



**TENDER NOTIFICATION FOR**

**APPOINTMENT OF STRUCTURAL CONSULTANT FOR  
CHECKING THE STRUCTURAL STABILITY OF BUILDINGS  
AND GRID STATIONS IN BRPL.**

**NIT NO. CMC/BR/20-21/SV/AR/874 DT: 24.09.2020**

**DUE DATE FOR SUBMISSION: 14.10.2020 (3:30 PM)  
DUE DATE FOR OPENING: 14.10.2020 (4:00 PM)**

**BSES RAJDHANI POWER LIMITED,**

**BSES Bhawan, Nehru Place, New Delhi-110019  
Corporate Identification Number: U40109DL2001PLC111527  
Telephone Number: +91 11 399999444  
Website: [www.bsedelhi.com](http://www.bsedelhi.com)**

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**SECTION – I: REQUEST FOR QUOTATION****1.00 Event Information**

BRPL invites sealed tenders in 2 envelopes for “Appointment of structural consultant for checking the structural stability of Buildings and Grid stations in BRPL.”

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 —“**Appointment of structural consultant for checking the structural stability of Buildings and Grid stations in BRPL.**”

“**NIT NO CMC/BR/20-21/SV/AR/874 DT: 24.09.2020 DUE ON DT. 14.10.2020**”.

Estimated cost of work	: Rs 1.3 Cr. i/c GST
Earnest money Deposit	: Rs 2.6 Lakhs
Cost of Tender form (Non- Refundable)	: Rs. 1180/-
Duration of the Work	: 90 days (from date of issuance of LOI/order whichever is earlier)
Tender documents on sale	: 24.09.2020 (working days)
Date & time of Submission of Tender	: 14.10.2020 till 15:30 HRS
Date & time of opening of Tender	: 14.10.2020 at 16:00 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 **14.10.2020, 1.00 PM**. The tender documents & detail terms and conditions can also be downloaded from the website “**www.bsesdelhi.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.

1.03 Offers will be received upto **14.10.2020, 3:30 PM**. at the address given below. Part A of the bid shall be opened on **14.10.2020, 4.00 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  
1<sup>st</sup> 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:

- (i) **Earnest Money Deposit (EMD)** of Rs. 2.6 Lac/- is not deposited in shape of Bank Draft/Pay Order/Banker's Cheque/BG drawn in favour of "BSES Rajdhani Power Ltd" payable at Delhi.
- (ii) Tender is received after due date and time.

## 2.0 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) QUALIFYING CRITERIA :

The prospective bidder must qualify all of the following requirements to be eligible to participate in the bidding: (*All below mentioned criteria should be met simultaneously*).

#### **(A.1) Technical Qualifying Criteria:**

To be eligible for prequalification for Structural Consultant,

(A.1.1) The bidder must be a Civil/architectural/Structural Engineering consultancy firm. The bidder must be approved from any reputed govt agencies in India. (Like DDA, MCD, MES, PWD, CPWD, etc) for the certification of the structural stability of Civil structures.

(A.1.2) The bidder, must have a branch office in Delhi /NCR.

(A.1.3) The 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 scope of work of this tender document. They should have successfully completed in preceding five years:-

- (a) One similar project with total built-up area of 45000 sqm or amounting Rs. 60 Lakhs or more;

OR

- (b) Two or more similar projects of 30000 sqm each or amounting Rs. 40 Lakhs each or more;

OR

- (c) Three or more similar projects of 20000 sqm each or amounting Rs. 25 Lakhs each or more;

The bidder shall submit Performance Certificate supporting the above experience along with copy of contract in this regard.



(A.1.4) Bidder to provide information about three projects that has been executed in last 5 years, which are similar in scope as per this tender document. Only those projects will be considered that are satisfying the minimum eligibility criteria. (20000 sqm and above).

For each project, the summary table given below to be filled.

Project Summary	
Project name, location, and brief description	
Project owner	
Total covered area (in sq m),	
List the key buildings in the project, their height (in no of storeys), and area	
Scope of work handled by the applicant in this project	
References (name, title, tel.no/email)	

(A.1.5) Bidder to provide experience and background of the key personnel involved.

(A.1.6) Bidder must provide Recognitions, appreciation letters, (attach copy of certificates).

(A.1.7) Bidder must have experience in managing execution of Green Technologies with Griha/LEED ratings, attach copies of certificates

(A.1.8) Bidder must submit proposal for manpower deployment for this project to ensure timely completion of the project.

## **(A.2) COMMERCIAL CRITERIA**

(A.2.1) The bidder should have average annual turnover of Rs. 2 Crores during the last three financial years (i.e. FY 2017-2018, 2018-2019 & 2019- 2020). Bidder to provide UDIN based CA certificate / balance sheet as proof of the same.

(A.2.2) Bidder should have valid Registration No. of GST.

(A.2.3) Bidder should have PAN No.

(A.2.4) The bidder should give an undertaking on the company's letter head that all the documents/certificates/information submitted by them against the tender are genuine. 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 at BRPL's sole discretion.



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

**Please Note:**

- (a) Firms who are debarred/ blacklisted in other utilities in India will not be considered.
- (b) Bidder must not be involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this tender..
- (c) Company reserves the right to carry out technical capability/ infrastructure assessment of the Bidders by factory/office inspection or by any other means and company's decision shall be final in this regard.
- (d) No joint ventures/ consortiums are allowed.

Also, the Bidder shall furnish the following commercial & technical information along with the tender:

- i) Latest audited balance sheet
- ii) Detail of Banker & Cash Credit limit
- iii) Details of constitution of the company (Proprietary/ Limited/ Pvt. Ltd. Along with details)
- iv) Memorandum & Articles of Association of the Company
- v) Organization Chart of the company
- vi) Experience details with credentials
- vii) Turnover certificate issued by C.A for the last three (3) Financial Years.
- viii) Premises Detail and addresses across India

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  
1<sup>st</sup> 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.

- PART B :: **FINANCIAL BID** comprising of
- Price strictly in the Format enclosed in **SECTION V**

### 3.02 TIME SCHEDULE

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

S. No.	Steps	Comprising of	Due date
1	Technical Queries, if any	<ul style="list-style-type: none"><li>▪ All Queries related to RFQ</li></ul>	14.10.2020, 1.00 PM
2	<b>PART A Technical and Commercial Bid</b>	<ul style="list-style-type: none"><li>▪ EMD of requisite amount</li><li>▪ Non-refundable demand draft for Rs. 1180/- In case the forms are downloaded from the website</li><li>▪ Documentary evidence in support of qualifying criteria</li><li>▪ Technical Literature/ list of makes etc</li><li>▪ Any other relevant document</li><li>▪ Acceptance to Commercial Terms and Conditions viz Delivery schedule/period, Payment terms, BG, Reverse auction etc.</li></ul>	14.10.2020, 3.30 PM
3	<b>PART B</b>	<ul style="list-style-type: none"><li>▪ Price strictly in the Format</li></ul>	14.10.2020

S. No.	Steps	Comprising of	Due date
	<b>Financial Bid</b>	enclosed(Section IV) indicating Break up regarding basic price, taxes & duties etc.	3.30 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 **14.10.2020 up to 15.30 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 for any reasons, a "final no regret" financial bid in a sealed envelope will be called 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 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:

	<b>Technical</b>	<b>Commercial</b>
<b>Contact Person</b>	Addl. V.P Civil- Housing & Offices, BRPL. Copy to :Head (Contracts)	Head (Contracts)
<b>Mail ID</b>	<a href="mailto:Ajav.karan@relianceada.com">Ajav.karan@relianceada.com</a>	<a href="mailto:ananda.raj@relianceada.com">ananda.raj@relianceada.com</a> <a href="mailto:amitava.nandi@relianceada.com">amitava.nandi@relianceada.com</a> <a href="mailto:shilpa.suman@relianceada.com">shilpa.suman@relianceada.com</a>
<b>Address</b>	3 <sup>rd</sup> Floor, E-Block, BSES Rajdhani Power Ltd. BSES Bhawan, Nehru Place, New Delhi-110019	C&M Deptt. 1 <sup>st</sup> 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 Appointment of structural consultant for checking the structural stability of Buildings and Grid stations in BRPL. The Company has floated this tender for Appointment of structural consultant for checking the structural stability of Buildings and Grid stations in BRPL “ as notified in this tender document.

## 1.0 SCOPE OF WORK :

Detailed specifications/ scope of work is mentioned in **SECTION-IV of this tender document.**  
BOQ for work is mentioned in **SECTION-V of this tender document.**

## 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**

Pursuant to Clause 1.04 (i) in Section-I of this tender document, the bidder shall furnish, as part of its bid, a EMD of requisite amount as already specified in the Section-I. 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 form:

- (a) Demand Draft/Pay Order drawn in favour of BSES Rajdhani Power Ltd, payable at Delhi.

- (a) BG from a nationalized/ scheduled bank in favour of BSES Rajdhani Power Limited valid for 6(six) months after last date of receipt of tenders

The bidders who are not technically qualified, EMD shall be refunded after price bid opening. Earnest money given by all the bidders who are techno commercially qualified except the lower bidder shall be refunded within 8 (Eight) weeks after award of the work. The amount of EMD by the lowest bidder shall be returned on submission of CPBG as per tender terms.

The EMD may be forfeited in case of:

- (a) If the Bidder withdraws its bid during the period of bid validity specified by the Bidder in the Bid Form or
- (b) In the case of a successful Bidder, if the Bidder does not
- (i) Accept the Purchase Order, or
  - (ii) Furnish the required performance security BG.
- (C) Misrepresentation of facts influencing the bidding process.

## 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 120 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 3.30 P.M. on 14.10.2020.**
- 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 anytime 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 FRADULENT 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.

**2.0) PERFORMANCE BOND:**

- 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. The same shall be released after completion of the job.
- 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) 10% mobilization advance Advance shall be made along with work order which shall be adjusted in running bills.

80% payment on pro-rata completion of the entire scope of this tender document within 30 days of submission of bills duly certified by Engineer-in-Charge.

Payment shall be made to you within 30 days of receipt of your Bill at out Nehru Place office along with work completion certificate. The work completion certificate shall be issued by our Engineer-in-Charge by certifying that the work has been completed in full satisfaction of all relevant clauses applicable under the work order and all the document in support of certification to be enclosed. For Certification of work completion our Engineer-in-Charge shall be Addl. V.P Civil- Housing & Offices, BRPL or his nominated representative.

Balance 10% of payment shall be released after successful completion of the Defect Liability Period.

- 3.2) 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.

**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.

**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) 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.

**7.0) 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.

**8.0) 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.

**9.0) 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".

**10.0) 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.

- 10.1 The Contractor shall strictly control the labour so that the site is not polluted, made dirty or littered with debris, wastes or the likes.
- 10.2 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.
- 10.3 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.

- 10.4 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.

## 11.0 TIME & PERIOD:

Time is the essence of this Project and the Project shall be completed **within 90 days from the date of issue of Letter of Intent or Work Order whichever is earlier**, including mobilization period and monsoon.

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.

## 12.0) 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.

**13.0) 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.

**14.0) 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.

**15.0) SITE REPRESENTATIVE, SITE SUPERVISION AND ADVANCE INTIMATION:**

- 15.1) 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).
- 15.2) 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.
- 15.3) 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.
- 15.4) 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.

**16.0) 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 without the prior written permission of the Company. The Contractor shall submit to the Company a list of Sub-Contractor, suppliers (not less than three names) for the approval of the Company. The Company may approve all or any of the names or reject all names, which in his opinion do not meet the prerequisite qualifications. The Contractor shall re-submit a fresh list of names for approval. Further in the event that none of the names submitted by the contractor are acceptable to the Company, the Company may suggest names to the Contractor and it shall be binding upon the Contractor to accept the names suggested.

**17.0) 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.

## **18.0) SAFETY REGULATIONS:**

- 18.1) 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.
- 18.2) The Contractor shall indemnify the Company from any consequence arising due to contractor's failure in respect to safety compliance.
- 18.3) 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.
- 18.4) 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.
- 18.5) 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.
- 18.6) 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.
- 18.7) 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.

## **19.0) 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.

## **20.0) 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.

## **21.0) 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.

**22.0) 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.

**23.0) MEASUREMENT OF WORK:**

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

**24.0) 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.

**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.

**25.0) GENERAL CONDITIONS:**

- 25.1) 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.
- 25.2) In the event of any ambiguity, the work order shall supersede LOI & all other correspondence and conditions of contract if furnished earlier.
- 25.3) 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.
- 25.4) 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.

- 25.5) 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.

**26.0 THIRD PARTY INSURANCE:**

Before commencing the execution of the work the CONTRACTOR shall take third party insurance policy 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.

**27.00 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

**28.00 Insurance for Covid 19:**

Before commencing the execution of the work the CONTRACTOR shall take insurance policy for covering death against Covid 19 for the staff engaged by him for this work to insure against any loss of life which may occur during the contract. The contractor has to take "No fault liability policy" which shall have coverage of Rs. 10 Lacs per employee. The Contractor shall be responsible for on the spot same day claim settlement with the victim's legal heirs without waiting for settlement by insurance claim without any liability on BRPL. The contractor shall furnish copy of policy when demanded by BRPL. Premium charges per person per year for the coverage under this Covid policy will be reimbursed @Rs 1062/-Plus GST per person per annum

**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.

## **29.0) SETTLEMENT OF DISPUTES/ ARBITRATION:**

**29.1)** 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.

## **30.0) 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.

## **31.0) VARIATIONS AND EXTRA ITEMS**

- 31.1)** The Contractor shall carry out and complete the works in every respect in accordance with this Contract and in accordance with the directions and to the satisfaction of the Engineer in charge.
- 31.2)** The Engineer In Charge may, at his discretion, from time to time, issue further drawings and/ or written instructions, details, directions and explanations which are herein after referred to as "EIC's Instructions" in regard to:
- a) The variation or modification of the design, quality, specification or quantity of works or the omission or substitution of any work.
  - b) The timing or sequencing of work.
  - c) Any discrepancy between the drawing and / or the Bill of Quantities and / or Specifications.

- d) The removal from the site of any materials/ equipment/ resources brought thereon by the Contractor and the substitution of the same thereof.
  - e) The Execution of additional works of any kind necessary of the completion of the work.
  - f) The removal and /or re-execution of any works executed by the Contractor.
  - g) The substitution from the site of the works of any person employed there upon.
  - h) The amending and making good of any defects under clause “Defects Liability”
  - i) The opening up for inspection of any work covered up.
  - j) Changes in lines, levels, positions and dimensions of any part of the Work.
- 31.3) The Contractor shall forthwith comply with and duly execute any work comprised in such EIC’s instructions provided always that verbal instructions, directions and explanations given to the Contractor or his supervisor upon the works by the Engineer In Charge shall if involving a variation be confirmed in writing by the Contractor within seven days and the Engineer in charge’s written approval is obtained.
- 31.4) If compliance with the Engineer In Charge’s Instructions as aforesaid involves work beyond that contemplated by the Contract, then unless the same were issued owing to some breach of this Contract by the Contractor, the EIC shall pay to the Contractor the cost of the said work as an extra to be valued and as hereinafter provided.
- 31.5) No such variation shall in any way vitiate or invalidate the Contract but the value, if any, of all such variations shall be taken into account in ascertaining the amount of the final certification.
- 31.6) No such variations shall be carried out by the Contractor without instructions, in writing from the Engineer in charge. Provided that no instructions in writing shall be required for increase or decrease in the quantity of any work where such increase or decrease is not the result of an instruction given under this clause, but is the result of the quantities exceeding or being less than those stated in the Bill of Quantities. If the Engineer in charge shall consider it desirable to give any instructions verbally, the Contractor shall comply with such an instruction and any confirmation in writing of such verbal instruction given by the Engineer in charge whether before or after the carrying out of such work, shall be deemed to be an instruction in writing within the meaning of this clause. Provided further that if the Contractor shall within 7 days confirm in writing to the Engineer in charge and such confirmation shall not be contradicted in writing within 30 days by the Engineer in charge, it shall be deemed to be an instruction in writing by the Engineer in charge.
- 31.7) 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:

- 35.1) any breach, non-observance or non-performance by contractor or its employees or agents of any of the provisions of this Contract.
- 35.2) any act or omission by contractor or its employees or agents.
- 35.3) 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.
- 35.4) 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.

## **36.00 EVENTS OF DEFAULT**

### **36.01 EVENTS OF DEFAULTS:**

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

- a) Fails to complete execution of work within the terms specified in this work order.
- b) Fails to complete works in accordance with the approved schedule of works.
- c) Fails to meet requirements of specifications, drawings, and designs as approved by COMPANY.
- d) Fails to comply with any reasonable instructions or orders issued by COMPANY in connection with the works.
- e) Fails to comply with any of the terms or conditions of this work order.
- f) Fails or refusing to pay any amounts due under the Contract.
- g) Becomes insolvent or unable to pay its debts when due, or commits any act of bankruptcy, such as filing any petition in any bankruptcy, winding-up or reorganization proceeding, or acknowledges in writing its insolvency or inability to pay its debts; or the Supplier's creditors file any petition relating to bankruptcy of Supplier.
- h) Fails or refuses to perform or observe any term or condition of the Contract and such failure is not remediable or, if remediable, continues for a period of 30 days after receipt by the Supplier of notice of such failure from the company.

### **36.02 CONSEQUENCES OF DEFAULT**

- (a) If an Event of Default shall occur and be continuing, company may forthwith terminate the Contract by written notice.
- (b) In the event of an Event of Default, company may, without prejudice to any other right granted to it by law, or the Contract, take any or all of the following actions;
  - (i) Present for to the relevant bank the Performance Bond;
  - (ii) Purchase the same or similar Commodities from any third party; and/or
  - (iii) Recover any losses and/or additional expenses company may incur as a result of contractor's default.

In the event COMPANY terminates this work order, in whole or in part, on the occurrence of any event of default, COMPANY reserves the right to engage any other subcontractor or agency to complete the work or any part thereof, and in addition to any other right COMPANY may have under this work order or in law, the contractor shall be liable to COMPANY for any additional costs that may be incurred by COMPANY for the execution of the Work.



### **37.0 REPRESENTATION, WARRANTIES AND GUARANTEES :**

The contractor hereby represents warrants and guarantees that :

- i) It is legally recognized entity under the laws of India;
- ii) The contract contains valid and binding obligations and is enforceable in accordance with the terms hereof;
- iii) It has studied the technical feasibility, site conditions and other prevailing conditions and all other operational details and based on these studies carried out, has agreed to provide to the company the services as contemplated in this contract;
- iv) It has appraised itself of all applicable rules and regulations, and shall at all times comply with such rules and regulations;
- v) It shall procure vehicles and manpower suitable for the purposes of this contract to render services as contemplated in this contract;
- vi) The services would be conducted in a safe and efficient manner at the site and at all times in compliance with Good Industry Practices and requirements of the company;
- vii) It shall duly pay the duties, taxes and levies as are set out in this contract, which are to be paid by the contractor;

There is no action, suit or proceeding, at law or in equity, or to the best of its knowledge, any official investigation before or by any governmental authority, arbitration tribunal or other body pending or, to the best of its knowledge, threatened against or affecting it or any of its property, rights or assets, which could reasonably be expected to result in a material adverse effect on its ability to perform its obligations under this contract or on the validity or enforceability of this contract.

### **38.0 ASSIGNMENT**

This Work Order shall not be assigned either fully or in part by the Contractor to any third party without the consent, in writing, of the BRPL and upon such terms as are mutually agreed by both the parties hereto. BRPL may, in whole or in part, assign this Work Order to its affiliates, without the prior written consent of the Contractor. In the event this Work Order is assigned under the terms of this Clause, the assignees of the respective parties shall be bound by the terms and conditions of this Work Order and shall, if deemed necessary by the parties at the time of such assignment, undertake in writing to be so bound by this Work Order.

### **39.0 SUB-CONTRACTING / SUBLETTING:**



CONTRACTOR shall not assign or transfer the whole or any part of this Work Order or any other benefits accruing there from nor shall it subcontract / sublet the whole or any part of the Works.

**40.00 WAIVER**

Failure to enforce any condition herein contained shall not operate as a waiver of the condition itself or any subsequent breach thereof.

**41.00 RISK & COST:**

If the Contractor fails to execute the work as per specification / as per the direction of company within the scheduled period and even after the extended period, BRPL shall be having its right to terminate the agreement and to get the work executed from any other source at the Risk & Cost of the Contractor. The contractor shall be responsible to pay/reimburse the said Extra Expenditure to BRPL in 15 days of the demand raised by BRPL.

**42.00 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

**43.00 SECRECY CLAUSE:**

43.1 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.

43.2 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.

43.3 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.

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

43.5 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.

#### **44.00 ENTIRE AGREEMENT:**

This Agreement including all Schedules attached hereto contains the complete understanding between the COMPANY and the CONTRACTOR with respect to the matters contained herein and supersedes all other agreements, whether written or oral with respect to the matters contained herein.

#### **45.00 AMENDMENT:**

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

#### **46.00 NON-EXCLUSIVITY**

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

#### **47.00 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.bsesdelhi.com](http://www.bsesdelhi.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.

**48.00 ACCEPTANCE:**

Acceptance of the CONTRACT implies and includes acceptance of all terms and conditions enumerated in the CONTRACT in the technical specification and drawings made available to 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 CONTRACT. No amendments to the concluded CONTRACT shall be binding unless agreed to in writing for such amendment by both the parties

**SECTION – IV**  
**SCOPE OF WORK**

**Scope of Work** – Checking the structural stability of Buildings and Grid stations in BRPL.

The main objective is to conduct assessment of existing structures to analyze the current structural reliability in reference to earthquake readiness, serviceability & habitation and providing the restoration solutions.

BRPL wants to engage structural Engineers / consultants for conducting structural audit of 276 Nos buildings i.e office buildings, residential accommodations & Grid Substations where-ever there is a

presence of manpower and the Buildings which are having structure as First Floor & above. Similar design of buildings may be identified and grouped as per detail below:

Type of building	Nos	Description
Office buildings	115	Most of the office buildings are G+1 structure built on 10.50X 13.50m, 13.50x18.50m and 18.50x27.50m plots
Office buildings	08	These buildings are of G+2 ( Head office – NHP, 20 No. building-NHP, Adhchini, Nizamuddin, West block RKP, SCADA balaji, Maya Enclave, Distt center VKP)
Residential accommodations	100	05 types ( type I to V )
Grid Substations	53	02 Types ( 33 KV & 66 KV) Load Bearing/Framed structures

The building which is proposed to be constructed first floor in FY-20-21 in view of operational requirement have also been considered.

Scope of works are as follow for the proposed testing:

1. Visual inspection of the building including structural elements of the building.
2. Taking measurements & development of complete structural / Architectural plan of the building.
3. Identifying the critical areas from structural perspective and indicating them on drawing.
4. Comprehensive Non-destructive testing (NDT) of the RCC members. ( List of tests desired to be conducted attached as Annexure I ( No of test requirement to be decided by consultant as per site requirement. If during course of execution any other test is required then this is covered in the scope of consultant.
5. Submission of survey report which shall include following details:
  - a) Indicating type of Structure.
  - b) The condition of building w.r.t the scale of deterioration and decay of the structure and other elements.
  - c) Analysis of results for the tests conducted. (tests to be conducted in presence of EIC / BRPL representative)
  - d) DPR along with Restoration solutions for the affected members along with estimated cost / BOQ (Based on DSR-2018)for the recommended course of action for the buildings
  - e) The Proposed solution required to be based on latest codes & slandered considering all loading including earthquake as per latest practice for Delhi & NCR.

### **Deliverable**

- Detailed project report for each building consisting all test reports, structural calculations, site photographs, Estimates and estimated balance life of the building to be clearly mentioned after doing the proposed strengthening in two sets of hard copy.
- Structural, Architectural drawing in soft (AutoCAD) and two Nos Hard copy.

### **Special conditions of contracts.:**

- Consultant to use latest Available codes & standards.
- Required testing to be done from NABL approved laboratory.
- Time is the essence of this contract, works as required to be completed within 90 days of LOI.
- Consultant to submit their program within 7 days of issuance of LOI or work order whichever is earlier.
- Consultant to submit their organisation structure to be deputed at sites within 7 days of LOI including detailed C.V of manpower (Engineers) for the approval of Engineer In charge. Decision of engineer in charge will be final in this regard.

### **List of the Tests required to be conducted:**

1. Rebound Hammer.
2. Concrete core test.
3. UPV test (Ultrasonic Pulse Velocity test): Ultrasonic scanning to evaluate homogeneity and integrity of concrete.
4. Half-Cell Potential Test: To assess the severity of steel corrosion is to measure the corrosion
5. Ph value -to check alkalinity of concrete) as per relevant B.S. 5328, ACI 201.2R-92 and ACI-318-99, IS 456:2000, BS 8110.
6. Carbonation Test: Measurement of carbonation depth by phenolphthalein spray test at selected locations on RCC members of the structures covered under the study to see the depth of carbonation as per BS EN 14630:2006, BS EN 13295:2004. Ratio of Carbonation depth to cover depth is also measured to check the intensity of carbonation attack on steel bar Measurement of carbonation depth by phenolphthalein spray test at selected locations on RCC members of the structures covered under the study to see the depth of carbonation as per BS EN 14630:2006, BS EN 13295:2004. Ratio of Carbonation depth to cover depth is also measured to check the intensity of carbonation attack on steel bar
7. Water Soluble Chloride Content % (by mass of concrete) to check the risk of corrosion due to present chloride % as per IS: 14959 (Part 2) – 2001, B.S. 5328 Part 1, ACI 201. 2R-92, BS 1881 Part 124:1988, BS 8110, IS 456:2000.
8. Concrete Resistivity test.
9. Cover metre Test.
10. Ferro Scanning Test



**List of the buildings:  
Details of BRPL Buildings For Checking structural strength**

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
1	NHP	Office Bldg	1323.79	6	1	Office Bldg. at 20No. Nehru Place Market	1992	framed
2	NHP	Head Office BRPL	1367.75	4	1	BSES Bhawan Nehru Place Behind DTC Bus Terminal Nehru Place	1979	framed
3	SKT	Complaint centre(1st,2nd & 3rd Floor are being used as S/stn Flats)	224.75	4	1	S/stn Bldg at MIG Flats Saket	1980	Framed
4	NZD	DGM (Commercial) NZD & Cash Office	1851.21	4.00	1	S/stn Bldg at Nizamuddin West near petrol Pump at Ring Road	1973	mixed
5	NHP	II	48	4	1	8 Flat of Type-2	1980	framed
6		II	136.5	4		block No -40	1973	RCC framed structure
7		II	136.5	4		block No -41	1973	RCC framed structure
8		II	136.5	4		block No -42	1973	RCC framed structure
9		II	136.5	4		block No -43	1973	RCC framed structure
10		II	136.5	4		block No -44	1973	RCC framed structure
11		II	136.5	4		block No -45	1973	RCC framed structure
12		III	168	4		block No -16	1973	RCC framed structure

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
13		III	168	4		block No -17	1973	RCC framed structure
14		III	168	4		block No -18	1973	RCC framed structure
15		III	168	4		block No -19	1973	RCC framed structure
16		III	168	4		block No -20	1973	RCC framed structure
17		III	168	4		block No -21	1973	RCC framed structure
18		III	168	4		block No -22	1973	RCC framed structure
19		III	168	4		block No -23	1973	RCC framed structure
20		III	168	4		block No -24	1973	RCC framed structure
21		III	168	4		block No -25	1973	RCC framed structure
22		III	168	4		block No -26	1973	RCC framed structure
23	PJB	Div. Head(business)PJB & CHD PJB	531.00	3	1	Road no.22 East Punjabi Bagh	1985	Framed
24	PJB	Cash, MMG & Civil	577.00	3	1	Road no. 43, Punjabi Bagh	1985	Framed
25	TGN	Div.Head(business)TGN/CHD TGN	518.86	3	1	Central Mkt.,Tagore garden(CCC)	1982	Framed
26	JKP	Business (CCC),JKP & DSK-JKP	1649.88	3	1	Hari Nagar,Maya Enclave.	1980	Framed
27	VKP	Business/CHD(VKP,UTN & MGN),DSK(UTN&MGN)	1596.63	3	1	District Centre, VKP	1985	Framed

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
28	NGL	Div.Head(O&M) NGL	356.42	3	1	Bldg no. 2, Guru Harkishan Nagar,Near Mota singh school	1985	Load bearing
29	NJF	Compliant centre,SDO office	466.91	3	1	Complaint center near 817 bus stand Delhi Gate NJF	1989	mixed
30	NHP	Dispensary	369.79	3	1	S/stn Bldg at Kailash Colony Market (Dispensary) near HDFC Bank	1980	mixed
31	ALN	Vigilance office	296.65	3	1	S/stn Bldg at I-Block CR Park near Kali Bari Mandir	1980	mixed
32	ALN	CMC HR Office'	266.45	3	1	33KV Grid & CMC HR Office at CR Park near	1998	Framed
33	ALN	SCADA Office	2052.00	3	1	SCADA Office Building	2004	Framed
34	SKT	DGM Commercial Office	2923.88	3	1	Office Bldg. at Adchini Mehrauli Near Community centre Adhchini Village	1989	Framed
35	NHP	IV+III	104.56	3	1	2 Flat type-4 & 4 Flat Type-3	1980	framed
36		33 kV D.C.JANAKPURI GRID	390	3		Near Transport Authority (west) Janak Puri Distt. Centre, New Delhi 110058	1991	RCC framed structure
37	SKT	Metre LAB	156.25	3	1	BRPL Lab Sector 5 Pushp Vihar	1987	load bearing
38	PJB	Div.Head(O&M)PJB	552.00	2	1	S/stn office Building at A-6,Paschim vihar	1997	MIXED
39	PJB	Complaint Center PJB/SDO PJB,Div.Head(O&M)TGN,Business Head(VKP,UTN,MGN)	569.00	2	1	Complaint Centre B-3, Paschim vihar	1997	Framed
40	PJB	SDO office & Complaint center	446.00	2	1	Complaint Centre, road no. 41, West PJB	1985	Framed
41	PJB	SDO office & Complaint center	292.76	2	1	Complaint Centre, B block Karam pura	1985	Framed
42	TGN	SDO office&Complaint center	268.97	2	1	Complaint center A Block Raghubir nagar	1984	Framed
43	TGN	SDO(Tilak nagar)& Cash office	253.90	2	1	S/stn Building at 24 Block Tilak Ngr.	1983	Load bearing
44	JKP	Div(Head(O&M) JKP,Circle Head(West-1) and Complaint center at B-32, Maya Puri	494.24	2	1	B-32, Maya Puri	1983	Framed
45	JKP	AVP(P&E) office &Complaint Center & SDO B-1 Janakpuri	528.94	2	1	B-1 Janakpuri	1980	Framed

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
46	JKP	SDO office&Complaint center	321.94	2	1	Complaint center 4/1 Subhash Ngr.	1990	Load bearing
47	JKP	Complaint center & Street light office	253.94	2	1	Complaint cente C-3, JKP	1986	Load bearing
48	JKP	AVP(EHV) office ,Complaint center &SDO office	293.94	2	1	Complaint center D-2 BLK, JKP	1994	Load bearing
49	JKP	HR&Audit office West, meter store,Head(Business)west-2,Circle Head(NJF,JFR),Civil 11kv west	1496.24	2	1	C-1 Pankha road, JKP	1995	framed
50	JKP	KCC office,Power metering,MMG for west Circle	251.78	2	1	KCC off. C-1/147 JKP	1995	framed
51	JKP	Vacant Building	292.76	2	1	S/Stn off. Bldg. A-88 Maya Puri	1992	Load bearing
52	JKP	GIS Office	246.84	2	1	S/Stn off. Bldg.B-1 JKP near Nangli Jalib village.	1988	Load bearing
53	JKP	D-2 COMPLAINT CENTER	246.84	2			1985	Load bearing
54	JKP	vacant	350.00	2	1	S/stn Building at Mig Flat Rajauri	1998	Load bearing
55	VKP	GCC & cash office and proposed office of MLCC	493.10	2	1	D-Block Vikas puri	1998	Load bearing
56	VKP	PLA	278.62	2	1	G-Block Vikas puri near Sonia cinema	1995	Load bearing
57	UTN	Complaint center/SDO/Cash office Milap nagar	426.02	2	1	Complaint center Milap Ngr.	1995	Load bearing
58	UTN	Cash office	334.58	2	1	Cash off. Bldg. at M-blk. Uttam Ngr.	1998	Load bearing
59	MGN	Compliant centre,SDO office	125.08	2	1	Anand Vihar, Uttam nagar	1995	Load bearing
60	PLM	Commercial office Palam(CCC)	524.34	2	1	DGM Commercial C-2D Pocket 12, JKP ( Dabri Mor )	1994	mixeed
61	PLM	Cash cum Complaint Center & SDO office	291.74	2	1	Complaint center Kailash Puri	1990	Load bearing
62	PLM	Compliant centre,SDO office	291.74	2	1	Complaint Center Mangla Puri	1990	Load bearing
63	PLM	Compliant centre,SDO office	291.74	2	1	Dabri mor Near MTNL	1995	Mixed
64	DWK	Div.Head (O&M)DWK	291.74	2	1	S/stn bldg. No.1, Sec.-13 , DWK	1996	Framed

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
65	DWK	Div.Head (O&M )MGN,Complaint Center & SDO(DWK)	291.74	2	1	S/stn bldg. No.1, Sec.-13 , DWK	1996	Framed
66	DWK	CHD & Business office- Dwarka	534.52	2	1	C-2C,Pocket-12 JKP	1994	Mixed
67	NGL	Commercial office,CHD- DIV- NGL	543.68	2	1	Bldg no. 1 Guru Harkishan Nagar,Near guruduara	1985	Load bearing
68	MDK	Commercial office,CHD -DIV- MDK	292.76	2	1	BM(Comm.) at Rohtak Road near petrol pump	1987	mixed
69	NJF	Commercial,CHD&O&M office,DIV-NJF	778.00	2	1	Bldg no.1 at 220KV grid NJF	1981	Framed
70	NHP	Commercial office Division NHP	524.35	2	1	S/stn. Bldg. at E Block East of Kailash near Sapna Cinema	1965	mixed
71	NHP	O&M Office NHP , complaint center and Cash office	520.07	2	1	S/stn. Bldg. at W Block GK-I Near Police station GK-I	1984	mixed
72	NHP	Complaint centre	625.00	2	1	S/stn Bldg at Okhla Ph-III Near Usha Factory	1969	mixed
73	NHP	Grid Bldg,Partly Being Used as office for GCC, RCM and MLCC office, Cash Office	1182.23	2	1	33KV Grid S/stn Bldg Near VSNL	1997	framed
74	NHP	Grid Bldg, Partly being used as SAP Office & Cash office	1091.18	2	1	33KV Grid S/stn Bldg Okhla Ph-II Near BSES Staff Colony	1980	framed
75	ALN	DGM (O&M) and complaint center	270.26	2	1	S/stn Bldg at G Block Kalka Ji Near Post Office	1992	load bearing
76	ALN	Cash Office / Div Store	292.75	2	1	S/stn Bldg. at A-12 Kalka Ji Extn.	1982	load bearing
77	ALN	KCC-MMG Office	292.78	2	1	S/stn Bldg at Giri Nagar behind Masjid	1978	load bearing
78	KHP	DGM (O&M) office, Complaint Centre and Cash Office	276.02	2	1	S/stn Bldg. at Khanpur near Mother Dairy	1985	load bearing
79	KHP	DGM (Commercial)	291.82	2	1	S/stn Bldg at Pul Parahlad Pur Near petrol pump	1989	mixed
80	KHP	Complaint centre	377.14	2	1	S/stn. Bldg. at D Block Sangam Vihar near Masjid	2000	load bearing
81	VKJ	Complaint centre & cash office	204.45	2	1	S/stn Bldg At Kapashera	1978	load bearing

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
82	SKT	DGM (O&M) & Cash Office	250.66	2	1	S/stn Bldg at D Block Saket near Sai Baba Mandir	1988	load bearing
83	SKT	Training centre,Cash Office & Complaint Centre	380.95	2	1	S/stn Bldg at Malviya Nagar near main market	1984	mixed
84	SKT	Complaint centre & cash office	387.50	2	1	S/stn Bldg at Fatehpur Beri	1984	load bearing
85	SKT	Complaint centre & cash office	390.00	2	1	S/stn Bldg at Chattarpur	1978	load bearing
86	SKT	CGRF BRPL	120.75	2	1	S/stn Bldg at Sec-05 Pushp Vihar (CGRF)	1987	load bearing
87	HKS	DGM Commercial Office	384.02	2	1	S/stn Bldg at A-1/27 Safdar Jung Development Area	1964	load bearing
88	HKS	DGM (O&M) & Complaint Centre	247	2	1	S/stn Bldg at Hauz Khas near RBI Colony (near Laxman Public School)	1978	load bearing
89	HKS	Complaint centre	292.76	2	1	S/stn Bldg at Police Colony Andrews Gunj	1960	load bearing
90	HKS	Enforcement & Legal & Cash Office	774.81	2	1	S/stn Bldg at Andrews Ganj near Andrews Ganj Market	1975	mixed
91	RKP	DGM Commercial Office, Cash Office	799.26	2.00	1	S/stn Bldg at West Block near Sewa Sadan Road	1983	mixed
92	RKP	DGM (O&M) & Protection office & Quality Control	442.00	2.00	1	S/stn Bldg at Sector-9 Behind Sangam	1984	framed
93	NZD	Billing Office & Complaint Centre	522.86	2.00	1	S/stn Bldg at Lajpat Nagar II near CGHS dispensary-krishna market	1967	load bearing
94	NZD	MMG	734.94	2.00	1	S/stn Bldg/Grid at Nizamuddin West near petrol Pump at Ring Road	1975	mixed
95	SVR	DGM Commercial Office & Cash Office	298.33	2	1	S/stn Bldg at New Friends Colony near Community Centre	1974	mixed
96	SVR	DGM (O&M)	253.25	2.00	1	S/stn Bldg at Sukhdev Vihar Near DDA market	1986	load bearing
97	SVR	V	165	2	1	A-9,New Friends Colony	1980	
98	SVR	V	165	2	1	Maharani Bagh (Near E-6)	1980	mixed
99	SVR	III	53.9	2	1	D-997A, New Friends Colony-2 Flat of Type-3	1980	framed
100	NZD	V	165	2	1	S/STN FLAT No.3,Lodi Road	1980	load bearing
101	NZD	V	165	2	1	S/STN FLAT No.4,Lodi Road	1980	load bearing

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
102	NZD	V	165	2	1	S/STN FLAT No.5,Lodi Road	1980	load bearing
103	NZD	V	165	2	1	F-30B,NDSE-I,SOUTH EXTN-I	1980	framed
104	NZD	V	165	2	1	D-213A,DEFENCE COLONY	1980	framed
105	NZD	V	165	2	1	D-337A, Defence Colony	1980	framed
106	NZD	I	35	2	1	Side Room Jalvihar colony	1980	load bearing
107	NZD	I	35	2	1	S/STN no.2,Side room Lodiroad opp.SAI Mandir	1980	load bearing
108	ALN	V	165	2	1	E-376A,Greater Kailash-ii	1980	framed
109	ALN	V	165	2	1	W-Block,GK-II (Near water tank)	1980	mixed
110	ALN	V	165	2	1	B-26,GK Enclave-ii	1980	framed
111	ALN	V	165	2	1	S-164A,GK-II	1980	mixed
112	NHP	V	165	2	1	Hemkunt Colony 23-A	1980	mixed
113	NHP	I	35	2	1	Side Room OKHLA-III	1980	load bearing
114	NHP	I	35	2	1	4 Flat of okhla colony	1980	framed
115	SKT	V	165	2	1	S/STN FLAT No. 3,SEC-3,Pushp VIHAR	1980	load bearing
116	SKT	V	165	2	1	S/STN FLAT No. 4,SEC-3,Pushp VIHAR	1980	load bearing
117	SKT	V	165	2	1	S/STN FLAT No. 2,SEC-5,Pushp VIHAR	1980	load bearing
118	SKT	V	165	2	1	S/STN FLAT No. 11,SEC-4,Pushp VIHAR	1980	load bearing
119	SKT	V	165	2	1	Navjivan Vihar	1980	framed
120	SKT	V	165	2	1	Sarvodya Enclave (opp C-127)	1980	framed
121	RKP	V	165	2	1	Sec-2,RKPuram	1980	load bearing
122	RKP	V	165	2	1	Sec-3,RKPuram	1980	load bearing
123	RKP	V	165	2	1	Sec-4,RKPuram	1980	load bearing
124	RKP	V	165	2	1	S/STN Flat No-1,SEC-5,RKPuram, opp post office	1980	load bearing
125	RKP	V	165	2	1	S/STN Flat No-2,SEC-5,RKPuram	1980	load bearing
126	RKP	IV	104.56	2	1	S/STN Flat SEC-6,RKPuram	1980	load bearing
127	RKP	IV	104.56	2	1	S/STN Flat SEC-7,RKPuram	1980	load bearing

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128	RKP	V	165	2	1	S/STN Flat SEC-8,RKPuram	1980	mixed
129	RKP	V	165	2	1	C-3/44A, Shanti Niketan	1980	framed
130	RKP	V	165	2	1	Anand Niketan	1980	framed
131	RKP	V	165	2	1	West End Colony	1980	framed
132	RKP	V	165	2	1	A Block Vasant Vihar	1980	mixed
133	RKP	V	165	2	1	E Block Vasant Vihar	1980	mixed
134	RKP	II	96	2	1	Q.No.841 to 844 Sector 1,RKPuram	1980	load bearing
135	HKS	IV	104.56	2	1	B 6/53, Safdarjang Enclave	1980	
136	HKS	V	165	2	1	Anand Lok	1980	mixed
137	HKS	V	165	2	1	D-87A, Gulmohar Park	1980	mixed
138	HKS	V	165	2	1	N-82A, Panchsheel Park	1980	framed
139	HKS	V	165	2	1	S-188A,Panchsheel Park	1980	framed
140	HKS	V	165	2	1	E-1, Panchsheel Park	1980	framed
141	HKS	V	165	2	1	Ayurvigyan Nagar	1982	load bearing
142	HKS	V	165	2	1	Udai Park ( Opp 55)	1980	mixed
143	HKS	V	165	2	1	Soami Nagar (Opp B-65)	1980	mixed
144	HKS	III	107.8	2	1	May Fair Garden Part-I- 2 Flat	1980	mixed
145	HKS	I	35	2	1	Side Room B-5,SDA near H.No.138	1980	load bearing
146	HKS	I	35	2	1	Side Room HUDCO Place	1980	load bearing
147	HKS	I	35	2	1	Side Room HUDCO Place	1980	load bearing
148		V	122.17	2	1	S/Stn flat Subhash Nagar	1987	mixed
149		V	122.17	2	1	S/Stn flat A-3 Janak puri Near mother dariy opp-A- 87 Jkp	1987	mixed
150		V	123.62	2	1	S/Stn flat A-1 Janak puri Back of Ashirwad Banquet NJF Road.	1987	load bearing
151		V	122.7	2	1	S\Stn flat Gandhi market Hari Nagar	1987	load bearing
152		V	122.79	2	1	S/Stn flat C-4/G, Near C4 Market	1987	load bearing
153		V	122.17	2	1	Krishna park VKP Near park market road.	1987	load bearing



S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
154		V	146.97	2	1	G-H-13 Paschim vihar part I Near market opp- flat No-497	1987	framed
155		V	146.97	2	1	G-H-13 Paschim vihar part-II opp flat No - 326	1987	framed
156		V	146.97	2	1	G-H- 5&7 Paschim vihar first floor opp flat No 93	1987	framed
157		V	122.7	2	1	S/stn flat B-17 East Punjabi Bagh A-7 / A-10 Bhagwandass Nagar opp	1987	framed
158		III	123.62	2	1	S/Stn flat C-2 Janak puri part- 1	1987	load bearing
159		III	124.11	2	1	S/Stn flat A-1 Janak puri part -1	1987	load bearing
160		III	123.62	2	1	S/Stn flat A-4/2A Janak puri Near Asalat pur village maket part -1	1987	load bearing
161		III	123.62	2	1	S/Stn flat B-5/B-2 Janak puri (behind Sumermal School part-1	1987	load bearing
162		III	123.62	2	1	S/Stn flat B-6/B-2 Janak puri (Near Chhoti Sabji Mandi ) Part -1	1987	load bearing
163		III	148.35	2	1	S/Stn flat B-3 Janak puri Near B-1 Market part-1	1987	load bearing
164		III	124.11	2	1	S/Stn flat D-4 Janak puri Near DDA Shoping complex part-1	1987	load bearing
165		III	148.35	2	1	S/Stn flat Maya Enclave , E-A Pkt Hari Nagar part-1	1987	framed
166		III	147.54	2	1	S/Stn flat 256 MIG Hari Nagar opp Distt office JKP part-1	1987	framed
167		III	146.46	2	1	S/Stn flat 240 E-2 Pkt Maya Enclave Hari Nagar part-1	1987	framed
168		III	148.35	2	1	S/Stn flat D-G-III Vikas puri part-1 near flat No 377	1987	framed
169		III	123.62	2	1	Road No-16 west Punjabi bagh part -1 Near Adresh Bhawan/ super bazaar	1987	load bearing
170		II	132.4	2	1	Side Room near pannier mkt Chhoti sabji Mandy JKP	1987	load bearing

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171		II	136.5	2	1	Side Room at Govt press qtr, opp maya puri depoo	1987	load bearing
172		II	132.4	2	1	Side Room at BE Block JKP opp chotti sabji mandi BE-9 JKP	1987	load bearing
173		II	132.4	2	1	Side room at J G-1 VKP opp J-120 VKP	1987	load bearing
174		II	136.5	2	1	Side room DDU Complex Hari Nagar	1987	load bearing
175		66 kV PASCHIM VIHAR GRID	594	2		Pkt. GH-5 & 7 L.I.G Flat near Sayad Nangloi village Paschim Vihar.New Delhi -110063	1986	Load bearing str.
176		66 kV GURU G.S.HOSP.( RAGHUBIR NGR) GRID	594	2		Guru Govind Singh Hospital, Near Ghorewala Mandir, Raghubir Nagar, New Delhi-110027	1996	RCC framed structure
177		33 kV S.B.MILL GRID	390	2		Najafgarh Road, Swantantra Bharat Mill, (DLF) Delhi.	1972	Load bearing str.
178		33 kV A - 4 PASCHIM VIHAR GRID	390	2		A-4 Paschim Vihar, Near Bhartiya Vidya Peeth college, Rothak road, New Delhi - 110063	2004	RCC framed structure
179		66 kV G - 15 P.P.K GRID	840	2		Adjacent to Metro Station Sec-12, Dwarka,New Delhi -10078	2004	RCC framed structure
180		66/11 kV G-1 DWARKA GRID	429	2		Sector 14, Dwarka Opposite Netaji Subhash Institute of tecnology(NSIT).New Delhi-110078	2019	RCC framed structure
181		66 kV PANKHA ROAD GRID	594	2		C-I, Janak Puri adjacent to Mata Chanan Devi Hospital, New Delhi 110058	1986	Load bearing str.
182		33 kV DEFENCE COLONY GRID	613.30	2		33 KV GRID STN NEAR D-BLOK DIFENCE COLONY NEW DELHI-110024	1986	RCC framed structure
183		33 kV KILOKARI GRID	351.94	2		33 KV GRID STN JEEVAN NAGAR,NEAR JEEVAN HOSPITAL,NEW DELHI-110014	1970	Load bearing str.

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
184		33 kV BHIKAJI CAMA PLACE GRID	466.64	2		33 KV SUB STATION, NEAR AUGUST KRANTI BHAWAN,BHIKAJI CAMA PLACE COMPLEX,New Delhi-110066	1976	Load bearing str.
185		33 kV MASJID MOTH GRID	348.16	2		33 KV GRID S/STN NEAR CHIRAG DELHI DTC BUS STAND New Delhi-110017	1978	RCC framed structure
186		66 kV JAFFARPUR GRID	594	1.5		Rawta Road Near Police Station Jaffar Pur,New Delhi -110073	1983	Load bearing str.
187	TGN	Complaint Centre	125.00	1	1	S/stn Building at TilakNagar(near23/81)	1983	Load bearing
188	TGN	SDO(Mukharji park)& Cash office	263	1	1	830 bus stand Khyala	1994	Load bearing
189	VKP	Div.Head(O&M) VKP,DGM(Street light),MMG coordinator VKP	227.55	1	1	S/stn bldg. at H-Blk VKP	1998	Load bearing
190	VKP	Compliant centre & SDO Office	182.60	1	1	Complaint center . at C-Blk VKP	1990	Load bearing
191	VKP	Compliant centre & SDO Office	111.78	1	1	Complaint center . At LIG Hastal	1977	Load bearing
192	VKP	Break Down office VKP	103.00	1	1	B/d off Shankar Garden	1998	Load bearing
193	UTN	Complaint center/SDO Chankya place	72.04	1	1	Complaint center Chankya place	2000	Load bearing
194	MGN	Compliant centre,SDO office of MGN,Div.Head(O&M)UTN	115.92	1	1	Bindapur near police station Bindapur	1994	Load bearing
195	PLM	Div.Head(O&M) Palam	196.00	1	1	DGM (O&M) Sec.-6, DWK	1998	Load bearing
196	PLM	O&M Store	146.59	1	1	Kaveri Apartments, Sector-6, Dwarka	2000	Load bearing
197	DWK	Complaint Center & SDO office	142.00	1	1	Complaint center at Sec.-4, DWK	1998	Load bearing
198	NGL	Compliant centre,SDO office	458.00	1	1	Complaint center GH-9, Paschim vihar	1986	Load bearing
199	NGL	Compliant centre,SDO office	97.00	1	1	Compaint & cash off at Adhypak Ngr.	1989	Load bearing
200	NGL	Head( O&M ) MDK and complaint centre Nangloi	153.00	1	1	Complaint center, store s/.stn bldg. no. 5 Udyog Ngr.	1995	Load bearing
201	MDK	VACANT / Proposed Cash Office	40.95	1	1	Plot no. 94,Rajindra Park,Near Nangloi metro station	2000	Load bearing
202	NJF	Commercial,CHD office JFR	557.00	1	1	Bldg no.2 at 220KV grid NJF	1981	Framed

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203	NJF	Compliant centre,SDO office	94.00	1	1	Complaint cenrer at Shyam Vihar NJF	2016	Load bearing
204	NJF	Compliant centre,SDO office and Circle Head(west-2)	215.00	1	1	Complaint centre off and AsVP off NJf at Village Bharthal	1991	Load bearing
205	NJF	Dispensary	277.00	1	1	Dispensary NJF	1980	Load bearing
206	JFR	Compliant centre,SDO office and DGM(LR)NJF	214.00	1	1	Complaint centre at Mitraun village	1988	Load bearing
207	NHP	Complaint centre	104.55	1	1	S/stn Bldg at Amar Colony Near Gurudwara Lajpat Nagar	1960	load bearing
208	ALN	DGM Commercial and complaint center	250.65	1	1	S/stn Bldg at E-Block GK-II Near Savitri Cinema	1971	load bearing
209	ALN	Complaint centre	294.24	1	1	S/stn. Bldg. at Okhla PH-I, Near C-100	1975	load bearing
210	ALN	Complaint centre	146.38	1	1	S/stn Bldg at DDA flats Kalka Ji	1970	load bearing
211	KHP	Cash office	146.28	1	1	S/stn Bldg at Intl area Tughlakabad Near Batra Hospital	1984	load bearing
212	KHP	Complaint centre	70.50	1	1	Complaint Centre at A- Block Durga Vihar Div- KHP	2012	load bearing
213	KHP	Complaint centre	77.62	1	1	Vishwakarma Colony Pul Prahlad Pur	1989	load bearing
214	VKJ	DGM Commercial Office	273.61	1	1	S/stn Bldg At C-9 Vasant Kunj	1986	mixed
215	VKJ	Complaint centre	310.25	1	1	S/stn Bldg at Mahipal pur	1983	load bearing
216	SKT	Complaint centre	147.49	1	1	S/stn Bldg at MMTC near MMTC Colony	1987	load bearing
217	SKT	AM (O&M)	315.00	1	1	S/stn Bldg No1 Sector 3 Pushp Vihar near Kendre Vidyalaya	1984	Framed
218	SKT	BRPL Lab-Meter Storage	315.00	1	1	S/stn Bldg at E Block Saket	1982	load bearing
219	HKS	MMG	263.48	1	1	S/stn Bldg at Katwaria Sarai	1990	load bearing
220	HKS	Complaint centre	117.19	1	1	S/stn Bldg at Green Park Near Mahindra Hospital	1961	load bearing
221	HKS	Cash Office	140.52	1	1	S/stn Bldg at Police Colony Hauz Khas	1960	mixed
222	RKP	Ombudsmen Court	187.50	1.00	1	S/stn Bldg at Ombudsmen Vasant Vihar	1985	load bearing
223	RKP	Complaint centre & cash office	181.51	1.00	1	S/stn Bldg. at Moti Bagh	1985	load bearing

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224	RKP	Dispensary	178.25	1.00	1	S/stn Bldg at Sector 5 RK Puram(Dispensary)	1980	framed
225	NZD	Furniture Store	349.25	1.00	1	Store Bldg at Jang Pura near community centre	1988	load bearing
226	NZD	Complaint centre	273.05	1.00	1	S/stn Bldg at Jang Pura Near Community Centre	1988	load bearing
227	NZD	Complaint centre	217.83	1.00	1	S/stn Bldg at Lodhi Colony (Near Qtr no. 1978)	1978	load bearing
228	NZD	Cash Office & EHV office	235.32	1.00	1	S/stn Bldg at Lajpat Nagar Near Alankar (3C's)	1998	load bearing
229	SVR	Complaint centre	1922.00	1.00	1	S/stn Bldg at Kalindi Colony Near C-35	1993	load bearing
230	SVR	Complaint center and MMG store	995.00	1.00	1	S/stn Bldg at Bharat Nagar	2000	load bearing
231	SVR	Cash Office	146.38	1.00	1	Office bldg at Taimoor Nagar	1975	load bearing
232	SVR	Complaint Centre & Cash Office	263.48	1.00	1	I-Block Saurabh Vihar	2016	load bearing
233	SVR	Complaint Centre	2835.00	1.00	1	Shaheen Bagh	2016	load bearing
234	VKJ	I	35	1	1	Type-2 04 Nos Flat type-1	1980	load bearing
235	VKJ	II	48	1	1	Type-2 02 Nos Flat type-2	1980	load bearing
236	VKJ	II	48	1	1	Type-2 04 Nos Flat type-2	1980	load bearing
237		66 kV NANGLOI GRID	594	1		Jawala Puri, in front of D.T.C Depot Nangloi, NH-10 New Delhi 110087	1997	Load bearing str.
238		66 kV NANGLOI W.W GRID	390	1		Kamruddin Nagar, Inside Delhi Jal Board Plant, Nangloi, New Delhi 110041	1996	Load bearing str.
239		33 kV MADIPUR GRID	390	1		Near Water Tank, Madi Pur Village, New Delhi -110063	1987	Load bearing str.
240		33 kV PASCHIM PURI GRID	390	1		Outer ring road, Near Under Pass, Paschim Puri, New Delhi -110063	1980	Load bearing str.
241		66 kV BODELLA - 2 GRID	594	1		H Block Vikas Puri Opp. Ujjawal Apptt., Near Mamta Model School, New Delhi - 110018	1985	Load bearing str.

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242		33 kV MUKHERJEE PARK GRID	390	1		Khayala Road, Mukerjee Park, behind pacific mall, New Delhi -110018	1987	Load bearing str.
243		33 kV W.D.D.C ( VISHAL ) GRID	390	1		Near Shivaji College, Vishal Enclave, Raja Garden, New Delhi -110027	1982	Load bearing str.
244		66 kV G - 5 P.P.K ( MATIALA ) GRID	594	1		Behind DPS School, Near Petrol pump, Dawarka Sec-3, New Delhi -10077	1998	Load bearing str.
245		66 kV G - 2 P.P.K ( NASEERPUR ) GRID	594	1		Dabri-Palam Rd, Near Dashrath Puri Stand, New Delhi 110045	1999	Load bearing str.
246		66 kV G - 6 P.P.K GRID	594	1		Sector-9 Dwarka, Near Petrol Pump, New Delhi -10075	1998	Load bearing str.
247		66 kV BODELLA - 1 GRID	594	1		Outer Ring Road Near Vikas Kunj Society Vikas Puri, New Delhi -110018	1982	Load bearing str.
248		66 kV G - 4 DWARKA GRID	594	1		Sector 16, Dwarka near reclamation ground, near Kargil apartment	1996	Load bearing str.
249		66 kV INST. AREA JKP ( SAGARPUR ) GRID	594	1		Institutional Area Janak Puri, Near DESU Colony JKP, New Delhi 110058	1986	Load bearing str.
250		33 kV MAYAPURI GRID	390	1		Janak Puri Distt Office Near Maya Enclave, Harinagar New Delhi -110064	1980	Load bearing str.
251		66 kV G - 3 P.P.K ( BINDAPUR ) GRID	594	1		Pocket-3 DDA Flats Binda Pur, New Delhi -110059	1994	Load bearing str.
252		66 kV M.C.I.E GRID	441.00	1		66 KV GRID STN MOHAN CO OPERATIVE IDUSTRIL ESTATE, Badarpur , MATHURA ROAD, NEW DELHI-110044	1987	Load bearing str.
253		66 kV SARITA VIHAR GRID	451.50	1		66 KV GRID STN M.BLOCK SARITA VIHAR, NEW DELHI-110076	1994	Load bearing str.

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
254		66 kV MATHURA ROAD GRID	441.00	1		66 KV GRID STN POCKET-B,SARITA VIHAR,MATHURA ROAD,NEW DELHI-110076	1980	Load bearing str.
255		66 kV JASOLA GRID	881.25	1		66 KV GRID STN JASOLA SPORTS COMPLEX JASOLA NEW DELHI-110025	2004	RCC framed structure
256		33 kV EXHIBITION GROUND - 2 GRID	254.80	1		33 KV GRID STN NEAR GATE NO.1 PRAGATI MAIDAN NEW DELHI-110001	1980	Load bearing str.
257		33 kV EAST OF KAILASH GRID	312.27	1		33 KV GRID STN EAST OF KAILASH NEAR ISCON TEMPLE NEW DELHI-110065	1988	Load bearing str.
258		33 kV SARAI JULLENA GRID	377.75	1		33 KV GRID STN NEAR ESCORTS HOSPITAL SARAI JULENA VILLAGE,NEW DELHI-110025	1988	Load bearing str.
259		66 kV I.O.C.BIJWASAN GRID	451.50	1		66 KV BSES SUBSTATION, IOC DEPOT,BIJWASAN,New Delhi-110061	1978	Load bearing str.
260		33 kV PALAM GRID SSTN	60.00	1		33KV SUB STATION,BEHIND T1 TERMINAL PARKING,New Delhi-110045	1976	Load bearing str.
261		66 kV PALAM GRID	451.50	1		66 KV SUB STATION, NEAR AEROCITY METRO STATION, New Delhi-110045	1988	Load bearing str.
262		66 kV J.N.U GRID	377.55	1		66 KV SUB STATION,JNU NEW CAMPUS,BACKSIDE MUNIRKA ENCLAVE,,New Delhi-110067	1986	Load bearing str.
263		33 kV R.K.PURAM - 1 GRID	212.52	1		33 KV SUB STATION,SECTOR-1,WEST BLOCK, RK PURAM,NEAR SEWA BHAWAN,New Delhi-110022	1987	Load bearing str.
264		33 kV VASANT VIHAR GRID	377.83	1		33 KV SUB STATION, OPP. DDA SENIOR CITIZEN FLATS, VASANT ENCLAVE, New Delhi-110057	1976	Load bearing str.

S. No	Div	Description/Type	Area	No. of Floors	No. of Blocks	Location	Tentative Period of Construction	Type of structure
265		33 kV N.D.S.E.-2 GRID	242.36	1		33 KV SUB STATION, SOUTH EXTN. PART - II MARKET, New delhi-110049.	1975	Load bearing str.
266		66 kV VASANT KUNJ B - BLK GRID	451.50	1		66 KV SUB STATION,NEAR KENDRIYA VIDYALAYA, B-5, VASANT KUNJ, New Delhi-110070	1990	Load bearing str.
267		66 kV VASANT KUNJ C- BLK GRID	451.50	1		66 KV SUB STATION, VASANT KUNJ THANA, C BLOCK, VASANT KUNJ, New Delhi-110070	1986	Load bearing str.
268		66 kV VASANT KUNJ D - BLK GRID	451.50	1		66 KV SUB STATION, BLOCK D-7, VASANT KUNJ, New Delhi-110070	1986	Load bearing str.
269		33 kV ANDHERIA BAGH GRID	565.24	1		33 KV SUB STATION, NEAR SECTOR-B1, VASANT KUNJ, New delhi-110034	1970	Load bearing str.
270		33 kV D.C.SAKET GRID	318.22	1		33 KV S/STN NEAR SAKET COURT COMPLEX NEW DELHI-110017	1985	Load bearing str.
271		66 kV MALVIYA NAGAR GRID	436.05	1		66 KV S/STN MB ROAD NEAR SBI BANK SAKET NEW DELHI-110017	1980	RCC framed structure
272		66 kV I.G.N.O.U GRID	575.30	1		66 KV GRID IGNOU CAMPUS MAIDAN GARHI NEW DELHI-110068	1998	Load bearing str.
273		33 kV SIRI FORT GRID	552.00	1		33 KV GRID S/STN SHAHPUR JATT VILLAGE,NEW DELHI-110017	1980	Load bearing str.
274		66 kV BATRA GRID	451.50	1		66 KV GRID /STN TUGALAKABAD INSTITUTIONAL AREA,NEAR BATRA HOSPITAL,NEW DELHI-110080	1988	Load bearing str.
275		33 kV TUGHLAKBAD GRID	377.75	1		33 KV GRID S/STN AIR FORCE MES COLONY,TUGALAKABAD New Delhi-110019	1988	Load bearing str.
276		66 kV OKHLA PHASE - 1 GRID	377.83	1		66 KV GRID S/STN,NEAR ESI HOSPITAL,NEW DELHI-110020	1988	Load bearing str.
		<b>Total Covered Area</b>	<b>94488.26</b>					



**SECTION-V: BILL OF QUANTITY/PRICE FORMAT**

Completion period:-90 Days

<b>Sr No</b>	<b>Item description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (in Rs.)</b>	<b>Amount(in Rs.)</b>
1	Site visit to assess the Structural safety of the existing building by visual inspection & taking photograph of critical structural element such as Columns and Beams. Structural survey of the existing building by Rapid visual screening as per IS 13935:2009 and IS15988:2013 & taking photograph of critical structural distress points, cracks and locate moisture, leakage, abnormal variation in structure etc. Detailed survey of the existing building by survey or using Total station if required. Preparation of survey drawings on AutoCAD for as - built drawing showing location of beams, columns etc. Taking out measurement of existing structural member like column sizes, beam sizes, etc. and also marking the damaged and affected members on drawings as well as at site supported with digital photography and Marking the testing location for NDT.	Sqm	95000		

<b>Sr No</b>	<b>Item description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (in Rs.)</b>	<b>Amount(in Rs.)</b>
2	Various NDT Tests as per the requirement of structural designer to check the structural strength of the existing building and Submission of detailed structural analysis based on the NDT test report including considering one additional floor in future for office buildings ( 123 No as mentioned in the list provided in this tender document). Also providing separate list of Safe & unsafe buildings with their expected useful life alongwith the detailed design report by using design software i.e. ETABs, STAAD Pro or equivalent to know the deficiency in accordance with BIS Code i.e. IS: 456-2000, IS: 1893-2016, IS 15988-2013 etc.	Sqm	95000		
3	Submission of Detailed project report consisting of all test reports, structural calculations, site photographs, Estimates for proposed retrofitting (detailed BOQ) and certification for expected life of the building after doing the proposed strengthening ( two sets of hard copy and soft copy in Autocad).	EA	276		
Total Amount					
Add GST @18%					
Total Amount i/c GST 18%					

**ANNEXURE-I**

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

- a) An Electrical license. (If applicable)
- b) PF Code No. and all employees to have PF A/c No. under PF every Act, 1952.
- c) All employees to have a temporary or permanent ESI Card as per ESI Act.
- d) ESI Registration No.
- e) PAN No.
- f) GST Registration Number.
- g) 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:

- a) Third party Insurance Policy before start of work.
- b) To follow Minimum Wages Act prevailing in the state.
- c) 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) Group personnel accident insurance of sum assured of Rs 10.00 Lac with table C cover 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 120 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..... 2020

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 \_\_\_\_\_ 2017 \_\_\_\_\_.

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 outrightly 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:-**

<b><u>GENERAL INFORMATION</u></b>	
NAME OF COMPANY	
POSTAL ADDRESS	

<b>FOR TECHNICAL QUERY:</b>		
CONTACT PERSON & DESIGNATION	NAME	DESIGNATION
E-MAIL	MOBILE NO	TELEPHONE NO

<b>FOR COMMERCIAL QUERY:</b>		
CONTACT PERSON & DESIGNATION	NAME	DESIGNATION
E-MAIL	MOBILE NO	TELEPHONE NO