



Tender Notification for

**CIVIL WORK FOR FACE-LIFTING / STRENGTHENING / RAISING OF 11KV INDOOR
SUB-STATIONS IN WEST-2 (5 NOS. DIVISIONS)**

NIT No. CMC/BR/24-25/RB/CR/AL/1178 DT: 15.02.2024

Due Date for Submission: 06.03.2024, 15:00 HRS

Due Date for Opening: 06.03.2024, 16:15 HRS

BSES RAJDHANI POWER LIMITED,

BSES Bhawan, Nehru Place, New Delhi-110019

Corporate Identification Number:

U74899DL2001PLC111527

Telephone Number: 011-49207235

Website: www.bsedelhi.com



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SECTION – I: REQUEST FOR QUOTATION

1.00 Event Information

BRPL invites sealed for **“CIVIL WORK FOR FACE-LIFTING / STRENGTHENING / RAISING OF 11KV INDOOR SUB-STATIONS IN WEST-2 (5 NOS. DIVISIONS)”**

1.01 . The bidder must qualify the requirements as specified in clause 2.0 stated below.

The sealed envelopes shall be duly super scribed as **“CIVIL WORK FOR FACE-LIFTING / STRENGTHENING / RAISING OF 11KV INDOOR SUB-STATIONS IN WEST-2 (5 NOS. DIVISIONS)”**

“NIT No. CMC/BR/24-25/RB/CR/AL/1178 DT: 15.02.2024 DUE ON DT 06.03.2024”.

Estimated cost of work	: Rs. 2.68 Cr. i/c GST
Earnest money Deposit	: Rs 1.35 Lakhs
Cost of Tender form (Non- Refundable)	: Rs. 1180/-
Duration of the Work	: As per Section-III, Clause No. 12.
Tender documents on sale	: 15.02.2024 (working days)
Date & time of Submission of Tender	: 06.03.2024 till 15:00 HRS
Date & time of opening of Tender	: 06.03.2024 till 16:15 HRS

1.02 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. The tender papers will be issued on all working days upto **06.03.2024, 1.00 PM**. The tender documents & detail terms and conditions can also be downloaded from the website **“www.bsedelhi.com-Tenders-BSES Rajdhani Power Ltd.-Open Tenders”**.

In case tender papers are downloaded from the above website, then the bidder has to enclose a separate demand draft covering the cost of bid documents.

1.02 Offers will be received up to **06.03.2024, 03:00 PM**. at the address given below. Part A of the bid shall be opened on **06.03.2024, 04:15 PM**. It is the sole responsibility of the bidder to ensure that the bid documents reach this office on or before the last date:

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

1.04 BSES Rajdhani Power Ltd reserves the right to accept/reject any or all Tenders without assigning any reason thereof and alter the quantity of materials mentioned in the Tender documents at the time of placing purchase/ work orders. Tender will be summarily rejected if:



- (a) Earnest Money Deposit (EMD) and Tender Fee of requisite amount is not deposited as per tender conditions.
- (ii) Tender is received after due date and time.

2.0 Qualification Criteria:-

(A) Qualification Criteria:-

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.

(A.1) Technical Qualifying Criteria:

a) Bidder must have executed the works of like nature and shall have extensive experience of carrying out similar types of work as specified in the attached BOQ. They should have successfully completed in preceding five years:-

Three similar completed works of executed value not less than amount equal to Rs. 27 Lakhs (i/c GST) each

Or

Two similar completed works of executed value not less than amount equal to Rs. 40 Lakhs (i/c GST) each

Or

One similar completed work of executed value not less than amount equal to Rs. 54 Lakhs (i/c GST) each

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.

(A.2) COMMERCIAL CRITERIA

(A.2.1) The bidder should have average annual turnover of Rs. 80 Lakhs. in the last three financial years i.e. FY 2020-21, FY 21-22 & FY 22-23. Bidder to provide UDIN based CA certificate / balance sheet as proof of the same. In case the audited balance sheet is not available with the bidder for 22-23, the bidder shall submit the audited balance sheet for FY 19-20 or turnover certified by the auditor of the firm for FY 22-23.

(A.2.2) Bidder must provide proof of having solvency of an amount equal to Rs. 25 Lakhs from any nationalized/ scheduled commercial bank. It should not be older than 01.04.2023.

(A.2.3) Bidder should have valid Registration No. of GST.



(A.2.4) Bidder should have PAN No. & should fulfill all statutory compliances like PF, ESI registration etc

(A.2.5) 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.

(A.2.6) The bidder should submit an undertaking certified by their auditor 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.

(A.2.7) 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 that 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.

The bidder shall submit all necessary documentary evidence to establish that the bidder meets the above qualifying requirements.

Please Note:

- i) Firms who are debarred/ blacklisted in other utilities /BSES & in India in last 3 years will not be considered.



- ii) Company reserves the right to carry out technical capability/ infrastructure assessment of the bidders by facility/office inspection or by any other means and company's decision shall be final in this regard.
- iii) No joint ventures/ consortiums are allowed

Also, the Bidder shall furnish the following technical & financial documents along with the tender:

- ✓ Last Financial Years (FY 19-20 ,FY 20-21, FY 21-22 & FY 22-23) audited financial statement
- ✓ 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 31.03.2023, herein collectively called as "Statutory dues" and there is no liability over the bidder relating to deposition of such statutory dues.
- ✓ Details of constitution of the company (Proprietary/ Limited. Along with details)
- ✓ Memorandum & Articles of Association of the Company
- ✓ Organization Chart of the company
- ✓ Experience details with credentials
- ✓ No of Employees detail
- ✓ Premises Detail and addresses across India
- ✓ Work order copies along with performance certificates in support of relevant experience

BSES reserves the right to disqualify any bidder in spite of the bidders meeting the above Qualifying requirements. The decision of BRPL shall be final & binding on the bidder.

3.0 Bidding and Award Process

Bidders are requested to submit their offer strictly in line with this tender document. **NO DEVIATION IS ACCEPTABLE.** BRPL shall respond to the clarifications raised by various bidders and the same will be distributed to all participating bidders through website.

3.01 BID SUBMISSION

The bidders are required to submit the bids in 2(two) parts in original to the following address:-

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

PART A :: **TECHNO-COMMERCIAL BID** comprising of following

- EMD of requisite amount
- Non-refundable demand draft for Rs. 1180/- In case the forms are downloaded from the website
- Documentary evidence in support of qualifying criteria
- Any other relevant document
- Acceptance to Commercial Terms and Conditions viz Delivery schedule/period, Payment terms, BG, Reverse auction etc.
- Acceptance to Special Conditions of Contract.
- Duly filled, signed & stamped Bid Form(Format given in Annexure-II)

The technical bid shall also contain this tender Document with all pages signed & stamped with bidder's seal as an acceptance to the terms & conditions mentioned in this tender document.

PART B :: **FINANCIAL BID** comprising of

- Price strictly in the Format enclosed in **SECTION IV**

3.02 TIME SCHEDULE

The bidders should complete the following within the dates specified as under:

S. No.	Steps	Comprising of	Due date
1	Pre-bid Queries, if any	Queries be addressed to amitava.nandi@relianceada.com , 011-49209619/ Lakshminarayanan.Annasamy@Relianceada.com , 011-49209878	21.02.2024 02:30 PM
2	PART A Technical and Commercial Bid	<ul style="list-style-type: none"> ▪ EMD of requisite amount ▪ Non-refundable demand draft for Rs. 1180/- In case the forms are downloaded from the website ▪ Documentary evidence in support of qualifying criteria ▪ Technical Literature/ list of makes etc ▪ Any other relevant document ▪ Acceptance to Commercial Terms and Conditions viz Delivery schedule/period, Payment terms, BG, Reverse auction etc. 	06.03.2024, 3:00 PM

S. No.	Steps	Comprising of	Due date
3	PART B Financial Bid	<ul style="list-style-type: none"> Price strictly in the Format enclosed(Section IV) indicating Break up regarding basic price, taxes & duties etc. 	06.03.2024, 3:00 PM

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 TECHNICAL BID & COMMERCIAL TERMS & CONDITIONS** and **Part-B FINANCIAL 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.

Part – A: Technical Bid should not contain any cost information whatsoever and shall be submitted within the due date **06.03.2024 up to 15:00 Hrs.** After techno-commercial evaluation, the qualified tenders will be informed immediately.

PART B: Financial bid will be opened after techno-commercial evaluation and only of the qualified bidders.

PART C: Reverse auction 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 reverse auction process shall be governed by the terms and conditions enclosed as Annexure-II in this tender document. Training/details shall be provided to bidders before participation in auction.

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 is final.

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.

4.0 Award Decision

4.01 Company intends to award the business on a lowest bid basis, so contractors 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.

4.02 The Company reserves all the rights to award the contract to one or more bidders so as to meet the delivery requirement or nullify the award decision without any reason.

4.03 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.

4.04 The bidding firms are advised to quote their rates accordingly. BRPL reserves the right to reject the bids quoted with abnormally higher or abnormally lower 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.

4.05 In case any contractor is found unsatisfactory during the execution process, the award will be cancelled and BRPL reserves the right to award work to other.

5.0 Market Integrity

We have a fair and competitive marketplace. The rules for bidders are outlined in the Terms & Conditions. Bidders must agree to these rules prior to participating. In addition to other remedies available, we reserves 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 & Condition. Bidders who violate the marketplace rules or engage in behavior that disrupts the fair execution of the marketplace can be restricted to length of time, depending upon the seriousness of the violation. Examples of violations include, but are not limited to:

- Failure to honor prices submitted to the marketplace.
- Breach of the terms published in Request for Quotation/NIT.
- Misrepresentation of facts.

6.0 Confidentiality

All information contained in this RFQ 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 RFQ documents remain the property of BRPL and all bidders are required to return these documents to BRPL upon request.

Bidders who do not honor these confidentiality provisions will be excluded from participating in future bidding events.

7.0 Contact Information

Technical / Commercial clarification, if any, as regards this RFQ shall be sought in writing and sent by post/courier to following address:

	Technical	Commercial
Contact Person	Addl. V.P. (Civil) BRPL. Copy to :Head Contracts	Head Contracts
Mail ID	banwari.meena@relianceada.com	amitava.nandi@relianceada.com , Lakshminarayanan.Annasamy@Relianceada.com
Addresses	33KV Grid S/stn Building, Adhchini, New Delhi -	C&M Deptt. 1 st Floor, C-Block, BSES Rajdhani Power Ltd. BSES Bhawan, Nehru Place, New Delhi-110019



SECTION – II: INSTRUCTIONS TO BIDDERS

A. GENERAL

BSES Rajdhani power Ltd, hereinafter referred to as “The Company” are desirous for Rate Finalization for rain water harvesting system at various office buildings, grids & other locations in BRPL as notified in this tender document.

1.0 SCOPE OF WORK:

CIVIL WORK FOR FACE-LIFTING / STRENGTHENING / RAISING OF 11KV INDOOR SUB-STATIONS IN WEST-1(5 NOS. DIVISIONS)

Major scope of work includes :

S.No.	Name of Work
1	Civil Work for Face-lifting/ Strengthening/ Raising Of 9 nos. 11kv Indoor Sub-Stations in Division Najafgarh
2	Civil Work for Face-lifting/ Strengthening / Raising Of 14nos. 11kv Indoor Substations in Division Uttam Nagar
3	Civil Work for Face-lifting/ Strengthening/Raising Of 26 nos. 11kv Indoor and Outdoor Substations in Division Mohan Garden and Jaffarpur
4	Civil Work for Face-lifting / Strengthening / Raising of 09 nos. 11kv Indoor Sub-Stations in Division Vikaspuri

Detailed specifications/ scope of work along with BOQ for work is mentioned in **SECTION-IV**

3.0 DISCLAIMER

- 3.01** This Document includes statements, which reflect various assumptions, which may or may not be correct. Each Bidder/Bidding Consortium 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.
- 3.02** 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.
- 3.03** Though adequate care has been taken while issuing the Bid document, the Bidder should satisfy itself that Documents are complete in all respects. Intimation of any discrepancy shall be given to this office immediately.
- 3.04** 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).



4.0 COST OF BIDDING

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

B. BIDDING DOCUMENTS

5.01 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:

- | | |
|-----------------------------------|----------------|
| (a) Request for Quotation (RFQ) | - Section - I |
| (b) Instructions to Bidders (ITB) | - Section - II |
| (c) Commercial Terms & Conditions | - Section -III |
| (d) Bill of Quantity/Price Format | - Section -IV |

5.02 The Bidder is expected to examine the Bidding Documents, including all Instructions, Forms, Terms and Specifications. Failure to furnish all information required for the Bidding Documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect will result in the rejection of the Bid.

6.0 AMENDMENT OF BIDDING DOCUMENTS

6.01 At any time prior to the deadline for submission of Bids, the Company may for any reasons, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents by Amendment or by issuing corrigendum to the NIT at the website of the company.

6.02 The Amendment shall be part of the Bidding Documents, pursuant to Clause 5.01, and the bidder shall hereby agree to have received and taken into consideration of the amendments in their submitted bids hence the same shall be binding on them.

6.03 In order to afford prospective Bidders 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.

C. PREPARATION OF BIDS

7.0 LANGUAGE OF BID

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



8.0 DOCUMENTS COMPRISING THE BID

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

- (a) Bid Form, Price & other Schedules (STRICTLY AS PER FORMAT).
- (b) All the Bids must be accompanied with the required EMD as mentioned in the Section-I against each tender.

9.0 BID FORM

9.01 The Bidder shall submit “Original” Bid Form and the appropriate Price Schedules and technical specifications enclosed with the Bidding Documents.

9.02 EMD

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.

Name of Beneficiary : BSES RAJDHANI POWER LIMITED
A.c No. : 40214783615
Branch Address : Industrial Finance Branch,
14-15 Floor, Jawahar Vyapar Bhawan,
1, Tolstoy Marg, New Delhi.

Type of A/c Cash Credit

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.

10.0 BID PRICES

10.01 Bidders shall quote for the entire Scope of work with a break-up of prices for individual items. The tenderer 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.

Prices quoted by the Bidder shall be **“Firm”** and not subject to any price adjustment during the performance of the Contract. **A Bid submitted with an adjustable price will be treated as non -responsive and rejected.**

11.0 BID CURRENCIES

Prices shall be quoted in Indian Rupees Only.

12.0 PERIOD OF VALIDITY OF BIDS

12.01 Bids shall remain valid & open for acceptance for a period of 180 days from the date of opening of the Bid.

12.02 Notwithstanding Clause 12.01 above, the Company may solicit the Bidder's consent to an extension of the Period of Bid Validity. The request and the responses thereto shall be made in writing and sent by Fax/post/courier/e-mail.

13.0 ALTERNATIVE BIDS

Bidders shall submit Bids, which comply with the Bidding 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 Bidding Documents.

14.0 FORMAT AND SIGNING OF BID

14.01 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 pursuant to Clauses 15.0 and 16.0.



14.02 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.

14.03 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 initialed by the person or persons signing the Bid.

D. SUBMISSION OF BIDS

15.0 SEALING AND MARKING OF BIDS

15.01 Bid submission: One original (hard copies) of all the Bid Documents shall be sealed and submitted to the Company before the closing time for submission of the bid.

15.02 The Technical Documents and the EMD shall be enclosed in a sealed envelope and the said envelope shall be super scribed with — Technical Bid & Commercial Terms & Conditions “. The price bid shall be inside another sealed envelope with super scribed —“Financial Bid”. Both these envelopes shall be sealed inside another big envelope. All the envelopes should bear the Name and Address of the Bidder and marking for the Original. The envelopes should be super scribed with —“Tender Notice No. & due date of opening.”

15.03 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.

16.0 DEADLINE FOR SUBMISSION OF BIDS

16.01 The original Bid, together with the required copies, must be received by the Company at the address specified not **later than 3.00 PM on 06.03.2024.**

16.02 The Company may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with Clause 9.0, in which case all rights and obligations of the Company and Bidders previously subject to the deadline will there after be subject to the deadline as extended

17.0 ONE BID PER BIDDER

Each Bidder shall submit only one Bid by itself. No Joint Venture is acceptable. A Bidder who submits or participates in more than one Bid will cause all those Bids to be rejected.

18.0 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.

19.0 MODIFICATIONS AND WITHDRAWAL OF BIDS



19.01 The Bidder is not allowed to modify or withdraw its Bid after the Bid's submission.

E. EVALUATION OF BID

20.0 PROCESS TO BE CONFIDENTIAL

Information relating to the examination, clarification, evaluation, 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 that Bidder's Bid.

21.0 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.

22.0 PRELIMINARY EXAMINATION OF BIDS / RESPONSIVENESS

- 22.01** 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.
- 22.02** 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.
- 22.03** Prior to the detailed evaluation, Company will determine the substantial responsiveness of each Bid to the Bidding Documents including production capability and acceptable quality of the Goods offered. A substantially responsive Bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviation.
- 22.04** Bid determined as not substantially responsive will be rejected by the Company and/or the Company and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

23.0 EVALUATION AND COMPARISON OF BIDS

- 23.01** The evaluation of Bids shall be done based on the delivered cost competitiveness basis.
- 23.02** 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. The Technical Proposals and the Conditional ties 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.

23.03 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) Work completion schedule
- (b) Conformance to Qualifying Criteria
- (c) Deviations from Bidding Documents

Bidders shall base their Bid price on the terms and conditions specified in the Bidding Documents. The cost of all quantifiable deviations and omissions from the specification, terms and conditions specified in Bidding Documents shall be evaluated. The Company will make its own assessment of the cost of any deviation for the purpose of ensuring fair comparison of Bids.

23.04 Any adjustments in price, which result from the above procedures, shall be added for the purposes of comparative evaluation only to arrive at an "Evaluated Bid Price." Bid Prices quoted by Bidders shall remain unaltered.

F. AWARD OF CONTRACT

24.0 CONTACTING THE COMPANY

24.01 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.

24.02 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.

25.0 THE 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.

26.0 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 further that 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 progress of project & provided he agrees to come to the lowest rate.

27.0 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.

28.0 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 responsive, techno-commercially acceptable and evaluated to be the lowest (L1). The successful Bidder shall be required to furnish a letter of acceptance within 7 days of issue of the letter of intent /Notification of Award by Company.

29.0 CORRUPT OR FRAUDULENT PRACTICES

29.01 The Company requires that the Bidders observe the highest standard of ethics during the procurement and execution of the Project. In pursuance of this policy, the Company:

- (a) Defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "Corrupt practice" means behavior 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
 - (ii) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement 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.

29.02 Furthermore, Bidders shall be aware of the provision stated in the Terms and Conditions of Contract.

SECTION – III: TERMS AND CONDITIONS

1.0) DEFINITIONS:

The following terms shall have the meaning hereby assigned to them except where the context otherwise requires:

- a. Company shall mean BSES Rajdhani Power Limited, having its office at BSES Bhawan, Nehru Place, New Delhi – 110019 and shall include its authorized representatives, agents, successors and assigns.
- b. Engineer in Charge (EIC) shall be the person authorized by the Company or from time to time duly appointed by the Company for the purpose of the contract.
- c. Contractor shall mean the successful Tenderer / vendor to whom the contract has been awarded.
- d. Sub-Contractor shall mean the persons, firm or company to whom any part of the contract has been sublet by the Contractor with the prior written consent of the Company.
- e. Contract, shall mean and include the general terms and conditions, technical specifications, drawings, priced bill of quantities, schedule of rates and prices, if any, tender, Company's letter of intent, the work order and any correspondence letters concerned to the tender, when completed.
- f. Site, shall mean the actual place in over or under which, permanent works or temporary works is to be executed by the Contractor.
- g. Contract Price shall mean the sum named in the letter of acceptance, subject to such additions thereto and /or deductions there from as may be made under the provisions hereinafter contained.
- h. Temporary Works shall mean all temporary works of every kind required in or about the execution or maintenance of the works.
- i. Permanent Works shall mean the permanent works to be executed and maintained in accordance with the Contract.
- j. Specifications shall mean specification referred to in the tender and any modification thereof or addition thereto as may, from time to time be instructed by the Company/ the Structural Consultant.
- k. Drawings shall mean the drawings issued along with this tender and any modification in such drawings issued by the Structural Consultant/ the Company from time to time.



- l. Approved, shall mean approved in writing by Company including subsequent written confirmation of previous verbal approval and “approval” means approval in writing by Company, including as aforesaid.

m. Language and Measurement:

The order issued to the contractor by the company and all correspondence and documents relating to the order placed on the contractor shall be written in English language.

Metric System shall be followed for all dimensions, units etc., the mode of measurement shall be as per IS 1200.

n. Cost:

The word “Cost” shall be deemed to be all inclusive, firm price basis and also including overhead costs and all taxes whether on or off the site.

o. ENGINEER IN-CHARGE:

The term "Engineer In-Charge" shall mean the Company's nominated representative for the purpose of carrying out the work. For this order Engineer in Charge shall be Addl. VP, Civil Maintenance, West, BRPL or his nominated representative.

2.0) PERFORMANCE BANK GUARANTEE:

- 2.1) The contractor to furnish Security Performance Bank Guarantee issued on behalf of Contractor in the prescribed format within fifteen (15) days from the date of issuance of Work Order for due performance of this Contract.
- 2.2) The security Performance Bank Guarantee shall be of five percent (5%) of total contract value and shall be valid till completion of contract, plus three (3) months towards claim period.
- 2.3) Performance Bank Guarantee shall be issued from any nationalized bank as per Company format.
- 2.5) The Company shall reserve the right to invoke the performance bond unconditionally and without recourse to the Contractor, if there is failure to perform any part of the Contract for whatsoever reason. This clause is pertaining to performance of contractual obligations and the decision of Company shall be final in this regard.
- 2.6) In the event, in Company's sole judgment, if the Contractor has fulfilled all its obligations under this Contract, Company shall release the performance bank guarantee without interest, within seven (7) days from the last date up to which the performance bank guarantee is to be kept valid or if it is assessed by the Company that Contractor has not fulfilled its obligation, then the performance bank guarantee shall be extended by the Contractor till that period as requested by the Company.



3.0) TERMS OF PAYMENT:

3.1) Payment for works

3.1.1) 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 Addl. VP, Civil Maintenance, West, BRPL. 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.

3.1.2) 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.

3.2) 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.
- e) 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).

3.3) 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.

3.4) 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.

4.0) TAXES & DUTIES:

Prices are inclusive of all taxes and duties except GST leviable by State or Central Government or local bodies including any duties which may be levied by the Govt. during currency of this order. IT as per applicable rate will be deducted from your bills as Tax Deduction at Source (TDS).



However GST as applicable shall be paid extra on submission of GST Registration and self declaration on your letter head stating that you have deposited/or will deposit the Tax as per the applicable GST laws.

Any statutory variations i.e. increase/decrease in Taxes / Duties introduces by central Govt. / State Govt. of shall be reimbursed/recovered to/from Contractor against documentary evidence and proof.

4.1) 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.

4.2) 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.

4.3) For releasing of the payment kept on hold on account of GST supplier shall submit payment proof i.e GST Portal screenshot reflecting name of Recipient/Purchaser alongwith 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 proof of payment of GST as mentioned above is not submitted.

4.4) further, the recipient/purchaser shall also be entitled to recover any financial loss incurred (including tax, interest and penalty) due to non-compliance or non-filing of GSTR-1 and GSTR-3B by the supplier.

4.5) In case where delivery of goods is being made on FOR site basis, the Supplier 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. Also, Supplier is responsible for releasing of goods from Authority whether CGST/SGST. Delay in supply due to seizure of goods shall attract liquidated damages as per Order / Contract provisions.

5.0) TENDER RATES & PRICES ALL INCLUSIVE:

- 5.1) 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.
- 5.2) 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.

- 5.3) 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.

6.0) MATERIALS & WORKMANSHIP:

6.1) Quality Assurance Programme:

The Contractor before the start of work shall submit for approval a quality assurance programme 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 programme and any failure attributable to the Contractor shall attract the penal provisions determined by the EIC.

6.2) Quality of materials and workmanship and tests:

6.2.1) 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 Annexure-VI attached with this tender document 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 Annexure-VII.



6.2.2) 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.

6.3) 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.

6.4) 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.

6.5) 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.

6.6) 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.



7.0) 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.

8.0) 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 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.

9.0) 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.

10.0) 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".

11.0) 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.

- 11.1) The Contractor shall strictly control the labour so that the site is not polluted, made dirty or littered with debris, wastes or the likes.
- 11.2) 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.

11.3) 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.

11.4) 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.

12.0) **TIME & PERIOD:**

Time is the essence of this Project and the Project shall be completed within time period as given below from the date of issue of Letter of Intent or Work Order whichever is earlier, including mobilization period and monsoon.

Name of Work	Completion time period
Civil Work for Face-lifting/ Strengthening/ Raising Of 9 nos. 11kv Indoor Sub-Stations in Division Najafgarh	9 Months
Civil Work for Face-lifting/ Strengthening / Raising Of 14nos. 11kv Indoor Substations in Division Uttam Nagar	9 Months
Civil Work for Face-lifting/ Strengthening/Raising Of 26 nos. 11kv Indoor and Outdoor Substations in Division Mohan Garden and Jaffarpur	9 Months
Civil Work for Face-lifting / Strengthening / Raising of 09 nos. 11kv Indoor Sub-Stations in Division Vikaspuri	9 Months



The Contractor shall within 7 (seven) days of the issue of letter of intent or work order whichever is earlier provide a detailed execution program regarding the Project taking into account the following including restricted working hours due to residential area for the approval of the Company:

The Contractor shall carryout the works as per the approved schedule / program of work.

13.0) 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.

14.0) 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.

15.0) RELEASE OF INFORMATION AND CONFIDENTIALITY:

The Contractor shall not communicate or use in advertising, publicity, sales release or in any medium photograph or reproduction of the works under this contract, or description of the site, dimensions, quantity or any other information concerning the works unless prior written permission is obtained from Company. The Contractor shall keep all the information obtained directly or indirectly through appointment of this contract confidential and shall not reveal the same to any other party without the prior written permission of the Company. The technical information, drawing and other related documents forming part of order and the information obtained during the course of execution 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, drawings, records and other documents 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.

This technical information, drawing and other related documents shall be returned to the Company with all approved copies and duplicates including drawing/plans as are prepared by the Contactor during the execution of this order, if any, immediately after they have been used for agreed purpose.

In the event of any breach of these provisions, the contractor shall indemnify the Company against any loss, cost or damage or claim by any party in respect of such breach.

16.0) SITE REPRESENTATIVE, SITE SUPERVISION AND ADVANCE INTIMATION:

- 16.1) 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).
- 16.2) 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.
- 16.3) 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.
- 16.4) 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.

17.0) 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.

18.0) 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.

19.0) SAFETY REGULATIONS:

- 19.1) 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.
- 19.2) The Contractor shall indemnify the Company from any consequence arising due to contractor's failure in respect to safety compliance.
- 19.3) 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.
- 19.4) 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.
- 19.5) 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.
- 19.6) 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.
- 19.7) 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.

20.0) 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.

21.0) 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.

22.0) 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.

23.0) STATUTORY OBLIGATIONS:

The Contractor shall take all steps as may be necessary to comply with the various applicable laws/rules including the provisions of contract labour (Regulation & Abolition Act) 1970 as amended, Minimum wages Act, 1984, Workman Compensation Act, ESI Act, PF Act, Bonus Act and all other applicable laws and rules framed there under including any statutory approval required from the Central/State Governments, Ministry of Labour. Broadly, the compliance shall be as detailed in **ANNEXURE I** enclosed.

Before issue of Work order it would be mandatory for the Contractor to furnish the Company the permanent PF code no, ESI registration, registration under W.C.T Act.

The bidder for carrying out any construction work, must get themselves registered with the Registering Officer under Section 7 of the Building and Other Construction Workers Act, 1996 and rules made thereto by the concerned State Govt .and submit certificate of Registration, issued from the Registering Officer of the concerned State Govt. (Labour Dept.). As per this Act, the tenderer shall be levied a cess @1% of cost of construction work, which would be deducted from each bill. Cost of material, when supplied under a separate schedule item, shall be outside the purview of cess The Tender shall also comply with all provisions of the said Act applicable to him.

24.0) MEASUREMENT OF WORK:

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

25.0) ENVIRONMENTAL, HEALTH & SAFETY PLAN:

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. Contractors must comply with these requirements:

- a) Comply with all of the elements of the EHS Plan and any regulations applicable to the work.
- b) Comply with the procedures provided in the interests of Environment, Health and Safety.



- c) Ensure that all of their employees designated to work are properly trained and competent.
- d) 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 suppliers' instructions.
- e) Make arrangements to ensure that all employees designated to work on or visit the site, present themselves for site inspection prior to commencement of work.
- f) Provide details of any hazardous substances to be brought onsite.
- g) 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.
- i. 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.



25.1 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.

1. No construction material/ debris shall be stored on metalled road.
2. 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.
3. 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.
4. 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.
5. Over loading of vehicles shall be strictly prohibited
6. The construction material at site shall be stored under wet and covered condition.
7. The dumping sites for temporarily storing the excavated earth shall be properly levelled, watered and rehabilitated by plantation to avoid flying of dust.
8. The worker at the site shall be sensitized to adopt / observe the dust controlled measures in true spirit.
9. If any C&D 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.
10. Wet jet in grinding and stone cutting is being permitted at site.
11. The necessary record for dust control is being maintained by the department on day to day basis and being monitored regularly.

The Execution vendors 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. Concerned agency is liable for the penalties / other action by the authorities, The Agency shall indemnify BRPL from all liabilities on this account.



25.2 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. Permission of the **Tree Officer** is to be taken before the initiation of any civil work, which are likely to be made within a distance of 2mts from any existing tree. Which is within **two meters radius** from any existing tree, **the permission of the Tree Officer shall have to be taken as a mandatory condition**. In case there is non-compliance of the aforesaid condition of taking permission from the Tree Officer, the same shall entail **strict penalty**. Request you to kindly ensure due compliance with the directions.
5. No roots shall be cut during the excavation work.
6. Not to lean any materials against or chain mechanical plants to the trunk of the trees.
7. Avoid any soil contamination from oil, gasoline, paint and paint thinner or other chemicals.
8. No concrete or construction or repairing work shall be done at least within two (2) meter radius of the trunk of trees.
9. 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**”

26.0) GENERAL CONDITIONS:

- 26.1) 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.
- 26.2) In the event of any ambiguity, the work order shall supersede LOI & all other correspondence and conditions of contract if furnished earlier.
- 26.3) 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.
- 26.4) 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.
- 26.5) 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.

27.0) INSURANCE:

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

27.1) WORKMEN COMPENSATION:

The Contactor 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.

27.2 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.

27.3 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.

28) GUIDELINES FOR WORKING IN COVID19 SITUATION:

Looking to the present Covid19 situation, contractor shall ensure that the work carried out in the field by their staff shall be as per the guidelines issued by BRPL & MHA from time to time.



Further, the contractor shall be required to provide to their staff masks/ sanitizers/ all PPE required for working in Covid19 situation. The contractor shall further ensure to work as per the guidelines of BRPL Engineer in charge.

29.0 TERMINATION OF CONTRACT:

If in case the Contractor;

- a) becomes bankrupt or insolvent, has a receiving order issued against it compounds with its creditors, or if the Contractor is a corporation a resolution is passed or order is made for its winding up (other than a voluntary liquidation for the purposes of amalgamation or reconstruction) a receiver is appointed over any part of its undertaking or assets or if the Contractor takes or suffers any other analogous action in consequence of debt.
- b) Assigns or transfers the Contract or any right or interest therein in violation of the provision of given work to sub-contractor.
- c) In the judgment of the Company, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Sub-clause

“Corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in Contract execution.

“Fraudulent practice” means misrepresentation of facts in order to influence a procurement process or the execution of a Contract detriment to Company and includes collusive practice among Tenderers (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

- d) Has abandoned or repudiated the Contract
- e) Has without valid reason failed to commence work on the Facilities promptly or has suspended days after receiving a written instruction from the Company to proceed.
- f) Persistently fails to execute the Contract in accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just cause.
- g) Refuses or is unable to provide sufficient materials, services or labour to execute and complete the Facilities in the manner specified in the program furnished and at



rate of progress that give reasonable assurance to the Company that the Contractor can attain completion of the Facilities by the time for completion.

The Company may, without prejudice to any other rights it may possess under the Contract, give a notice to the Contractor stating the nature of the default and requiring the Contractor to remedy the same. If the Contractor fails to remedy or to take steps to remedy the same within fourteen (14) days of its receipt of such notice the Company may terminate the Contract forthwith by giving a notice of termination to the Contractor.

In case, Contractor fails to carry out the work as specified in the schedule or left in between, it will be got done through any other agency at contractors' risk and cost, the same shall be recovered from the amount payable to the Contractor.

In case the Contractor fails to start work / to carry out the work within the specified period i.e. mutually agreed schedule and the work is not found to be satisfactory, the Company reserves the right to terminate the contract, at any stage without assigning any reasons thereof. In such case, the Company shall have the right to forfeit the entire / part amount of EMD / Security Deposit.

Termination by Employer for Convenience

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

30.0) SETTLEMENT OF DISPUTES/ ARBITRATION:

30.1) To the best of their ability, the parties hereto shall endeavor to resolve amicably between themselves all disputes arising in connection with this work order. If the same remain unresolved within thirty (30) days of the matter being raised by either party, either party may refer the dispute for settlement by arbitration. The arbitration shall be undertaken by sole arbitrator jointly appointed by the parties. In case failure by the parties in appointing the sole arbitrator, the same shall be appointment under the provisions of Arbitration and Conciliation Act 1996 and the award of the said sole arbitrator shall be final and binding upon the parties. The arbitration proceeding shall be conducted in accordance with the provisions of the Indian Arbitration & Conciliation Act, 1996 and the venue of such arbitration shall be in the city of Delhi only. The language of Arbitration shall be English.

31.0) 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.

32.0) VARIATIONS AND EXTRA ITEMS:



- 32.1) 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.
- 32.2) 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) All extra or additional work done on the instructions of the Engineer In Charge shall be valued at the rates and prices set out in the Contract. If the Contract does not contain any rates or prices applicable to the extra or additional work, then suitable rates or prices shall be agreed upon between Company and the Contractor as per the following, in the order of preference:
- (i) The rate shall be derived from any one of the quoted rates for similar items of work in the tender.
 - (ii) In case similar items are not available in the tender, then rates shall be worked out as per the following:
 - a) The direct cost of labour including indirect charges thereon. The labour components shall be computed wherever possible from the related BIS Codes and the quantity of materials to be based on consumption factor as per standard norms or as accepted by the EIC.
 - b) The material cost inclusive of taxes, levies, fees, duties etc. as delivered to the site. Proof of cost in form of an invoice to be submitted along with the extra work claim along with other working documents.
 - c) The Plant & Equipment cost inclusive of hire charges of plant & equipment and operational charges as per standard norms or as accepted by the EIC.
 - d) In addition the Contractor shall be entitled to payment towards overheads and profit.
- 31.8) 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.
- 31.9) 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.
- 31.10) 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.



31.11) 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.

32.0) 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.

33.0) FORCE MAJEURE:

If either Party is unable to carry out his obligations under this Contract due to an Act of God, war, riot, blockade, strike (i.e. national/ state or city), lockout, flood or earthquake or Government orders/ restrictions not within the control of the parties hereto which results in an inability, in spite of due diligence of either party in performing its obligation in time, this Contract shall remain effective, but the obligation which the affected party is unable to carry out shall be suspended for a period equal to the duration of the relevant circumstances provided that :

- a) The non-performing party shall give the other Party prior written notice describing particulars of the inability including but not limited to the nature of occurrence with its expected duration and the steps which the non-forming parties is taking to fulfill its obligation.
- b) Upon receipt of such notice, the other party shall discuss the matter with the non-performing party with a view to help the non-performing party to fulfill its obligations. This clause does not envisage financial assistance.
- c) If in any event the Force Majeure situation continues for a period of three weeks, both the parties shall meet again and discuss whether the Contract can be amended to overcome the Force Majeure situation so that Project can proceed further.

Notwithstanding anything contained to the contrary it is clarified that economic hardship, non-availability of material, labour and transport shall not constitute Force Majeure. The overall responsibilities and obligations of the parties shall not be excused by reasons of Force Majeure situation.

Notwithstanding the above if the Force Majeure continues for a period of three months or more in that event without prejudice to the rights of the parties, the Company shall have the right thereafter to terminate this contract.

34.0) INDEMNITY:

Contractor shall indemnify and save harmless Company against and from any and all liabilities, claims, damages, losses or expenses arising due to or resulting from:



- 34.1) any breach, non-observance or non-performance by contractor or its employees or agents of any of the provisions of this Contract.
- 34.2) any act or omission by contractor or its employees or agents.
- 34.3) any negligence or breach of duty on the part of contractor, its employees or agents including any wrongful use by it or them of any property or goods belonging to or by Company or any other third party at site including adjoining neighbors.
- 34.4) Contractor shall at all times indemnify Company against all liabilities to other persons, including employees or agents of Company or other contractors for bodily injury, damage to property or other loss which may arise out of or in consequence of the execution or completion of Project and against all costs charges and expenses that may arise.

35.00 RISK & COST:

If the Contractor fails to execute the work as per specification / as per the direction of Engineer's In-change within the scheduled period and even after the extended period, the contract shall get cancel and 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 the Contractor.

36.00 SECRECY CLAUSE:

36.1 The technical information, drawing and other related documents forming part of this Work Order and the information obtained during the course of investigation under this Work Order shall be the Company's exclusive property and shall not be used for any other purpose except for the execution of this Work 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 Work Order.

36.2 These technical information, drawing and other related documents shall be returned to the Company with all approved copies and duplicates including drawing/plans as are prepared by the Contractor during the executions of this Work Order, if any, immediately after they have been used for agreed and approved purpose.

36.3 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.

36.4 The provisions of this Clause shall remain effective for a period of five (5) years from the expiry or termination of this Work Order.

36.5 The Contractor shall not use the name 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.



37.00 NOTICE:

All notices, requests, consents, waivers or other communication required or permitted hereunder shall be in writing and in English and shall be deemed properly served: (i) if delivered by hand and received by an authorized employee or officer of the Party, (ii) 3 days after being given to a reputed courier with a reliable system for tracking delivery, (iii) upon receipt of confirmation receipt when sent by facsimile; or (iv) 14 days after the date of dispatch by certified or registered mail, postage prepaid, return receipt requested; (v) when sent by electronic mail. All notices and other communication shall be addressed as follows:

A Party may change its address and/or addressee for notification purposes at any time during the term hereof by giving the other Party written notice in accordance with the terms hereof and the date on which such change will become effective.

38.00 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.bsedelhi.com) also, which shall be treated as a part of the WO.

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 WO.

In event of any such breach, irrespective of whether it causes any loss/damage, company (BRPL) shall have the right to recover loss/damage from Contractor.

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

39.00 ACCEPTANCE:

Acceptance of the tender implies and includes acceptance of all terms and conditions enumerated in the tender in the technical specification and drawings made available to Contractor consisting of general conditions, detailed scope of work, detailed technical specification & detailed equipment, drawing. Complete scope of work and the Contractors and Company contractual obligation are strictly limited to the terms set out in the tender. No amendments to the concluded tender shall be binding unless agreed to in writing for such amendment by both the parties.

SECTION IV :BILL OF QUANTITY/PRICE FORMAT**Issue to M/s: -****Estimated cost:-Item Rate****Earnest money:-Rs 1.35 Lac.****Completion period:- As per Section-III, Clause No. 12**

**NAME : CIVIL WORK FOR FACE-LIFTING / STRENGTHENING / RAISING OF 11KV
INDOOR SUB-STATIONS IN WEST-2 (5 NOS. DIVISIONS)
NIT No. CMC/BR/24-25/RB/CR/AL/1178 DT: 15.02.2024**

S.No.	Name of Work	BRPL Estimated Cost (in Rs. incl. GST @18%) (A)	% Discount on “A”
1	Civil Work for Face-lifting/ Strengthening/ Raising Of 9 nos. 11kv Indoor Sub-Stations in Division Najafgarh	49,81,671	
2	Civil Work for Face-lifting/ Strengthening / Raising Of 14nos. 11kv Indoor Substations in Division Uttam Nagar	72,03,359	
3	Civil Work for Face-lifting/ Strengthening/Raising Of 26 nos. 11kv Indoor and Outdoor Substations in Division Mohan Garden and Jaffarpur	53,90,530	
4	Civil Work for Face-lifting / Strengthening / Raising of 09 nos. 11kv Indoor Sub-Stations in Division Vikaspuri	91,91,522	

NOTE :	
1	The BRPL Estimated Cost has been mentioned against each work. The line item wise break-up for each work is attached as Appendix - 1 of this tender document.
2	The bidder shall only quote % discount against each work as given in price format . The % discount offered by the bidders for each work shall be applied on pro-rata basis on each line item(line item wise breakup for each work attached as Appendix -1).
3	Please note that 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 bound on the bidders.
4	The Company reserves all the rights to award the contract to one or more bidders so as to meet the delivery requirement or nullify the award decision without any reason
5	All material to be arranged by the contractor and all test certificates are to be furnished by the contractor as per BRPL requirement.
6	I / We have read the terms and conditions with specifications, schedule of quantities and other relevant details pertaining to work and agree to abide by them.
7	I / We agree to carry out the above said work for total value (In Figures) (In Words) at the rates specified in schedule of quantities.
	<p style="text-align: right;">Signature.....</p> <p style="text-align: right;">Name &</p> <p style="text-align: right;">Address.....</p> <p style="text-align: right;">.....</p>

APPENDIX-I**(1) NAME OF WORK : CIVIL WORK FOR FACE-LIFTING/ STRENGTHENING/
RAISING OF 9 NOS. 11KV INDOOR SUB-STATIONS IN DIVISION NAJAFGARH**

<u>NAME OF WORK : CIVIL WORK FOR FACE-LIFTING/ STRENGTHENING/ RAISING OF 9 NOS. 11KV INDOOR SUB-STATIONS IN DIVISION NAJAFGARH</u>					
S.NO.	DESCRIPTION OF ITEM	Qty	UNIT	BRPL RATE	AMOUNT
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.	35.37	Cum	243.00	8594.91
2	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)	20.37	Cum	5365.00	109285.05
3	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)	53.11	Cum	5647.00	299912.17

4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	90.71	Cum	215.00	19502.65
5	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: 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	1.62	Cum	7952.00	12882.24
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	12.47	Cum	6247.00	77900.09
7	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)	3.88	Cum	7094.00	27524.72
8	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)	1.48	Cum	8639.00	12785.72
9	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete.	32.87	Sqm	261.00	8579.07
10	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform.	83.17	Sqm	650.00	54060.50
11	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	26.40	Sqm	516.00	13622.40
12	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts.	39.01	Sqm	682.00	26604.82
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.	1776.86	KG	76.00	135041.36
14	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).	14.79	Cum	7220.00	106783.80

15	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.	374.26	KG	78.00	29192.28
16	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.	1334.23	KG	94.00	125417.62
17	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 cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, 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.	144.24	Sqm	725.00	104574.00
18	Providing and fixing glass strips in joints of terrazo/ cement concrete floors 40 mm wide and 4 mm thick.	322.86	MTR	67.00	21631.62
19	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 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 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.	10.00	Each	226.00	2260.00
20	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 Engineerin-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 Engineerin- 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	60.82	sqm	1291.00	78518.62

	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.				
21	12 mm cement plaster of mix 1:4 (1 cement: 4 coarse sand)	287.62	Sqm	260.00	74781.20
22	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement: 4 coarse sand)	325.50	Sqm	300.00	97650.00
23	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	86.60	Sqm	214.00	18532.40
24	Neat cement punning	316.35	Sqm	57.00	18031.95
25	Washed stone grit plaster on exterior walls height upto 10 metre 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 15 mm cement plaster 1:1/ 2:2 (1 cement: 1/2 coarse sand : 2 stone chipping 10 mm 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).	2234.59	Sqm	835.00	1865882.65
26	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 specifications and direction of the Engineer-in-charge : 20 mm wide and 15 mm deep groove	3351.90	MTR	53.00	177650.70
27	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster.	48.34	Sqm	70.00	3383.80
28	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	367.95	Sqm	111.00	40842.45
29	Regrading terracing of mud phaska covered with tiles or brick, in cement mortar by dismantling tiles or bricks, removing mud plaster, preparing the surface of mud phaska to proper slope, relaying mud plaster gobri leaping and tiles or bricks, grouted in cement mortar 1:3 (1 cement : 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.	132.48	Sqm	490.00	64915.20
30	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)	6.43	Cum	1702.00	10943.86

31	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.	11.27	Cum	2483.00	27983.41
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	13.88	Cum	1440.00	19987.20
33	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	2565.00	Each	4.00	10260.00
34	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	1.00	Each	256.00	256.00
35	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	60.00	Each	413.00	24780.00
36	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 per direction of the engineer-in-charge; for the following grades of concrete. All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg /cum. 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.	12.18	Cum	8741.00	106465.38
37	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	5.40	Cum	639.00	3450.60

38	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.	2254.16	SQM	38.00	85658.08
39	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.	1018.85	SQM	137.00	139582.45
40	Supplying and stacking at site. Good earth	30.16	Cum	529.00	15954.64
41	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :100x60x2.50 mm	165.00	Each	72.00	11880.00
42	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.	18.99	cum	186.00	3532.14
43	P/f & embedding PVC pipes in the masonry/RCC surrounded by 12 mm thick cement mortar of the same mix as of masonry- 150 mm dia	1.00	MTR	313.00	313.00
44	Cutting holes upto 23x23x25 cm in walls & making good the same after fixing hangers in CC 1 :2 :4(1 Cement : 2 Coarse sand : 4 Graded stone agg. 20 mm nominal size)	82.00	Each	76.00	6232.00
45	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.	14.00	Each	316.00	4424.00
46	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 mm centre to centre & two no. hooks of 12 mm dia bar for lifting giving finishing top surface & grade of cement concrete M-20.	19.26	Sqm	1609.00	30989.34
47	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	48.34	Sqm	28.00	1353.52
48	Grouting of Brick tiles with mixture of Cement mortar and polymer compound in the ratio of 1 Cement : 3 Fine Sand and 200 ml Polymer compound per bag of cement. The polymer compound will be of approved make such as Dr. Fixit, Tape Crete or equivalent, After cleaning of old joints, including wetting the surface up to full saturation before application. The surface will be kept wet for at least for four days. The rates includes the cost of all materials, labour & T&P etc. complete as per directions of Engineer-in-Charge.	145.09	Sqm	67.00	9721.03

49	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.	3.39	Sqm	803.00	2722.17
50	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.	2.00	Sqm	323.00	646.00
51	Repair of compound gate / S.G. Gate / Tr Gate made up of welded mesh fencing by welding at site i/c P/f new hinges and replacing any damaged members like pipe, sq. bars, MS flat, weldedmesh / MS sheet etc. (Payments for new materials used if any, shall be made seperately under the respective head)	61.52	Sqm	78.00	4798.56
52	Providing and fixing M.S. Hinges madeout of 40x40 mm sq bar including drilling holes & making rod of size 10 mm so that the movement is free when inserted and welding the same to the posts and door frame complete as required.	5.00	pair	360.00	1800.00
53	Removing of damaged / broken / twisted IRC welded mesh fencing panels repairing of damaged / broken members , replacing new members if required, setting right the fencing panel in proper shape and size as per site requirement, re-fixing of panel at old location / new location in proper position and required alignment, Rate includes the cost of all labour , T & P , welding rods, welding machine, etc complete. The cost of structural steel and nut bolts, washers, IRC welded Mesh etc., if required will be paid separately.	18.52	Sqm	76.00	1407.52
SUB-TOTAL : PART A CIVIL WORKS					4161484.89
PART B : ELECTRICAL WORKS					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR 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. FR PVC insulated copper conductor single core cable etc as required.Group A	13.00	Point	860.00	11180.00
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	21.00	Point	1002.00	21042.00

3	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	1.00	Point	1244.00	1244.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR 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	35.00	Metre	233.00	8155.00
5	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR 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	35.00	Metre	283.00	9905.00
6	Supplying and fixing 5 A to 32 A rating, 240/415 V, 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	1.00	Each	217.00	217.00
7	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, 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 way, Double door .	1.00	Each	1871.00	1871.00
8	S / F metal boxes : Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.: 200 mm x 300 mm x 100 mm deep.	1.00	Each	475.00	475.00
9	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	7.00	Each	303.00	2121.00
10	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.	19.00	Each	447.00	8493.00
11	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	7.00	Each	413.00	2891.00

12	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	25.00	Each	530.00	13250.00
13	Providing and fixing Bulkhead Luminaire of Phillips or equivalent make including the cost of drilling holes in walls/ ceiling pvc gutties screws and making connections etc complete including lamp Cat no NXC 101 1XGLS 60W.	1.00	Each	697.00	697.00
SUB-TOTAL : PART B ELECTRICAL WORKS					81,541.00
TOTAL : PART A +PART B					42,43,025.89
ADD GST @18%					7,63,744.66
TOTAL AMOUNT PART A+ PART B INCL GST					50,06,770.55
PART C : RECOVERY					
1	Recovery on account of disposal of : AS IS WHERE IS bases after demolishing of the damaged unserviceable steel members / sheet etc. of different size from the site as per direction of Engineer-In-Charge.	477.90	KG	-23.00	-10991.70
2	Recovery on account of serviceable bricks.	2565.00	Each	-5.50	-14107.50
SUB-TOTAL : RECOVERY					-25099.20
FINAL AMOUNT					49,81,671.35

(2) NAME OF WORK : CIVIL WORK FOR FACE-LIFTING/ STRENGTHENING / RAISING OF 14NOS. 11KV INDOOR SUBSTATIONS IN DIVISION UTTAM NAGAR

<u>NAME OF WORK : CIVIL WORK FOR FACE-LIFTING/ STRENGTHENING / RAISING OF 14NOS. 11KV INDOOR SUBSTATIONS IN DIVISION UTTAM NAGAR</u>					
S.NO.	DESCRIPTION OF ITEM	Qty	UNIT	BRPL RATE	AMOUNT
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.	47.12	Cum	243.00	11,450.16
2	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)	45.09	Cum	5,365.00	2,41,907.85
3	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)	78.41	Cum	5,647.00	4,42,781.27
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited	274.55	Cum	215.00	59,028.25

	layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
5	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: 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	2.84	Cum	7,952.00	22,583.68
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	28.39	Cum	6,247.00	1,77,352.33
7	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)	14.02	Cum	7,094.00	99,457.88
8	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	182.93	Sqm	261.00	47,744.73
9	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	21.87	Sqm	682.00	14,915.34
10	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level: Cold twisted bars	1,105.30	KG	76.00	84,002.80
11	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)	23.69	Cum	7,220.00	1,71,041.80
12	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.	1,104.72	KG	78.00	86,168.16
13	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.	3,739.46	KG	94.00	3,51,509.24
14	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 cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's	408.48	Sqm	725.00	2,96,149.45

	specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.				
15	Providing and fixing glass strips in joints of terrazo/ cement concrete floors 40 mm wide and 4 mm thick	580.00	MTR	67.00	38,860.00
16	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 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 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.	22.00	Each	226.00	4,972.00
17	Providing and fixing precoated galvanised iron profile sheets (size, shape 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 polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-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.	68.85	sqm	569.00	39,175.65
18	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, 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 polyester top coat 15-18 microns using self drilling/ self tapping screws complete Ridges plain (500 - 600mm).	7.50	MTR	382.00	2,865.00
19	12 mm cement plaster of mix 1:4 (1 cement: 4 coarse sand)	555.04	Sqm	260.00	1,44,310.40
20	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement: 4 coarse sand)	394.83	Sqm	300.00	1,18,449.00
21	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	49.22	Sqm	214.00	10,533.08
22	Neat cement punning	361.37	Sqm	57.00	20,598.09

23	Washed stone grit plaster on exterior walls height upto 10 metre 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 15 mm cement plaster 1:1/ 2:2 (1 cement: 1/2 coarse sand : 2 stone chipping 10 mm 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).	2,665.44	Sqm	835.00	22,25,642.40
24	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 specifications and direction of the Engineer-in-charge : 20 mm wide and 15 mm deep groove	3,998.19	MTR	53.00	2,11,903.81
25	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).	108.86	Sqm	141.00	15,349.26
26	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	689.83	Sqm	111.00	76,571.13
27	Regrading terracing of mud phaska covered with tiles or brick, in cement mortar by dismantling tiles or bricks, removing mud plaster, preparing the surface of mud phaska to proper slope, relaying mud plaster gobri leaping and tiles or bricks, grouted in cement mortar 1:3 (1 cement : 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.	340.06	Sqm	490.00	1,66,629.40
28	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)	11.26	Cum	1,702.00	19,164.52
29	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	23.42	Cum	1,440.00	33,724.80
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	5,337.00	Each	4.00	21,348.00

31	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 2.4m 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)	105.92	MTR	257.00	27,221.44
32	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	120.00	Each	413.00	49,560.00
33	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.	2,965.14	SQM	38.00	1,12,675.32
34	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	1,402.15	SQM	137.00	1,92,094.55
35	Supplying and stacking at site. Good earth	262.83	Cum	529.00	1,39,037.07
36	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :100x60x2.50 mm	212.00	Each	72.00	15,264.00
37	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.	8.90	cum	186.00	1,655.40
38	Supplying and stacking at site.Stone screening 13.2 mm nominal size (Type A)	14.22	Cum	1,581.00	22,481.82
39	P/f & embedding PVC pipes in the masonry/RCC surrounded by 12 mm thick cement mortar of the same mix as of masonry- 150 mm dia	1.00	MTR	313.00	313.00
40	Cutting holes upto 23x23x25 cm in walls & making good the same after fixing hangers in CC 1 :2 :4(1 Cement : 2 Coarse sand : 4 Graded stone agg. 20 mm	42.00	Each	76.00	3,192.00

	nominal size)				
41	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.	25.00	Each	316.00	7,900.00
42	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 mm centre to centre & two no. hooks of 12 mm dia bar for lifting giving finishing top surface & grade of cement concrete M-20.	89.55	Sqm	1,609.00	1,44,085.95
43	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	14.41	Sqm	28.00	403.48
44	Grouting of Brick tiles with mixture of Cement mortar and polymer compound in the ratio of 1 Cement : 3 Fine Sand and 200 ml Polymer compound per bag of cement. The polymer compound will be of approved make such as Dr. Fixit, Tape Crete or equivalent, After cleaning of old joints, including wetting the surface up to full saturation before application. The surface will be kept wet for at least for four days. The rates includes the cost of all materials, labour & T&P etc. complete as per directions of Engineer-in-Charge.	268.65	Sqm	67.00	17,999.55
45	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.	22.44	Sqm	323.00	7,248.12
46	Repair of compound gate / S.G. Gate / Tr Gate made up of welded mesh fencing by welding at site i/c P/f new hinges and replacing any damaged members like pipe, sq. bars, MS flat, weldedmesh / MS sheet etc. (Payments for new materials used if any, shall be made seperately under the respective head)	116.60	Sqm	78.00	9,094.80

47	Providing and fixing M.S. Hinges madeout of 40x40 mm sq bar including drilling holes & making rod of size 10 mm so that the movement is free when inserted and welding the same to the posts and door frame complete as required.	8.00	pair	360.00	2,880.00
48	Removing of damaged / broken / twisted IRC welded mesh fencing panels repairing of damaged / broken members , replacing new members if required, setting right the fencing panel in proper shape and size as per site requirement, re-fixing of panel at old location / new location in proper position and required alignment, Rate includes the cost of all labour , T & P , welding rods, welding machine, etc complete. The cost of structural steel and nut bolts, washers, IRC welded Mesh etc., if required will be paid separately.	314.08	Sqm	76.00	23,870.08
SUB-TOTAL : PART A CIVIL WORKS					60,33,166.06
PART B : ELECTRICAL WORKS					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR 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. FR PVC insulated copper conductor single core cable etc as required.Group A	15.00	Point	860.00	12,900.00
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	23.00	Point	1,002.00	23,046.00
3	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	3.00	Point	1,244.00	3,732.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR 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	55.00	Metre	233.00	12,815.00
5	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR 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	35.00	Metre	283.00	9,905.00
6	Supplying and fixing 5 A to 32 A rating, 240/415 V, 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	3.00	Each	217.00	651.00

7	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, 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 way, Double door	1.00	Each	1,871.00	1,871.00
8	S / F metal boxes : Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.: 200 mm x 300 mm x 100 mm deep.	3.00	Each	475.00	1,425.00
9	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	7.00	Each	303.00	2,121.00
10	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.	19.00	Each	447.00	8,493.00
11	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	7.00	Each	413.00	2,891.00
12	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	27.00	Each	530.00	14,310.00
13	Providing and fixing Bulkhead Luminaire of Phillips or equivalent make including the cost of drilling holes in walls/ ceiling pvc gutties screws and making connections etc complete including lamp Cat no NXC 101 1XGLS 60W.	3.00	Each	697.00	2,091.00
SUB-TOTAL : PART B ELECTRICAL WORKS					96,251.00
TOTAL : PART A +PART B					61,29,417.06
ADD GST @18%					11,03,295.07
TOTAL AMOUNT PART A+ PART B INCL GST					72,32,712.12
PART C : RECOVERY					
1	Recovery on account of serviceable bricks.	5,337.00	Each	-5.50	-29353.50
SUB-TOTAL : RECOVERY					-29353.50
FINAL AMOUNT					72,03,358.62

**(3) NAME OF WORK : CIVIL WORK FOR FACE-LIFTING/
STRENGTHENING/RAISING OF 26 NOS. 11KV INDOOR AND OUTDOOR
SUBSTATIONS IN DIVISION MOHAN GARDEN AND JAFFARPUR**

**NAME OF WORK : CIVIL WORK FOR FACE-LIFTING/ STRENGTHENING/RAISING OF 26 NOS. 11KV
INDOOR AND OUTDOOR SUBSTATIONS IN DIVISION MOHAN GARDEN AND JAFFARPUR**

S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT	BRPL RATE	AMOUNT
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.	72.14	Cum	243.00	17530.02
2	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)	21.98	Cum	5365.00	117922.70
3	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)	78.15	Cum	5647.00	441313.05
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	311.72	Cum	215.00	67019.80
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	29.38	Cum	6247.00	183536.86
6	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)	56.90	Cum	7094.00	403648.60
7	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).	0.24	cum	9092.00	2182.08
8	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	331.25	Sqm	261.00	86456.25

9	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	72.77	Sqm	650.00	47300.50
10	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	11.51	Sqm	516.00	5939.16
11	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	8.64	Sqm	682.00	5892.48
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level: Cold twisted bars	3578.45	KG	76.00	271962.20
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)	9.19	Cum	7220.00	66351.80
14	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.	944.60	KG	78.00	73678.80
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.	12002.48	KG	94.00	1128233.12
16	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 cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, 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.	126.48	Sqm	725.00	91698.00
17	Providing and fixing glass strips in joints of terrazo/ cement concrete floors 40 mm wide and 4 mm thick	217.15	MTR	67.00	14549.05
18	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 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 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.	4.00	Each	226.00	904.00
19	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)	119.24	sqm	1291.00	153938.84

	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.				
20	12 mm cement plaster of mix 1:4 (1 cement: 4 coarse sand)	550.11	Sqm	260.00	143028.60
21	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement: 4 coarse sand)	331.51	Sqm	300.00	99453.00
22	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	109.95	Sqm	214.00	23529.30
23	Neat cement punning	552.11	Sqm	57.00	31470.27
24	Washed stone grit plaster on exterior walls height upto 10 metre 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 15 mm cement plaster 1:1/ 2:2 (1 cement: 1/2 coarse sand : 2 stone chipping 10 mm 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).	401.28	Sqm	835.00	335068.80
25	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 specifications and direction of the Engineer-in-charge : 20 mm wide and 15 mm deep groove	601.93	MTR	53.00	31902.29

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).	86.27	Sqm	141.00	12164.07
27	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	995.49	Sqm	111.00	110499.39
28	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)	3.13	Cum	1702.00	5327.26
29	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.	12.64	Cum	2483.00	31385.12
30	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	9.41	Cum	1440.00	13550.40
31	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	1832.00	Each	4.00	7328.00
32	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.	116.95	KG	3.00	350.85
33	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	30.00	Each	413.00	12390.00

34	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 per direction of the engineer-in-charge; for the following grades of concrete. All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg /cum. 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.	10.36	Cum	8741.00	90556.76
35	Centering and shuttering including strutting, propping etc. and removal of form work for :Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	7.56	SQM	567.00	4286.52
36	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.	471.27	SQM	38.00	17908.26
37	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	460.11	SQM	137.00	63035.07
38	Supplying and stacking at site. Good earth	298.78	Cum	529.00	158054.62
39	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :100x60x2.50 mm	208.00	Each	72.00	14976.00
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.	14.50	cum	186.00	2697.00
41	Supplying and stacking at site.Stone screening 13.2 mm nominal size (Type A)	42.06	Cum	1581.00	66496.86
42	Cutting holes upto 23x23x25 cm in walls & making good the same after fixing hangers in CC 1 :2 :4(1 Cement : 2 Coarse sand : 4 Graded stone agg. 20 mm nominal size)	4.00	Each	76.00	304.00

43	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.	10.00	Each	316.00	3160.00
44	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 mm centre to centre & two no. hooks of 12 mm dia bar for lifting giving finishing top surface & grade of cement concrete M-20.	25.39	Sqm	1609.00	40852.51
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	48.98	Sqm	28.00	1371.44
46	Grouting of Brick tiles with mixture of Cement mortar and polymer compound in the ratio of 1 Cement : 3 Fine Sand and 200 ml Polymer compound per bag of cement. The polymer compound will be of approved make such as Dr. Fixit, Tape Crete or equivalent, After cleaning of old joints, including wetting the surface up to full saturation before application. The surface will be kept wet for at least for four days. The rates includes the cost of all materials, labour & T&P etc. complete as per directions of Engineer-in-Charge.	39.75	Sqm	67.00	2663.25
47	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.	3.00	Sqm	323.00	969.00
48	Repair of compound gate / S.G. Gate / Tr Gate made up of welded mesh fencing by welding at site i/c P/f new hinges and replacing any damaged members like pipe, sq. bars, MS flat, weldedmesh / MS sheet etc. (Payments for new materials used if any, shall be made seperately under the respective head)	31.52	Sqm	78.00	2458.56

49	Providing and fixing M.S. Hinges madeout of 40x40 mm sq bar including drilling holes & making rod of size 10 mm so that the movement is free when inserted and welding the same to the posts and door frame complete as required.	6.00	pair	360.00	2160.00
50	Removing of damaged / broken / twisted IRC welded mesh fencing panels repairing of damaged / broken members , replacing new members if required, setting right the fencing panel in proper shape and size as per site requirement, re-fixing of panel at old location / new location in proper position and required alignment, Rate includes the cost of all labour , T & P , welding rods, welding machine, etc complete. The cost of structural steel and nut bolts, washers, IRC welded Mesh etc., if required will be paid separately.	326.74	Sqm	76.00	24832.24
SUB-TOTAL : PART A CIVIL WORKS					4534286.75
PART B : ELECTRICAL WORKS					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR 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. FR PVC insulated copper conductor single core cable etc as required.Group A	6.00	Point	860.00	5160.00
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	12.00	Point	1002.00	12024.00
3	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	2.00	Point	1244.00	2488.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR 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	30.00	Metre	233.00	6990.00
5	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR 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	20.00	Metre	283.00	5660.00
6	Supplying and fixing 5 A to 32 A rating, 240/415 V, 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	1.00	Each	217.00	217.00

7	S / F metal boxes : Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.: 200 mm x 300 mm x 100 mm deep.	1.00	Each	475.00	475.00
8	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	4.00	Each	303.00	1212.00
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.	12.00	Each	447.00	5364.00
10	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	4.00	Each	413.00	1652.00
11	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	14.00	Each	530.00	7420.00
12	Providing and fixing Bulkhead Luminaire of Phillips or equivalent make including the cost of drilling holes in walls/ celing pvc gutties screws and making connections etc complete including lamp Cat no NXC 101 1XGLS 60W.	1.00	Each	697.00	697.00
SUB-TOTAL : PART B ELECTRICAL WORKS					49,359.00
TOTAL : PART A +PART B					45,83,645.75
ADD GST @18%					8,25,056.24
TOTAL AMOUNT PART A+ PART B INCL GST					54,08,701.99
PART C : RECOVERY					
1	Recovery on account of disposal of : AS IS WHERE IS bases after demolishing of the damaged unserviceable steel members / sheet etc. of different size from the site as per direction of Engineer-In-Charge.	352.00	Each	-23.00	-8096.00
2	Recovery on account of serviceable bricks.	1832.00	Each	-5.50	-10076.00
SUB-TOTAL : RECOVERY					-18172.00
FINAL AMOUNT					53,90,529.99

(4) NAME OF WORK : CIVIL WORK FOR FACE-LIFTING / STRENGTHENING / RAISING OF 09 NOS. 11KV INDOOR SUB-STATIONS IN DIVISION VIKASPURI

<u>NAME OF WORK : CIVIL WORK FOR FACE-LIFTING / STRENGTHENING / RAISING OF 09 NOS. 11KV INDOOR SUB-STATIONS IN DIVISION VIKASPURI</u>					
S.NO.	DESCRIPTION OF ITEM	Qty	UNIT	BRPL RATE	AMOUNT
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.	50.81	Cum	243.00	12346.83
2	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)	71.97	Cum	5365.00	386119.05
3	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)	48.26	Cum	5647.00	272524.22
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	338.07	Cum	215.00	72685.05
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	63.26	Cum	6247.00	395185.22
6	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)	26.21	Cum	7094.00	185933.74
7	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	144.06	Sqm	261.00	37599.66
8	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	295.27	Sqm	650.00	191925.50

9	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	96.74	Sqm	682.00	65976.68
10	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level: Cold twisted bars	5918.40	KG	76.00	449798.40
11	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)	49.55	Cum	7220.00	357751.00
12	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.	1114.90	KG	78.00	86962.20
13	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.	917.17	KG	94.00	86213.98
14	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 cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, 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.	346.24	Sqm	725.00	251024.00
15	Providing and fixing glass strips in joints of terrazo/ cement concrete floors 40 mm wide and 4 mm thick	380.00	MTR	67.00	25460.00
16	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 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 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.	22.00	Each	226.00	4972.00
17	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	262.53	sqm	1291.00	338926.23

	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.				
18	12 mm cement plaster of mix 1:4 (1 cement: 4 coarse sand)	275.93	Sqm	260.00	71741.80
19	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement: 4 coarse sand)	321.71	Sqm	300.00	96513.00
20	Neat cement punning	183.77	Sqm	57.00	10474.89
21	Washed stone grit plaster on exterior walls height upto 10 metre 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 15 mm cement plaster 1:1/ 2:2 (1 cement: 1/2 coarse sand : 2 stone chipping 10 mm 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).	2995.28	Sqm	835.00	2501058.80
22	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 specifications and direction of the Engineer-in-charge : 20 mm wide and 15 mm deep groove.	4492.95	MTR	53.00	238126.35

23	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).	541.55	Sqm	141.00	76358.55
24	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	355.76	Sqm	111.00	39489.36
25	Regrading terracing of mud phaska covered with tiles or brick, in cement mortar by dismantling tiles or bricks, removing mud plaster, preparing the surface of mud phaska to proper slope, relaying mud plaster gobri leaping and tiles or bricks, grouted in cement mortar 1:3 (1 cement : 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.	427.00	Sqm	490.00	209230.00
26	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)	9.14	Cum	1702.00	15556.28
27	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.	38.68	Cum	2483.00	96042.44
28	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	53.19	Cum	1440.00	76593.60
29	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	10510.00	Each	4.00	42040.00
30	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 2.4m 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)	43.00	MTR	257.00	11051.00

31	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	80.00	Each	413.00	33040.00
32	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 per direction of the engineer-in-charge; for the following grades of concrete. All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg /cum. 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.	45.75	Cum	8741.00	399900.75
33	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	29.16	Cum	639.00	18633.24
34	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.	2747.23	SQM	38.00	104394.74
35	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	1578.39	SQM	137.00	216239.43
36	Supplying and stacking at site. Good earth	243.19	Cum	529.00	128647.51
37	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :100x60x2.50 mm	56.00	Each	72.00	4032.00

38	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.	41.88	cum	186.00	7789.68
39	Supplying and stacking at site.Stone screening 13.2 mm nominal size (Type A)	1.30	Cum	1581.00	2055.30
40	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.	22.00	Each	316.00	6952.00
41	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 mm centre to centre & two no. hooks of 12 mm dia bar for lifting giving finishing top surface & grade of cement concrete M-20.	108.30	Sqm	1609.00	174254.70
42	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.	48.00	Sqm	323.00	15504.00
43	Repair of compound gate / S.G. Gate / Tr Gate made up of welded mesh fencing by welding at site i/c P/f new hinges and replacing any damaged members like pipe, sq. bars, MS flat, weldedmesh / MS sheet etc. (Payments for new materials used if any, shall be made seperately under the respective head)	38.50	Sqm	78.00	3003.00

44	Removing of damaged / broken / twisted IRC welded mesh fencing panels repairing of damaged / broken members , replacing new members if required, setting right the fencing panel in proper shape and size as per site requirement, re-fixing of panel at old location / new location in proper position and required alignment, Rate includes the cost of all labour , T & P , welding rods, welding machine, etc complete. The cost of structural steel and nut bolts, washers, IRC welded Mesh etc., if required will be paid separately.	38.10	Sqm	76.00	2895.60
SUB-TOTAL : PART A CIVIL WORKS					78,23,021.78
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	13.00	Point	1002.00	13026.00
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	11.00	Point	1244.00	13684.00
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR 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	100.00	Metre	233.00	23300.00
4	Supplying and fixing 5 A to 32 A rating, 240/415 V, 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	11.00	Each	217.00	2387.00
5	S / F metal boxes : Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.: 200 mm x 300 mm x 100 mm deep.	11.00	Each	475.00	5225.00
6	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	17.00	Each	530.00	9010.00
SUB-TOTAL : PART B ELECTRICAL WORKS					66,632.00
TOTAL : PART A +PART B					78,89,653.78
ADD GST @18%					14,20,137.68

TOTAL AMOUNT PART A+ PART B INCL GST					93,09,791.46
PART C : RECOVERY					
1	Recovery on account of disposal of : AS IS WHERE IS bases after demolishing of the damaged unserviceable steel members / sheet etc. of different size from the site as per direction of Engineer-In-Charge.	2,628.90	Each	-23	-60464.7
2	Recovery on account of serviceable bricks.	10,510.00	Each	-5.5	-57805
SUB-TOTAL : RECOVERY					-118269.7
FINAL AMOUNT					91,91,521.76

ANNEXURE-I

The Contractor must submit the following to Engineer-In-Charge before commencement of work:

- An Electrical license. (If applicable)
- PF Code No. and all employees to have PF A/c No. under PF every Act, 1952.
- All employees to have a temporary or permanent ESI Card as per ESI Act.
- ESI Registration No.
- PAN No.
- GST Registration Number.
- Labour License under Contract Labour Act (R & A) Act 1970 (All Engineer-in-charge responsible for execution of the job should obtain a copy of Labour License as per guidelines of HR department before start of the work by the contractor.)

The Contractor must follow:

- Third party Insurance Policy before start of work.
- To follow Minimum Wages Act prevailing in the state.
- Salary/ Wages to be distributed in presence of Company's representative not later than 7th of each month and should be disbursed through ECS mode to all workers.



- d) To maintain Wage-cum-Attendance Register.
- e) To maintain First Aid Box at Site.
- f) 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) Workman Compensation Policy. (If applicable)
- h) Labour license before start of work. (If applicable)
- i) TERM INSURANCE POLICY of sum assured of Rs. 10 Lac to be submitted before commencing of work.

ANNEXURE- II

BID FORM

To

Head of Department
Contracts & Material Deptt.
BSES Rajdhani Power Ltd
I Floor, "C" Block, BSES Bhawan
Nehru Place, New Delhi-110019
Sir,

1. We understand that BRPL is desirous of carrying out in its licensed distribution network area in Delhi
2. If our Bid is accepted, we undertake to provide our services as per completion schedule mentioned in the tender document from the date of award of work order/letter of intent
3. If our Bid is accepted, we will furnish a performance bank guarantee as mentioned in the RFQ for due performance of the Contract in accordance with the Terms and Conditions.
4. 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.

5. Unless and until Letter of Intent is issued, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
6. We understand that you are not bound to accept the lowest, or any bid you may receive.

There is provision for Resolution of Disputes under this Contract, in accordance with the Laws and Jurisdiction of Contract.

Dated this..... day of..... 2023

Signature..... In the capacity of
.....duly authorized to sign for
and on behalf of (IN BLOCK

CAPITALS).....

ANNEXURE-III

FORMAT FOR EMD BANK GUARANTEE

(To be issued in a Non Judicial Stamp Paper of Rs.50/-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 of [name and/or description of the goods] (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 it’s Corporate Office at BSES Bhawan, Nehru Place, New Delhi-110019 ,(herein after called —the “Purchaser”)in the sum of Rs..... (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_____ 2023_____.

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 valid for 6(six) months after last date of receipt of tenders, 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

ANNEXURE – IV

TERMS & CONDITIONS FOR REVERSE AUCTION

In a bid to make our entire procurement process more fair and transparent, BRPL intends to use the reverse auctions through SAP-SRM tool as an integral part of the entire tendering process. All the bidders who are found as techno commercial qualified based on the tender requirements shall be eligible to participate in the reverse auction event.

Reverse auction shall be governed by following terms and conditions:

1. BRPL shall provide the user id and password to the authorized representative of the bidder. (Duly signed authorization letter in lieu of the same shall be submitted along with the bid).
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.
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. 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 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 (Part-B) 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.
7. The bidder shall be prepared with competitive price quotes on the day of the bidding event.
8. 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.
9. The prices submitted by a bidder during the auction event shall be binding on the bidder. No further communication will be there.
10. No requests for time extension of the auction event shall be considered by BRPL.
11. 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 reverse auction event.
12. In case RA is not conducted/concluded for any reason, a "final no regret" financial bid in a sealed envelope will be called for from all qualified bidders.



ANNEXURE-V
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



ANNEXURE-VI

Annexure-1(Changes In Construction Materials)

S.No	Items		Item Description	Specification/Item code	Details of Specifications		
					Existing	Proposed	
A.	Cement	1	OPC-33 grade	33 grade	Ultratech Cement Shree cement	Value of civil works less than 10 Lakhs	Value of civil works more than 10 Lakhs
		2	OPC-43 grade	43 grade	Ultratech Cement Shree cement	(PPC/OPC-43 grade) Ambuja / Ultratech Shree cement	(OPC-43 grade) Ambuja / Ultratech
		3	OPC- 53 grade	53 grade	Ultratech Cement Shree cement	(PPC/OPC-53 grade) Ambuja, Ultratech, Shree cement	(OPC-53 grade) Ambuja, Ultratech
B.	Reinforcement steel	4	Cold twisted bar	HSN Code 7214	Rathi Kamdhenu	Rathi, Kamdhenu	TATA, SAIL, Jindal
C.	Tiles Work	5	Ceramic wall tiles	HSN CODE 69072100	Kajaria Somani	Kajaria- Vego Light, Somani	
		6	Ceramic floor tiles	HSN CODE 69072100	Kajaria Somani	Kajaria- Vego Dark, Somani	
		7	Vitrified floor tiles	HSN CODE 6206	Kajaria Somani	Kajaria, Somani	
D.	Marble/Grainite	8	Raj nagar plain white marble	HSN Code 7282	Raj nagar plain white marble		
		9	Udaipur green marble	HSN Code 7282	Udaipur green		
		10	Zebra black marble	HSN Code 7282	Zebra black		
		11	Granite	Code 7282	-	Z-Black , Tan Brown	
		12	Kota Stone	HSN Code 7282	Kota Stone	Kota Stone	
E.	Door & Window	13	Plywood	HSN CODE 4412	Greenply Century	Greenply, Marino, Century	
		14	Flush door shutters	4418	Greenply Century	Greenply, Marino, Century	
		15	Hinges	HSN 8302	Godrej Hattich		
		16	Tower bolt	HSN 8302	Godrej Hattich		
		17	Handle (SS)	HSN 8302	Godrej Hattich	Godrej, Hettich, Dorset	
		18	M.S. sliding door bolts	HSN 8302	Godrej Hattich		
		19	Floor door stoper	HSN 8302	Godrej Hattich		
		20	Hydraulic door closer	HSN 8302	Doorset Hardwyn	Dorset, Ozone, Dorma	
		21	Mortice latch & lock	HSN 8302	Doorset Godrej	Dorset, Godrej	
		22	Laminates	HSN 48239019	Century Merrino	Century, Greenlam, Merrino	
		23	Veneer	HSN 44081120	Century Merrino	Century, Greenlam, Merrino	
		24	Glass	HSN 70049019	Modiguard Lata Continantal	Modiguard, Saint Gobain	
		25	Blinds	HSN Code 3925	Mac	Mac or equivalent	
		26	Floor spring	HSN 8302	Ozone HARDWIN	Dorset, Ozone, Dorma	
		27	Door closer	HSN 8302	Ozone HARDWIN		
F.	Aluminium Work	28	Aluminium sections	HSN 7606	Jindal Hindalco	Jindal, Hindalco	
		29	Angle	HSN 7308	RANA Kamdhenu	RANA, Kamdhenu	
		30	I Section	HSN 7308	RANA Kamdhenu	RANA, Kamdhenu	TATA, SAIL, Jindal

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G.	Structural Steel	31	channel	HSN 7308	RANA Kamdhenu	RANA, Kamdhenu	TATA, SAIL, Jindal
		32	Tube	HSN 7308	RANA Kamdhenu	TATA, Jindal, Apollo	
		33	IRC jali Mesh	HSN 7308	RANA Kamdhenu		
		34	Flat	HSN 7308	RANA Kamdhenu	RANA, Kamdhenu	
		35	MS sheet	HSN 7308	RANA Kamdhenu	TATA, Jindal	
H.	Paints & Putty	36	Oil bound washable distemper/ Cement primer/ Ready mixed acrylic distemper/ Water proofing cement paint	L102/0615	Asian Berger	Asian, Berger, Nerolac	
		37	Red oxide Zinc cromate/ pink or grey primer	Dulux - Aquatech	Asian Berger	Asian, Berger	
		38	Plastic emulsion/ Synthetic enamel/ aluminium paint	Asian- Royal, Dulux velvet touch	Asian Berger	Asian, Nerolac	
		39	Anti corrosive bitumastic paint	IS 9077(2001)	Shalimar Berger	Shalimar, Asian	
		40	PQP		JK	JK, Sakarni, Birla	
		41	Wall putty		Birla	JK wall putty, Birla putty	
		42	Exterior Acrylic	HS Code 3214 (APEX)	JK wall putty, Birla putty	Asian, Nerolac	
		43	White Cement	HS Code 2523	ACC Birla Ultra Tech	JK, Birla	
		44	GI Pipes	HSN 7306	Jindal TATA	Jindal, TATA	
		45	GI Fittings	HSN 7306	Uniq, ZOLOTO-M, DRP-M	Uniq, ZOLOTO-M, DRP-M	
I.	Sanitary and water supplying works	46	CPVC pipes for water supply	HSN 3917	Ashirwad, Astral	Ashirwad, Supreme, Astral	
		47	Rain water pipes & PVC fittings (SWR)	HSN 3917	Supreme, Finolex	Supreme, Finolex, Prakash	
		48	PVC pipes and fittings for sanitation works (SWR)	HSN 3917	Supreme, Finolex	Supreme, Finolex, Prakash	
		49	Upvc pipes	HSN 3917	Supreme, Finolex	Supreme, Finolex, Prakash	
		50	PVC pipes for bore well	HSN 3917	Supreme, Finolex		
		51	UPVC doors & Windows	HSN 3917	Fenesta Aluplast	Fenesta, Aluplast	
		52	Stainless steel sink	HSN 9403	Neelkanth Nirali	Neelkanth, Nirali	
		53	Indian type WC	Orissa pattern-CO117	Hindware Parryware	Hindware, Parryware	
		54	Wall mounted European type WC	Cascade NXT- CO208	Hindware Parryware	Hindware, Parryware	
		55	Floor mounted European type WC	Cascade NXT- CO217	Hindware Parryware	Hindware, Parryware	
		56	Urinal	Cascade Classic - CO583	Hindware Parryware	Hindware, Parryware	
		57	Wash basin	Cascade Classic - CO476	Hindware Parryware	Hindware, Parryware	
		58	MH/ Water tank plastic steps		KGM Pranali		
		59	Water storage tanks	CCWS	Sintex Neelkamal	Sintex, Jindal, Ganga	
		60	SFRC Manhole cover & frames	4100416	KK Manholes & Gratings Pragati	KK Manholes & Gratings, Pragati	
		61	RCC pipes	HSN 6810	Ashok Cement pipes Indian hume pipes	Ashok Cement pipes, Indian hume pipes	
		62	15mm CP Brass bib tap	(Jaquar cat no. 039)	Jaquar Hindware	Hindware, Cera	
		63	15mm CP Brass Long body bib tap	(Jaquar cat no. 031)	Jaquar Hindware	Hindware, Cera	
		64	15mm CP brass angle valve	(Jaquar cat no. 055)	Jaquar Hindware	Hindware, Cera	
		65	CP Jali	HSN code 7324	Jaquar Hindware	Hindware, Cera	

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J.	Roofing works	66	Galvanised/percoated iron profile sheet	HSN 4808	IATA JSW	TATA, JSW
		67	Gypsum board	HSN 1301	Gypsum India Saint Gobin	Gypsum India, Saint Gobin
		68	Sections for gypsum ceiling	HSN 1301	Gyp India	Gyp India
		69	False ceiling with armstrong	HSN 1301	hardwyn	Armstrong
Electricals Items (Make / Type / Specifications)						
K.	Electrical items	1	PVC conduits	HSN Code 3917	Polypack Pestoplast	Polypack , Pestoplast
		2	Switches	HSN Code 8536	Havells Anchor	Havells, Anchor
		3	Sockets	HSN Code 8536	Havells Anchor	Havells, Anchor
		4	Wires	HSN Code 8544	Havells Polycab	Havells, Polycab
		5	Wire for sumersible pump & motor	HSN Code 8544	Finolex	Finolex, Polycab
		6	MCB	HSN Code 8536	Havells Anchor	Havells Anchor
		7	MCCB	HSN Code 8536	Havells Anchor	Havells, Anchor
		8	MCCB box	HSN Code 8536	Havells Anchor	Havells, Anchor
		9	Isolators	HSN Code 8536	Havells Anchor	Havells, Anchor
		10	DB	HSN Code 8536	Havells Legrand	Havells, Legrand
		11	Tube Light			Philips, Havells
		12	Ceiling Light (600mmx600mm)			Philips, Bajaj, Havells
		13	Ceiling Light - 150mm Dia			Philips, Bajaj, Havells
		14	Exhaust Fan	HSN Code 8414	Havells Crompton	Havells, Crompton
		15	Ceiling Fan	HSN Code 8414	Havells Crompton	Havells, Crompton

APSL

21/10/23

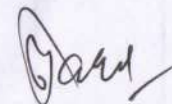
ANNEXURE-VII

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								

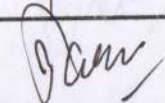


QC CHECK LIST FOR EHV 66/33KV, HOUSING/OFFICES BLDG CONSTRUCTION WORKS

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								

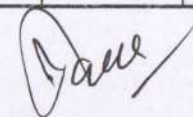
QC CHECK LIST FOR EHV 66/33KV, HOUSING/OFFICES BLDG CONSTRUCTION WORKS

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 protection PVC 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 (6/33KV/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								

Day

QC CHECK LIST FOR EHV 66/33KV/11KV, HOUSING/OFFICES MAINTENANCE WORKS

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	providedgalvainised 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 prelaminated 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								

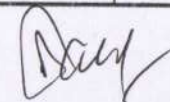
Y. Guler

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	Distempering 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 protection PVC 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.									



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								

Dr. Arun

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 Specification	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								

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.								

15	Plinth work to be completed	as per CPWD specification								
16	Plinth work to be completed	as per CPWD specification								
17	Plinth work to be completed	as per CPWD specification								
18	Plinth work to be completed	as per CPWD specification								
19	Plinth work to be completed	as per CPWD specification								
20	Plinth work to be completed	as per CPWD specification								
21	Plinth work to be completed	as per CPWD specification								
22	Plinth work to be completed	as per CPWD specification								
23	Plinth work to be completed	as per CPWD specification								
24	Plinth work to be completed	as per CPWD specification								
25	Plinth work to be completed	as per CPWD specification								
26	Plinth work to be completed	as per CPWD specification								
27	Plinth work to be completed	as per CPWD specification								
28	Plinth work to be completed	as per CPWD specification								
29	Plinth work to be completed	as per CPWD specification								
30	Plinth work to be completed	as per CPWD specification								

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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) BRP 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 CHECK LIST FOR ROAD RESTORATIONWORKS

5	Proper compaction done by vibrator to RCC/CC work & no loose concrete/ honey combing seen	As per CPWD specification							
6	Malba/ debris scrap removed and site is clear as per NGT order.	as per NGT order and site requirement							

[Handwritten Signature]