltr/ 10 Sqm) on existing cement paint surface.	Sqm	1,970.28	700.57	170.99	688.90	688.90	319.00	742.80	5,281.44		
32	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	Cum	41.83	6.93	6.10	12.10	12.10	0.95	1.36	81.37		
33	Demolishing brick work manually /by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.: In cement mortar.	Cum	81.55		2.00	0.50	0.50		3.97	88.52		
34	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	165.08	69.50	76.30	100.90	100.90			512.68		
35	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	Cum	153.59	19.74	49.48	25.28	25.28	110.69	111.14	495.20		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
36	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet.	Sqm	80.00		50.00					130.00		
37	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	200.80	97.23	214.48	136.14	136.14	1,043.43	995.36	2,823.58		
38	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fitting and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan.of size 580x440 mm with integral type foot rests.	Each	1.00		1.00					2.00		
39	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	Meter	50.00		10.00					60.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
40	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25 mm nominal dia Pipes	Meter	20.00		10.00					30.00		
41	Providing and fixing gun metal gate valve with C.I. wheel of approved quality(screwed end): 25 mm NB.	Each	2.00		4.00					6.00		
42	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Per Litre	1,000.00		1,000.00			1,000.00	1,000.00	4,000.00		
43	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms: 15 mm nominal bore.	Each	2.00		2.00			2.00	2.00	8.00		
44	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore : 15 mm nominal bore.	Each	5.00		2.00			5.00	5.00	17.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
45	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately): For Fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15).	Kg	250.00							250.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
46	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size including necessary filling up the gaps at junctions ie. at top , bottom and sides with required EDPM rubber/neoprene gasket etc . Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing panelling and dash fasteners to be paid for separately.)	Kg	100.00							100.00		
47	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood partilce board confirming to IS 12823 Grade I, Type II in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Prelaminated particle board with decorative lamination on both sides.	Sqm	50.00						1.00	51.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
48	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item). With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	25.00						6.81	31.81		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
49	<p>Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations. (a) Applying a slurry coat of neat cement using 2.75 Kg/Sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over 20 mm thick layer of cement mortar of mix 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 Kg/ Sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer - in charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1cement :4coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.</p> <p>(e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge. With average thickness of 120 mm and minimum thickness at khurra as 65 mm</p>	Sqm	444.92	98.69	242.98	126.37	126.37	442.75	442.75	1,924.83		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
50	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/ structure, upto 25 metre height, above ground level including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and / or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.	Sqm	2,226.38	196.46	191.32	140.12	140.12	70.00	70.00	3,034.40		
51	Providing and fixing hard drawn steel wire fabric of size 75 x25 mm mesh or other suitable size wire mesh to be fixed & firmly anchored to the concrete surface by means of "L" shaped mild steel shear key welded with existing reinforcement including the cost of materials, labour, tool & plants as approved by Engineer-in-charge.	Kg	842.24							842.24		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
52	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	Sqm	2,042.12	97.23	15.20	7.01	7.01	163.94	163.94	2,496.45		
53	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer.	Sqm	2,042.12	97.23	15.20	7.01	7.01	163.94	163.94	2,496.45		
54	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.	Kg	943.28	13.20	63.00	121.35	121.35	1.41	1.41	1,265.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
55	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	Each	11,790.46	88.00	1,050.00	809.00	809.00	35.34	35.34	14,617.14		
56	Fixing of C.G.I. corrugated sheets roofing and fixing with polymer coated J, or L hooks, bolts and nuts 8mm dia. G.I. plain and bitumen washers complete excluding the cost of purlins, rafters and trusses: corrugated sheets. The old serviceable C.G.I Sheets to be provided by department fee of cost : Up to 60 degrees pitch.	Sqm	100.00		50.00					150.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
57	Repair of damaged RCC members like lintels, beams, columns, staircases, sunshades and slabs etc. which has broken and given away by dismantling of loose/unsound portion by chiselling, cleaning of surface with wire brushes and applying a thick coat of cement slurry and filling the cavities/notches and depression with cement mortar 1:2 (1cement : 2 coarse sand + screened stone aggregate upto 6mm nominal size) in one, two or even three operations after fixing of chicken wiremesh with the old reinforcement by binding wire or by nailing whichever is feasible. Incase, the thickness of mortar exceeds 8 cm (approx), another layer of chickenmesh shall be fixed over larger area in the same manner and final coat of similar cement mortar shall be applied. Work also includes making arrangement for scaffolding etc complete.	Sqm	60.00	10.00	20.00					90.00		
58	Dismantling and refixing steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats.	Kg	300.00		40.00					340.00		
59	Supplying & placing 40mm thick one side fine dressed red sand stone over existing M.S angle frames of sunshades upto floor five level.	Sqm	50.00		5.40					55.40		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
60	P/F polythene cover for protection of wooden fixtures/ fittings and carpet etc. during the execution of work.	Sqm	50.00		50.00					100.00		
61	Removal of wooden modular fixtures/work station and all electrical fittings/fixtures by dismantling and there after refixing the same by using new screws/brackets as required at site complete after execution of the required work. The item includes the cost of storing the work station/fixtures and fittings in safe custody. providing new switch/socket if required.	Each	25.00		7.00					32.00		
62	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12mm dia.	Each	2,830.00	660.00	625.50	1,258.00	1,258.00	159.38	318.75	7,109.63		
63	Repairing of wooden door of size upto 0.9x2.10m	Each	10.00		5.00	2.00	2.00			19.00		
64	Providing and fixing stainless steel steel jali (grating) with or with- out hole for wash pipe for floor/nahani trap. 100mm dia (weight not less than 100gms).	Each	10.00		5.00	5.00	5.00			25.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
65	Dismantling of existing PVC Partition, PVC door shutters including cutting of hinges, dismembering of PVC panels cutting of height of the door shutter etc. Re-fixing of PVC panels, angles, beadings door shutter using the existing materials complete as required for new location as per the directions of Engineer-in-charge. The job is inclusive of the cost of new 1/4" steel screws, M.S. hinges etc.	Sqm	100.00		10.00					110.00		
66	Repairing of aluminium door shutter including dismantling, setting right the members and refixing the same in position for its soft and easy motion (The cost includes all labour, nuts, bolts & screws etc. but excluding the cost of floor springs, handles, locks complete.	Each	17.00							17.00		
67	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	Cum		41.70	30.52	50.45	50.45			173.12		
68	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Sqm		69.50		64.29	64.29			198.08		
69	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	Sqm		41.60	214.48	109.14	109.14			474.36		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
70	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work .	Sqm		70.77		149.98	149.98			370.73		
71	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm		10.00		10.00	10.00			30.00		
72	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum		26.67	57.58	37.38	37.38			159.01		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
73	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2). 12 mm average thickness.	Sqm		97.23	64.34	202.91	202.91	214.71	265.47	1,047.57		
74	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	Cum	106.44	5.83	9.09	0.42	0.42	6.38	12.75	141.33		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
75	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10Sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.	Sqm	1,021.06	97.23	15.20	7.01	7.01	214.71	265.47	1,627.69		
76	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudinal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry , stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in-charge. (Drilling of holes & shear key or bolt shall be paid seperately.)	Sqm		97.23	150.90	141.65	141.65	214.71	265.47	1,011.61		
77	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fasteners of 10 mm dia double threaded 6.8 grade (yield strength 480 N/ Sqmm), counter sunk head, comprising of 10 n dia polyamide PA 6grade sleeve, i/c drilling of hole in frame concrete/ masonry, etc as per direction of engineer in-charge. 10x 160 mm	Each			24.00					24.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
78	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm (weight not less than 10Kg/Sqm)	Sqm			5.00					5.00		
79	Welding by gas or electric plant including transportation of plant at site etc. complete	Cm				1,500.00	1,500.00			3,000.00		
80	Introducing new reinforcement bars for structural connections in RCC beams, lintels, columns and slabs including power drilling holes of appropriate diameter in reinforced or plain cement concrete, fixing the reinforcement in position using FISV chemical. Rebar 12mmxHole16mmxDepth 120mm.	Ea				60.00	60.00			120.00		
81	Introducing new reinforcement bars for structural connections in RCC beams, lintels, columns and slabs including power drilling holes of appropriate diameters in reinforced or plain cement concrete, fixing the reinforcement in position using FISV chemical. Rebar 16mmXhole20mmXDepth160mm	Ea				30.00	30.00			60.00		
82	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete : 1:4:8 or leaner mix (i/c equivalent design mix)	Cum						0.95	0.95	1.90		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
83	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume with which hardening compound mixed @ 2 litre per 50 Kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm						10.70	10.70	21.40		
84	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Ea						35.00	35.00	70.00		
85	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area beyond 3 sq. metres	Ea						6.00	6.00	12.00		
86	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	Ea						3,099.32	4,104.42	7,203.74		
87	12 mm cement plaster of mix 1:4 (1 cement : 4 fine sand)	Sqm						616.76	130.53	747.29		
88	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc.	Sqm						1,081.32	1,030.56	2,111.88		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
	complete.											
89	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	Sqm						189.67	189.67	379.34		
90	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	KG						46.00	46.00	92.00		
91	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete : Red sand stone slab 40 to 50 mm thick	Sqm						3.75	3.75	7.50		
92	Dismantling broken W.C. pot/urinal/Wash basin including dismantling flooring, disconnecting G.I. inlet connection, flush pipe, traps etc. and disposal of rubbish to M.C.D. dumping ground complete.	Ea						3.00	3.00	6.00		
93	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour & disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge. Orissa pattern W.C Pan of size 580x440 mm	ea						1.00	1.00	2.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
94	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and GI clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	Ea						1.00	1.00	2.00		
95	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : white vitreous china wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	Ea						1.00	1.00	2.00		
96	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 15 mm nominal outer dia Pipes	M						20.00	20.00	40.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
97	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	M						55.00	55.00	110.00		
98	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	Ea						3.00	3.00	6.00		
99	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. flexible pipe 32 mm dia.	Ea						3.00	3.00	6.00		
100	P/F of CP jalli of appd design and shape: 100 mm dia.	Ea						5.00	5.00	10.00		
101	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	EA						6.00	6.00	12.00		
102	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931: 15 mm nominal bore.	EA						2.00	2.00	4.00		
103	Providing and Fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with cp brass screws and washers etc complete.	SQM						0.45	0.90	1.35		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
104	Trimming of any no. of branches of any size of any type of tree overhanging on building / terrace so as to keep them away from building by at least 2.00 mtr at the time of trimming in such a way that they do not fall on the bldg, terrace, GI/ACC shed, live transformer, electric/telephone wire by any means Use axe, saw, ropes etc. as per site conditions. The trimmed material to be disposed to the MCD bin by any means. Nothing shall be allowed to be burnt or flamed.	Ea						3.00	3.00	6.00		
105	Dismantling of PVC flooring of area up to 100 sqm by scraping/streching/cutting with necessary tools includig disposal of rubbish upto 50 m lead.	LS						1.00	1.00	2.00		
106	<p>Providing and applying of approved make self-leveling epoxy coating at your plant with Specification as follows:</p> <ul style="list-style-type: none"> • Scraping the complete area with the help of mechanical means or suitable method and grinding the floor with the help of floor grinding machine (dry grinding) to remove all dirt debris and loosely bonded epoxy coating . • Application of Primer @ 200gm/sqm on the treated surface • Application of screed 2mm @ 2.5kg/sqm. • Final coat of Self leveling 2mm @2.5kg/sqm to attain the desired finish 	Sqm						108.30	108.30	216.60		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
107	Providiing & applying demarkation line up to 10 cm width of approved colour with epoxy paint all complete as per direction of engineer incharge.	M						40.00	40.00	80.00		
108	Making the opening in brick masonry including dismantling in floor or wall by cutting masonry making good the damages to walls, flooring and jambs complete to match the existing surface including disposal of malba/rubbish to the nearest municipal dumping ground. For door/window/celerstory window	Ea						8.00	8.00	16.00		
109	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	KG						176.72	215.75	392.47		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
110	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron).	KG						215.10	247.36	462.46		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
111	Providing and fixing Curtain Glazing using Double Glazed Unit which shall be hermetically insulated (6mm thick heat reflective, toughened, hard coated colour glass on outside and 6 mm thick clear toughened glass on inside with 12 mm air gap fixed using aluminium extruded sections). The framing system shall use aluminum of grade 63400 WP IS: 733 and ID: 1285, pure polyester powder coated, 65microns in approved colour and shade fixed through adequately designed MS galvanized / aluminium anchor brackets. Work shall include designing, shop drawing, structural calculations based on thermal movement, air filtration, water penetration, seismic movement and structural movement as per standard procedure. The whole work to be done as per architectural elevation drawing i/c required aluminium sub-frame. Structural grade silicone filling with masonry / RCC work, all height i/c double height, for straight / curve etc. complete.	Sqm						33.44	33.44	66.88		
112	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Powder coated minimum thickness 50 micron aluminium	Nos						9.00	9.00	18.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
113	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564 embossed on the body, door weight upto 36 Kg to 80 Kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	EA						10.00	10.00	20.00		
114	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 300x16 mm	EA						20.00	20.00	40.00		
115	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 200x10 mm	EA						9.00	9.00	18.00		
116	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	EA						29.00	29.00	58.00		
117	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc complete. Twin rubber stopper	EA						10.00	10.00	20.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
118	Washed stone grit plaster on exterior walls height upto 10 Meter. above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing. the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-In-Charge (Payment for providing grooves shall be made separately)	Sqm						441.17	441.17	882.34		
119	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specification and direction of the Engineer-In-Charge. 15 mm wide and 15 mm deep groove	Mtr						447.34	447.34	894.68		
120	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster	Sqm						73.17	73.17	146.34		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
121	Extra for using marble chips of size 7 to 10 mm nominal size in place of stone chipping 10 mm nominal size in Washed stone grit plaster on exterior walls	Sqm						73.17	73.17	146.34		
122	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 Kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately).	Mtr						193.00	193.00	386.00		
123	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	Sqm						7.50	7.50	15.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
124	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades as approved by Engineer in Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	Sqm						20.58	21.88	42.46		
125	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., (Kajaria make HSN Code 69072100)complete	Sqm						7.50	12.75	20.25		
126	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kichen paltforms, vanity counters window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) joints treated with white cement ,mixed with matching pigment, epoxy touch ups, including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj nagar plain white marble/Udaipur green marble/Zebra black marble. Area of slab over 0.5 Sqm	Sqm						2.52	7.76	10.28		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
127	Providing and fixing ISI marked Fire Escape door shutters with frame of Powder coated GI sheet. Each door leaf with 4 hinges (Make- Dauerhaft/ Hafele/ Equivalent), 1 no.of fire rated Door closure (make- Dauerhaft/ Hafele/ Equivalent), 1 no. of external trim (make- Dauerhaft/ Hafele/ Equivalent), 1 Fire Rated Wired Glass(200x300mm), (Make-Pilkington/ equivalent), 1 no. Three Point Panic Bar (Make-Dauerhaft / Hafele/ equivalent) with necessary screws. Cost includes Supply and installation of door. Cost of making opening for door with aliied activities viz. dismantling work, concrete work, brick work, plastering, painting, tile work, false ceiling work, electrical and furniture dismantling and refixing etc which will be paid separately.	Sqm						12.24	12.24	24.48		
128	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more.	CUM						25.00	25.00	50.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
129	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm							15.76	15.76		
130	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum							1.50	1.50		
131	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size) from natural sources	Cum							0.59	0.59		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
132	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc. upto floor five level, excluding the cost of centring, shuttering and finishing : 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum							0.12	0.12		
133	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and chamber in panels as required including consolidation finishing and tamping complete.	Cum							1.86	1.86		
134	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	Sqm							4.27	4.27		
135	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 Kg/Cum. Excess/less cement used as per design mix is payable/ recoverable separately).	Cum							70.20	70.20		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
136	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	Sqm							17.70	17.70		
137	Extra for fixing marble /granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. complete.	Mtr							7.20	7.20		
SUB-TOTAL : PART-A CIVIL WORKS												
PART-B "ELECTRICAL WORKS"												
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group A	Point	20.00		5.00					25.00		
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group B	Point	20.00		6.00			15.00	20.00	61.00		
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	15.00		5.00			8.00	10.00	38.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	13.00		3.00			10.00	15.00	41.00		
5	Supplying and fixing 5 A to 32 A rating, 240/415 volts 10 kA, 'C' curve, miniature circuit breaker, suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required-Single Pole	Each	25.00		5.00			18.00	18.00	66.00		
6	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commissioning etc. as required 63 amps	Each	2.00		1.00			1.00		4.00		
7	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commissioning etc. as required 100 amps	Each	2.00		1.00					3.00		
8	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	25.00		20.00			160.00	140.00	345.00		
9	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	30.00		10.00			100.00	125.00	265.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
10	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 10 sq. mm + 1 X 6 sq. mm earth wire	Metre	25.00					20.00	20.00	65.00		
11	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 16 sq. mm + 1 X 6 sq. mm earth wire	Metre	25.00							25.00		
12	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63Amps	Each	2.00		1.00			1.00	1.00	5.00		
13	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	Each	30.00		10.00			40.00	50.00	130.00		
14	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group C	Point						30.00	30.00	60.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
15	Providing and fixing, Testing & commissioning of 450mm dia heavy duty Exhaust Fan with louver of approved make.(crompton greaves)	Ea						6.00	6.00	12.00		
16	Providing and fixing ceiling fan 48" of crompton make with five stage Electronic fan regulator of anchor make.	Each						6.00	6.00	12.00		
17	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	Ea						2.00	4.00	6.00		
18	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 6 (4+18) way Double door.	Each						1.00	1.00	2.00		
19	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 125 A,36 KA FP MCCB.	Each						1.00	1.00	2.00		
20	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each						1.00	1.00	2.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25mm	Metre						30.00	40.00	70.00		
22	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT	Each						2.00	2.00	4.00		
23	P/f of M.S Box 4" / 3" for 3/4 Module plate	Each						2.00	2.00	4.00		
SUB-TOTAL : PART-B ELECTRICAL WORKS												
TOTAL : PART A + PART B												
ADD GST@18%												
TOTAL AMOUNT I/C GST @18%												

APPENDIX-V**PACKAGE-5 : DETAILED BOQ**

Following is the list of works in Package-5:

S.NO.	Name of Work
1	Retrofitting and Repair works at 33kv grid S/stn Bhikajikama Place.
2	Retrofitting and Repair works at 66 KV Grid Sub Station Malviya Nagar.
3	Providing Retrofitting measures at 33KV Grid S/stn Bldg NEAR VSNL

Detailed BOQ is given below:

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	Cum	23.53	0.47		24.00		
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete : 1:4:8 or leaner mix (i/c equivalent design mix)	Cum	23.53		0.45	23.98		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
3	Demolishing brick work manually /by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.: In cement mortar	Cum	20.40		78.68	99.08		
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Ea	28.00	34.00	8.00	70.00		
5	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area beyond 3 sq. metres	Ea	2.00	3.00		5.00		
6	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil. as directed, within a lead of 50 m. All kinds of soil.	Cum	133.81	2.00		135.81		
7	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	133.81	1.60	35.71	171.12		
8	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	Cum	9.13			9.13		
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 6 (1 cement : 6 coarse sand)	CUM	5.24	5.00	20.63	30.87		
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	15.16	8.42	158.23	181.81		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	CUM	21.01	1.00	2.86	24.87		
12	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	CUM	1.00	1.00	16.21	18.21		
13	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume with which hardening compound mixed @ 2 litre per 50 Kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	129.50	9.41		138.91		
14	Providing and fixing bolts including nuts and washers complete	Kg	150.72	1,947.84	364.00	2,462.56		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
15	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/ structure, upto 25 metre height, above ground level including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and / or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.	Sqm	602.56	191.25	416.00	1,209.81		
16	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	Sqm	529.16	262.36	285.80	1,077.32		
17	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer	Sqm	529.16	262.36	222.09	1,013.61		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
18	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2). 12 mm average thickness.	Sqm	77.62	776.83	222.09	1,076.54		
19	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	Ea	2,835.01	4,064.82		6,899.83		
20	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.	Kg	113.40	162.59		275.99		
21	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudinal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry , stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in-charge. (Drilling of holes & shear key or bolt shall be paid seperately.)	Sqm	58.22	826.60	92.58	977.40		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
22	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades /balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12mm dia.	Each	314.00	3,184.00	400.00	3,898.00		
23	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.	Sqm	529.16	262.36	285.80	1,077.32		
24	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	Cum	63.00	26.24	3.81	93.05		
25	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	341.96	262.36		604.32		
26	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	SQM	187.20		438.69	625.89		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
27	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	SQM	100.80		487.09	587.89		
28	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	KG	6,300.00	3,148.80		9,448.80		
29	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	Cum	54.00	137.70	196.46	388.16		
30	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	Ea	1,512.00	3,855.60		5,367.60		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
31	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge : With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	Sqm	216.02	550.79	982.31	1,749.12		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
32	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mx 1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	Ea	7.00	8.00	7.00	22.00		
33	Providing and fixing 60 cm long PVC rain water spout in proper line and level in cement mortar 1:4 (1 cement : 4 fine sand) in the existing khurra level, dismantling wall/ pipe and making hole of required size for fixing of pipe, filling CC 1:3:6 (1cement :3 coarse sand : 6 graded stone aggregate 20mm nominal size) between wall and pipe, plastering both sides of walls with cement mortar 1:4 (1 cement :4 fine sand)and making the pipe joint leak proof. (PVC pipe should be of Prakash or equivalent make) 150 mm dia.	Ea	7.00	8.00		15.00		
34	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Flush/ Ruled pointing	Sqm	102.80			102.80		
35	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	670.07	1,208.26	247.90	2,126.23		
36	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	105.40	297.07	789.84	1,192.31		
37	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement : 4 fine sand)	Sqm	70.27	35.02		105.29		
38	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	1,176.73	785.22		1,961.95		
39	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	1,352.40	1,117.31	3,600.48	6,070.19		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
40	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	SQM	1,299.70	1,197.75	2,748.15	5,245.60		
41	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including priming coat of exterior primer applied @2.20Kg/10 Sqm).	Sqm	379.54	313.12	3,252.65	3,945.31		
42	Washed stone grit plaster on exterior walls height upto 10 Meter. above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing. the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-In-Charge (Payment for providing grooves shall be made separately)	Sqm	670.07	563.57		1,233.64		
43	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specification and direction of the Engineer-In-Charge. 15 mm wide and 15 mm deep groove	Mtr	1,675.18	791.96		2,467.14		
44	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster	Sqm	286.71	72.18		358.89		
45	Extra for using marble chips of size 7 to 10 mm nominal size in place of stone chipping 10 mm nominal size in Washed stone grit plaster on exterior walls	Sqm	286.71	72.18		358.89		
46	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	SQM	149.31	680.09		829.40		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
47	Providing and fixing ISI marked Fire Escape door shutters with frame of Powder coated GI sheet. Each door leaf with 4 hinges (Make- Dauerhaft/ Hafele/ Equivalent), 1 no.of fire rated Door closure (make- Dauerhaft/ Hafele/ Equivalent), 1 no. of external trim (make- Dauerhaft/ Hafele/ Equivalent), 1 Fire Rated Wired Glass(200x300mm), (Make-Pilkington/ equivalent), 1 no. Three Point Panic Bar (Make-Dauerhaft / Hafele/ equivalent) with necessary screws. Cost includes Supply and installation of door. Cost of making opening for door with allied activities viz. dismantling work, concrete work, brick work, plastering, painting, tile work, false ceiling work, electrical and furniture dismantling and refixing etc which will be paid separately.	Sqm	13.26	13.70		26.96		
48	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kichen paltforms, vanity counters window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) joints treated with white cement ,mixed with matching pigment, epoxy touch ups, including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj nagar plain white marble/Udaipur green marble/Zebra black marble. Area of slab over 0.5 Sqm	Sqm	3.40	3.40		6.80		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
49	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	KG	265.58	266.37		531.95		
50	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron).	KG	269.81	304.42		574.23		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
51	Providing and fixing Curtain Glazing using Double Glazed Unit which shall be hermetically insulated (6mm thick heat reflective, toughened, hard coated colour glass on outside and 6 mm thick clear toughened glass on inside with 12 mm air gap fixed using aluminium extruded sections). The framing system shall use aluminum of grade 63400 WP IS: 733 and ID: 1285, pure polyester powder coated, 65microns in approved colour and shade fixed through adequately designed MS galvanized / aluminium anchor brackets. Work shall include designing, shop drawing, structural calculations based on thermal movement, air filtration, water penetration, seismic movement and structural movement as per standard procedure. The whole work to be done as per architectural elevation drawing i/c required aluminium sub-frame. Structural grade silicone filling with masonry / RCC work, all height i/c double height, for straight / curve etc. complete.	Sqm	16.01	52.41		68.42		
52	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc complete. Twin rubber stopper	EA	12.00	9.00	20.00	41.00		
53	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : 250x16 mm	EA	6.00			6.00		
54	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 250x10 mm	EA	22.00			22.00		
55	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	EA	46.00	36.00	40.00	122.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
56	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood partilce board confirming to IS 12823 Grade I, Type II in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Prelaminated particle board with decorative lamination on both sides.	SQM	15.78			15.78		
57	Providing fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Polyester powder coated minimum thickness 50 micron aluminium.	Each	40.00	18.00		58.00		
58	Making the opening in brick masonry including dismantling in floor or wall by cutting masonry making good the damages to walls, flooring and jambs complete to match the existing surface including disposal of malba/rubbish to the nearest municipal dumping ground. For door/window/celerstory window	Ea	6.00	5.00		11.00		
59	Dismantling of PVC flooring of area up to 100 sqm by scraping/streching/cutting with necessary tools includig disposal of rubbish upto 50 m lead.	LS	2.00	2.00		4.00		
60	Providing and applying of approved make self-leveling epoxy coating at your plant with Specification as follows: • Scraping the complete area with the help of mechanical means or suitable method and grinding the floor with the help of floor grinding machine (dry grinding) to remove all dirt debris and loosely bonded epoxy coating . • Application of Primer @ 200gm/sqm on the treated surface • Application of screed 2mm @ 2.5kg/sqm. • Final coat of Self leveling 2mm @2.5kg/sqm to attain the desired finish	Sqm	259.50	147.96		407.46		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
61	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	Sqm	32.40	30.93	227.99	291.32		
62	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., (Kajaria make HSN Code 69072100)complete	Sqm	17.70	4.88	53.15	75.73		
63	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades as approved by Engineer in Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	Sqm	65.10	22.79	75.60	163.49		
64	Providing and Fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with cp brass screws and washers etc complete.	Ea	0.90	0.45	2.00	3.35		
65	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. flexible pipe 32 mm dia.	Ea	3.00	3.00		6.00		
66	P/F of CP jali of appd design and shape: 100 mm dia.	Ea	3.00	3.00		6.00		
67	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931: 15 mm nominal bore.	EA	2.00	2.00		4.00		
68	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	EA	3.00	3.00		6.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
69	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms : 15 mm nominal bore.	EA	2.00	2.00		4.00		
70	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	Ea	3.00	3.00		6.00		
71	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore : 15 mm nominal bore	EA	5.00	5.00		10.00		
72	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	M	25.00	15.00		40.00		
73	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	Mtr	20.00	10.00		30.00		
74	Dismantling broken W.C. pot/urinal/Wash basin including dismantling flooring, disconnecting G.I. inlet connection, flush pipe, traps etc. and disposal of rubbish to M.C.D. dumping ground complete.	Ea	5.00	3.00		8.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
75	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour & disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge. Orissa pattern W.C Pan of size 580x440 mm	Ea	1.00	1.00		2.00		
76	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern and C.P flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.	Ea	1.00		2.00	3.00		
77	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and GI clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	Ea	1.00	1.00	2.00	4.00		
78	Providing & fixing vitreous china Oval wash basin 570x425mm dia. for under counter mounting, specially fabricated brackets painted white, 32mm C.P.cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection complete, including cutting and making good the walls wherever required. (PARRYWARE 0418 OR APPROVED EQUIVALENT, PASTEL COLOUR)	Ea	2.00			2.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
79	Trimming of any no. of branches of any size of any type of tree overhanging on building / terrace so as to keep them away from building by at least 2.00 mtr at the time of trimming in such a way that they do not fall on the bldg, terrace, GI/ACC shed, live transformer, electric/telephone wire by any means Use axe, saw, ropes etc. as per site conditions. The trimmed material to be disposed to the MCD bin by any means. Nothing shall be allowed to be burnt or flamed.	Ea	3.00	3.00		6.00		
80	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 Kg/ sq.mmwith tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S.angle, C.C. blocks shall be paid separately).	Mtr	174.00	195.00	49.50	418.50		
81	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more.	CUM	38.53	50.00		88.53		
82	Providing and fixing glass strips in joints of terrazo/cement concrete floors. - 40 mm wide and 4 mm thick.	Mtr		33.70		33.70		
83	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	Sqm		15.60	199.27	214.87		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
84	P/F MS chequered plate i/c cutting, straightening, rounding of edges, making lifting arrangment & fixing by welding to M.S angle frame etc.	Kg		64.69		64.69		
85	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	KG		119.60		119.60		
86	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc.as required.- In gratings, frames, guard bar, ladder, railings, brackets, gates & similar works.	Kg		532.38		532.38		
87	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.Internal work - Exposed on wall : 15 mm nominal outer dia Pipes	M		10.00		10.00		
88	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : white vitreous china wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	Ea		1.00		1.00		
89	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564 embossed on the body, door weight upto 36 Kg to 80 Kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	EA		6.00	20.00	26.00		
90	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than gradeAC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 300x16 mm	EA		18.00	20.00	38.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
91	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 200x10 mm	EA		36.00		36.00		
92	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Double charge vitrified tile polished finish of size of Tile 600 x 600 mm	Sqm		21.75		21.75		
93	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 Kg/Cum. Excess/less cement used as per design mix is payable/ recoverable separately).	CUM		117.00		117.00		
94	Demolishing R.C.C. work manually /by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.	Cum			6.38	6.38		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
95	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	Cum			67.42	67.42		
96	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 Kg/ Sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600mm	Sqm			621.99	621.99		
97	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	Sqm			786.72	786.72		
98	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum). All works above plinth level upto floor V level	Cum			71.58	71.58		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
99	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm			75.00	75.00		
100	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	Kg			16,806.85	16,806.85		
101	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum			234.51	234.51		
102	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	Sqm			37.50	37.50		
103	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum			25.73	25.73		
104	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum			41.78	41.78		
105	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	Sqm			247.90	247.90		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
106	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS: 3818 marked with necessary screws.	SQM			37.80	37.80		
107	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board : 610x510 mm bowl depth 200 mm.	Ea			1.00	1.00		
108	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required : White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers.	Ea			1.00	1.00		
109	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 20 mm nominal outer dia Pipes.	Mtr			10.00	10.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
110	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 15 mm nominal outer dia Pipes.	Mtr			10.00	10.00		
111	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 110 mm diameter	Mtr			20.00	20.00		
112	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 300x10 mm	Ea			20.00	20.00		
113	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms: 15 mm nominal bore	Ea			4.00	4.00		
114	P/F polythene cover for protection of wooden fixtures/ fittings and carpet etc. during the execution of work.	Sqm			132.00	132.00		
115	Providing & fixing roller blinds screen Fabric/ blankout, off-white shade (VP-781) as per direction of EIC Mac décor/ approved make	Sqm			27.00	27.00		
116	P/F of anodized aluminium section door and windows as per design "complete with all hardware and accessories like handles, hinges, " stays etc. Item is complete with all rubber beadings and the vendor has to ensure that all gaps between wall surface and edge sections are properly sealed with approved sealant. Items includes float glass" of required thickness. (Hindalco 2917 series, anodizing in 20 micronbronze matt colour) openable doors, windows with 8mm glass"	Sqm			20.25	20.25		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
117	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg			660.56	660.56		
SUB-TOTAL : PART-A CIVIL WORKS								
PART-B "ELECTRICAL WORKS"								
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group B	Point	30.00	20.00	20.00	70.00		
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group C	Point	50.00	30.00		80.00		
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	260.00	150.00	140.00	550.00		
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	220.00	125.00	110.00	455.00		
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	16.00	10.00	6.00	32.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	20.00	15.00	15.00	50.00		
7	Supplying and fixing 5 A to 32 A rating, 240/415 volts 10 kA, 'C' curve, miniature circuit breaker, suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required-Single Pole	Each	36.00	18.00	24.00	78.00		
8	Providing and fixing, Testing & commissioning of 450mm dia heavy duty Exhaust Fan with louver of approved make.(crompton greaves)	Each	8.00	6.00		14.00		
9	Providing and fixing ceiling fan 48" of crompton make with five stage Electronic fan regulator of anchor make.	Each	10.00	7.00		17.00		
10	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	Each	5.00	3.00		8.00		
11	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	Each	60.00	40.00	15.00	115.00		
12	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63Amps	Each	2.00	1.00		3.00		
13	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 200 A,36 KA FP MCCB.	Each	1.00		4.00	5.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
14	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 6 (4+18) way Double door.	Each	2.00	1.00		3.00		
15	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commissioning etc. as required 63 amps	Each	2.00	1.00	2.00	5.00		
16	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	2.00	1.00		3.00		
17	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25mm	Metre	60.00	40.00	110.00	210.00		
18	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 10 sq. mm + 1 X 6 sq. mm earth wire	Metre	40.00	20.00		60.00		
19	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no. 6A switch in 5 module plate for the various raw power / computer requirements. (with Ms Box) MAKE - MK OR EQUIVALENT	Each	4.00	2.00	10.00	16.00		
20	P/f of M.S Box 4" / 3" for 3/4 Module plate	Each	4.00	2.00		6.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
21	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 125 A,36 KA FP MCCB.	Each		1.00		1.00		
22	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group A	Point			12.00	12.00		
23	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 8 way, Double door.	Each			2.00	2.00		
24	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre			20.00	20.00		
25	Supply, fixing, laying of M.S. painted raceway of following sizes with top openable MS sheet cover of 3mm thick complete with junction box of all ways with suitable nos of knockout for fixing conduits directly on it, neoprene rubber packing, bends and all accessories required (separate for computer wiring and power system) in floor. It will be grouted in the floor, junction will be bigger in size. This item will involve breaking the existing floor and putting a cushion of 5cm lean PCC for leveling under the raceway 100 x 50 x 2mm thick with 3mm top cover	Mtr			15.00	15.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
26	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 4 (4+12) way Double door.	Each			2.00	2.00		
27	LUMINAIRE,LED TYPE: COOL DAY LIGHT; POWER: 36 W; VOLTAGE: 240V ; LAMP SIZE 600X600MM; ADDITIONAL INFORMATION: LED LIGHT 2X2 FEET	Each			10.00	10.00		
28	Providing and laying 4 core 10sqmm copper armoured cable with 2 x 16 SWG earth wire.	Rmt			16.00	16.00		
29	INFORMATION: CEILING MOUNTED INTERNAL LIGHT IN ROUND SHAPE LAMP,LED,TYPE:SPOT LIGHT;POWER:12W;VOLTAGE:240V;COLOR WHITE;DIMENSION:150MM;SPECIAL FEATURES:CEILING MOUNTED;ADDITIONAL BRPL-DAP-AD-OFE OFFICE EQUIPMENTS	Each			20.00	20.00		
30	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections. testing and commissioning etc. as required. 63 Amps.	Each			4.00	4.00		
31	Providing and fixing wall mounting revolving fan of approved (Deluxe of 16" size) make including making all necessary connections etc. complete as per directions of Engineer-in-Charge.	Each			15.00	15.00		
SUB-TOTAL : PART-B ELECTRICAL WORKS								
TOTAL : PART A + PART B								
ADD GST@18%								
TOTAL AMOUNT I/ GST @18%								

Appendix- VI

COMMERCIAL TERMS AND CONDITIONS

Sl. No.	Item	Description	Bidder's Confirmation
1	Validity of Bids	For a period of 180 days from the date of opening of Part- A, techno-commercial bid.	
2	Price Variation / Adjustment	Prices are firm	
3	Liquidated Damages	1 (one) % of the contract value per week of delay or part thereof subject to a maximum of 10 (ten) % of the contract value	
4	Defect Liability Period	12 (Twelve) calendar months from the date of the successful completion of the contract as certified by the EIC	
5	Contract Performance Bank Guarantee	Five percent (5%) of total contract value and shall be valid till completion of Contract (incl. DLP), plus three (3) months towards claim period.	
6	Advance payment / Retention	Not Applicable	
7	Terms of Payment	<ul style="list-style-type: none"> ➤ 80% payment against completion of work on pro-rata basis within 30 days on submission of bills duly certified by Engineer-In-Charge. Running bills can be processed for maximum 80% amount of the order value. ➤ However, 10% payment would be retained till quality control clearance certificate is submitted. ➤ Balance 10% of payment would be retained for performance guarantee against defect liability which would be released 12 months after the completion of the project or on submission of equivalent performance bank guarantee. 	
8	Completion time	12 months from date of LOI/Order	
9	Due date of payment	Within 30 days from the date of submission of certified bill	
10	Penalties	Not Applicable	
11	Termination	<ul style="list-style-type: none"> ➤ Termination for non-performance by giving 30 days notice ➤ Premature Termination for breach of contract ➤ Termination by company for convenience 	➤

Note: RA is mandatory. The bids will be evaluated commercially based on the total all inclusive price. BRPL reserves the right to evaluate the bid in totality or partially. RA methodology will be informed separately to all the qualified bidders prior to RA.

ANNEXURE –I :BID FORM

To,

**Head of Department,
Contracts & Material Department,
BSES RAJDHANI Power Ltd
1st Floor, C Block
BSES Bhawan, Nehru Place
New Delhi 110019.**

Dear Sir,

- 1 We understand that BRPL is desirous of awarding the contract for..... (Name of the Work) work in its licensed distribution network area in Delhi.
- 2 Having examined the Tender Documents for the above named works, we the undersigned, offer to deliver the goods/services in full conformity with the Terms and Conditions, technical specifications & Scope of Work as may be determined in accordance with the terms and conditions of the contract. The quoted amounts for this work are in accordance with the Price Schedules attached herewith and are made part of this bid.
- 3 If our Bid is accepted, we undertake to deliver the entire goods/services as per delivery/ completion schedule mentioned in Section III from the date of award of order/letter of intent.
- 4 If our Bid is accepted, we will furnish a Contract Cum Performance Bank Guarantee (CPBG) for due performance of the Contract in accordance with the Terms and Conditions of the NIT.
- 5 We agree to abide by this Bid for a period of 180 days from the due date of bid submission and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- 6 We declare that we are aware of the provision of all Laws associated with the supply of equipment's/materials or Services and the prices have been quoted accordingly.
- 7 Unless and until Letter of Intent is issued, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
- 8 We understand that BRPL is not bound to accept the lowest, or any bid BRPL may receive.
- 9 There is provision for Resolution of Disputes under this Contract, in accordance with the Laws and Jurisdiction of Contract.
- 10 We do hereby agree and shall abide the terms of tender documents/agreement, in full

Dated this..... day of..... 2024

Signature..... In the capacity of

.....duly authorized to sign for and on behalf of

(IN BLOCK CAPITALS).....

ANNEXURE – II: BIDDER’S DETAILS

S.No.	Item	Description
1	Company Name	
2	BRPL Vendor Code (If Registered)	
3	Area of Specialization	
4	Company Founded Year	
5	Type of Company	
6	Constitution(Company Registration number)	
7	Name of Director / Mobile Number	
8	Name of other main person / Mobile Number	
9	Vendor Address	
10	Vendor Contact no	
11	Vendor Email ID	-
12	No. of Manpower on payroll (Executive/Skilled/Semi-Skilled/Un-skilled)	-
13	No. of Contractual Manpower (Executive/Skilled/Semi-Skilled/Un-skilled)	-
14	Other Office / Factory Address	
15	ISO certification	
16	PAN	
17	PF/ESI	
18	Shop Establishment Certificate (If Applicable)	
19	Electrical License Detail (If Applicable)	
20	GST	
21	GST Registration Date	
22	SSI	
23	MSME Registration Number (If Applicable)	
24	Turn Over FY 2020-21 (Rs. Cr.)	
25	Turn Over FY 2021-22 (Rs. Cr.)	
26	Turn Over FY 2022-23 (Rs. Cr.)	
27	Turn Over FY 2023-24 (Rs. Cr.)	
28	Profit after Tax FY 2020-21 (Rs. Cr.)	

S.No.	Item	Description
29	Profit after Tax FY 2021-22 (Rs. Cr.)	
30	Profit after Tax FY 2022-23 (Rs. Cr.)	
31	Profit after Tax FY 2023-24 (Rs. Cr.)	
32	Networth (Rs Cr.)	
33	Bank Guarantee Limit (in Cr.)	
34	Over Draft/Cash Credit Limit (in Cr.)	
35	Present Order Booking (Rs Cr.)	
36	Order executed with Reliance ADA (Rs Cr.)	
37	Name & Detail of relative working in BRPL	
38	Main Customer	
39	Details of orders executed / Under Execution	Please submit the details in Attachment - A

ATTACHMENT – A

Reference List of Order Executed / under Execution by the Vendor (M/s)

A) Major Orders Executed

SN	Name of Project	Client name & address	Client contact Detail (Person name, e-mail ID, Mobile & landline number)	Vendor's Scope of Work	Date Of Award	Value of Work (Rs in Lakhs)	Completion date as per Order	Actual Completion Date	LD / Penalty imposed, if any (Rs in Lakhs)	Litigation / Arbitration (Y/N) (If Yes, furnish details)	Remarks
1.											
2.											
3.											
4.											
5.											

B) Orders Under Execution

SN	Name of Project	Client name & address	Client contact Detail (Person name, e-mail ID, Mobile & landline number)	Vendor's Scope of Work	Date Of Award	Value of Work (Rs in Lakhs)	Completion date as per Order	Actual Completion Date	LD / Penalty imposed, if any (Rs in Lakhs)	Litigation / Arbitration (Y/N) (If Yes, furnish details)	Remarks
1.											
2.											
3.											
4.											
5.											

ANNEXURE – III: ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT

(To be signed and stamped by the bidder prior to participation in the auction event)

BRPL intends to use the reverse auction through SAP-SRM tool as an integral part of the entire tendering process. All the bidders who are found as techno commercially qualified based on the tender requirements shall be eligible to participate in the reverse auction event.

The following terms and conditions are deemed as accepted by the bidder on participation in the bid event:

1. BRPL shall provide the user id and password to the authorized representative of the bidder. (Authorization letter in lieu of the same be submitted along with the signed and stamped acceptance form)
2. BRPL will make every effort to make the bid process transparent. However, the award decision by BRPL would be final and binding on the supplier/Contractor.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of BRPL, bid process, bid technology, bid documentation and bid details.
4. The bidder is advised to understand the auto bid process to safeguard themselves against any possibility of non-participation in the auction event.
5. In case of bidding through internet medium, bidders are further advised to ensure availability of the entire infrastructure as required at their end to participate in the auction event. Inability to bid due to telephone line glitch, internet response issues, software or hardware hangs; power failure or any other reason shall not be the responsibility of BRPL.
6. In case of intranet medium, BRPL shall provide the infrastructure to bidders, further, BRPL has sole discretion to extend or restart the auction event in case of any glitches in infrastructure observed which has restricted the bidders to submit the bids to ensure fair & transparent competitive bidding. In case of an auction event is restarted, the best bid as already available in the system shall become the start price for the new auction.
7. In case the bidder fails to participate in the auction event due any reason whatsoever, it shall be presumed that the bidder has no further discounts to offer and the initial bid as submitted by the bidder as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be out rightly rejected by BRPL.
8. The bidder shall be prepared with competitive price quotes on the day of the bidding event.
9. The prices as quoted by the bidder during the auction event shall be inclusive of all the applicable taxes, duties and levies and shall be FOR at BRPL site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder. No further communication will be there.
11. No requests for time extension of the auction event shall be considered by BRPL.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all-inclusive prices offered during conclusion of the auction event for arriving at contract amount.

For.....

Signature:

Name:

Designation:

ANNEXURE – IV: ENVIRONMENTAL, OCCUPATIONAL HEALTH & SAFETY CONDITIONS OF CONTRACT**1.0 General Requirements**

- 1.1 The contractor shall ensure that safety of all the workers, materials, Installation and equipment's belonging to him or to others and working at the site is ensured through effective and practicable safety management systems.
- 1.2 The contractor shall be responsible for compliance to provisions of all safety requirements under various notices, acts, rules and relevant applicable legislations.
- 1.3 The contractors shall comply with all health & safety requirements as deemed necessary by BRPL from time to time.
- 1.4 Works shall be carried out by the contractor after taking necessary "Permit to work". Also the work shall not be carried out without use of Protective equipment's like shoes, safety belts, helmets etc. adhering to safety compliance.
- 1.5 All the equipment's being used shall be timely calibrated and a copy of the same shall be submitted to Safety Department within 4 weeks of the acceptance of contract and thereafter on every renewal.

2.0 EHS Policy

The contractor as per requirement of CEA Measures Relating to Safety and Electric Supply Regulations, 2010 shall follow the Environment, Health & Safety policy of BRPL. The contractor shall implement quality, health & safety management systems in accordance to BRPL EHS policy and ensure that intentions of such policy are met.

3.0 Health & Safety Plan

- 3.1 Within 4 weeks of the notification of acceptance of the tender, the contractor shall submit a detailed and comprehensive Contract specific health & safety plan incorporating HIRA (Hazard Identification & Risk Analysis) to BRPL. This plan shall necessarily include detailed policies, procedures, method statement for each activity to be performed and regulations which, when implemented, will ensure compliance of the contract provisions stated herewith.
- 3.2 The contractor shall submit health & safety plan for such activities required to be carried out under the awarded contract as deemed necessary by BRPL.
- 3.3 Health & safety plans, procedures, method statements, etc. developed & submitted by contractors shall be reviewed and approved by designated authorities of BRPL (Head Safety). First cut of the plan shall be submitted to Safety Department within 2 weeks of agreement of contract. After suggested rectification, the final plan shall be submitted to Head Safety not later than 4 weeks of the agreement of contract. A copy of the same shall be given to the engineer in charge also. The document shall carry the signatures of the authorized signatory (the person who has signed the agreement document of contract).
- 3.4 The health & safety plans, procedures, method statements, etc. shall not be changed without prior review and approval by designated authorities of BRPL.

4.0 OHS Organization & Responsibility

- 4.1 The contractor supervisor will play the role of safety supervisor. The safety supervisor shall hold a diploma degree from a recognized institute or university as per CEA Regulations, 2010. Also simultaneously contractor has to ensure their competency in safety or EHS with 40 hours

training from reputed agency (like RLI/Allied Boston/ National Safety Council) or trainer, which should be verified earlier by BRPL safety department accordingly. The copy of training certificate shall be submitted to Safety Department within 4 weeks of agreement of contract. Time extension may be given in extraordinary situation subjected to submission of any convincing document carrying valid proof of near future plan of the training.

4.2 The training certificate should not be more than one-year-old.

4.3 Apart from above, as an owner of the company the contractor & their other key persons are also responsible for safety compliance and related issues.

5.0 First Day at Work –Induction Training and Issuance of ID-Card

5.1 The contractor shall ensure that all his workers have undergone the safety induction and have been issued with a valid ID card prior to start of work at BRPL site. The proof of the same shall be submitted to Safety Department within 4 weeks of agreement of contract.

5.2 All contractor workers shall undergo above as per the BRPL site specific procedure issued from time to time.

5.3 The contractor shall ensure that no worker is in any O&M activities until the valid ID card is issued and the same is available by each worker at site including that of sub-contractor(s).

5.4 In case any worker lost the ID card issued to him, the contractor shall ensure that such incidences are promptly reported to BRPL and duplicate or new ID card is issued immediately after completing formalities as deemed necessary by BRPL.

6.0 Provision of Safe Working Conditions

6.1 Proper barricading shall be created during height work, cable laying work, working on pole, etc. Dimensions of barricading while cable laying work- Height- 2 mtr, Length- 1.5 mtr. There shall not be any gap in between two barricades. LED Bacon light shall be placed at 1st and every 4th barricade. However, while working on pole during supply maintenance work there should be a barricading cone and caution tape. In narrow lanes, where proper barricading as per rules is not possible, use barricading as per the approval of respective safety circle head in writing and copy forwarded to safety and uploading in QMS.

6.2 PPE' Requirement

6.2.1 The contractor shall ensure all the required PPEs given in clause 6.2 and shall allow their workers to start work at site only after proper verification of adequacy of safety gears/PPE required for the specific job at site by the Safety personnel/Site Engineer of BRPL.

Contractor has to ensure the quantity and quality of PPEs during procurement and continuous usage of following PPE's by his staff.

S.NO.	NAME OF THE PPEs	LINEMAN / FITTER/SKILLED	HELPER/UNSKILLED	SUPERVISOR
1	SAFETY HELMET	✓	✓	✓
2	FULL BODY HARNESS (POSITIONING BELT)	✓	X	X
3	ELECTRICAL HAND GLOVES	✓	✓	X
4	SAFETY SHOES	✓	✓	✓

5	SAFETY GOGGLES	✓	✓	✓
6	REFLECTIVE JACKET	✓	✓	✓

6.2.2 Contractor has to ensure for proper procurement and distribution of required PPE's among their workers with receiving in attached format (Appendix-3) which will be verified by the safety department during inspection. The entire issuance format duly signed by individual worker and to be verified/ certified by Department Head and the same need to be submitted to Safety Department along with mentioned certificates within 4 weeks of agreement of contract. The sample of the PPE's being procured by the contractor shall be submitted and approved from the Safety Department beforehand.

6.2.3 The contractor has to provide 3 arc protection face shields in each zone (2 for complaint team and 1 for maintenance team) as per specifications mentioned in clause 6.2.5.6.

6.2.4 If any of the contractor staff found without PPEs, the said PPE's will be issued to them from BRPL store with immediate effect. And the 20% extra amount with procurement cost will be recovered from their next monthly bill cycle.

Note: PPEs shall strictly be as per the brand mentioned in clause 6.2.5

6.2.5 Technical Specification of the PPEs

6.2.5.1. Safety Shoes – With Composite / Fiber toes (CE approved / IS 15298) – Mandatory for all personnel working at BRPL O&M. The safety shoes shall meet the following features:

1. Electric Shock Resistant Sole
2. Impact Resistant
3. Scrap/Heat Resistant
4. Slip Resistant
5. Oil and Acid Resistant
6. Rubber PU Sole
7. Anti-puncture

Lead MAKE: BATA/HONEYWELL/KARAM

6.2.5.2 Safety Helmets: (IS 2925 - 1984 or DGMS) with chin strap – Mandatory for all personnel working at BRPL O&M. The specification of safety helmet shall be as given below:

V-GARD HDPE Yellow With 4 Point FasTrac Ratchet Suspension

Shell Material	UV stabilizedHDPE, Non vented
Suspension	<ul style="list-style-type: none"> • With 4 Point FasTrac Ratchet Suspension sewn headband • Textile straps made from polyester Suspension • point fixing: good positioning, ...stability, better air circulation due to ...limited contact areas with the head • Easy clean sweatband
Size	52-62 cm
Accessory slot	Standard 30 mm with removable HDPE dead plugs suitable to leak proof fitting

Approvals	ANSI/ IEC Z89.1 Class E (electrical)
Additional	Low temperature -10°C (acc. to GB2811), High temperature +50°C
Colours	Yellow
weight	360 g

Lead MAKE: 3M / KARAM / UFS

6.2.5.3 Full Body positioning Harness: (CE approved / IS 3521 / EN 361 / EN 355) – Shall be used while work is in progress at height more than 1.8 meter or where from a person may fall and get injured. The specification of the Full body harness shall be as given below:

Anchorage	Adjustable two chest attachment D-rings and A dorsal attachment D-ring
Adaptability	Adjustable shoulder and thigh straps
Convenience	Shoulder and thigh straps differentiated by a dual color scheme.
Ergonomics	Ideally. Positioned sit strap for extended comfort.
Size	Standard
weight	1200GMS
ENERGY ABSORBING FORKED LANYARDS :	
Spec.	44mm wide polyamide webbing.
Length	1.5 Meter

There should not be any metallic part in the full body harness.

Lead MAKE: KARAM /LIFEGEAR/UFS/HONEYWELL

6.2.5.4 Flex Chem Full View Safety Goggles – Shall be used to protect workers eyes from foreign materials and flying particles. Mandatory for all personnel working at BRPL O&M. Safety goggles shall meet the following feature:

1. Acetate lens for special applications requiring superior chemical resistance.
2. Industrial version of tough and popular first responder goggles.
3. Soft Flex low profile frosted frame for increased comfort.
4. Comfortable headband with length adjustment.
5. Indirect venting for comfortable, long lasting wear can be worn with safety helmets and over prescription spectacles.

6. Sight Gard + premium anti-fog coating (EN 166 “N”) with good anti- scratch properties.

Technical Specification:

Weight	95g.
Lens thickness	1.0mm
Overall width	173mm
Overall length	90mm
Bridge	47.6mm
Lens base	5.5 curve
Lens size	86.1mm verticle, 174mm diagonal
Headband	Adjustable length at max.440mm(long enough to fit together with helmets)
Material & colors	
Lens	Acetate clear, coating, Sightgard + anti-fog according to EN 166 “N” & anti scratch.
Body	PVC smoke
Headband holder	Nylon
Headband	Adjustable grey elastic fixed on frame side parts
Marking / Approvals	
Standard number	EN 166
Frame marking	MSA EN 166 34-FT CE
Lens marking	2C-1.2 MSA 1 FT N CE
Filter class	2C (Ultra violet radiation with enhanced color recognition)
Scale number	1.2: luminous trasmittance-89%
Optical class	1 (best class, for permanent wear)
Mechanical resistance	F (low energy impact 45m/s) T (at extreme temperature -5 to +55° C)
Resistance to	N(distorted vision due to lens fogging)
UV filter	99.9%
Ordering information	10145578-FlexiChem Sightgard + clear , 6x

Lead MAKE: MSA / UVEX/ UFS/3M/KARAM

6.2.5.5 Electrical Insulating Hand Gloves – Shall be used to prevent electric shock based upon the hazards/risks involved in a particular activity. Safety goggles shall meet the following features:

- Breakthrough manufacturing process for exception dry grip.
- Soft and flexible for enhanced tactility, high dexterity and wearer comfort.

- Ergonomic design featuring tapered fingers to reduce hand fatigue.
- Relaxed wrist for easy on/off.

	For LT work	For HT work
Length	360mm	360mm
Class	2	0
Thickness	3.6mm	1mm
Proof test voltage	20000	5000
Maximum use voltage	11000	1000
Tensile strength	>16mpa[Mega Pascal]	
Puncture resistance	>18N/mm [Newton per mili meter]	
Elongation at break	>600% [Stretching length]	
Tension set	<15%	

- It should be resistant to oil, acid, ultra violet rays and very low temperature.
 - Each pair of glove should be marked with class, category, month & year of manufacturing, CE logo, batch no. and certified laboratory no.
 - EN certified to electrical and thermal hazards,
 - EN certified to thermal & electrical hazards to confirm EN 60-903,
 - EN certified to mechanical hazard to EN-388
- Lead MAKE: Honeywell / ANSELL/CATU

6.2.5.6 Arc Protection Face Shield

- a) ATPV value is 10 cal/cm²
- b) It shall have a slotted hard hat and chin guard
- c) Visible light transmission (VLT) shall be 70%
- d) It should have anti fog lens
- e) It should have a provision for replacement of lens and brackets.
- f) It should cover the complete face and the complete neck region.
- g) It must not hinder the work. Must be comfortable for the height jobs as well as in the ground.
- h) Carry bag for the kit.

Lead MAKE: Oberon/Honeywell

6.2.5.7 Certificates required for all PPEs:

1. Manufacturer Certificate
2. Test Certificate
3. Authorization of Dealership/Distribution ship

The copy of all the certificates shall be submitted to safety department within 4 weeks of agreement of contract.

7.0 Integrated Management System & Audits

- 7.1 The Contractor shall work in the framework of Integrated Management System (IMS) and shall maintain documentation as prescribed in the IMS Manual of BRPL. IMS Manual can be obtained directly from site engineer/Division Head/Respective Head.
- 7.2 All contractors during their currency of contract shall strive to continuously improve and demonstrate strict compliance to ISO 9001, 14001 & 45001 standards of BRPL.
- 7.3 To verify compliance and to continually improve the management system, all contractors shall be subjected to both internal & external audits.

8.0 Medical Examination

- 8.1 The contractor shall arrange a medical examination of all his employees including his sub-contractor employees like lineman, ALM, supervisor, Fitter, welders, gas cutters, drivers and all the workers supposed to work at height (and any other trade specified deemed necessary by BRPL at the time of deployment then annually) before employing, after illness or injury, if it appears that the illness or injury might have affected his fitness and, thereafter, once in every year as per the provisions of applicable laws or as prescribed by BRPL with proper record.
- 8.2 Records of medical examination as described above shall be maintained at the contractor premises and a copy of the same shall be submitted to Safety Department within 4 weeks of agreement of contract.
- 8.3 No person about whom the Contractor knows or has reason to believe that he is a deaf or he has a defective vision or he has a tendency to giddiness shall be required or allowed to work in any O&M operation or other construction work which is likely to involve a risk of any accident either to the worker himself or to any other person.

9.0 Working at Height

- 9.1 The Contractor shall ensure that all works carried out at a height of 2 Meter or more shall only be started after obtaining a permit to work at height, which shall be issued as per the procedure of BRPL by authorized personnel.
- 9.2 The contractor shall ensure that all control measures mentioned and agreed through above work permit or as deemed necessary by BRPL are enforced and complied all the time during activities carried out at height.
- 9.3 Full body harness and ladder along with the required PPEs shall be used during height work.
- 9.4 Barricading cone and tape shall be used along with creation of proper safety zone.

10.0 Reporting of Near Miss/ Incidents / Dangerous Occurrences

- 10.1 In case of any incident/ accident occurs during the O&M activities undertaken by the Contractor thereby causing a dangerous occurrence or near miss or any minor or major or fatal injury to his employees due to any reason, whatsoever, it shall be sole responsibility of the Contractor to promptly inform the same to Department Head in prescribed form and also to all authorities envisaged under the applicable laws.

11.0 Suspension of Work

- 11.1 BRPL shall have the right at its sole discretion to suspend the work till compliance of safety norms, if in its opinion the work is being carried out in such a way that it may cause accidents and endanger the safety of the persons and / or property, and / or equipments.
- 11.2 In such cases, the contractor shall be informed in writing about the nature of hazards and possible injury /accident and he shall comply to remove all shortcomings promptly. Decision of BRPL shall be conclusive and binding on the Contractor in such aspects.
- 11.3 The contractor shall not be entitled to damages / compensation for suspending of work due to

safety reasons and the period of such stoppage of work will not be taken as an extension of time for completion of the facilities as per the work order and will not be the ground for waiver of levy of liquidated damages.

- 11.4 The contractor shall follow and comply with all safety Rules of BRPL, relevant provisions of applicable laws pertaining to the safety of workmen, employees plant and equipment as may be prescribed from time to time without any demur, protest or contest or reservation. In case of any nonconformity between statutory requirement and safety rules of the BRPL referred above, the latter shall be binding on the contractor unless the statutory provisions are more stringent.

12.0 OHS Appreciation Policy

- 12.1 If the contractor observes all the safety rules and codes, statutory laws and rules during the period of the contract awarded by the BRPL and no accident occurs then BRPL may consider the performance of the contractor and safety score card will be prepared. The best contractor will be appreciated by suitable "SAFETY AWARD" as per scheme as may be announced separately from time to time.

13.0 Safety Motivational Scheme for Contractor Employee

- 13.1 All contractors must reward their employee monthly for best worker in term of complying safety norms. They should honour with a gift of Rs. 500/- (five Hundred) with commendation certificate to motivate others towards safety compliance. The record with photograph should kept with them & also to be submitted to BRPL safety department. Contractor may ask to BRPL safety people for their presence during awarding time.
- 13.2 All contractors have to observe safety day/ week on 4th March to 10th march every year with proper planning and record to create safety awareness inside their organization. A detailed report of observing the same to be forwarded to safety department every year.

14.0 Guidelines for Penalty Policy Implementation

- 14.1 Total penalty shall be calculated by multiplying the number of safety violations and the penalty amount specified for such violations in **Appendix - 1. (Example – If at first offence persons are found working without safety helmet at 3 locations, the penalty would be $3 \times 2000 = \text{Rs.}6000/-$)**
- 14.2 The amount of penalty can be increased or decreased based upon the seriousness of safety violations. The decision of recommending authority shall be final one.
- 14.3 Recommending authority shall send his factual observations to Department Head and Safety Head who in turn shall either reject or approve it. If approved, he shall send it to Finance & Accounts for execution. Finance Accounts shall execute the penalty and confirm the same & shall send it back to Department Head and Safety Head.
- 14.4 Recommending Authority means the Department Head, HODs, Site Safety officer / Supervisor, representatives from OHS and other personnel authorized jointly by O&M.
- 14.5 Penalties will be imposed for delay in submission of EHS related requirements/documents mentioned in the contract. Once the contract is accepted, the requirements as mentioned in **Appendix- 2 to be submitted within 4 weeks.**
- 14.5 Safety Head may impose penalty for serious violations directly.
- 14.6 All penalties shall be imposed directly on the concerned contractors. No penalty shall be imposed on individuals.

15.0 Guidelines for Safety Appreciation Policy Implementation

- 15.1 Recommending Authority shall write comments of his Appreciation in case he observes that there is no any safety violations.

- 15.2 Recommending Authority shall send his Safety Appreciation to Safety Head who in turn shall either approve or reject it and shall send it to Site Safety Officer for keeping in records.
- 15.3 Management will appreciate the Safe Contractors for their best performance towards safety norms based upon number of safety appreciation notes.
- 15.4 Every year best Safe Contractor shall be suitably awarded. The contractor shall be selected based upon the maximum numbers of approved safety appreciation notes.
- 15.5 Any contractor who has received any penalty for a particular year shall not be entitled for Safe Contractor's Award irrespective of number of safety appreciation notes he has received.
- 15.6 Site Safety Officer will maintain the contractor wise record of penalty & safety appreciation notes and declare the results latest by 28th February of every year for the performance of previous year.
- 15.7 BRPL Management shall present a Trophy with commendation certificate of safety excellence every year on the occasion of 4th to 10th March (National Safety Day) to the contractor, who qualified the safety standard criteria.

Appendix – 1**Penalty Policy on Safety Violation**

	Type of Offense	Penalty Detail	Execution Channel
A	Not Wearing Safety Helmets Safety shoes/ Safety Goggles / Electrical insulating hand gloves/ reflective jacket/Not using electrically safe tools and equipments. (Poor quality or damaged item means noncompliance)	# First Offence - Warning Note & Rs.2000/- # Second Offence - Warning Note & Fine of Rs.5000/- # Third Offence- Note of recommendation of the concerned workmen/ supervisors for removal from deployment with BRPL& Fine of Rs.15000/-	Recommendation by OHS-Representative/Department Head Approval by Safety Head Deduction by Finance & Account
B	Not wearing Full Body Harness/fall arresters while working at a height more than 1.8 meter or where from a person may fall. Not using Safety Net to arrest falling objects and personnel. Not using Arc Protection Face Shield Not using barricading cone and tape. (Poor quality or damaged item means noncompliance)	# First Offence -Warning Note & Fine of Rs.5000/- # Second Offence - Warning Note for dismissal and a Fine of Rs.10000/- # Third Offense - -Action for the concerned Workmen/ supervisor for removal from deployment with BRPLand a fine of Rs.25000/-	Recommendation by OHS-Representative/Department Head Approval by Safety Head Deduction by Finance & Account
C	Any other unsafe work practices or condition which is considered having potential for fatality or injury to personnel.	# First Offence - Warning Note & Fine of Rs.10000/- # Second Offence - Action for the concerned workmen/ supervisors for removal from deployment with BRPL and fine of Rs.20000/-.	Recommendation by OHS-Representative/Department Head Approval by Safety Head Deduction by Finance & Account

Notes:

Refer clause No. 14 for penalty policy implementation guidelines

If there are 03 violations by an individual employee, his removal from deployment with BRPL # If there are 10 violations in one quarter, will be recommended for termination of contract order.

Appendix – 2**Penalty Policy on non - submission of EHS related requirements**

Following EHS related requirements to be submitted within 4 weeks of agreement of contract

Requirement	Penalty Detail	Execution Channel
1. Contract specific health & safety plan and HIRA (Hazard Identification & Risk Analysis)		
2. Safety supervisor training records on EHS (40 hrs training)		
3. Submission of sample of PPE's in EHS department for approval (if procured by the contractor)	Delay of 15 days- Warning Note & Consolidated Fine of Rs.5000/- on non-submission of proof of any of these mentioned 8 types of documents	
4. Bills/challan of PPE's along with test certificates (if procured by the contractor)	On every subsequent delay of 15 days- Warning Note & Consolidated Fine of Rs. 10,000/- on non-submission of proof of any of these mentioned 8 types of documents	Recommendation by OHS- Representative
5. PPE's receipt by worker (as per Appendix-3)		Approval by Safety Head
6. Medical examination record of workers		Deduction by Finance & Account
7. ID card of workers		
8. Calibration Certificates of equipment's		

FORMAT – 4.1**EMD BANK GUARANTEE**

(To be issued in a Non Judicial Stamp Paper of Rs.100/-purchased in the name of the bank)

Whereas [name of the Bidder] (herein after called the "Bidder") has submitted its bid dated [date of submission of bid] for the supply/services of [name and/or description of the goods/sevices] (here after called the "Bid"). KNOW ALL PEOPLE by these presents that WE [name of bank] at [Branch Name and address], having our registered office at [address of the registered office of the bank] (herein after called the "Bank"), are bound unto BSES RAJDHANI Power Ltd., with its Corporate Office at BSES Bhawan, Nehru Place, New Delhi - 110019, (herein after called —the "Purchaser") in the sum of (Rupees only) for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ____ day of ____ 2024. The Conditions of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form;
- or
2. If the Bidder, having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity:
 - (a) Fails or refuses to execute the contract form, if required: or
 - (b) Fails or refuses to furnish the performance security, In accordance with the instructions to Bidders/Terms and Conditions.

We undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that is its demand the purchaser will note that amount claimed by it is due to it, owing to the occurrence of one or both of the two condition(s), specifying the occurred condition or condition(s). This guarantee will remain in force up to and including 180 days after the due date of submission bid, and any demand in respect thereof should reach the Bank not later than the above date.

(Stamp & signature of the bank)

Signature of the witness(s)

FORMAT – 4.2**PROFORMA OF CONTRACT CUM PERFORMANCE BANK GUARANTEE****(TO BE ISSUED ON RS 100/- STAMP PAPER)**

This Guarantee made at _____ this [] day of [] 2024

1. WHEREAS **M/s BSES Rajdhani Power Limited**, a Company incorporated under the provisions of Companies Act, 1956 having its Registered Office at **BSES Bhawan, Nehru Place, New Delhi - 110019**, India hereinafter referred to as the “Company”, (which expression shall unless repugnant to the context or meaning thereof include its successors, administrators, executors and assigns).
2. AND WHEREAS the Company has entered into a contract for _____ (Please specify the nature of contract here) vide Contract No. _____ dated _____ (hereinafter referred to as the “Contract”) with M/s. _____, (hereinafter referred to as “Contractor”, which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include each of their respective successors and assigns) for providing services on the terms and conditions as more particularly detailed therein.
3. AND WHEREAS as per clause _____ of General Conditions of Contract, the Contractor is obliged to provide to the Company an unconditional bank guarantee for an amount equivalent to ten percent (10%) of the total Contract Value for the timely completion and faithful and successful execution of the Contract from [] pl. specify the name of Bank) having its head/registered office at [] through its branch in _____ (pl. specify the name of Branch through which B.G is issued) hereinafter referred to as “the Bank”, (which expression shall unless it be repugnant to the context or meaning thereof be deemed to include its successors and permitted assigns).
4. NOW THEREFORE, in consideration inter alia of the Company granting the Contractor the Contract, the Bank hereby unconditionally and irrevocably guarantees and undertakes, on a written demand, to immediately pay to the Company any amount so demanded (by way of one or more claims) not exceeding in the aggregate [Rs.].....(in words) without any demur, reservation, contest or protest and/or without reference to the Contractor and without the Company needing to provide or show to the Bank ,grounds or reasons or give any justification for such demand for the sum/s demanded.
5. The decision of the Company to invoke this Guarantee and as to whether the Contractor has not performed its obligations under the Contract shall be binding on the Bank. The Bank acknowledges that any such demand by the Company of the amounts payable by the Bank to the Company shall be final, binding and conclusive evidence in respect of the amounts payable by the Supplier to the Owner. Any such demand made by the Owner on the Bank shall be conclusive and binding, notwithstanding any difference between the Owner and the Contractor or any dispute raised, invoked, threatened or pending before any court, tribunal, arbitrator or any other authority.
6. The Bank also agrees that the Company at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor without proceeding against the Contractor notwithstanding any other security or other guarantee that the Company may have in relation to the Contractor's liabilities.
7. The Bank hereby waives the necessity for the Company first demanding the aforesaid amounts or any part thereof from the Contractor before making payment to the Company and further also waives any right the Bank may have of first requiring the Company to use its legal remedies against the Contractor, before presenting any written demand to the Bank for

payment under this Guarantee.

8. The Bank's obligations under this Guarantee shall not be reduced by reason of any partial performance of the Contract. The Bank's obligations shall not be reduced by any failure by the Company to timely pay or perform any of its obligations under the Contract.
9. The Bank further unconditionally and unequivocally agrees with the Company that the Company shall be at liberty, without the Bank's consent and without affecting in any manner its rights and the Bank's obligation under this Guarantee, from time to time, to:
 - (i) Vary and/or modify any of the terms and conditions of the Contract;
 - (ii) Forebear or enforce any of the rights exercisable by the Company against the Contractor under the terms and conditions of the Contract; or
 - (iii) Extend and/or postpone the time for performance of the obligations of the Contractor under the Contract;

and the Bank shall not be relieved from its liability by reason of any such act or omission on the part of the Company or any indulgence shown by the Company to the Contractor or any other reason whatsoever which under the law relating to sureties would, but for this provision, have the effect of relieving the Bank of its obligations under this Guarantee.

10. This Guarantee shall be a continuing bank guarantee and shall not be discharged by any change in the constitution or composition of the Contractor, and this Guarantee shall not be affected or discharged by the liquidation, winding-up, bankruptcy, reorganization, dissolution or insolvency of the Contractor or any of them or any other circumstances whatsoever.
11. This Guarantee shall be in addition to and not in substitution or in derogation of any other security held by the Company to secure the performance of the obligations of the Contractor under the Contract.
12. NOTWITHSTANDING anything herein above contained, the liability of the BANK under this Guarantee shall be restricted to _____ (insert an amount equal to ten percent (10%) of the Contract Value) and this Guarantee shall be valid and enforceable and expire on _____ (pl. specify date) or unless a suit or action to enforce a claim under this Guarantee is filed against the Bank on or before the date of expiry.
13. On termination of this Guarantee, all rights under the said Guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities hereunder.
14. The Bank undertakes not to revoke this Guarantee during its validity except with the prior written consent of the Company and agrees that any change in the constitution of the Bank or the Contractor shall not discharge our liability hereunder.
15. Company may assign this Guarantee to any Person or body whether natural, incorporated or otherwise under intimation to the Bank. The Bank shall be discharged of its obligations hereunder by performance in accordance with the terms hereof to such assignee without verifying the validity / legality / enforceability of the assignment.
16. This Guarantee shall be governed by the laws of India. Any suit, action, or other proceeding arising out of, connected with, or related to this Guarantee or the subject matter hereof shall be subject to the exclusive jurisdiction of the courts of Delhi, India.
Dated this day of 2024 at

(Signature)



BSES Rajdhani Power Ltd.

.....

(Name)

.....

(Designation with Bank Stamp)

Attorney as per

Power of Attorney No.....

Date.....

Beneficiary's bank detail with IFSC Code:

Beneficiary Name	: BSES Rajdhani Power Limited
Bank Name	: State Bank of India
A/c No.	: 40214783615
IFSC Code	: SBIN0009601

Vendor has to fill this form & submit along with the PERFORMANCE BANK GUARANTEE

1. Bank Email ID-----Bank Phone No-----

2. Where to Dispatched the BG -Local Address of bank -----

3. Where to Dispatched the BG Head Office Address -----

FORMAT – 4.3**NON-DISCLOSURE AGREEMENT**

THIS NON-DISCLOSURE AGREEMENT ("Agreement") is made and entered into at Delhi on the _____ day of _____, 2024

By And Between

M/s BSES Rajdhani Power Limited, a company registered under the Companies Act, 1956 and having its registered office at **BSES Bhawan, Nehru Place, New Delhi - 110019** (hereinafter referred to as the "Disclosing Party" which expression shall unless repugnant to the meaning and context mean and include its successors and permitted assigns) of the FIRST PART

And

_____, a company incorporated under the Companies Act, 1956 and having its registered office at _____, (hereinafter referred to as the "Receiving Party" which expression shall unless repugnant to the meaning and context mean and include its successors and permitted assigns) of the OTHER PART

Disclosing Party and Receiving Party are hereinafter individually referred to as the "Party" and collectively as the "Parties".

WHEREAS the Disclosing Party is in discussions with the Receiving Party for Security Management Services ("Project") and the Disclosing Party may in conjunction with the aforesaid disclose to the Receiving Party information relating to their businesses which is confidential and sensitive in nature and the Receiving Party is willing to undertake to restrict the use and further disclosure of the information in accordance with the terms and conditions set out herein:

1. The "Receiving Party" acknowledges and confirms the confidential and sensitive nature of all information, documents and material relating to Persons and entities which may be accused of or related to the theft of electricity which is a penal offense under the provisions of the electricity act 2003As well as the various data and tools which may be available by way of documents as well as other modes of proof("Project") (i) that may be disclosed or made available to the Receiving Party by the Disclosing Party or its employees/ representatives/ advisors/ consultants; (ii)Receiving Party may gain or gather from any source; (iii) Receiving Party may process or arrive at during the course of the Project; (iv) Receiving Party may have come across during its discussions with any person in the course of the Project; and (v) all negotiations and discussions between the Parties relating to the Project (all the information referred to above is hereinafter referred to as the "Confidential Information").
2. Confidential Information is understood to include but is not limited to information made available in written, machine recognizable, graphic or sample form including, without limitation, drawings, photographs, models, design or performance specifications, its analysis, compilations, studies, notes and all other information and data disclosed orally or visually which has been developed / is exclusive to the Disclosing Party and includes information provided in various meetings.

Provided, however, that Confidential Information shall not include information which (a) is, or becomes, publicly known, otherwise than through a wrongful act of the Receiving Party or its representatives; (b) is in the possession of the Receiving Party prior to receipt from the Disclosing Party or its representatives without an obligation of confidentiality; (c) is independently developed by the Receiving Party, provided that it was not derived from the Confidential Information; (d) is furnished to others by the Disclosing Party without restrictions, similar to those herein on the rights of such others to use or disclose; or (e) is approved in writing by the Disclosing Party for disclosure.

3. The Receiving Party shall not disclose the Confidential Information to any other person save

and except with the express consent in writing given by the Disclosing Party. The Receiving Party, however, may disclose such part of the Confidential Information where (i) such disclosure is in response to a valid order of a court or any other governmental body having jurisdiction over this Agreement or (ii) such disclosure is otherwise required by law, provided that Receiving Party has given prior written notice to the Disclosing Party forthwith it came to learn about such disclosure requirement or the demand for such for disclosure and made all reasonable efforts to protect the Confidential Information in connection with such disclosure.

4. The Receiving Party shall with reference to the Confidential Information take all actions as may be necessary to (i) maintain the confidentiality thereof; (ii) limit its use of such Confidential Information solely for the purpose of the Project; (iii) avoid disclosure even to any of its employees that are not associated with the Project; (iv) avoid any dissemination or publication by any of its employees/ representatives associated with the Project; (v) avoid writing about sensitive information which is disclosed verbally and is sensitive to the operations; and (vi) safeguard the Confidential Information from being accessed by any unauthorized person. Such actions shall include but not be limited to obtaining appropriate non-disclosure undertakings from its employees directly or indirectly engaged in the Project.
5. The Receiving Party hereby agrees to indemnify and hold harmless the Disclosing Party and its directors and employees from and against any damage, loss, cost or liability (including all expenses and costs of enforcing rights under the Agreement) arising out of or resulting from (i) any use or disclosure by the Receiving Party of Confidential Information in violation of the Agreement; (ii) any leakage of the Confidential Information at the end of the Receiving Party or its employees/ representatives; and (iii) breach or violation of any of the other covenants herein.
6. The Receiving Party will, promptly upon the request of the Disclosing Party, deliver to the Disclosing Party, the documents comprising the Confidential Information or any part thereof and will destroy any copies, notes, or extracts thereof, without retaining any copy thereof, except that any portion of the Confidential Information that consists of analysis and any written Confidential Information not so requested and returned, shall be retained and kept subject to the terms of this Agreement, or upon the Disclosing Party's request destroyed (such destruction to be confirmed in writing).
7. The term of this Agreement is 3 years from the date of execution of this Agreement. However, the obligation to maintain confidentiality of the Disclosing Party's information shall survive the termination of this Agreement. Any violation of this agreement may lead to termination of all the relations with the Receiving party and black listing/ debarring of the Agency for future engagements.
8. This Agreement shall be governed by the laws of India. Any dispute, difference or claim related to or arising under, out of or in connection with this Agreement shall be resolved subject to the jurisdiction of Delhi Courts.

For the Disclosing Party

Authorized Signatory

Name:

Designation:

For the Receiving party

Authorized Signatory

Name:

Designation:

FORMAT – 4.4**NO DEVIATION DECLARATION****NO DEVIATION –A (Technical)**NIT NO & DATE:DUE DATE OF TENDER:

We hereby accept all terms and conditions of the technical scope of work as mandated in the tender documents subject to the following deviations as mentioned against the applicable technical qualifying requirement:

S.NO.	SL.NO OF TECHNICAL SPECIFICATION/SCOPE OF WORK	DEVIATIONS, IF ANY

SIGNATURE & SEAL OF BIDDER

NAME OF BIDDER

Note-The above template is indicative only, May vary depending on the nature of procurement/value.

NO DEVIATION –B(Commercial)NIT NO & DATE:DUE DATE OF TENDER:

We hereby accept all terms and conditions of the commercial requirement as mandated in tender document subject to the following deviations as mentioned against the applicable commercial qualifying requirement:

S.NO.	S. NO OF COMMERCIAL REQUIREMENTS	DEVIATIONS, IF ANY

SIGNATURE & SEAL OF BIDDER

NAME OF BIDDER

Note:-It is important to explicitly include all such terms and conditions which are considered absolutely necessary to be accepted by bidder without any deviation. Tender document shall have a stipulation that deviation to such criteria shall make the bid liable for rejection.

FORMAT – 4.5**BIDDER'S COMMUNICATION DETAILS****Bidder should furnish the below details for future communication: -**

<u>GENERAL INFORMATION</u>	
NAME OF Company	
POSTAL ADDRESS	

FOR TECHNICAL QUERY:		
CONTACT PERSON & DESIGNATION	NAME	DESIGNATION
E-MAIL	MOBILE NO	TELEPHONE NO

FOR COMMERCIAL QUERY:		
CONTACT PERSON & DESIGNATION	NAME	DESIGNATION
E-MAIL	MOBILE NO	TELEPHONE NO

Note: No communication shall be entertained from any other email id, except as mentioned above. Bidder needs to inform the company if any changes in the email id on their letter head duly signed by the authorized signatory.
