

**Tender Notification for**

**ANNUAL MAINTENANCE CONTRACT FOR EHV GRID SUB-STATIONS/TRANSMISSION LINES & PROTECTION IN BRPL**

**NIT NO CMC/BR/21-22/RB/CR/RB/0962  
Dt. 30.10.2021**

**Due Date for Submission of Tender: 22.11.2021  
Date and Time of opening: 22.11.2021, 3:45 PM**

**BSES RAJDHANI POWER LIMITED,**

**BSES Bhawan, Nehru Place, New Delhi-110019  
Corporate Identification Number: U74899DL2001PLC111527  
Website : [www.bsesdelhi.com](http://www.bsesdelhi.com)**

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## **SECTION - I**

### **REQUEST FOR QUOTATION**

#### **1.1 GENERAL**

BSES Rajdhani Power Limited invites sealed tenders in 2 envelopes for “ANNUAL MAINTENANCE CONTRACT FOR EHV GRID SUB-STATIONS/TR.LINE/ PROTECTION IN BRPL”

1.01 The bidder must qualify the requirements as specified in clause 1.3 stated below. **The sealed envelopes shall be duly superscribed as-**

**“BID FOR ANNUAL MAINTENANCE CONTRACT FOR EHV GRID SUB-STATIONS/TR.LINE/PROTECTION IN BRPL”**

**“NIT NO CMC/BR/21-22/RB/CR/RB/0962 DT 30.10.2021”.**

1.02 BRPL invites sealed tenders from eligible bidders for the above-mentioned work (clause 1.01).

Cost of Tender form (Non- Refundable)	Rs.1180/- (including GST)
Estimated cost of work	Rs. 11.83 Crores (Annual)
Earnest money Deposit	Rs. 4.73 Lacs/-
Duration of the Work (AMC)	24 Months (from date of issue of LOI/order), extendable for further one year
Tender documents on sale	30/10/2021 (working days)
Date & time of Submission of Tender	22/11/2021 till 1530 HRS
Date & time of opening of Tender	1545 HRS on 22/11/2021

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

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

Details of BRPL for tender fee submission is as under:

Beneficiary Name : BSES Rajdhani Power Limited  
Bank Name : Bank of Baroda  
A/c No. : 10590200001560  
IFSC Code : BARB0NEHRUP

The tender papers will be issued on all working days up to the date mentioned in clause 1.02. The tender documents & detail terms and conditions can also be downloaded from the website [www.bsedelhi.com](http://www.bsedelhi.com). 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.

## 1.2 POINTS TO BE NOTED

- 1.2.1 Works envisaged under this contract are required to be executed in all respects up to the period of completion mentioned above.
- 1.2.2 Only those agencies, who fulfill the qualifying criteria as mentioned in clause 1.3, should submit the tender documents.
- 1.2.3 Tender document consists of the following:
- ❖ Request For Quotation
  - ❖ Instructions To Bidder
  - ❖ Commercial Terms & Conditions
  - ❖ Scope of Work
  - ❖ Details of Resources
  - ❖ Present Asset Details
  - ❖ List of T&P
  - ❖ Price Format
  - ❖ Bid Form
  - ❖ Performa Of Contract Performance Bank Guarantee
  - ❖ Format For EMD Bank Guarantee
  - ❖ Terms & Conditions for Reverse Auction
- 1.2.4 The Contract shall be governed by the documents listed in para 1.2.3 above.
- 1.2.5 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:

- ❖ If **Earnest Money Deposit (EMD)** of requisite amount is not deposited in shape of Bank Draft/Pay Order/BG drawn in favour of **BSES Rajdhani Power Ltd**, payable at Delhi as per below. Please note that bank details as below have been provided only for the purpose of making BG for EMD.

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

❖ If Tender is received after due date and time.

- 1.2.6 It is compulsory for the bidder to quote for each part of Price Format but allocation shall be as per the decision of BRPL.
- 1.2.7 Please note that abnormally higher or abnormally lower bids shall not be considered with respect to estimated cost. The criteria decided by BRPL on this shall be final. Further formation of cartel and indulging in any unfair business practice shall be a negative for the bidders and be liable for rejection of the bid.

### 1.3 QUALIFYING CRITERIA:-

The prospective bidder must qualify all of the following requirements to be eligible to participate in the bidding.

#### (A) TECHNICAL REQUIREMENTS:

- (i) The bidder should have experience in project execution or maintenance work for EHV (33KV & above) / EHV( 33KV & above) AMC work in any power distribution utilities / SEB's/ Discoms / other govt. organizations in any of the last 5 financial years (FY 16-17 to FY 20-21). Such experience of the bidder shall not be for less than 12 continuous months.
- (ii) The bidder must enclose order copies along with performance certificates in support of relevant experience. Experience credential as a subcontract/ consortium will not be considered.
- (iii) Contractor has to provide the list of safety officer which will be deployed by him along with academic qualification certificates. This certificate should be part of Technical offer.
- (iv) For Existing vendors of BRPL, Technical evaluation will also include the performance in the existing contracts. BRPL reserves the right to qualify or disqualify their bid based on the performance in spite of them meeting the above minimum qualification criteria.
- (v) Contractor has to provide the list of supervisors and their experience in same line and qualification. This certificate should be part Technical offer.

#### (B) COMMERCIAL REQUIREMENTS:

- (i) Bidder must provide proof of having Cumulative Turnover of Rs. 15 Cr. for last three consecutive financial year (FY 18-19, 19-20, 20-21) subject to that turnover should not be less than Rs. 5 Cr. in any of the last three completed consecutive financial years. (FY 18-19, 19-20, 20-21) In case the audited balance sheet is not available with the bidder for 20-21, the bidder shall submit the audited balance sheet for FY 17-18 or turnover certified by the auditor of the firm for FY 20-21.

- (ii) Bidder must provide proof of having solvency of an amount equal to Rs. 50 Lacs from any nationalized/ scheduled commercial bank. **(Not older than 1<sup>st</sup> April 2021)**
- (iii) Bidder should have valid Registration No. of GST
- (iv) Bidder should have PAN No & should fulfill all statutory compliances like PF, ESI registration.
- (v) Bidder should have a valid Electrical License issuing by Delhi Govt. for doing the electrical works in Delhi region.
- (vi) Bidder should have an office in Delhi NCR. Bidder to submit details of such office on their letter head. The Head/ Incharge of this office should be competent enough to take all decisions related to the contract.
- (vii) Bidder should be Registered Entity in India. The bidder should be an Indian Registered Company under Companies Act 1956 / Proprietorship Firm/Partnership Firm. Copy of Certificate of Incorporation/Registration/Partnership Deed respectively or any other relevant document, as applicable, should be submitted along with a copy of address proof.
- (viii) Entities that have been debarred/blacklisted by any Private/central/state government institution including electricity boards in India will not be considered; in this regard a written statement has to be provided on bidder's letterhead along with other documents. Vendors/ Agencies who have been debarred/ blacklisted/ suspended by BRPL in last 3 financial years will not be considered in this tender.
- (ix) The bidder should submit an undertaking for “No Litigation” / no legal case is pending with BRPL or its Group Companies. Bidders having any litigation/ legal case pending with BRPL shall not be considered qualified for this tender
- (x) For Existing vendors/ registered vendors of BRPL, evaluation will also include the contract performance in terms of HR issues, all statutory Compliance parameters and timely wages disbursement by Vendors. BRPL reserves the right to disqualify their bid based on the above performance parameters in spite of them meeting the above qualification criteria.
- (xi) The bidder should give an undertaking on their letterhead that all the documents/certificates/information submitted by them against the tender are genuine/true/correct and the copies of documents have been made from the original document/s. Further in case any of the documents/certificates/information submitted by the bidder is found to be false or forged, BRPL at its sole discretion shall be free to take all

actions as permitted under law, including forfeiture of EMD and disqualification from participation in the future tenders for 1 year in BRPL & its group companies.

Please note that by participation in tender and submission of bid, the bidder authorize BRPL to verify the bidder's credentials like work order copies, performance certificates etc. submitted by the bidder from the respective issuing client. If required, BRPL may also direct the bidder to provide the required contact details of the client who can confirm the authenticity of the documents submitted to facilitate the verification process within the timelines provided by BRPL. That upon demand the bidder shall be providing such details to BRPL within timelines provided by BRPL. Further in case any of the documents/certificates/information submitted by the bidder is found to be false or forged or the default from the side of bidder in providing the details for verification, BRPL at its sole Discretion shall be free to take all actions as permitted under law, including forfeiture of EMD disqualification from participation in the future tenders for 1 year in BRPL & its group companies.

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

- a) Firms who are debarred/ blacklisted in other utilities in India will not be considered.
- b) 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.

- c) No joint ventures/ consortiums are allowed

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

- a) Last three Financial Years (FY 18-19, FY 19-20 & FY 20-21) ) audited financial statement.
- b) Bidder to submit CA Certificate (along with UDIN no.) showing that upto date no statutory compliance dues like GST/ PF and ESI are pending.
- c) Detail of Banker & Cash Credit limit
- d) Details of constitution of the company (Proprietary/ Partnership/ Limited/ Pvt. Ltd. Along with details)
- e) Memorandum & Articles of Association of the Company
- f) Organization Chart of the company
- g) Experience details with credentials
- h) Turnover certificate issued by auditors (along with UDIN no.) for the last three Financial Years.
- i) Declaration on bidder's letter head on Pending Legal case / penalty levied (if any) against Statutory non-compliances on a/c of PF / ESI / Bonus etc.

BRPL 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.

BRPL may ask for any other document as may be required to substantiate/ justify the submissions made by bidders.

#### 1.4 BIDDING AND AWARD PROCESS:-

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

##### 1.4.1 Bid Submission:

The bidders are required to submit the bid in 2(two) parts and submit in original + one copy to the following address

Head of Department  
Contracts & Material Deptt.  
BSES Rajdhani Power Ltd  
I Floor, Tender Room, BSES Bhawan  
Nehru Place  
New Delhi-110019

PART A : **TECHNICAL BID** comprising of following:

- EMD of requisite amount
- Non-refundable separate demand draft for Rs. 1180/- In case the forms are downloaded from the website
- Documentary evidence in support of qualifying criteria
- Technical Literature if any.
- Any other relevant document
- Acceptance to Commercial Terms and Conditions viz Delivery schedule/period ,Payment terms ,BG etc
- Acceptance to Technical Specifications if any

**The bidder should submit complete tender document signed and stamped with bidder's seal as an acceptance of all the terms & conditions of the Tender.**

PART B: **FINANCIAL BID** comprising of Prices strictly in the Format enclosed in Section VIII

#### TIME SCHEDULE

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

S. No.	Steps	Comprising of	Due date
1	Pre-Bid Clarifications Meeting	All Queries related to RFQ shall be clarified through pre bid meeting. For this the bidder shall send their queries before 10.11.2021 at the following contacts: Technical queries: Mr. Surinder Kansal (Head- EHV- O&M) Mail id: <a href="mailto:surinder.kansal@relianceada.com">surinder.kansal@relianceada.com</a>	11.11.2021 Pre Bid Meeting shall be through WebEx on 11.11.2021 at 03:00 PM for addressing all Queries related to RFQ on following link:- <a href="https://bsesbrpl.webex.com/join/rake-sh.bansal">https://bsesbrpl.webex.com/join/rake-sh.bansal</a>

		Mr. Adesh Golash (EHV Dept.) Mail id: adesh.golash@relianceada.com  Commercial queries: Mr. Ananda Raj (Head Contracts), Mail id : <a href="mailto:ananda.raj@relianceada.com">ananda.raj@relianceada.com</a> Contact No 011-49209014 Ms. Rajni Bhagia (C&M) Mail id: <a href="mailto:rajni.bhagia@relianceada.com">rajni.bhagia@relianceada.com</a> Contact No: 011-49209586	
2	PART A Technical and Commercial Bid	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 , Payment terms, BG etc.	22.11.2021
3	PART B Financial Bid	Price strictly in the Format enclosed (Section VIII) indicating Break up regarding basic price, taxes & duties etc.	Successful bidders will be intimated through website

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. After technical evaluation, the list of qualified bidders will be posted immediately on BSES website.

**PART B:** This envelope will be opened after technical evaluation and only of the qualified bidders.

**FINANCIAL BID EVALUATION THROUGH REVERSE AUCTION:**

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-A in this tender document. Training/details shall be provided to bidders before participation in auction. In case the Reverse Auction is not conducted/concluded for any reasons, then a “final no regret price” will be called for from the qualified bidders.

Notwithstanding anything stated above, the Company reserves the right to assess bidders’ capability to perform the contract, should the circumstances warrant such assessment in the overall interest of the Company. In this regard the decision of the Company is final.

**In case RA is not concluded/conducted for any reasons, a "final no regret" financial bid in a sealed envelope will be called for from all qualified bidders**

#### **1.4.2 Award Decision**

- Company intends to award the business on a lowest bid basis, so bidders are encouraged to submit the bid competitively. The decision to place order/LOI solely depends on Company on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that Company may deem relevant.
- 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.
- Please note that abnormally higher or abnormally lower bids shall not be considered with respect to estimated cost. The criteria decided by BRPL on this shall be final and binding on the bidders.
- In case any contractor is found unsatisfactory during the execution process, the award will be cancelled and BRPL reserves the right to award other contractors who are found fit.
- "Nil/Zero" Margin or Administrative Service Charges of Bidders will be considered as "Unresponsive". Abnormally higher or abnormally lower bids shall not be considered with respect to estimated cost. The criteria decided by BRPL on this shall be final and binding on the bidders and will not be open for discussion under any circumstances. Therefore, the bidding firms are advised to quote their Margin / Administrative Service Charges accordingly. BRPL reserves the right to reject the bids quoted with abnormally higher or abnormally lower individual activity rates. The criteria decided by BRPL on this shall be final and binding on the bidders.
- In case any contractor is found unsatisfactory during the execution process, the award will be cancelled and BRPL reserves the right to award other contractors who are found fit.

#### **1.4.3 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 market place rules or engage in behavior that disrupts the fair execution of the market place restricts a bidder 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 market place.
- Breach of the terms of the published in Request for Quotation/NIT.

#### **1.4.4 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.

**1.5 Contact Information**

Technical 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>	Head (EHV-O&M), BRPL Copy to :Head (C&M)	Head (C&M)
<b>Address</b>	Building No 20, Nehru Place	C&M Dept., BSES Rajdhani Power Ltd, I Floor, "C" Block, BSES Bhawan Nehru Place New Delhi-110019

## **SECTION – II**

### **INSTRUCTION TO BIDDERS**

#### **A. GENERAL**

BSES Rajdhani Power Ltd, hereinafter referred to as “The Company“ is desirous of awarding “**ANNUAL MAINTENANCE CONTRACT FOR EHV GRID SUB-STATIONS/TR.LINE/ PROTECTION IN BRPL**”

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

#### **1.0 SCOPE OF WORK**

The scope of work shall include maintenance of EHV GRID SUB STATIONS/TR.LINE/ PROTECTION in BRPL as detailed in SECTION-IV “Scope of work”.

#### **2.0 DISCLAIMER**

- 2.01 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.
- 2.02 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 anyway from the selection process for the work.
- 2.03 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.

- 2.04 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).

### **3 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**

- 4.0 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:

SECTION – I	Request For Quotation
SECTION – II	Instructions To Bidder
SECTION-III	Commercial Terms & Conditions
SECTION- IV	Scope of Work
SECTION V	Details of Resources
SECTION-VI	Present Asset Details
SECTION –VII	List of T&P
SECTION-VIII	Price Format

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

#### **5.0 AMENDMENT OF BIDDING DOCUMENTS**

- 5.01 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.
- 5.02 The Amendment shall be part of the Bidding Documents, pursuant to Clause 5.01, and it will be notified in writing by Fax/e-mail to all the Bidders who have received the Bidding Documents and confirmed their participation to Bid, and will be binding on them.
- 5.03 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**

### **6.0 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.

### **7.0 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) and Technical Data Sheets completed in accordance with Technical Specification.
- (b) All the Bids must be accompanied with the required EMD as mentioned in the Section-I against each tender.

### **8.0 BID FORM**

8.01 The Bidder shall submit Original 'Bid Form' and the appropriate Price Schedules and technical specifications enclosed with the Bidding Documents.

#### **8.02 EMD**

Pursuant to Clause 7.0(b) above, 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.
- (b) 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

Earnest money given by all the bidders except the lowest bidder shall be refunded within 4 (four) weeks from the date of opening of price bid.

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.

**OR**

- (c) If the bidder is found to have submitted false or forged any of the documents/certificates/information .

## **9.0 BID PRICES**

- 9.01 Bidders shall quote for the entire Scope of work with 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/PVC will be treated as non-responsive and rejected.**

## **10.0 BID CURRENCIES**

Prices shall be quoted in Indian Rupees Only.

## **11.0 PERIOD OF VALIDITY OF BIDS**

- 11.01 Bids shall remain valid & open for acceptance for a period of 120 days from the date of opening of the Bid.
- 11.02 Notwithstanding Clause 11.01 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

## **12.0 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.

## **13.0 FORMAT AND SIGNING OF BID**

- 13.01 The original Bid Form and accompanying documents(as specified in Clause 7.0),clearly marked "Original Bid", must be received by the Company at the date, time and place specified pursuant to Clauses 14.0 and 15.0.
- 13.02 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-Authority accompanying the Bid.
- 13.03 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.

13.04 Bid shall be signed with stamp by the bidder on all the pages

#### **D. SUBMISSION OF BIDS**

##### **14.0 SEALING AND MARKING OF BIDS**

14.01 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.

14.02 The Technical Documents and the EMD shall be enclosed in a sealed envelope and the said envelope shall be superscribed with — Technical Bid & Commercial Terms & Conditions “. The price bid shall be inside another sealed envelope with superscribed —“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 superscribed with —“Tender Notice No. & Due date of opening“.

14.03 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.

##### **15.0 DEADLINE FOR SUBMISSION OF BIDS**

15.01 The original Bid must be timely received by the Company at the address specified in Section-I

15.02 The Company may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with Clause 5.0, 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

##### **16.0 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.

##### **17.0 LATE BIDS**

Any Bid received by the Company after the deadline for submission of Bids prescribed by the Company, pursuant to Clause 14.0, will be declared "Late" and rejected and returned unopened to the Bidder.

##### **18.0 MODIFICATIONS AND WITHDRAWAL OF BIDS**

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

#### **E. EVALUATION OF BID**

##### **19.0 PROCESS TO BE CONFIDENTIAL**

Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not

officially concerned with such process. Any effort by a Bidder to influence the Company's processing of Bids or award decisions may result in the rejection of the Bidder's Bid.

## **20.0 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.

## **21.0 PRELIMINARY EXAMINATION OF BIDS / RESPONSIVENESS**

- 21.01 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.
- 21.02 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.
- 21.03 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.
- 21.04 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.

## **22.0 EVALUATION AND COMPARISON OF BIDS**

- 22.01 The evaluation of Bids shall be done based on the delivered cost competitiveness basis.
- 22.02 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.

- 22.03 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.

22.04 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**

### **23.0 CONTACTING THE COMPANY**

23.01 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.

23.02 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.

### **24.0 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 or to annul the Bidding process or 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.

### **25.0 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 other bidders in the tender, provided it is required for progress of project & provided the bidders agree to come to the lowest rate.

Please note that abnormally higher or abnormally lower bids shall not be considered with respect to estimated cost. The criteria decided by BRPL on this shall be final and binding on the bidders.

### **26.0 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.

### **27.0 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.

## 28.0 CORRUPT OR FRADULENT PRACTICES

28.01 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:

**"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

**"Fraudulent practice"** means a misrepresentation of facts in order to influence a award process or the execution of a contract to the detriment of the Company, and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive the Company of the benefits of free and open competition.

(b) Will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question ;

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

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

## **SECTION-III**

### **COMMERCIAL TERMS & CONDITIONS**

#### **TERMS & CONDITIONS**

BSES Rajdhani Power Limited is a COMPANY (having license) in the business of distribution and retail supply of Electricity in the areas of its Distribution Network in South and West Circles of BRPL.

Whereas the COMPANY is desirous of engaging a third party and wants to assign the regular, routine, preventive and predictive maintenance of 66/33 KV Grid Sub Stations, O/Head and U/Ground lines, attending to emergency breakdowns covered under the area BRPL.

#### **PRIORITY OF CONTRACT DOCUMENTS:**

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

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

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

#### **1.0 DEFINITIONS & INTERPRETATION:**

The following terms & expressions as used in the CONTRACT shall have the meaning defined and interpreted hereunder:

1.1 COMPANY: The terms "Company" shall mean BSES Rajdhani Power Ltd. having its office at BSES Bhawan, Nehru Place, New Delhi-110019, Corporate Identification Number:U74899DL2001PLC111527, Telephone Number : +91 11 3009 9999, Website : [www.bsedelhi.com](http://www.bsedelhi.com) and shall include its authorized representatives, agents, successors and assigns.

1.2 CONTRACTOR: shall mean the successful tenderer / vendor to whom the contract will be awarded and shall include its authorized representative, agents, successors, and assigns.

1.3 CONTRACT SPECIFICATION: The terms "CONTRACT Specification" shall mean the Technical specification of the work as agreed by contractor and description of work as detailed and all such particulars mentioned directly/referred to or implied as such in the contract.

1.4 SITE: The terms "Site" shall mean the working location in BRPL area.

1.5 ENGINEER IN CHARGE: "Engineer In-charge" means the Company's authorized representative for the purpose of carrying out the work. For this Work Engineer In-charge shall be DGM (EHV-O&M/TRL/Protection) of the respective area (BRPL).

1.6 Good Industry Practice: means the exercise of that degree of skill, diligence and prudence which is expected from a skilled, experienced and recognized contractor engaged in the same type of undertaking similar to the one undertaken by the Contractor and acting generally in accordance with the prevailing laws, rules, regulations, codes and industry standards.

1.7 Effective Date: means the date when Contractor through its authorized representative places its signature on the duplicate copy of this contract.

1.8 Rate: The unit rates for the work to be carried out at site shall be as per finalized unit rates through tender and payable by the Company to the Contractor for the due, complete and proper performance of the jobs covered under this contract.

## **2.0 EXAMINATION OF SITE AND LOCAL CONDITIONS:**

The CONTRACTOR has to visit the site of the work under the order and ascertain thereof all site conditions and information pertaining to his work. The COMPANY shall not accept any claim whatsoever arising out of the difficult site/terrain/local conditions, if any.

## **3.0 LANGUAGE AND MEASUREMENT:**

The CONTRACT issued to the contractor by the company and all correspondence and documents relating to the CONTRACT placed on the Contractor shall be written in English language. Metric System shall be followed for all dimension, units etc.

## **4.0 EXECUTION OF WORKS:**

The CONTRACTOR hereby confirms and undertakes the full responsibility of the assigned works for carrying out the regular, routine, preventive and predictive maintenance of 66/33 KV Grid Station /Sub Station, O/Head and U/Ground lines, attending to emergency breakdowns covered under the area in BRPL.

The detail of works to be carried out by the CONTRACTOR is as mentioned in ANNEXURE II. However, work allocation shall be communicated by the respective DGM (EHV-O&M/TRL/ Protection), of the areas. The CONTRACTOR also agrees to undertake any maintenance work pertaining to above Grid Station /Sub Station issued by the COMPANY for maintenance purpose which may be required to be carried out over and above the work highlighted in the ANNEXURE II for the smooth working of the system. To perform above the CONTRACTOR shall deploy minimum manpower & resources as agreed.

The CONTRACTOR shall conduct the maintenance work of highest standards. If at any stage, the COMPANY finds the manpower not suitable or not up to the mark, the CONTRACTOR shall deploy the alternate manpower immediately.

Further, the COMPANY reserves the right of engaging any other agency or resorting to any other suitable means without giving any reason, to carry out these jobs in the event of necessity of the COMPANY or the workmen of the CONTRACTOR refusing to work, going on strike or for any other reason likely to lead to loss of productivity.

The COMPANY also reserves the right to add any Grid and/or expansion units of existing Grids or delete from the scope of work so assigned to the CONTRACTOR if the circumstances so warrant.

The COMPANY and the CONTRACTOR specifically agree to fully co-operate and ensure effective implementation of the Agreement. For the aforesaid purpose, DGM (EHV-O&M/TRL/Protection) of each Grids nominated by the COMPANY and nominee of the CONTRACTOR shall work jointly. The CONTRACTOR shall keep the COMPANY informed of the work progress as per the COMPANY'S requirement in addition to timely submission of monthly reports to facilitate a review. A daily diary or register shall be maintained by the CONTRACTOR for day today work carried out by the CONTRACTOR as per instructions.

The CONTRACTOR shall ensure availability of all necessary tools and tackles and other equipment new or in working condition for carrying out the assigned jobs by their manpower.

It shall be the responsibility of the CONTRACTOR to organize and transport of materials like Cable, Tube light and fittings, lamps, CT & PT & Spares Parts, Oil, equipment, cement, or any other material to be used for maintenance purpose only, issued from any of the COMPANY's Store / Godown to the site of work and back to Stores within the area of work.

System improvement work, augmentation work, C W O works are not covered in scope of the CONTRACTOR.

The COMPANY shall arrange any permission from the local authorities like MCD, DDA, PWD, DJB and Traffic Police. Also, Shut down shall be provided by the COMPANY.

The COMPANY shall provide Electricity and Water free of charge to the CONTRACTOR to the extent possible at single point near the work site for performing the maintenance activities as per scope of work of the agreement

## **5.0 CONTRACT PRICE:**

COMPANY shall pay a FIXED amount on monthly basis as Rates finalized through tender for respective AMC. The above values will remain firm and final for the entire duration of work to be carried out by the VENDER, and are not subject to any escalation and variation for any reason whatsoever.

Any change in the minimum wages during the contracting period, the impact only in the wages of the employees will be effected in the contract. There will be no change on margin amount on account of revision in minimum wages.

#### **6.0 TAXES & DUTIES:**

All taxes and duties including labour cess (except GST) leviable by State or Central Governments or local bodies shall be to the CONTRACTOR 's account including any taxes and duties which may be levied fresh by the Governments during currency of this Agreement. Income tax will be deducted from your bills as Tax Deduction at Source (TDS).

GST shall be paid extra at actual 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.

#### **7.0 TERMS OF PAYMENT:**

The payment shall be made as under:

- a) Payment shall be made to the CONTRACTOR within 30 Days of submission of certified Bills at Vendor Support Cell subject to fulfillment of contractual obligations, marks scored against the KPI's mentioned in SECTION-IV (Scope of Work) enclosed.
- b) All payment related to the manpower engaged by the AMC contractors shall be made on the basis of biometric attendance records.
- c) The contractors shall submit the GST deposit receipt of a particular month in the invoice of the immediate subsequent month for release of the payment.
- d) The VENDOR should raise a bill (s) on monthly basis to the COMPANY. All bills shall be submitted to the Engineer in charge for verification / certification for work along with necessary statutory records; challan slips etc. and also the Certificate to be certified by Engineer in Charge for Minimum wages paid by the VENDOR.
- e) The Bills shall be certified by Engineer in charge, within 2 days from the date of submission.
- f) The certification of Bills by the Engineer in charge shall mean that all the jobs specified wherever in the contract / Annexure has been carried out by the VENDOR satisfactorily which shall hold good for payments of Bills.

g) Final Bill Payment: The CONTRACTOR shall submit NO DUES CERTIFICATE issued by Circle Head as per BRPL format alongwith the final bill.

## **8.0 CONTRACT PERFORMANCE SECURITY BANK GUARANTEE:**

8.1 CONTRACTOR shall furnish the Security Performance Bank Guarantee in the prescribed format (Appendix I) within 1 month from the date of issue of Order for due performance of the provisions of Work Order.

8.2 The Security Performance Bank Guarantee shall be of 10% of the yearly contract value and shall be valid till contract period, plus three (3) months towards claim period. This amount shall remain fixed during the currency of the contracts. No increase / decrease in values shall be made in middle due to change in the total value of the contracts.

8.3 The Security Performance Bank Guarantee shall be issued from any nationalized/ scheduled bank as per company format.

8.4 The Company shall reserve the right to invoke the bank guarantee 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.

8.5 In the event, in Company sole judgment, the Contractor has fulfilled all its obligations under this Contract, Company shall release the security 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.

## **9.0 PROPER AVAILABILITY OF T&P:**

The contractor shall provide T&P to their staff as mentioned in SECTION-VII. The contractor will provide all tools in the beginning of contract and will ensure the proper availability of tools and tackles as per that list throughout the contractual period. These tools shall be of make as specified in Section-VII. It shall be responsibility of contractors to replenish and maintain the existing T&P on regular basis.

- I. All the T&P shall be tagged / marked as "BRPL-T/G-Circle Name-Serial No." , For eg. South Transmission line T&P shall be tagged / marked as "BRPL-T-S-01"
- II. A certificate from respective circle head to this effect under point no. 1 above and that T&P has been provided to all AMC staff.

## **10.0 OPENING OF OFFICE AT SITE:**

The CONTRACTOR shall also open and maintain a site office in the area and post there its authorized representative.

## **11.0 IMPLEMENTATION OF PERFORMANCE INCENTIVE SCHEME:**

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In order to improve overall performance, an additional incentive will be rewarded as a performance incentive to the contractors. Likewise, poor performance shall be penalized. The basis and process for implementation of the scheme is described in **SECTION-IV**.

**12.0 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

**13. PENALTY:**

a) Following penalties shall be imposed on the contractor:

Sl. No.	Grid / Lines	Clause to be added in Performance score card	Impact
1	Lines	Regular patrolling of Lines and ensuring trimming of trees, reporting of 'accessibility by encroachers'.	Ensure reduction of tripping in O/H feeders by 15% atleast. Penalty @1% can be imposed if there is no reduction at all in any quarter wrt to same quarter previous year. BRPL shall impose penalty on monthly billed amount (excluding taxes)
2	Grid/ Lines	In case of any written complaint by BSES DGM/Engineer Incharge on issues of Manpower availability, punctuality, non-adherence of instructions/ contract provisions, safety lapses etc BRPL shall impose penalty on billed amount (excl. tax)	Penalty of 0.5% at 1st complaint, 1% at 2nd complaint and 2% with termination of contract in case of 3rd complaint in any quarter of contract period. . BRPL shall impose penalty on monthly billed amount (excluding taxes)
3	Grid/ Lines	Contractor to ensure use of proper cleanliness at work place, shall ensure regular removal of vegetation, proper stacking oil drums and other miscellaneous items. Penalty shall be imposed on any adverse note communicated on these issues.	Penalty of 0.5% at 1st complaint, 1% at 2nd complaint and 2% with termination of contract in case of 3rd complaint in any quarter of contract period. BRPL shall impose penalty on monthly billed amount (excluding taxes)

b) Penalty for damage of material issued:

Any damage to material provided by the company the same shall be recovered @ 130% of BRPL’s purchase cost . The Company shall be entitled to set off the entire amounts due from the CONTRACTOR against the Rates payable by Company to the CONTRACTOR.

#### **14.0 HUMAN RESOURCE ISSUES:**

14.1 The CONTRACTOR would execute these works through their own resources.

14.2 The CONTRACTOR shall bear all expenses/cost to be incurred towards salary, allowances, perks, traveling allowances, advances, insurance, safety measures, security, transportation and all other misc. expenses etc. of their employees/ workmen during the tenure of AMC. Also, the CONTRACTOR shall be sole responsible for making payment for Out-patient department, Hospitalization, Compensation thereof in case of any accident, injury or death.

14.3 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.

The detailed penalty clause related to employee's ID card shall be as under:

a) It is agreed by the vendor that within five (5) days from the commencement of agreement/ date of award of work order/ date of renewal of agreement, the vendor shall be bound to intimate BRPL the details of manpower deputed by vendor for the performance of task under this agreement in BRPL specified format.

b) It is agreed by the vendor that in case of change of manpower deputed by the vendor under this instant agreement, the vendor shall promptly but not later than twenty four (24) hours of such change intimate BRPL in writing about the said change and submit the revised details in the BRPL specified format

c) It is further agreed by the vendor that it shall promptly but not later than seven (7) working days from the commencement of agreement/ date of award of work order/ date of renewal of agreement, ensure the issuance of the photo identity cards, issued by BRPL Security, to all the personnel deputed by the vendor. The ID Cards shall also bear the name of the employer/ vendor, the contact details of the personnel and the employer and shall ensure that all the personnel, during the performance of task under the agreement, shall wear/ display those ID Cards.

d) That in addition to the events of default as specified above, it has been agreed by the parties to the agreement that the following events shall also be counted as events of default and the vendor shall ensure not to commit the same:

(i) # of staff found working without valid ID Cards (ID Cards issued by BRPL Security) / Not carrying ID cards to the workplace.

(ii)# of staff carrying validity lapsed (expired) ID Cards as against the number of staff billed for

(iii)# of staff found carrying vendor issued ID Cards, instead of through BRPL Security - Vendors cannot issue ID cards for the manpower deployed on BRPL work.

That the failure by the vendor in compliance of the terms stated in section above and/ or the commission of defaults as notified above, i.e. non issuance of ID Cards, non-display of ID Cards by the personnel of the vendor and/ or the commission of any of the defaults, shall attract an agreed penalty for the sum of Rs. 1000 per person per day and the same shall be deducted from the monthly bill of the vendor without any advance intimation to vendor by BSES.

Certification of penalty (defaults and sum penalized) shall be through BRPL Security, along with intimation to concerned User Department, C&M, F&A. A notice shall be sent to vendor/ agency.

e) That in addition to the penalty as specified above, in case of the occurrence of any blacklisted manpower during enrolment (proposed by vendor, identified by BRPL Security or through system-based verification) or found working on the field shall incur a penalty of 1% or Rs Fifty Thousand (50000), whichever is lower, from the monthly bill of the vendor.

i) Even for 1 blacklisted staff identified

ii) Security shall share list of blacklisted staff with BRPL Vigilance, C&M and VSC departments.

iii) VSC shall share the list with respective vendors.

iv) New vendors shall not be penalized for enrolment of blacklisted staff through BRPL Security. However, subsequent enrolment proposal will come under penalty.

f) It is further agreed that in case of repeated default as specified above, beyond 6 months, the same, without prejudice to other penalties/ remedies that can be resorted under the terms of this agreement, shall attract the encashment of the 50% of the BG amount of the vendor by BRPL as additional penalty. It is agreed by the vendor that the encashment of 50% of the sum is recorded as pre-agreed liquidated damages and the vendor, shall not be having any right to dispute/ deny the same.

g) It is further agreed by the vendor that the imposition of penalty and the quantum thereto shall be the sole jurisdiction of BRPL and no claim/ dispute by Vendor, challenging the imposition of penalty and/ or the quantum thereto shall be maintainable.

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.

14.4 The CONTRACTOR to deploy their manpower immediately for carrying out the work as specified above.

14.5 The CONTRACTOR should ensure that there are no disputes regarding service, payment etc of the persons engaged by him, anytime during the currency of the contract. At no point of time during the currency of contract, the CONTRACTOR's employees shall insist upon the COMPANY for employment, wages, and allowances or any other related matter, payment etc.

14.6 The CONTRACTOR shall not deploy the manpower below the age of 18 years or above the age of 58 years.

14.7 The CONTRACTOR shall not deploy the female manpower between 7 PM to 6 AM.

14.8 The CONTRACTOR shall be directly responsible for any / all disputes arising between him and his persons and keep the COMPANY indemnified against all losses, damages and claims arising thereof. The CONTRACTOR shall resolve any dispute of their manpower. All the legal dues of their manpower is to be paid on due date or within 8 days on the termination of manpower.

14.9 All safety wears required for the CONTRACTOR's manpower during the execution of work such as safety shoes, safety helmets, hand gloves, safety belt, goggles etc. must be provided by the CONTRACTOR at his own cost and he shall ensure that his employees regularly use such safety gears while executing COMPANY's work.

14.10 The CONTRACTOR shall be responsible for discipline of his manpower and shall adhere to the disciplinary procedure set by the COMPANY at site. The COMPANY shall be at liberty to object to the presence of any representative or employees of the CONTRACTOR at the site, if in the opinion of the COMPANY such manpower has done any act of misconduct or negligence or otherwise undesirable, then the CONTRACTOR shall remove such a person objected to and provide a competent replacement immediately.

14.11 The CONTRACTOR shall ensure that he has complied with the following:

- has paid minimum wages to his manpower as per the rate notified from time to time by the Government of National Capital Territory of Delhi.

- Contractor shall disburse the salary of his staff through ECS only. No payment by cheque / cash is acceptable.

14.12 Deduct and deposited ESI and PF contribution. Copies of the same shall be submitted.

14.13 The COMPANY reserves the right to demand the CONTRACTOR's services on holidays as well as beyond the normal working hours.

14.14 The CONTRACTOR will ensure that none of their person is engaged in any unlawful activities subversive of the COMPANY's interest failing which suitable action may be taken against the CONTRACTOR as per the terms and conditions of this tender.

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

14.16 The CONTRACTOR's employees shall not be treated as COMPANY's employees / persons for any purpose whatsoever & facilities/ benefits applicable to the COMPANY's employees shall not be applicable to CONTRACTOR's employees. If due to any reasons whatsoever the COMPANY is made liable to meet any obligation under any of the laws & enactment etc, for any reason whatsoever the same shall be recovered from the CONTRACTOR or from any of the bills payable to him or failing which it shall be recovered as per law.

14.17 The CONTRACTOR shall be responsible and shall comply with the provision of all the STATUTORY ACTS APPLICABLE including but not limited to the following acts where special attention of the CONTRACTOR is required to be drawn towards the compliance of provision (along with the latest amendments/additions).

14.17.1 The Child Labour (Prohibition and Regulation) Act, 1986.

14.17.2 The Contract Labour (Regulation and Abolition) Act, 1970.

14.17.3 The Employee's Pension Scheme, 1995.

14.17.4 The Employee's Provident Funds and miscellaneous provisions Act, 1952.

14.17.5 The Employees State Insurance Act, 1948.

14.17.6 The Industrial Disputes Act, 1947.

14.17.7 The Maternity Benefit Act 1961.

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- 14.17.8 The Minimum Wages Act, 1948.
- 14.17.9 The Payment of Bonus Act, 1965.
- 14.17.10 The Payment of Gratuity Act, 1972.
- 14.17.11 The payment of Wages Act, 1936.
- 14.17.12 The Delhi Shops & Establishment Act, 1954.
- 14.17.13 The Workmen's Compensation Act. 1923.
- 14.17.14 The Employer's Liability Act, 1938.

Further the contractor shall comply with all the amendments to existing acts, upcoming new comprehensive labour acts related to applicable labour law, wage code etc.

#### **15.0 STATUTORY PERMISSION/ APPROVALS:**

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, 1948, 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 and produce the documents whenever necessary. Broadly, the compliance shall be as detailed in ANNEXURE-I enclosed.

#### **16.0 TECHNICAL INFORMATION/DATA:**

The COMPANY and the CONTRACTOR, to the extent of their respective rights permitting to do so, shall exchange such technical information and data as is reasonably required by each party to perform its obligations and responsibilities. The COMPANY and the CONTRACTOR will keep each other in confidence and to use the same degree of care as it uses with respect to its own proprietary data to prevent its disclosure to third parties of all technical and confidential information. The technical information, drawings, records and other document shall not be copied, transferred, traced or divulged and / or disclosed to third party in full / part not misused in any other form. These technical information, drawing etc. shall be returned to the COMPANY with all approved copies and duplicates. In the event of any breach, the CONTRACTOR shall indemnify the COMPANY against any loss, cost of damages or claim by any party in respect of such breach.

#### **17.0 CONFIDENTIAL INFORMATION:**

That any information concerning the COMPANY which is designated in writing as proprietary and confidential, the CONTRACTOR shall not publish or otherwise disclose it to others.

The CONTRACTOR shall, at all times use their best endeavor to keep confidential all information. Accordingly, the CONTRACTOR shall not disclose the same to any other person, provided that the provisions of this section shall not apply to information which:

- was furnished prior to the signing of Agreement / issuance of this tender document, without restriction ;
- is or becomes knowledge available within the public domain (other than by breach of the foregoing obligation of confidentiality) ;
- is received by either the COMPANY or the CONTRACTOR from a third party without restriction

is independently developed by either the COMPANY or the CONTRACTOR provided that (i) nothing herein shall limit the right of the COMPANY to provide any information regarding the CONTRACTOR or any other person who has executed a confidentiality undertaking to the COMPANY covering the CONTRACTOR confidential information that is substantially similar to the provision of this section or otherwise with the CONTRACTOR's consent; and (ii) the CONTRACTOR may provide to their employee any information necessary to carry out the services.

**18.0 ASSIGNMENT:**

Notwithstanding anything contained here to the contrary, the CONTRACTOR shall not assign or sublet or transfer all or any of its rights or obligations under this Agreement to any other party without the prior written consent of the COMPANY. The CONTRACTOR shall perform its obligations in a manner consistent with the job requirements to the satisfaction of the COMPANY.

**19.0 COMPLIANCE OF APPLICABLE LABOUR LAWS INCLUDING SAFETY RULES AND REGULATIONS:**

The CONTRACTOR confirms and undertakes to comply with all applicable Labour Laws/Model Standing Orders and other statutory provisions as applicable in discharging its functions and duties under these presents and under specific Work Orders and fully observe applicable safety rules and regulations. The CONTRACTOR will provide protective safety equipments to its employees / workmen deployed. It will be also obligatory on the

CONTRACTOR to comply with all the statutory requirements related to work-permit, periodic testing of various tools and tackles, including lifting tools, EHV Training & Testing kits etc. 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 its workmen as well as other workers, public, equipment, structures etc. at site.

**20.0 REPRESENTATION, WARRANTIES AND GUARANTEES:**

The Contractor hereby represents warrants and guarantees that:

- i) It is a 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.

## **21.0 FORCE MAJEURE:**

### **21.1 General:**

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

Such event or circumstance, despite the exercise of reasonable diligence, could not have been prevented, avoided or reasonably foreseen by such Party;

Such event or circumstance materially and adversely affects the ability of the affected Party to perform its obligations under this Contract, and the affected Party has taken all reasonable precautions, due care and reasonable alternative measures in order to prevent or avoid the effect of such event on the affected party's ability to perform its obligations under this Contract and to mitigate the consequences thereof. For the avoidance of doubt, if such event or circumstance would not have materially and adversely affected the performance of the affected party had such affected party followed good industry practice, such event or circumstance shall not constitute force majeure.

Such event is not the direct or indirect result of the failure of such Party to perform any of its obligations under this Contract; and

Such Party has given the other Party prompt notice describing such events, the effect thereof and the actions being taken in order to comply with Article 14.1

### **21.2 Specific Events of Force Majeure:**

Subject to the provisions of Article 14.1, Events of Force Majeure shall include only the following to the extent that they or their consequences satisfy the above requirements:

The following events and circumstances:

Effect of any natural element or other acts of God, including but not limited to storm, flood, earthquake, lightning, cyclone, landslides or other natural disasters, and Explosions or fires

Public disorder, insurrection, rebellion, sabotage, riots or violent demonstrations of a local character;

Declaration of the Site as war zone.

Any order, regulation, directive, requirement from any Governmental, legislative, executive or judicial authority.

### **21.3 Notice of Events of Force Majeure:**

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

Immediately notify the other party in writing of the force majeure events within 2 working days of the occurrence of the force majeure event

Be entitled to suspend performance of the obligation under the Contract which is affected by force majeure event for the duration of the force majeure event

Use all reasonable efforts to resume full performance of the obligation as soon as practicable

Keep the other party informed of all such efforts to resume full performance of the obligation on a regular basis

Provide prompt notice of the resumption of full performance or obligation to the other party.

#### **21.4 Mitigation of events of force majeure:**

The Contractor shall:

(i) Make all reasonable efforts to prevent and reduce to a minimum and mitigate the effect of any delay occasioned by an Event of Force Majeure, including applying other ways in which to perform the Contract;

(ii) Use its best efforts to ensure resumption of normal performance after the termination of any Event of Force Majeure and shall perform its obligations to the maximum extent practicable as agreed between the Parties; and

(iii) Keep the Company informed at regular intervals of the circumstances concerning the event of Force Majeure, with best estimates as to its likely continuation and what measures or contingency planning it is taking to mitigate and or terminate the Event of Force Majeure.

#### **21.5 Burden of proof:**

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

#### **21.6 Terminations for certain events of force majeure:**

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

#### **22.0 RISK & COST :**

If the Contractor fails to execute the work as per specification / as per the direction of Engineer's In-charge within the scheduled period and even after the extended period, the contract shall got cancel and company reserves the right to get the work executed from any other source at the Risk & Cost of the Contractor. The Extra Expenditure so incurred shall be debited to the Contractor.

#### **23.0 TERMINATION:**

During the course of the execution, if at any time the COMPANY observe and forms an opinion that the work under the order is not being performed satisfactory and the performance of the CONTRACTOR not found

satisfactory, the COMPANY reserves its right to cancel/ terminate this Agreement giving 30 days notice without assigning any reason and the COMPANY will recover all damages including losses occurred due to loss of time from the CONTRACTOR. On receipt of such notice the CONTRACTOR shall immediately stop all activities related to the work terminated. This is without prejudice to other rights under the terms of contract. The CONTRACTOR shall hand over the COMPANY all drawing/documents prepared for this contract up to the date of cancellation of order.

**24.0 WORKMEN COMPENSATION:**

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

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

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

**25.0 THIRD PARTY INSURNACE:**

The Contractor shall, before the commencement of work, take a Third Party Insurance of an adequate value, at his own cost and expenses, securing all the risks/losses/damages which may be caused to any third party and/or BRPL and/or its employees/associates, because of the omission/performance of tasks due to default on the part of the contractor under this agreement. The full and final settlement of claims raised by third parties shall be the sole responsibility of the contractor without any liability to BRPL.

It is further agreed by the contractor that in case of defect/damage to the system because of default on the part of the contractor, the contractor shall, at its own cost, be liable to replace/rectify the same at the earliest or make good the loss suffered by BRPL.

**26.0 ARBITRATION:**

To the best of their ability, the parties hereto shall endeavor to resolve amicably between themselves all disputes arising in connection with the proposed Agreement. If the same remain unresolved, within fifteen (15) days of the matter being raised by either party, either party may refer the dispute for settlement by arbitration. The arbitration to be undertaken by a sole arbitrator to be appointed by the company. The decision of the arbitrator is final and binding upon both 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 New Delhi only.

**27 i) ACCIDENTAL INSURANCE POLICY FOR LIFE COVER:**

Before commencing the execution of the work the CONTRACTOR shall take Group Personal Accidental Insurance Policy for the staff engaged by him for this work to insure against any loss of life / disablement, which may occur during the contract for the work of the COMPANY. The policy shall have GPA coverage of Rs.15 Lacs (Table C- Death cover + Permanent Total Disability + Permanent Partial Disability). Permanent Total Disability coverage shall be 125% of basic sum insured of Rs.15 Lacs. The Contractor shall be responsible for on the spot same day claim settlement with the victim's legal heirs without waiting for settlement by insurance claim without any liability on BRPL. The premium amount for such life cover policy shall be reimbursed to the contractor at actual or a maximum of Rs. 1696/- per person per annum whichever is lower. The contractor shall furnish copy of policy when demanded by BRPL.

**27.0 ii) COVID GUIDELINES:**

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

**27.0 iii) COVID INSURANCE POLICY:**

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 for the work of the COMPANY. 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 premium amount for such life cover policy shall be reimbursed to the contractor at actual or a maximum of Rs. 1003/- per person per annum whichever is lower. The contractor shall furnish copy of policy when demanded by BRPL.

**Please note that the premium amount of Covid Policy and GPA policy is not included in the tender cost.**

**28.0 INDEMNIFICATION:**

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:

- a) Any breach non-observance or non-performance by contractor or its employees or agents of any of the provisions of this Work Order.
- b) Any act or omission of contractor or its employees or agents.
- c) 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.

Contractor shall at all times indemnify COMPANY against all liabilities to other persons, including he employees or agents of COMPANY or contractor for bodily injury, damage to property or other loss which may arise out of or in consequence of the execution or completion of Works and against all costs charges and expenses that may be occasioned to COMPANY by the claims of such person.

**29.0 GOVERNING LAWS AND JURISDICTION:**

This proposed Agreement shall be construed in accordance with and governed by Laws of India. The courts of Delhi shall have the exclusive jurisdiction in all matters arising under this Agreement.

**30.0 ENVIRONMENTAL, HEALTH & SAFETY PLAN:**

Contractor will make 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 induction 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 contractors' staff is accountable for the following:

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 instructed

Keep tools in good condition

Report to the Supervisor any unsafe or unhealthy condition or any defects in plant or equipment

Develop a concern for safety for themselves and for others  
Prohibit horseplay

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

**30 A) 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.

**30 B) GUIDELINES REGARDING INSPECTION & MAINTENANCE OF PITS/ DUG AREA WHILE DOING WORK AT SITE IN BRPL AREA**

The contractor shall ensure strict compliance of the following directions:

- a) The sites of all manholes, pits, holes, tanks or any other opening in the ground of any kinds shall be regularly inspected and maintained.
- b) Schedule and protocols of inspections and maintenance shall be drawn up and notified to BRPL.
- c) These sites shall be cordoned off to render them inaccessible to the public.
- d) The existence of these sites shall be clearly & visibly marked by the display of signboards/signages.

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Bidders seal & signature

e) If they are required to be covered, it shall be ensured that the covers are in place. The Execution vendors shall be responsible for all the preventive and protective environmental steps as per guidelines. Any violations from the above guidelines has 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.

### **31. SAFETY CODE:**

The Contractor shall ensure adequate safety precautions at site as required under the law of the land to facilitate safe working during the execution of work and shall be entirely responsible for the complete safety of their workmen as well as other workers at site and premises during execution of contract.

The contractor shall observe the safety requirements as laid down in the contract and in case of sub-contract (only after written approval of company), it shall be the responsibility of main contractor that all safety requirements are followed by the employees and staff of the sub-contractor.

The contractor employing two hundred employees or more, including contract workers, shall have a safety co-ordinator in order to ensure the implementation of safety requirements of the contract and a contractor with lesser number of employees, including contract workers, shall nominate one of his employees to act as safety co-ordinator who shall liaise with the safety officer on matters relating to safety and his name shall be displayed on the notice board at a prominent place at the work site.

The contractor shall be responsible for non-compliance of the safety measures, implications, injuries, fatalities and compensation arising out of such situations or incidents.

In case of any accident, the contractor shall immediately submit a statement of the same to the owner and the safety officer, containing the details of the accident, any injury or casualties, extent of properly damage and remedial action taken to prevent recurrence and in addition, the contractor shall submit a monthly statement of the accidents to the owner at the end of each month.

### **32. NOTICE:**

All notices required or provided for in this Agreement shall be in writing and shall be deemed to have been duly and properly served upon the parties hereto if delivered against acknowledgement or by registered mail with acknowledgement due at the address mentioned herein:

BSES Rajdhani Power Ltd.

BSES Bhawan, Nehru Place,

New Delhi-110 019

### **33. PERFORMANCE:**

The performance of the CONTRACTOR shall be reviewed by the company for the work done by the CONTRACTOR. If the performance of CONTRACTOR not found to be satisfactory, the contract shall be terminated and communicated to all concerned.

### **34. 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.

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**35. 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.

**36. EFFECTIVE DATE AND VALIDITY:**

The award of work shall become effective for all purposes from the date of issuance and shall remain valid for a period of 24 months. The contract performance shall be reviewed after 1 year from the date of issuance for continuity of the validity of the contract based on the performance assessment.

After expiry of the validity period, it may be extended/renewed/replaced for such further period on such terms and conditions as may be mutually agreed to between the COMPANY and the CONTRACTOR. If no agreement is reached between the parties before the expiry of this Agreement, the said Agreement shall automatically lapse after expiry of the contract

**37. VENDOR CODE OF CONDUCT:**

Contractor confirms to have gone through the Policy of BRPL on legal and ethical code required to be followed by contractors encapsulated in the “Vendor Code of Conduct” displayed on the official website of BRPL ([www.bsedelhi.com](http://www.bsedelhi.com)) also, which shall be treated as a part of the contract

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 contract.

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/Vendor or its officers, agents & representatives etc.

**38.0 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.

## ANNEXURE-I

### STATUTORY REQUIREMENT

The Contractor should obtain and submit the following details before commencement of work.

- Certificate of registration under Contract labour (R & A) Act 1970.
- PF Code No. and all employees to have PF A/c No. under PF Act, 1952
- All employees to have a temporary or permanent ESI Card as per ESI Act.
- ESI Registration No.
- To follow Minimum Wages Act prevailing in the state.
- Salary/ Wages to be distributed not later than 7th of each month in presence of Division in Charge. A certificate to this effect should be certified & enclosed with the bill.
- To maintain Wage cum Attendance Register.
- To maintain First Aid Box at Site.
- GST registration number.
- Electrical License.
- Workmen compensation policy.
- Third party Insurance Policy.
- PAN number.
- Accidental Insurance Policy
- Registration of Contractors & Contractual Employees under Building & other Construction Worker Welfare Cess Act 1996 & The Building & other Construction Workers (Regulation of Employment & Conditions of services ) Act 1996.
- Registration under “The Delhi Building and other Construction Worker (Regulation of Employment and Conditions of Services) Rules 2002(B.O.C.W.)”.
- The CONTRACTOR shall give a written declaration / undertaking on or before 15th of the following month that he has complied with the following:
  - a) Has paid minimum wages to his manpower.
  - b) Deduct and deposited ESI/PF contribution. Copy of the same shall be submitted
- Contractor shall comply with all the amendments to existing acts, upcoming new comprehensive labour acts related to applicable labour law, wage code etc

## SECTION-IV

### **SCOPE OF WORK**

BRPL is looking for well experienced, Class A electrical contractor, who can provide manpower/ resources along with management staff to take responsibility of maintenance and attend fault in network from 66/33KV Grids/TRL upto Grid panel .

Apart from maintaining the network from electrical supply point of view, the work scope includes ensuring network safety for user/ consumers/ animals/ residents in the area. Needless to say, it also includes aesthetic of network.

**Purpose:** Performance based on delivery across following deliverables:

- Outage Reduction
- Maintenance Cost Optimization
- Reliable and quality power supply to enhance Customer delight
- Asset life enhancement by proper operation & maintenance
- Quality & safety of Equipments, surrounding, Manpower and users.

**Following is the scope of work under the Grid AMC Contract:**

**(A) Manpower & Training Related:**

1. Contractor has to provide resources as per Annexure-‘A’. All manpower should be trained and has capabilities to carry out the assigned job.
2. Contractor should provide skilled manpower in operation and maintenance of Grid Substation, Power Transformer, Switchgear, CT and PT. The list of engineers to be provided in advance so that buyer can test their skill.
3. Contractor must have extra skilled staff in buffer so that substitute staff can be provided when some of them are under training or on leave. In case Bidder win the contract, he has to share list of substitute manpower also.
4. Each AMC Staff including substitute to attend 5 days training/year. For this Contractor has to ensure availability of AMC staff so as work is not affected.
5. Behavioural & Domain training will be provided by the contractor as required and mutually agreed.
6. Contractor will have to give one consolidated PPT every quarter showing progress in the O&M parameters and recommendations for betterment of quality power supply to the consumer.
7. Bidder has to verify the qualification / experience certificate of manpower deployed by him. This also includes ensuring they all have good character certificate.

8. BRPL has a right, to disallow any manpower proposed by Bidder who are not competent enough to handle the assigned job.
9. Contractor has to provide the list of safety officer which will be deployed by him along with academic qualification certificates. This certificate should be part of Technical offer.
10. Engineer and Supervisor should be on contractor roll for the last three years.
11. 25% of working manpower offered by bidder should be on their roll for the last three years.

**(B)Safety Related:**

1. Must have qualified and certified Safety Officer having BE with 5 years of experience in Power Distribution sector.
2. Every Grid substation to be inspected by safety/quality/surveillance officer on quarterly basis and provide “substation health check list” and certification of safety of all electrical equipments in the substation as per the safety standard and the defined templates of BRPL.
3. Safety meeting to be conducted regularly with their own AMC manpower for ensuring safety guidelines. Records of the meeting are to be maintained and shared with management. All safety wears required for the CONTRACTOR's manpower during the execution of work such as safety shoes, safety helmets, hand gloves, safety belt, goggles etc. must be provided by the Contractor.
4. The contractor shall provide required T&P & PPE as per the list provided by BRPL. All the testing instruments shall be properly calibrated and of standard make only. It shall be responsibility of contractors to ensure proper functioning of testing equipments & replenish and maintain the T&P on regular basis. Safety officer of the vendor to give quarterly certificate about fitness of equipments, training to staff and their competency to work.
5. The bidder shall be required to comply with “Standardization of PPE” as elaborated in SECTION-VII.
6. For T&P items like LOTO kits , Hot Stick, Helmet with potential sensor , PPE's , Testing Material /Equipment / or any other safety related T&P or PPE which are issued time to time or at the beginning of the contract , it will be the responsibility of the vendor to keep them in proper working condition and also to maintain them in perfect condition . In case any attachment requires replacement of battery / cell ,vendor needs to arrange of his own .
7. To promote and ensure accident free safety culture, BRPL would review / revise the existing safety policy / practices. The contractor shall fully comply with all such policies and safety norms which would be implemented during the tenure of contract. This shall also include a) any penalties which will be deducted

from the contractor's bills against safety violation that may be decided by BRPL b) The revision of score card to effect such revision of safety policies / practices. This shall be at the sole discretion of BRPL and contractor shall fully comply with this at every stage.

8. If there are two serious accidents in a circle, in a year, then the BRPL team will review the performance of vendor where contract of vendor may be terminated or penalty may be imposed as per advice of the team.

### **( C ) Operation & Maintenance Related(Grid Substation)**

#### 1. Rectification & Maintenance of 66/33 KV Grid S/Stns:

- Replacement of sub-station equipments other than capital works like switchgears, CTs and PTs insulators, capacitor and other petty work. (Equipment shall be supplied by the BRPL).
- Repairing/replacement of jumpers.
- Trimming of tress.
- Replacement of Disc Insulators.
- Repairing of Damaged conductor and its re-sagging.
- Mounting/un-mounting of cable end boxes.
- Providing manpower for conducting FLC of Faulty cables.
- Replacement of clamps of various sizes/replacement of ACSR Zebra/Wolf Conductors used in Grids & Lines.
- Mounting/connecting of revived cables.
- Laying/Dismantling of Control Cables.
- Replacement of damaged/broken clamps of various sizes for various conductors.
- Petty items to be kept reserve as per the instruction of DGM(O&M-EHV) for the maintenance purpose i.e. Adequate quantity of PG Clamps off Sizes, TEE connectors, Isolator pad clamps, CT/PT clamps, different type of nut/bolts, sockets (different sizes) ,bulb for C/R panels and etc. will be kept reserve for attending emergency breakdowns. The material will be provided by BRPL under the supervision and record at DGM-EHV( O&M).

2. Cleaning of C.R. panels and Switch Gear Panels with vacuum Cleaners including tightening of all the connections if required, as per instruction of DGM (EHV-O&M)
3. Ensuring proper lighting in the Yard as well as Switchgear and Control room's internal wiring including indication lighting of C&R Panels.
4. Staking of material, like drum, cables, and other requisite accessories, including fire-extinguishing equipments in proper manner, as per site condition or guidelines of the shift in charge of the grid station.
5. Checking of level of fire Buckets sand regularly in the Grid Station.
6. Painting of equipment & structure in the switch Yard as well as Switch Gear rooms, as per the guidelines and schedule framed by DGM (EHV-O&M). Paint shall be supplied by BRPL.

7. Painting of right nomenclature of the feeder as per the instructions of Engineer - in- charge.
8. All material required for attending to Maintenance/Breakdowns, shall be transported from Store to Site or site to site, by the Conductor, besides providing regular vehicle with Driver, as and when required by field staff for attending to any emergent breakdowns.
9. Maintenance and Testing of earth at each Grid as well as in Transmission Line.
10. Power Transformer and all equipments in Grid Substation and lines to be maintained as per procedures and checklist provided by BRPL.
11. All the testing (Routine as well as emergency) activity including replacement of faulty relays.
12. Penalty terms will be covered through AMC Score card.

**( D ) Operation & Maintenance Related(Transmission Lines)**

1. Rectification & Maintenance of 66/33 KV O/Head and U/Ground Lines/Conductor:
  - Patrolling of over-head lines and sharing of reports indicating discrepancy if observed with respect to any loose guard wires or disconnected /non - functionin of earthing of the line /cable up to the Grid End. Reports to be shared on weekly basis with ATR to the DGM(EHV-O&M).
  - Repairing/replacement of jumpers.
  - Trimming of tress.
  - Replacement of Disc Insulators and Pin Insulator.
  - Stringing of Conductor and Stringing of Aerial Earth Wire of Tower Line.
  - Providing of Broken Stays.
  - Repairing of Damaged conductor and its re-sagging.
  - Mounting/un-mounting of cable and boxes.
  - Providing manpower for conducting FLC of Faulty cables.
  - Replacement of clamps of various sizes/replacement of ACSR Zebra/Wolf Conductors used in Grids & Lines.
  - Mounting/connecting of revived cables.
  - Replacement of damaged/broken clamps of various sizes for various conductors.
  - Petty items to be kept reserve as per the instruction of DGM(O&M-EHV) for the maintenance purpose i.e. Adequate quantity of PG Clamps off Sizes, TEE connectors, Isolator pad clamps, CT/PT clamps, different type of nut/bolts, sockets (different sizes) ,bulb for C/R panels and etc. will be kept reserve for attending emergency breakdowns. .
2. Staking of material, like drum, cables, and other requisite accessories, including fire-extinguishing equipments in proper manner, as per site condition or guidelines of the shift in charge of the grid station.
3. Painting of right nomenclature of the feeder as per the instructions of Engineer - in- charge.

4. All material required for attending to Maintenance/Breakdowns, shall be transported from Store to Site or site to site, by the Conductor, besides providing regular vehicle with Driver, as and when required by field staff for attending to any emergent breakdowns. Vehicle should be in good condition.
5. Maintenance and Testing of earth at each Grid as well as in Transmission Line.

**(E) HOUSEKEEPING RELATED:** The contractor's scope shall also include the housekeeping work for various Grids of BRPL along with cleaning material. The scope shall include Cleanliness of the entire work place / dump tree leaves in open area & toilets of the grids. Scope of work shall be as under:

Scope of Housekeeping of BRPL offices and Grids

1. General:

- a. Six days a week including public holidays (except national holidays).
- b. All Services shall be performed as set out herein and in any case in a good workman like manner and shall cover all areas and premises therein.
- c. Contractor accepts that the essence of the Agreement is top class maintenance of the concerned area. No excuse for poor or unsatisfactory housekeeping shall be entertained on this count.

2. Inside the building premises excluding toilets:

- a) Contractor shall perform dusting, sweeping and mopping jobs of all areas, including the tiled areas including thoroughfares, lobby, common areas, electrical services, water supply, common toilet, security services, lift operation services, reception, visitors waiting areas, office cabins, cubicles, meeting rooms, work spaces, utility rooms, basement, pantry, parking area etc and so on with the best quality environmentally friendly chemicals once every day, etc. Contractor shall ensure that Thistle scrubbing / cleaning / dusting etc should shall make the areas free of dirt, stain, odour free, mud, sand, and other kinds of solid particles, including paper and napkins, footprints, liquid spills and other debris.
- b) All movable equipment chairs, dustbins etc shall be removed to clean underneath in the manner aforesaid.
- c) Daily scrubbing with best quality environment friendly chemicals of all tiled areas. Scrubbing of tiled areas once a week
- d) Once a week cleaning and scrubbing of common services areas such as Terraces, Generator rooms, basement, AHU rooms, Car Parking lots etc: once a week.
- e) Daily all flooring including Marble and granite shall be cleaning shall be carried out with special chemicals.  
Daily cleaning of tables and other furniture-tables, chairs, side racks, cup boards, furniture and fixtures, wood paneling etc. with detergents and removable of hard stains like greases, inks etc as and when noticed / instructed.
- f) Scrubbing clean all the window sills in the Establishment cabins etc.
- g) Daily the dustbins and trash receptacles shall be cleaned and sanitized on a daily basis.
- i) Daily sweeping and mopping all the Staircases, handrails, Passages, cubicle partitions, skirting shall be carried out.
- h) cleaning all doormats, vacuuming of drapery.

This may require specialized cleaning so as to make the area free of all litter, lint, loose soil and

debris etc. The specialized cleaning shall be carried out once a week.

- j) Once in two days surface cleaning of all electrical & fire fighting equipments (lights, fans, AC grills, etc), computer peripheries, keyboard, drawers, printers, fax machines, copiers, using the right chemicals & brush.
- k) Daily cleaning the glass surfaces internal and windows on the inside and glass panes inside and outside the cabins and meeting rooms.
- l) Cleaning / Polishing of the telephone instruments and also applying perfume / cologne on the instruments.
- m) Once a month polishing of brass handles, knobs, signage's and other metal items.
- n) Daily removal / sponging of stains from walls etc.
- o) Daily continuous cleaning the pantry and the water cooler areas in each module and in the dining area and keeping them dry.
- p) Daily surface cleaning of the vending machines and keeping the area dry.
- q) Daily cleaning of Venetian blinds, vertical blinds wherever applicable.
- r) Daily cleaning of Ashtrays and dustbins including supply garbage bags of required sizes and send for waste disposal
- s) Once in two days vacuuming and dry dusting of office ceilings to remove cobwebs etc
- t) Weekly cleaning under heavy furniture etc.
- u) Once every two days identify and inform of any maintenance requirements especially in the toilet blocks.
- v) Removal of moss, fungus etc on the building and premises, as and when noticed / instructed.

#### Toilets:

All the Services mentioned below are to be carried out daily except when specifically stated:

- a. Continuous scrubbing, cleaning and refreshing of the toilets including disinfectant treatment of toilets seats and bowl, water closets, urinal blocks and wash basins.

Nonabrasive chemicals shall be used.

- a. Continuous replenishment of the toilet supplies,, tissue papers, garbage bags of required sizes
- b. Scrub and disinfect the toilet
- c. Cleaning of all mirrors to make them spotless
- d. Scrub clean all the vents and window sills to take out all dirt and marks
- e. Emptying the dustbins in the toilets and disinfecting the dustbins with phenol.
- f. Cleaning the doors of the toilets,
- g. Cleaning of all window glasses & exhaust Fans

#### 4. outside the building premises within the periphery of the buildings:

- a. Daily Cleaning of the main road inside the complex in the immediate periphery of the building and utility rooms.
- b. Daily picking up the dry leaves, paper waste, plastic waste etc in the periphery and disposing off the same properly.

#### Waste management:

- a. Daily collection of dry garbage from all the desks etc.
- b. Daily collection of wet garbage and depositing with the vermin compost unit within 2 hours, if any.
- c. Daily Disposal of waste to the designated place.

All cleaning material should be of Johnson diversy, Taski make, as per the following details :

Taski R1 - for bathroom tiles cleaning

Taski R2 - Multipurpose cleaning or floor cleaning

Taski R3 / Colin - for glass cleaning

Taski R6 / Harpic - W/c, Toilet and Urinal cleaning

other cleaning material will also be supplied by the agency as per requirement:

- a. Liquid soaps Lux / Fem brand only
- b. Dettol and Teepol B300
- c. Hit or similar mosquito repellent
- d. Toilet cubes and naphthalene balls
- e. Phenyl and bleaching powder, Vim and Nirma or Surf Washing powder
- f. Dry Dust control and dust pans
- g. Aerosol for the pantry and dining areas and toilet blocks
- h. Air Fresheners Deodorizer and cologne's
- i. Duster , kent mop and Floor mop
- j. Scotch brite scrubbers
- k. Glass Wipers
- l. Brooms nylon, Hard and soft and Mops
- m. Floor cleaning squeezers and wipers
- n. Brushes general, carpets and toilets
- o. Big Dustbins with lid .
- p. Garbage bags for all locations.
- q. Feather brush and Sponges
- r. Toilet Tissue rolls
- s. ALL OUT machines and REFILLS

**(F) KEY PERFORMANCE INDICATORS (KPI)**

Following is the Score card on which performance shall be measured

S.No.	Parameters	Evaluation Criteria	Information source	Score Weightage 19-20	SCORE ASSIGNMENT				Remarks
<b>A</b>	<b>Operational Performance</b>			<b>50</b>	<b>20</b>	<b>10</b>	<b>5</b>	<b>0</b>	
1	EHV breakdown	% YTM Reduction with reference to Division ReductionTarget	OMS	20	>=100% achieved	100%-90% achieved	90% - 80%	<80% achieved	
2	EHV Break down Restoration time	% of Breakdowns attended in stipulated time(1 Hrs)	OMS	10		100%	>=90%	<90%	no marks for outages >1 hr
3	Safety performance in the month	Number of accidents of own employees	Accident reports	10		No Accident	NA	Any accident	Any accident fatal or resulting in body injuries shall warrant a zero score
4	Cleanliness ,Painting and Nomenclature, lighting of yard	5S parameters as per the checklist	DGM, EHV (O&M)	10		>90-100%	80-90%	<80%	
<b>B</b>	<b>Safety System, T&amp;P and Vehicle - Adherence</b>			<b>30</b>					
1	Use of safety gears (gloves, helmets and safety belts) and Creation of safety zone	Safety gears to be checked on persons	Inspection Report of Surveillance Team	10		100% of safety gears and creation of safety zone	>80% of safety gears and creation of safety zone	<80% of safety gears or creation of safety zone	Non-creation of safety zone, leading to an accident shall warrant a zero score
2	Availability of tools and tackles	Weighted average of proper tools found at division/sub-division or with maintenance teams	Inspection Report of Surveillance Team	10		100% Availability of tools	≥90% of tools	<90% of tools	Non-use of tools/ safety gear shall result in deduction of scores

3	Availability of vehicle in good condition	Vehicle in good condition and less than 3 years registration and well maintained and pollution certificate, vehicle registration driver license and insurance documents properly maintained	DGM, EHV (O&M)	10		Vehicle in proper conditions with all documents	NA	Non compliance	
<b>C</b>	<b>Manpower and Statutory compliance</b>			<b>20</b>					
1	Availability of manpower and Skill level of manpower deployed	% Manpower trained and certified	Inspection Report by Surveillance Team	10		100%	80%-100%	<80%	Apart from technical & skill training, safety training is a must. Vendor can substantiate this either by a valid certificate or a video
2	Labour law compliance and payment through ECS	As per the labour laws	HR Compliance cell	10		100%	>=95%	<95%	

BSES reserves the right to change/add to the list of existing KPI and change the basis for measurement, at any point of time during the execution of the contract. This will be communicated in writing to the contractor by the Head of the Department on mutually agreed terms.

**(E) Incentive / Deduction on the basis of Performance Measurement**

Incentive or deduction as specified below shall be made from the monthly payment of contractor on the basis of his performance on Key performance indicator. Payment of the AMC amount will be done as per the percentage of Marks received in the Score Card.

<b>Monthly Score out of 10</b>	<b>Incentive / Deduction</b>
more than or equal to 9.5	Incentive of 3% on billed amount excluding levies and taxes
More than or equal to 9 but less than 9.5	Incentive of 1.5% on billed amount excluding levies and taxes
More than or equal to 6 but less than 9	No incentive or deduction
More than or equal to 5 but less than 6	Deduction of 1.5% on billed amount excluding levies and taxes
Less than 5	Deduction of 3% on billed amount excluding levies and taxes

In case of recurrent low scores, the BRPL management shall have right to terminate the contract with the contractor.

## **SECTION V**

### **REQUIRED RESOURCES:**

**(a) For Grid/ TRL/ Protection AMC**

Deptt.	Manpower (in nos.)						Vehicle (In nos.)							
	Skilled	Semi-Skilled	Unskilled	Supervisors	Engineer	Total Manpower Count	EECO for 24 Hrs	EECO for 12 Hrs	Tempo for 24 Hrs	Tempo for 12 Hrs	TATA SUMO for 12 hrs	TATA SUMO for 8 hrs	EECO for 8 Hrs	Total Vehicles
Grid South	29	44	0	6	0	79	2	4	3	5	0	0	0	14
Grid West	22	34	0	4	0	60	0	0	0	7	0	0	0	7
TRL South	28	25	0	4	0	57	0	0	0	4	0	0	0	4
TRL West	32	26	7	4	0	69	0	2	0	2	1	0	0	5
Protection	10	4	0	1	2	17	0	0	0	0	0	1	1	2
<b>Total</b>	<b>121</b>	<b>133</b>	<b>7</b>	<b>19</b>	<b>2</b>	<b>282</b>	<b>2</b>	<b>6</b>	<b>3</b>	<b>18</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>32</b>

**(b) For Housekeeping work:**

Deptt.	Manpower(in nos.)			
	Supervisor (Skilled)	office boy (unskilled)	cleaner (unskilled)	Total Manpower Count
Grid South	2	1	20	23
Grid West	2		13	15
<b>Total</b>	<b>4</b>	<b>1</b>	<b>33</b>	<b>38</b>

## **SECTION VI**

### **LIST OF GRIDS AND DETAILS OF TRANSMISSION LINE**

#### a) **Details of Feeders for South Circle**

DETAILS OF 33KV FEEDERS									
SOUTH									
S.NO.	NAME OF FEEDER	FROM	TO	TYPE	SIZE OF CABLE / CONDUCTOR			LENGTH (K.M.)	
								O/H	U/G
<b>1</b>	<b>IP STATION TO KILOKARI (BAY NO. 25)</b>								
		IP Station	DP No.9	U/G	I	XLPE	3X400		1.000
				U/G	II	XLPE	3X400		1.000
		DP No.9	T.No.12	O/H		GOAT		1.800	
		T.No. 12	T.No. 13	U/G	I	XLPE	3X400		2.000
				U/G	II	XLPE	3X400		2.000
		T. No.13	T. No.18	O/H		GOAT		1.100	
		T. No.18	T. No.20	U/G	I	XLPE	3X400		0.460
				U/G	II	XLPE	3X400		0.460
		T. No.20	T.No. 21 (Kilokari Grid)	O/H		GOAT		0.250	
<b>2</b>	<b>IP STATION TO KILOKARI (BAY NO. 37)</b>								
		IP Station	DP No.10	U/G	I	XLPE	3X400		1.000
				U/G	II	XLPE	3X400		1.000
		DP No.10	T. No.12	O/H		GOAT		1.800	
		T. No.12	T. No.13	U/G	I	XLPE	3X400		2.000
				U/G	II	XLPE	3X400		2.000
		T. No.13	T. No.18	O/H		GOAT		1.100	
		T. No.18	T. No.20	U/G	I	XLPE	3X400		0.460
				U/G	II	XLPE	3X400		0.460
		T. No.20	T.No. 21 (Kilokari Grid)	O/H		GOAT		0.250	
<b>3</b>	<b>IP STATION TO KILOKARI (BAY NO. 1)</b>								
		IP Station	Tower No.72	U/G	I	XLPE	3X400		0.750
				U/G	II	XLPE	3X400		0.750
		Tower No.72	Tower No.78	O/H		WOLF		1.200	
		Tower No.78	Kilokari	U/G	I	XLPE	3X400		4.200
				U/G	II	XLPE	3X400		4.200
<b>4</b>	<b>IP STATION TO KILOKARI (BAY NO. 3)</b>								
		IP Station	Tower No.72	U/G	I	XLPE	3X400		0.750
				U/G	II	XLPE	3X400		0.750
		Tower No.72	Tower No.78	O/H		WOLF		1.200	
		Tower No.78	Kilokari	U/G	I	XLPE	3X400		4.200
				U/G	II	XLPE	3X400		4.200
<b>5</b>	<b>IP STATION TO EXHIBITION-II (BAY NO. 9)</b>								
				U/G	I	XLPE	3X400		2.944

				U/G	II	XLPE	3X400		2.944
6	IP STATION TO EXHIBITION-I (BAY NO. 7)			U/G	I	PILCA Cu. /XLPE	3X0-25 / 3X400		1.750
7	IP STATION TO NIZAMUDDIN (BAY NO.13)			U/G	I	XLPE	3X400		5.588
				U/G	II	XLPE	3X400		5.588
8	IP STATION TO J.N.STADIUM (BAY NO. 24)			U/G	I	XLPE	3X400		7.600
				U/G	II	XLPE	3X400		7.600
9	J.N.STADIUM TO DEFENCE COLONY CKT-2			U/G	I	XLPE	3X400		3.400
				U/G	II	XLPE	3X400		3.400
10	IP STATION TO LAJPAT NAGAR (BAY NO. 5)			U/G	I	XLPE	3X400		9.870
				U/G	II	XLPE	3X400		9.870
11	KILOKARI TO HUDCO								
		Kilokari	T.No.104	O/H		WOLF			1.800
		T.No.104 (Nehru Nagar)	New Tower near Lajpat nagar Flyover	U/G	I	XLPE	3x400		1.050
				U/G	II	XLPE	3x400		1.050
		New Tower near Lajpat nagar Flyover	T.No.114	O/H		WOLF			1.000
		T.No.114	T.No.116	O/H		WOLF			0.400
		T.No.116 (Mool Chand Hospital)	T.No.117 (Mool Chand Flyover)	U/G	I	XLPE	3x400		0.320
				U/G	II	XLPE	3x400		0.320
		T.No.117	T.No.119	O/H		WOLF			0.400
		T.No.119	HUDCO	U/G	I	XLPE	3X300		1.200
				U/G	II	XLPE	3X300		1.200
	T-off Lajpat Nagar	T.No.114	Lajpat Nagar	U/G	I	XLPE	3X300		0.500
					U/G	II	XLPE	3X400	
	T-off Defence Colony	T.No.117 (Mool Chand Flyover)	Defence Colony Grid	U/G	I	XLPE	3X400		1.257
					U/G	II	XLPE	3X400	
12	R K PURAM-I TO NDSE								
		RK Puram Grid	DP No.1	U/G	I	XLPE	3x400		0.200
				U/G	II	XLPE	3x400		0.200
		DP No.1	DP No.7	O/H		WOLF			0.350
		DP No.7	DP at Andrews Ganj	U/G	I	XLPE	3x400		4.200
				U/G	II	XLPE	3x400		4.200
		DP at Andrews Ganj	NDSE	U/G	I	XLPE	3X400		0.850
				U/G	II	XLPE	3X400		0.850
13	KILOKARI TO AIIMS								
		Kilokari	T.No.104	O/H		WOLF			1.800
		T.No.104 (Nehru Nagar)	New Tower near Lajpat nagar Flyover	U/G	I	XLPE	3x400		1.050
				U/G	II	XLPE	3x400		1.050
		New Tower near Lajpat nagar Flyover	T.No.116	O/H		WOLF			1.400
		T.No.116 (Mool Chand Hospital)	T.No.117 (Mool Chand Flyover)	U/G	I	XLPE	3x400		0.320
				U/G	II	XLPE	3x400		0.320
		T.No. 117	T.No. 119	O/H		WOLF			0.400
		T.No. 119	AIIMS Grid.	U/G	I	XLPE	3X400		1.430

				U/G	II	XLPE	3X400		1.430
	T-off NDSE	T.No. 119	NDSE Grid.	U/G	I	XLPE	3X400		0.850
				U/G	II	XLPE	3X400		0.850
14	KILOKARI TO SARAI JULLENA (U/G)			U/G	I	XLPE	3X400		2.950
				U/G	II	XLPE	3X400		2.950
15	KILOKARI TO SARAI JULLENA (O/H)			U/G	I	XLPE	3X400		2.800
				U/G	II	XLPE	3X400		2.800
16	KILOKARI TO JAMIA								
		Kilokari Grid	Jamia Grid	U/G		XLPE	3X400		2.995
				U/G		XLPE	3X400		2.995
17	KILOKARI TO NIZAMUDDIN			U/G	I	PILCA	3X300		2.520
18	EXHIBITION- I TO NIZAMUDDIN			U/G	I	PILCA Cu.	3x0.25 sq.In		3.200
19	EXHIBITION- I TO EXHIBITION- II			U/G	I	XLPE	3X400		0.950
20	LODHI ROAD (220KV) TO EXHIBITION-II			U/G	I	PILCA	3X400		5.400
				U/G	II	PILCA	3X400		5.400
21	LODHI ROAD (220KV) TO HUDCO			U/G	I	XLPE	3X300		4.210
				U/G	II	XLPE	3X300		4.210
22	LODHI ROAD (220KV) TO JNS			U/G	I	XLPE	3X400		1.350
				U/G	II	XLPE	3X400		1.350
23	JNS TO DEFENCE COLONY CKT-I			U/G	I	XLPE	3X400 / 3X300		1.750
				U/G	II	XLPE	3X400 / 3X300		1.750
24	LODHI ROAD (220KV) TO DEFENCE COLONY CKT-II			U/G	I	XLPE	3x400/ 3X300		3.100
				U/G	II	XLPE	3x400/ 3X300		3.100
25	LODHI ROAD (220KV) TO NDSE			U/G	I	XLPE	3X300		4.360
				U/G	II	XLPE	3X300		4.360
26	LODHI ROAD (220KV) TO NIZAMUDDIN			U/G	I	XLPE	3X400		1.600
				U/G	II	XLPE	3X400		1.600
27	LODHI ROAD (220KV) TO HABITATE CENTRE CKT-I			U/G	I	XLPE	3X300		1.800
28	LODHI ROAD (220KV) TO HABITATE CENTRE CKT-II			U/G	I	XLPE	3X300		1.800
29	LODHI ROAD (220KV) TO CBI BUILDING			U/G	I	XLPE	3X400	--	1.100
				U/G	II	XLPE	3X400	--	1.100
30	CBI BUILDING TO LAJPAT NAGAR			U/G	I	XLPE	3X400	--	2.800
				U/G	II	XLPE	3X400	--	2.800
31	LODHI ROAD (220KV) TO EAST OF KAILASH (Lajpat Nagar-II)			U/G	I	XLPE	3X400	---	6.900
				U/G	II	XLPE	3X400	---	6.900
32	OKHLA (220KV) TO NHP CKT-I								
		Okhla (220KV)	DP (Before METRO Crossing)	O/H		GOAT		2.760	
		DP (Before METRO Crossing)	DP (After METRO Crossing)	U/G	I	XLPE	3X400		0.650
				U/G	II	XLPE	3X400		0.650

		DP (After METRO Crossing)	DP (Kalkaji Mandir)	O/H		GOAT		0.360	
		DP (Kalkaji Mandir)	NHP Grid	U/G	I	XLPE	3X400		0.590
				U/G	II	XLPE	3X400		0.590
<b>33</b>	<b>OKHLA (220KV) TO NHP CKT-II</b>								
		Okhla (220KV)	DP No.40	O/H		GOAT		1.760	
		DP No.40 (Near Nathu Sweets)	DP No.41 (Near Kalkaji Depot)	U/G	I	XLPE	3X400		0.160
				U/G	II	XLPE	3X400		0.160
		DP No.41 (Near Kalkaji Depot)	DP (Before METRO Crossing)	O/H		GOAT		0.240	
		DP (Before METRO Crossing)	DP (After METRO Crossing)	U/G	I	XLPE	3X400		0.650
				U/G	II	XLPE	3X400		0.650
		DP (After METRO Crossing)	DP (Near Kalkaji Mandir)	O/H		GOAT		0.360	
		DP (Near Kalkaji Mandir)	NHP Grid	U/G	I	XLPE	3X400		0.630
				U/G	II	XLPE	3X400		0.630
<b>34</b>	<b>OKHLA (220KV) TO BALAJI CKT-I</b>			U/G	I	XLPE	3X300		3.100
				U/G	II	XLPE	3X300		3.100
<b>35</b>	<b>OKHLA (220KV) TO BALAJI CKT-II</b>			U/G	I	XLPE	3X300		3.100
				U/G	II	XLPE	3X300		3.100
<b>36</b>	<b>BALAJI TO EAST OF KAILASH</b>			U/G	I	XLPE	3X400		3.000
				U/G	II	XLPE	3X400		3.000
<b>37</b>	<b>OKHLA (220KV) TO NHP CKT-IV</b>			U/G	I	XLPE	3X300		3.950
				U/G	II	XLPE	3X300		3.950
<b>38</b>	<b>OKHLA (220KV) TO EAST OF KAILASH</b>			U/G	I	XLPE	3X300		4.980
				U/G	II	XLPE	3X300		4.980
<b>39</b>	<b>OKHLA (220KV) TO OKHLA PH-II CKT-I</b>								
		Okhla (220KV)	DP No.7	O/H		GOAT		0.300	
		DP No.7	Okhla Ph-II	U/G	I	XLPE	3X300		0.998
				U/G	II	XLPE	3X300		0.998
<b>40</b>	<b>OKHLA (220KV) TO OKHLA PH-II CKT-II</b>								
		Okhla (220KV)	DP No.7	O/H		GOAT		0.300	
		DP No.7	Okhla Ph-II Grid	U/G	I	XLPE	3X300 / 3X400		0.910
				U/G	II	XLPE	3X300 / 3X400		0.910
<b>41</b>	<b>OKHLA (220KV) TO TUGLAKABAD</b>			U/G	I	XLPE	3X400		3.200
				U/G	II	XLPE	3X400		3.200
<b>42</b>	<b>OKHLA (220KV) TO ALAKHNANDA CKT-I</b>			U/G	I	XLPE	3X400		2.800
				U/G	II	XLPE	3X400		2.800
<b>43</b>	<b>OKHLA (220KV) TO ALAKHNANDA CKT-II</b>			U/G	I	XLPE	3X300		2.800
				U/G	II	XLPE	3X300		2.800
<b>44</b>	<b>OKHLA (220KV) TO TUGLAKABAD CKT II</b>								
		Okhla (220KV)	DP near School	O/H		GOAT		0.900	
		DP near School,	Tuglakabad Grid	U/G	I	XLPE	3X400		2.800

		Tuglakabad Ext		U/G	II	XLPE	3X300		2.800
<b>45</b>	<b>JASOLA TO OKHLA PH-II</b>								
		Jasola	Okhla Ph-II Grid	U/G	I	XLPE	3X300		4.215
				U/G	II	XLPE	3X400		4.215
<b>46</b>	<b>SARAI JULLENA TO JAMIA</b>								
		Sarai Jullena	Jamia Engg College Compound	U/G	I	XLPE	3X400		0.530
				U/G	II	XLPE	3X400		0.530
		Jamia Engg College Compound	Jamia Grid	U/G	I	XLPE	3X400		0.200
				U/G	II	XLPE	3X400		0.200
<b>47</b>	<b>MALVIYA NAGAR TO TUGLAKABAD</b>			U/G	I	XLPE	3X400		4.4
				U/G	II	XLPE	3X400		4.4
<b>48</b>	<b>MALVIYA NAGAR TO DC SAKET (U/G)</b>			U/G	I	XLPE	3X400		2.300
				U/G	II	XLPE	3X400		2.300
<b>49</b>	<b>MALVIYA NAGAR TO M.MOTH 'T' OFF DC SAKET</b>								
		Malviya Nagar	DP (Outside Malviya Nagar Grid)	U/G	I	PILCA	3x400		0.750
				U/G	II	PILCA	3x400		0.750
				U/G	III	XLPE	3x300		0.750
		DP (MLY Grid)	DP near Taxi Stand	O/H		GOAT		0.750	
		DP near Taxi Stand	DP (near Shani Mandir Khirki Extn DC Saket Grid)	U/G	I	XLPE	3X400		0.630
				U/G	II	XLPE	3X400		0.630
		DP (near Shani Mandir Khirki Extn DC Saket Grid)	DP at Chirag Delhi Village Nallah	O/H		GOAT		1.600	
		DP at Chirag Delhi Village Nallah	Masjid Moth Grid.	U/G	I	XLPE	3X400		0.360
				U/G	II	XLPE	3X400		0.360
	T' OFF DC Saket Grid	DP (near Shani Mandir Khirki Extn Grid)	DC Saket Grid	U/G	I	XLPE	3X400		0.115
				U/G	II	PILCA	3X400		0.115
<b>50</b>	<b>SIRIFORT TO AIIMS</b>								
		Sirifort Grid.	DP (Near Sirifort Auditorium)	U/G	I	PILCA	3X400		0.590
				U/G	II	PILCA	3X400		0.590
		DP (Auditorium)	DP (near Gautam nagar Market)	O/H		GOAT		1.470	
		DP (near Gautam nagar Market)	DP (Near AIIMS Nursery)	U/G	I	XLPE	3X400		1.100
				U/G	II	XLPE	3X400		1.100
		DP (Near AIIMS Nursery)	DP (near AIIMS Grid)	O/H		GOAT		0.300	
		DP (near AIIMS Grid)	AIIMS Grid.	U/G	I	XLPE	3X300		0.600
				U/G	II	XLPE	3X300		0.600
<b>51</b>	<b>MALVIYA NAGAR TO SHIVALIK (U/G)</b>			U/G	I	XLPE	3X400		4.500
				U/G	II	XLPE	3X400		4.500
<b>52</b>	<b>MALVIYA NAGAR TO SHIVALIK (O/H)</b>								
		Malviya Nagar Grid	DP (near MLY Grid)	U/G	I	XLPE	3X300		0.270
				U/G	II	XLPE	3X300		0.270

				U/G	III	XLPE	3X300		0.270	
		DP (near MLY Grid)	DP (Eakta Appartment)	O/H		GOAT		2.280		
		DP (Eakta Appartment)	TP (near Metro Station)	U/G	I	XLPE	3X400		0.325	
				U/G	II	XLPE	3X400		0.325	
		TP (near Metro Station)	DP (near Police Station)	O/H		GOAT		0.440		
		DP (near Police Station)	DP (near Taxi Stand)	U/G	I	XLPE	3X400		0.300	
				U/G	II	XLPE	3X400		0.300	
		DP (near Taxi Stand)	DP (near Begampur Bus Stand)	O/H		GOAT		0.900		
		DP (near Begampur Bus Stand)	Shivalik Grid.	U/G	I	XLPE	3X400		0.700	
				U/G	II	XLPE	3X400		0.700	
<b>53</b>	<b>SHIVALIK TO SIRIFORT (U/G)</b>			U/G	I	XLPE	3X400		1.400	
				U/G	II	XLPE	3X400		1.400	
<b>54</b>	<b>SHIVALIK TO SIRIFORT (O/H)</b>			U/G	I	XLPE	3X400		1.400	
				U/G	II	XLPE	3X400		1.400	
<b>55</b>	<b>MALVIYA NAGAR TO ANDHERIA BAGH</b>									
		Malviya Nagar Grid	DP at Sainik Farm	U/G	I	XLPE	3X400		0.300	
				U/G	II	XLPE	3X400		0.300	
		DP at Sainik Farm	FP at behind devi Ghar Saidullajab	O/H		WOLF		3.000		
		FP at behind Devi Ghar Saidullajab	FP at Monga Farm House Saidullajab	U/G	I	XLPE	3X400		0.167	
				U/G	II	XLPE	3X400		0.167	
		FP at Monga Farm House Saidullajab	DP at A Blk Ambedkar Colony	O/H		WOLF		2.400		
		DP at A Blk Ambedkar Colony	DP at Chatarpur Metro Stn	U/G	I	XLPE	3X400		0.550	
				U/G	II	XLPE	3X400		0.550	
		DP at Chatarpur Metro Stn	DP at DDA Nursery	O/H		WOLF		0.120		
		DP at DDA Nursery	Andheria Bagh	U/G	I	XLPE	3X400		0.530	
				U/G	II	XLPE	3X400		0.530	
<b>56</b>	<b>MALVIYA NAGAR TO ADCHINI</b>			U/G	I	XLPE	3X400		3.800	
				U/G	II	XLPE	3X400		3.800	
<b>57</b>	<b>MALVIYA NAGAR TO PUSHP VIHAR</b>			U/G	I	XLPE	3X400		3.060	
				U/G	II	XLPE	3X400		3.060	
<b>58</b>	<b>220KV R K PURAM TO MASJID MOTH</b>			Master ID						
				U/G	I	XLPE	3X400		5.863	
				U/G	II	XLPE	3X400		5.863	
<b>59</b>	<b>MASJID MOTH TO VSNL-2</b>			U/G	I	XLPE	3X400		1.200	
				U/G	II	XLPE	3X400		1.200	
<b>60</b>	<b>VSNL-2 TO VSNL</b>			U/G	I	XLPE	3X400		0.087	
				U/G	II	XLPE	3X400		0.087	
<b>61</b>	<b>VSNL TO NEHRU PLACE</b>			U/G	I	XLPE	3X400		2.500	

				U/G	II	XLPE	3X400		2.500
<b>62</b>	<b>JNU TO RK PURAM-I 'T' off Ambience Mall</b>								
		JNU Grid.	DP at JNU Grid.	U/G	I	XLPE	3X300		0.200
				U/G	II	XLPE	3X400		0.200
		DP at JNU Grid.	DP Opp JNU Grid	O/H	I	GOAT		0.060	
		DP at JNU Grid.	DP near PS V.Vihar	O/H	I	WOLF		1.260	
				O/H	II	WOLF		1.260	
		DP near PS V.Vihar	R K Puram Grid.	U/G	I	PILCA/XLPE	3X300		2.500
				U/G	II	PILCA/XLPE	3X300		2.500
	"T' Point	DP Opp JNU Grid	Ambience Mall Grid.	U/G	I	XLPE	3X400		1.306
				U/G	II	XLPE	3X400		1.306
<b>63</b>	<b>JNU TO AMBIENCE MALL</b>								
		JNU Grid.	DP No.1	U/G	I	XLPE	3X300		0.120
				U/G	II	XLPE	3X300		0.120
		DP No.-1.	DP (After Nelson Mandela Road x-ing)	O/H		GOAT		0.200	
		DP (After Nelson Mandela Road x-ing)	Ambience Mall Grid	U/G	I	XLPE	3X400		1.081
				U/G	II	XLPE	3X400		1.081
<b>64</b>	<b>Vasant Kunj B-Block Grid to Andheria Bagh Ckt-2</b>								
		Vasant Kunj B block	FP opp Fortis Hospital	U/G	I	XLPE	66 KV 3X300		1.740
				U/G	II	XLPE	66 KV 3X300		1.740
		FP opp Fortis Hospital	A. Bagh grid	U/G	I	XLPE	66 KV 3X300		1.340
				U/G	II	XLPE	66 KV 3X300		1.340
<b>65</b>	<b>220 KV R K PURAM TO JNU</b>								
		220 KV R K Puram	DP PS Vasant Vihar	U/G	I	XLPE	3X400		1.200
				U/G	II	XLPE	3X400		1.200
		DP PS Vasant Vihar	DP near JJ Camp Vasant Vihar	O/H		GOAT		0.540	
		DP near JJ Camp Vasant Vihar	JNU Grid.	U/G	I	XLPE	3X400		1.060
				U/G	II	XLPE	3X400		1.060
<b>66</b>	<b>220 KV R K PURAM TO BHIKAJI CAMA PLACE</b>								
		220 KV R K Puram	DP RKP Sect-3 (Africa Avenu Road)	U/G	I	XLPE	3X400		1.500
				U/G	II	XLPE	3X400		1.500
		DP RKP Sect-3 (Africa Avenu Road)	DP Brahm Kumari Ashram, Mohammadpur	O/H		GOAT		1.860	
		DP Brahm Kumari Ashram, Mohammadpur	Bhikaji Grid.	U/G	I	XLPE	3X400		0.645
				U/G	II	XLPE	3X400		0.645
<b>67</b>	<b>JNU TO IIT</b>								

		JNU Grid.	DP at Gangnath Marg	U/G	I	XLPE	3X400		1.020
				U/G	II	XLPE	3X400		1.020
		DP at Gangnath Marg	DP near Central School	O/H		GOAT		1.600	
		DP near Central School.	DP on Jeet Singh Marg.	U/G	I	XLPE	3X400		0.500
				U/G	II	XLPE	3X400		0.500
		DP on Jeet Singh Marg Red Light.	DP on Jeet Singh Marg.	O/H		GOAT		0.200	
		DP on Jeet Singh Marg.	IIT Grid.	U/G	I	XLPE	3X400		0.800
				U/G	II	XLPE	3X400		0.800
<b>68</b>	<b>ADCHINI TO IIT</b>								
		Adchini Grid S/Stn.	DP near Adchini Grid	U/G	I	XLPE	3X400		0.150
				U/G	II	XLPE	3X400		0.150
		DP near Adchini Grid	DP on Jeet Singh Marg.	O/H		GOAT		2.500	
		DP on Jeet Singh Marg.	IIT Grid	U/G	I	XLPE	3X400		0.800
				U/G	II	XLPE	3X400		0.800
<b>69</b>	<b>RIDGE VALLEY TO VASANT VIHAR</b>								
		Ridge Valley Grid.	Vasant Vihar Grid.	U/G	I	XLPE	3X300		5.465
				U/G	II	XLPE	3X400		6.965
<b>70</b>	<b>RIDGE VALLEY TO AIIMS T-OFF KIDWAI NAGAR</b>								
		Ridge Valley Grid.	4 Pole Structure (Opp.Safderjung)	U/G	I	XLPE	3X400		5.200
				U/G	II	XLPE	3X400		5.200
		4 Pole Structure (Opp.Safderjung)	AIIMS Grid.	U/G	I	XLPE	3X400		1.900
				U/G	II	XLPE	3X400		1.900
	T-Off Kidwai Nagar	4 Pole Structure	Kidwai Nagar Grid	U/G	I	XLPE	3X400		0.880
<b>71</b>	<b>RIDGE VALLEY TO RK PURAM-I</b>								
		Ridge Valley Grid.	PWD office	U/G	I	XLPE	3X400		3.600
				U/G	II	XLPE	3X400		3.600
		PWD office	R K Puram Grid.	U/G	I	PILCA	3X400		0.550
				U/G	II	XLPE	3X400		0.550
<b>72</b>	<b>RIDGE VALLEY TO RK PURAM-II CKT-I</b>								
				U/G	I	XLPE	3X400		4.000
				U/G	II	XLPE	3X400		4.000
<b>73</b>	<b>RIDGE VALLEY TO RK PURAM-II CKT-II</b>								
				U/G	I	XLPE	3X400		4.000
				U/G	II	XLPE	3X400		4.000
<b>74</b>	<b>RK PURAM-I TO RK PURAM-II</b>								
				U/G	I	XLPE	3X400		0.160
				U/G	II	XLPE	3X400		0.160
<b>75</b>	<b>RK PURAM-II TO BHIKAJI CAMA PLACE</b>								
				U/G	I	XLPE	3X400		0.958
				U/G	II	XLPE	3X400		0.958
<b>76</b>	<b>RIDGE VALLEY TO KHYBER LINE CKT-I</b>								
				U/G	I	XLPE	3X400		3.482
				U/G	II	XLPE	3X400		3.482

77	RIDGE VALLEY TO KHYBER LINE CKT-II	U/G	I	XLPE	3X400		3.482
		U/G	II	XLPE	3X400		3.482
78	PALAM (66KV) TO PALAM (33KV)	U/G	I	XLPE	3X400		4.300
79	JASOLA TO SARAI JULLENA	U/G	I	XLPE	3X400		5.300
		U/G	II	XLPE	3X400		5.300
80	JASOLA TO JAMIA	U/G	I	XLPE	3X400		6.600
		U/G	II	XLPE	3X400		6.600
81	MALVIYA NAGAR TO SELECT CITY MALL	U/G	I	XLPE	3X400		1.600
82	MASJID MOTH 220 KV TO PUSHP VIHAR	U/G	I	XLPE	3X400		2.480
		U/G	II	XLPE	3X400		2.480
83	MASJID MOTH (220 KV) TO VSNL	U/G	I	XLPE	3X400		0.400
		U/G	II	XLPE	3X400		0.400
84	MASJID MOTH (220 KV) TO D.C.SAKET (Court Complex-II)	U/G	I	XLPE	3X400		2.890
		U/G	II	XLPE	3X400		2.890
85	MASJID MOTH (220 KV) TO MASJID MOTH (33 KV)	U/G	I	XLPE	3X400		0.924
		U/G	II	XLPE	3X400		0.924
86	MASJID MOTH (220 KV) TO SHIVALIK	U/G	I	XLPE	3X400		3.480
		U/G	II	XLPE	3X400		3.480
87	MASJID MOTH (220 KV) TO ALAKHNANDA	U/G	I	XLPE	3X400		2.990
		U/G	II	XLPE	3X400		2.990
88	MASJID MOTH (220 KV) TO SIRI FORT	U/G	I	XLPE	3X400		3.850
		U/G	II	XLPE	3X400		3.850
89	MASJID MOTH (220 KV) TO NEHRU PLACE	U/G	I	XLPE	3X400		2.700
		U/G	II	XLPE	3X400		2.700
90	MASJID MOTH (220 KV) TO BALAJI	U/G	I	XLPE	3X400		3.813
		U/G	II	XLPE	3X400		3.813
91	HUDCO TO SIRI FORT	U/G	I	XLPE	3X400		3.200
		U/G	II	XLPE	3X400		3.200
92	JASOLA TO JINDAL POWER	U/G	I	XLPE	3X400		2.008
		U/G	II	XLPE	3X400		2.008
93	B-Block Vasant Kunj Grid to ILBS hospital Grid Ckt-1	U/G	I	XLPE	3X400		3.560
		U/G	II	XLPE	3X400		3.560
94	B-Block Vasant Kunj Grid to ILBS hospital Grid Ckt-2	U/G	I	XLPE	3X400		3.560
		U/G	II	XLPE	3X400		3.560
95	JNU TO VASANT VIHAR (U/G)	U/G	I	XLPE	3X400		4.317
		U/G	II	XLPE	3X400		4.317
96	TRAUMA CENTRE (220 KV) TO BHIKAJI	U/G	I	XLPE	3X400		2.554
		U/G	II	XLPE	3X400		2.554
97	TRAUMA CENTRE (220 KV) TO IIT	U/G	I	XLPE	3X400		6.247
		U/G	II	XLPE	3X400		6.247
98	MASJID MOTH (220 KV) TO VSNL-II (Court Complex-I)	U/G	I	XLPE	3X400		0.200
		U/G	II	XLPE	3X400		0.200
99	VSNL-II to TCIL Ckt-1	U/G	I	XLPE	3X400		0.469
		U/G	II	XLPE	3X400		0.469
100	VSNL-II to TCIL Ckt-2	U/G	I	XLPE	3X400		0.469
		U/G	II	XLPE	3X400		0.469
101	BALAJI TO NSIC	U/G	I	XLPE	3x300 /		1.770



		Metro Station Store near Ambedkar nagar Colony	IGNOU Grid	O/H		GOAT		3.900	
3	<b>IGNOU Grid to Malviya Nagar</b>			O/H		GOAT		3.600	
4	<b>Okhla (220 KV) to Malviya Nagar Ckt-I</b>			O/H		GOAT		6.300	
5	<b>Okhla (220 KV) to Malviya Nagar Ckt-II</b>			O/H		GOAT		6.300	
6	<b>Okhla (220 KV) to Batra</b>			U/G	I	XLPE	3x300		4.247
				U/G	II	XLPE	3x300		4.247
7	<b>220 KV Tughlakabad to 66kV Malviya Nagar T-Off Batra Grid (Bay No-609)</b>								
		220 KV Tughlakabad	Batra Grid	U/G	I	XLPE	3X300		2.926
				U/G	II	XLPE	3X300		2.926
		Batra Grid	Malviya Nagar Grid	U/G	I	XLPE	3X300		3.600
U/G				II	XLPE	3X300		3.600	
8	<b>Mehrauli 220 KV) to Vasant Kunj D Blk Ckt-I</b>			O/H		GOAT		3.200	
9	<b>Mehrauli 220 KV) to Vasant Kunj D Blk Ckt-II</b>			O/H		GOAT		3.200	
10	<b>Mehrauli (220 KV) to Vasant Kunj C-Blk, Ckt-I</b>			O/H		GOAT		2.650	
11	<b>Mehrauli (220 KV) to Vasant Kunj C-Blk, Ckt-II</b>			O/H		GOAT		2.650	
12	<b>Vasant Kunj C-Blk to JNU Ckt-I</b>			U/G	I	XLPE	1 x 630		2.200
				U/G	II	XLPE	1 x 630		2.200
13	<b>Vasant Kunj C-Blk to JNU Ckt-II</b>			U/G	I	XLPE	1 x 1000		1.700
14	<b>Vasant Kunj (220 KV) to Vasant Kunj Institutional Area Ckt-I</b>			U/G	I	XLPE	1 x 630		2.019
				U/G	II	XLPE	1 x 630		2.019
15	<b>Vasant Kunj Institutional Area to R/Valley Ckt-II</b>								
		Vasant Kunj Institutional Area Grid	Gas Godown near J P hotel	U/G	I	XLPE	1 x 630		4.919
				U/G	II	XLPE	1 x 630		4.919
		Gas Godown near J P hotel	RR Hospital Gate	U/G	I	XLPE	1 x 1000		3.652
	RR Hospital Gate	Ridge Valley	O/H		GOAT			3.000	
16	<b>Vasant Kunj (220 KV) to Vasant Kunj Institutional Area Ckt-II</b>			U/G	I	XLPE	1 x 1000		1.972
17	<b>Vasant Kunj Institutional Area to R/Valley Ckt-I</b>								
		Vasant Kunj Institutional Area Grid	Gas Godown near J P hotel	U/G	I	XLPE	1 x 1000		4.432
		Gas Godown near J P hotel	RR Hospital Gate	U/G	I	XLPE	1 x 1000		3.652
		RR Hospital Gate	Ridge Valley	O/H		GOAT			3.000
18	<b>Vasant Kunj (220 KV) to V.Kunj C-Blk Ckt-I</b>			O/H		GOAT		1.800	
19	<b>Vasant Kunj (220 KV) to V.Kunj C-Blk Ckt-II</b>			O/H		GOAT		1.800	
20	<b>Vasant Kunj C-Blk to V.Kunj B-Blk Ckt-I</b>			O/H		GOAT		1.800	

21	<b>Vasant Kunj C-Blk to V.Kunj B-Blk Ckt-II</b>			O/H		GOAT		1.800	
22	<b>Vasant Kunj (220 KV) to V.Kunj D-Blk Ckt-I</b>								
		V.Kunj (220 KV)	Tower No.2	O/H		GOAT		2.200	
		Tower No.2	V.Kunj D Blk	U/G		XLPE	1 x 630		0.200
23	<b>Vasant Kunj (220 KV) to V.Kunj D Blk Ckt-II.</b>								
		V.Kunj (220 KV)	Tower No.2	O/H		GOAT		2.200	
		Tower No.2	V.Kunj D Blk	U/G		XLPE	1 x 630		0.200
24	<b>Vasant Kunj (220 KV) to Palam (66KV) IAAI</b>			U/G		XLPE	1 x 630		3.400
25	<b>Mehrauli (220 KV) to Bijwasan.</b>								
		Mehrauli 220 KV	DP at Western Green	O/H		GOAT		5.800	
		DP at Western Green	DP at Vrindavan farm NH-8	U/G		XLPE	1 x 1000		3.298
		DP at Vrindavan farm NH-8	Bijwasan Grid	O/H		GOAT		4.800	
26	<b>Mehrauli (220 KV) to Palam (66 KV) Grid</b>								
		Mehrauli (220 KV)	DP at Western Green	O/H		GOAT		6.600	
		DP at Western Green	DP at Eros farm House	U/G		XLPE	1 x 1000		0.370
		DP at Eros farm House	Tower at Celebration Garden	O/H		GOAT		0.500	
		Tower at Celebration Garden	Tower after crossing NH-8	U/G		XLPE	1 x 1000		1.330
		Tower after crossing NH-8	Palam	O/H		GOAT		0.800	
27	<b>Palam (66 KV) to Bijwasan.</b>								
		Palam (66 KV)	Tower near crossing NH-8	O/H		GOAT		0.800	
		Tower near crossing NH-8	Tower at Celebration Garden	U/G		XLPE	1 x 1000		1.330
		Tower at Celebration Garden	DP at Eros farm House	O/H		GOAT		0.500	
		DP at Eros farm House	DP at Vrindavan farm NH-8	U/G		XLPE	1 x 1000		3.094
		DP at Vrindavan farm NH-8	Bijwasan	O/H		GOAT		4.800	
28	<b>Park Street (220 KV) to Ridge Valley Ckt-I.</b>			U/G		XLPE	1 x 630		5.300
29	<b>Park Street (220 KV) to Ridge Valley Ckt-II.</b>			U/G		XLPE	1 x 500		5.300
30	<b>Okhla (220 KV) to Okhla Ph-I Ckt-I.</b>			O/H		GOAT		2.500	
31	<b>Okhla (220 KV) to Okhla Ph-I Ckt-II.</b>			O/H		GOAT		2.500	

32	<b>Sarita Vihar (220 KV) to Sarita Vihar 66 KV (Mathura Road Ckt-2)</b>			O/H		GOAT		2.500	
33	<b>Sarita Vihar (220 KV) to Jasola L4 (Mathura Road Ckt-1)</b>								
		Sarita Vihar (220 KV)	Tower No 16	O/H		GOAT		3.000	
		Tower No 16	Jasola Grid	U/G	I	XLPE	1 x 630		0.781
				U/G	II	XLPE	1 x 630		0.781
34	<b>Sarita Vihar (66 KV) to Jasola (L3)</b>								
		Sarita Vihar (66KV)	Tower No.17	O/H		GOAT		0.650	
		Tower No.17	Jasola Grid	U/G	I	XLPE	1 x 630		0.700
				U/G	II	XLPE	1 x 630		0.700
35	<b>Jasola to Mathura Road Ckt-I (L1)</b>								
		Jasola Grid	Tower No 16	U/G	I	XLPE	1 x 630		0.781
				U/G	II	XLPE	1 x 630		0.781
		Tower No 16	Mathura Road	O/H		GOAT		2.200	
36	<b>Jasola to Matrura Road Ckt-II (L2)</b>								
		Jasola Grid	Tower No 17	U/G	I	XLPE	1 x 630		0.700
				U/G	II	XLPE	1 x 630		0.700
		Tower No 17	Mathura Road	O/H		GOAT		2.050	
37	<b>Mathura Rd (66 KV) to MCIE Grid Ckt-I</b>			U/G		XLPE	1 x 1000		4.800
38	<b>Mathura Rd (66 KV) to MCIE Grid Ckt-II</b>			U/G		XLPE	1 x 1000		4.800
39	<b>220 kV Tuglakabad Grid to Okhla Ph-1 (Bay No-606)</b>								
		220 KV Tuglakabad S/Stn to LILO Point on MB Road		U/G		XLPE	1 x 1000		2.580
		LILO Point to Okhla Phase-I Grid		U/G		XLPE	1 x 630		1.700
40	<b>220 kV Tuglakabad Grid to MCIE (Bay No-604)</b>								
		220 KV Tuglakabad S/Stn to LILO Point on MB Road		U/G		XLPE	1 x 1000		2.580
		LILO Point to MCIE Grid		U/G		XLPE	1 x 630		2.900
41	<b>Okhla Ph.1 to MCIE Grid Ckt-II</b>			U/G		XLPE	1 x 630		4.600
42	<b>Mehrauli (220 KV) to C-DOT Ckt-I</b>			U/G		XLPE	1X1000 / 1 x 630		2.900
43	<b>Mehrauli (220 KV) to C-DOT Ckt-II</b>			U/G		XLPE	1X1000 / 1 x 630		2.900
44	<b>220 KV DIAL to 66 KV Aerocity (Bay-112)</b>			U/G		XLPE	1 x 1000		2.490
45	<b>220 KV DIAL to 66 KV Aerocity (Bay-113)</b>			U/G		XLPE	1 x 1000		2.490
46	<b>220KV Sarita Vihar Grid Stn to Mithapur</b>								
		Sarita Vihar 220 KV Grid	Before Nalla x-ing	U/G	I	XLPE	3 x 300		0.548
				U/G	II	XLPE	3 x 300		0.548
		Before Nalla x-ing	After Nalla	O/H		GOAT		0.090	

		After Nalla	Mithapur Grid	U/G	I	XLPE	3 x 300		4.545
				U/G	II	XLPE	3 x 300		4.545
47	<b>220KV Sarita Vihar Grid Stn to Jasola U/G (L-5)</b>			U/G	I	XLPE	3X300		3.100
				U/G	II	XLPE	3X300		3.100
48	<b>Jasola Grid Stn to Mithapur</b>								
		Jasola Grid	Before Nalla x-ing	U/G	I	XLPE	3 x 300		3.650
				U/G	II	XLPE	3 x 300		3.650
		Before Nalla x-ing	After Nalla	O/H		GOAT		0.090	
		After Nalla	Mithapur Grid	U/G	I	XLPE	3 x 300		4.560
				U/G	II	XLPE	3 x 300		4.560
49	<b>220 KV Mehrauli to 66 KV Fatehpur Beri Grid Ckt-1 (Bay No.-22)</b>			U/G	I	XLPE	3x300		8.440
				U/G	II	XLPE	3x300		8.440
50	<b>220 KV Mehrauli to 66 KV South Asian University (SAU) Grid (Bay No.-06)</b>								
51	<b>66 KV South Asian University (SAU) Grid to 66 KV Fatehpur Beri Grid</b>			U/G	I	XLPE	3x300		8.440
				U/G	II	XLPE	3x300		8.440
52	<b>220 KV Tughlakabad to 66KV Batra Grid (Bay No-607)</b>			U/G	I	XLPE	3x300		2.926
				U/G	II	XLPE	3x300		2.926
53	<b>220KV R K Puram to Vasant kunj B Block CKT I</b>			U/G	I	XLPE	1000		4.999
53	<b>220KV R K Puram to Vasant kunj B Block CKT II</b>			U/G	I	XLPE	1000		4.998
<b>TOTAL NOS. OF 66KV FEEDERS</b>				<b>53 NOS.</b>					
<b>TOTAL LENGTH OF O/H LINES</b>				<b>94.680 K.M.</b>					
<b>TOTAL LENGTH OF U/G CABLES</b>				<b>196.434 K.M.</b>					
<b>TOTAL =</b>				<b>291.114 K.M.</b>					

<b>(B)DETAIL OF 66/33 KV O/H LINES &amp; U/G CABLES IN TRL WEST</b>										
S.No.	Feeder		66/33 kv	Main feed/ interconnector	OH or UG/MIX ED	TOTAL ROUTE LENGTH (KM)	Length(KM)		Cable / Cond size	
	From	To					OH portion	UG portion	Cable portion	Conductor
1	Nangloi	Paschim Puri ckt.I	33KV	INTERCONNECTOR	Mixed	3.8	3.600	0.200	2X3X 400mm sq. XLPE	Goat
2	Nangloi	Paschim Puri ckt.II	33KV	INTERCONNECTOR	Mixed	4.7	1.200	3.500	2X3X 400mm sq. XLPE	Goat
3	Rohtak Rd.	Madipur	33KV	M.FEED	U/G	4.5	-	4.500	2X3X 400mm sq. XLPE	CBL.
4	Peeragarhi	Madipur	33KV	M.FEED	U/G	4.6	-	4.600	2X3X 400mm sq. XLPE	CBL.

5	Paschim Vihar	Paschim Puri	33KV	INTERCONNECTOR	Mixed	2.85	1.200	1.650	2X3X 400mm sq. XLPE	Goat
6	Peeragarhi	Paschim Puri-1	33KV	M.FEED	U/G	1.5	-	1.500	2X3X 400mm sq. XLPE	CBL.
7	Peeragarhi	Paschim Puri-2	33KV	M.FEED	Mixed	1.508	0.508	1.000	2X3X 400mm sq. XLPE	Goat
8	Peeragarhi	Vishal	33KV	M.FEED	Mixed	4.3	3.100	1.200	2X3X 400mm sq. XLPE	Goat
9	Paschim Vihar	GGSH, ckt.I	33KV	INTERCONNECTOR	O/H	5.821	5.000	0.821	3X1X1000mm sq.XLPE	Goat
10	Paschim Vihar	GGSH, ckt.II	33KV	INTERCONNECTOR	O/H	5.821	5.000	0.821	NIL	Goat
11	Peeragarhi	Mukherjee Park ckt.1	33KV	M.FEED	Mixed	6.164	2.000	4.164	2X3X 400mm sq. XLPE	Goat
12	Peeragarhi	Mukherjee Park ckt.2	33KV	M.FEED	Mixed	6.164	2.000	4.164	2X3X 400mm sq. XLPE	Goat
13	Paschim Vihar	Mukherjee Park ckt.III, (Upto Chukhandi)	33KV	INTERCONNECTOR	Mixed	3.4	1.800	1.600	2X3X 400mm sq. XLPE	Goat
14	Paschim Vihar	Mukherjee Park ckt.III, (Chukhandi to Mukherjee Park)	33KV	INTERCONNECTOR	Mixed	2.7	2.700	0.000	NIL	Wolf
15	Rohtak Rd.	DLF Mall	33KV	M.FEED	U/G	2.7	-	2.700	2X3X 400mm sq. XLPE	CBL.
16	DLF Mall	SB mill	33KV	INTERCONNECTOR	U/G	0.3	-	0.300	2X3X 400mm sq. XLPE	CBL.
17	Rohtak Rd.	SB Mill	33KV	M.FEED	U/G	3	-	3.000	2X3X 400mm sq. XLPE	CBL.
18	Nangloi	Udyog Nagar ckt.1	33KV	INTERCONNECTOR	U/G	1.3	-	1.300	2X3X 400mm sq. XLPE	CBL.
19	Nangloi	Udyog Nagar ckt.II	33KV	INTERCONNECTOR	U/G	1.3	-	1.300	2X3X 400mm sq. XLPE	CBL.
20	Peeragarhi	Udyog Nagar	33KV	M.FEED	U/G	1.5	-	1.500	2X3X 400mm sq. XLPE	CBL.
21	Peeragarhi	A-4 Paschim Vihar	33KV	M.FEED	U/G	2.2	-	2.200	2X3X 400mm sq. XLPE	CBL.
22	Udyog Nagar	A-4 P.Vihar	33KV	INTERCONNECTOR	U/G	2.7	-	2.700	2X3X 400mm sq. XLPE	CBL.

23	Paschim Vihar	Chowkhandi(U/G)	33KV	INTERCONNECTOR	U/G	2.5		2.500	2X3X 400mm sq. XLPE	CBL.
24	Chowkhandi	Pacific Mall(U/G)	33KV	INTERCONNECTOR	U/G	3.3	-	3.300	2X3X 400mm sq. XLPE	CBL.
25	Pacific Mall-	Mukherjee Park	33KV	INTERCONNECTOR	U/G	0.2	-	0.200	2X3X 400mm sq. XLPE	CBL.
26	Rohtak Rd.	Vishal ckt.I	33KV	M.FEED	Mixed	5	1.200	3.800	2X3X 400mm sq. XLPE	Panther
27	Sudarshan Park	Vishal ckt.II	33KV	INTERCONNECTOR	Mixed	3.5	0.700	2.800	2X3X 400mm sq. XLPE	Panther
28	Mundka	Nangloi	66KV	M.FEED	U/G	10.5	-	10.500	1X3X1000mm sq. XLPE	CBL.
29	Mundka	Tikri Grid ckt-I	66KV	M.FEED	U/G	0.682	-	0.682	2X3X1000mm sq. XLPE	CBL.
30	Mundka	Tikri Grid ckt-II	66KV	M.FEED	U/G	0.682	-	0.682	2X3X1000mm sq. XLPE	CBL.
31	A4-Paschim Vihar	DLF Captal Green	33KV	INTERCONNECTOR	U/G	5.910	-	5.910	2X3X 400mm sq. XLPE	CBL.
32	A4-Paschim Vihar	DLF	33KV	INTERCONNECTOR	U/G	6.510	-	6.510	2X3X 400mm sq. XLPE	CBL.
33	DLF Captal Green	DLF Mall	33KV	INTERCONNECTOR	U/G	0.600	-	0.600	2X3X 400mm sq. XLPE	CBL.
34	Mangol Puri	Nangloi (NDPL ckt)	66KV	M.FEED	Mixed	1.000	0.800	0.200	1X3X1000mm sq. XLPE	
35	Mangol Puri	Nangloi (T-Off Mundka)NDPL ckt	66KV	M.FEED	Mixed	11.000	0.800	10.200	1X3X1000mm sq. XLPE	
36	Najafgarh	Jaffarpur Ckt-1	66KV	M.FEED	O/H	12.5	12.500	0.000	NA	Goat
37	Najafgarh	Jaffarpur Ckt-2	66KV	M.FEED	O/H	12.5	12.500	0.000	NA	Goat
38	Najafgarh	Bodella2 Ckt-1	66KV	M.FEED	Mixed	10.8	10.240	0.560	1X4X 1000mm sq. XLPE	Goat
39	Najafgarh	Bodella2 Ckt-2	66KV	M.FEED	Mixed	10.8	10.240	0.560	1X4X 1000mm sq. XLPE	Goat
40	Najafgarh	Nangloi Water Works	66KV	M.FEED	Mixed	12	11.440	0.560	1X4X 1000mm sq. XLPE	Goat

41	Najafgarh	Nangloi	66KV	M.FEED	Mixed	14	13.440	0.560	1X4X 1000mm sq. XLPE	Goat
42	Nangloi	Nilothi	66KV	INTERCONNECTOR	Mixed	5.2	4.000	1.200	1X3X 1000mm sq. XLPE	Goat
43	Nangloi Water Works	Nilothi	66KV	INTERCONNECTOR	Mixed	3.2	2.000	1.200	1X3X 1000mm sq. XLPE	Goat
44	Nangloi	Nangloi Water Works	66KV	INTERCONNECTOR	U/G	4.5	0.0.	4.500	3X1X1000mm sq.XLPE	CBL.
45	PPK2	Hastal Ckt-1	66KV	M.FEED	U/G	7.4	0.000	7.400	2X3X630mm sq.XLPE	CBL.
46	PPK2	Hastal Ckt-2	66KV	M.FEED	U/G	7.5	0.000	7.500	2X3X630mm sq.XLPE	CBL.
47	PPK2	G5 Matiyala Ckt-1	66KV	M.FEED	U/G	4.9	0.000	4.900	1X3X 1000mm sq. XLPE	CBL.
48	PPK2	G5 Matiyala Ckt-2	66KV	M.FEED	U/G	5.1	0.000	5.100	1X3X 1000mm sq. XLPE	CBL.
49	PPK2	G15 Ckt-1	66KV	M.FEED	U/G	3.5	0.000	3.500	1X3X630mm sq.XLPE	CBL.
50	PPK2	G15 Ckt-2	66KV	M.FEED	U/G	3.5	0.000	3.500	1X3X630mm sq.XLPE	CBL.
51	PPK2	G-1 PPK	66KV	M.FEED	U/G	2.31	0.000	2.310	2X3X 300mm sq. XLPE	CBL.
52	G-1 PPK	G-4 PPK	66KV	INTERCONNECTOR	U/G	4.4	0.000	4.400	2X3X 300mm sq. XLPE	CBL.
53	PPK2	G4 PPK	66KV	M.FEED	U/G	3.48	0.000	3.480	2X3X 300mm sq. XLPE	CBL.
54	PPK3	G4 Ckt-1	66KV	M.FEED	U/G	1.173	0.000	1.173	2X3X 300mm sq. XLPE	CBL.
55	PPK3	G4 Ckt-2	66KV	M.FEED	U/G	1.173	0.000	1.173	2X3X 300mm sq. XLPE	CBL.
56	HASTAL	GGSH Ckt-1	66KV	INTERCONNECTOR	U/G	8.9	0.000	8.900	1X3X 1000mm sq. XLPE	CBL.
57	HASTAL	GGSH Ckt-2	66KV	INTERCONNECTOR	U/G	8.8	0.000	8.800	1X3X 1000mm sq. XLPE	CBL.
58	Bodella2	PaschimVihar Ckt-1	66KV	INTERCONNECTOR	O/H	3	3.000	0.000		Goat
59	Bodella2	PaschimVihar Ckt-2	66KV	INTERCONNECTOR	O/H	3	3.000	0.000		Goat
60	Bodella1	PaschimVihar Ckt-1	66KV	INTERCONNECTOR	Mixed	4.1	1.900	2.200	1X4X 1000mm sq. XLPE	Goat

61	Bodella1	PaschimVihar Ckt-2	66KV	INTERCONNECTOR	Mixed	4.1	1.900	2.200	1X4X 1000mm sq. XLPE	Goat
62	Mundka	Nangloi Water Works	66KV	M.FEED	U/G	8.5	0.000	8.500	1X3X 1000mm sq. XLPE	CBL.
63	Pankha Rd.	Distt.Centre JKP Ckt.I	33KV	M.FEED	U/G	3.2		3.2	2X3CX300mm sq.XLPE	CBL.
64	Pankha Rd.	Distt.Centre JKP Ckt.II	33KV	M.FEED	U/G	3.2		3.2	2X3CX300mm sq.XLPE	CBL.
65	33KV Rewari Line	Mayapuri	33KV	M.FEED	Mixed	4.3	3.5	0.8	2x3Cx400 sq.mm. XLPE	ACSR Goat
66	33KV Rewari Line-	Vishal Ckt.I	33KV	M.FEED	U/G	3	0	3	2X3CX300mm sq.XLPE	CBL.
67	33KV Rewari Line-	Vishal Ckt.II	33KV	M.FEED	U/G	3	0	3	2X3CX300mm sq.XLPE	CBL.
68	Pankha Rd.-	Mayapuri	33KV	INTERCONNECTOR	Mixed	5.2	4	1.2	2x3Cx400 sq.mm. XLPE	ACSR Goat
69	Tee-Off Metal Forging( Maya puri)	Rewari Line	33KV	INTERCONNECTOR	U/G	0.3		0.3	2x3Cx400 sq.mm. XLPE	-
70	NARAINA ---	MAYAPURI,CK T.-I	33KV	M.FEED	U/G	7		7	2x3Cx400 sq.mm. XLPE	CBL.
71	NARAINA ---	MAYAPURI,CK T.-II	33KV	M.FEED	U/G	7		7	2x3Cx400 sq.mm. XLPE	CBL.
72	220KV PPK -1	Bodella-1 {T-OFF PRD} old ckt.	66KV	M.FEED	Mixed	6.6	2.3	4.3	3x1Cx630 sq.mm. XLPE	ACSR Goat
73	220KV PPK1 -	HARI NAGAR CKT.(Via C1 PRD gantry)	66KV	M.FEED	U/G	7.1	-	4.3 + 2.8	3x1Cx630 sq.mm. XLPE + 2x3Cx300 sq.mm.	CBL.
74	HARI NAGAR	BODELLA 1 CKT.(Via C1 PRD gantry)	66KV	INTERCONNECTOR	Mixed	8.1	2.3	4.3 + 1.5	3x1Cx630 sq.mm. XLPE + 2x3Cx300 sq.mm.	ACSR Goat
75	G-5 -PPK (Matiala) -	Pankha Rd.Ckt.I	66KV	INTERCONNECTOR	O/H	3.1	3.1		-	ACSR Goat
76	G-5 PPK (Matiala) -	Pankha Rd.Ckt.II	66KV	INTERCONNECTOR	O/H	3.1	3.1		-	ACSR Goat
77	Najafgarh (220 KV) -	DJB, NJF, Ckt-1	66KV	M.FEED	Mixed	1.15	0.28	0.87	3x1x 1000 sq.mm. XLPE	ACSR Goat

78	Najafgarh (220 KV) -	DJB, NJF, Ckt-2	66KV	M.FEED	Mixed	1.15	0.28	0.87	3x1x 1000 sq.mm. XLPE	ACSR Goat
79	DJB, NJF	G-5 Matiala Ckt I	66KV	INTERCONNECTOR	Mixed	11.32	9.15	2.17	3x1Cx630 sq.mm. XLPE	ACSR Goat
80	DJB, NJF	G-5 Matiala Ckt II	66KV	INTERCONNECTOR	Mixed	11.32	9.15	2.17	3x1Cx630 sq.mm. XLPE	ACSR Goat
81	Pankha Road-	Sagarpur	66KV	INTERCONNECTOR	Mixed	2.9	2.6	0.3	3x1Cx630 sq.mm. XLPE	ACSR Goat
82	Sagarpur-	Rewari Line	66KV	INTERCONNECTOR	Mixed	6.56	6.5	0.06	3x1Cx630 sq.mm. XLPE	ACSR Goat
83	220KV PPK I	G-3, Bindapur Ckt.1	66KV	M.FEED	U/G	1.4		1.4	3x1Cx630 sq.mm. XLPE	-
84	220 PPK I -	G-3, Bindapur Ckt.2	66KV	M.FEED	U/G	1.4		1.4	3x1Cx630 sq.mm. XLPE	-
85	T-Off Bindapur (Matiala-Pankha Rd.I)	T-Off Bindapur(Matiala-Pankha Rd.I)	66KV	INTERCONNECTOR	O/H	0.05	0.05		-	ACSR Goat
86	Sagarpur-	Hari Ngr.Ckt.I	66KV	INTERCONNECTOR	Mixed	5.5	4.8	0.7	2X3CX300mm sq.XLPE	ACSR Goat
87	Sagarpur-	Hari Ngr.Ckt.II	66KV	INTERCONNECTOR	Mixed	5.5	4.8	0.7	2X3CX300mm sq.XLPE	ACSR Goat
88	220KV PPK I -	G2 PPK. Ckt - I	66KV	M.FEED	Mixed	3.2	1.8	1.4	3x1Cx630 sq.mm. XLPE	ACSR Goat
89	220KV PPK I -	G2 PPK. Ckt - II	66KV	M.FEED	Mixed	3.2	1.8	1.4	3x1Cx630 sq.mm. XLPE	ACSR Goat
90	G-2 PPK -	Sagarpur Ckt.	66KV	INTERCONNECTOR	U/G	3.2		3.2	3x1Cx630 sq.mm. XLPE	-
91	PPK3	G-2 PPK	66KV	M.FEED	U/G	7	-	7	2X3CX300mm sq.XLPE	-
92	PPK3 -	Sagarpur	66KV	M.FEED	U/G	10.2	-	7 + 3.2	2X3CX300mm sq.XLPE + 3x1Cx630 sq.mm. XLPE	-
93	220KV,PP K-1	G 6 PPK	66KV	M.FEED	Mixed	3.33	2.08	1.25	3x1Cx630 sq.mm. XLPE	ACSR Goat
94	220KV,PP K-1	G-7, PPK	66KV	M.FEED	Mixed	5.4	2.08	1.25 + 2.07	3x1Cx630 sq.mm. XLPE + 2x3Cx300 sq.mm. XLPE	ACSR Goat
95	G-6PPK	G-15, PPK ckt -1	66KV	INTERCONNECTOR	u/G	5		5	3x1x 1000 sq.mm. XLPE	CBL.
96	G-6PPK	G-15, PPK ckt -2	66KV	INTERCONNECTOR	u/G	5		5	3x1x 1000 sq.mm. XLPE	CBL.

97	220KV PPK-3	G-6, PPK	66KV	M.FEED	U/G	2.31		2.31	2X3CX300mm sq.XLPE	CBL.
98	220KV PPK-3	G-7, PPK	66KV	M.FEED	Mixed	4.38	2.07	2.31	2X3CX300mm sq.XLPE	CBL.

**C ) List of Grids: SOUTH CIRCLE**

Name of Grid	Voltage Level	Type of EHV Switchgear i.e GIS, AIS etc	Existing PTR Count with capacity		
			Nos of PTR	Rating (MVA)	PTR No
<b>33 kV ADCHINI GRID</b>	33/11 KV	AIS	3	16	PTR No.3
	33/11 KV	AIS		20	PTR No.2
	33/11 KV	AIS		20	PTR No.1
<b>33 kV ALAKNANDA GRID</b>	33/11 KV	GIS	3	16	PTR No.1
	33/11 KV	GIS		25	PTR No.3
	33/11 KV	GIS		20	PTR No.2
<b>33 kV ANDHERIA BAGH GRID</b>	33/11 KV	AIS	3	16	PTR No.1
	33/11 KV	AIS		16	PTR No.3
	33/11 KV	AIS		20	PTR No.2
<b>33 kV BALAJI STATE GRID</b>	33/11 KV	AIS	2	20	PTR No.2
	33/11 KV	AIS		20	PTR No.1
<b>33 kV BHIKAJI CAMA PLACE GRID</b>	33/11 KV	AIS	3	20	PTR No.1
	33/11 KV	AIS		20	PTR No.2
	33/11 KV	AIS		25	PTR No.3
<b>33 kV D.C.SAKET GRID</b>	33/11 KV	AIS	4	16	PTR No.1
	33/11 KV	AIS		16	PTR No.4
	33/11 KV	AIS		16	PTR No.2
	33/11 KV	AIS		20	PTR No.3
<b>33 kV DEFENCE COLONY GRID</b>	33/11 KV	AIS	3	20	PTR No.1
	33/11 KV	AIS		20	PTR No.3
	33/11 KV	AIS		25	PTR No.2
<b>33 kV EAST OF KAILASH GRID</b>	33/11 KV	AIS	3	20	PTR No.3
	33/11 KV	AIS		20	PTR No.1
	33/11 KV	AIS		20	PTR No.2
<b>33 kV ITPO</b>	33/11 KV	GIS	1	16	PTR No.1

<b>33 kV EXHIBITION GROUND - 2 GRID</b>	33/11 KV	AIS	1	16	PTR No.1
<b>33 kV H.U.D.C.O GRID</b>	33/11 KV	AIS	3	16	PTR No.1
	33/11 KV	AIS		16	PTR No.3
	33/11 KV	AIS		25	PTR No.2
<b>33 kV I.I.T. GRID</b>	33/11 KV	GIS	2	20	PTR No.2
	33/11 KV	GIS		20	PTR No.1
<b>33 kV JAMIA MILLIA GRID</b>	33/11 KV	AIS	3	16	PTR No.2
	33/11 KV	AIS		16	PTR No.2
	33/11 KV	AIS		31.5	PTR No.3
<b>33 kV KILOKARI GRID</b>	11/6.6 KV	AIS	3	3	PTR No.3
	33/11 KV	AIS		25	PTR No.2
	33/11 KV	AIS		16	PTR No.1
<b>33 kV LAJPAT NAGAR-3 GRID</b>	33/11 KV	GIS	2	20	PTR No.2
	33/11 KV	GIS		25	PTR No.1
<b>33 kV MASJID MOTH GRID</b>	33/11 KV	AIS	3	16	PTR No.1
	33/11 KV	AIS		16	PTR No.3
	33/11 KV	AIS		16	PTR No.2
<b>33 kV N.D.S.E.-2 GRID</b>	33/11 KV	GIS	2	16	PTR No.2
	33/11 KV	GIS		25	PTR No.1
<b>33 kV NEHRU PLACE GRID</b>	33/11 KV	AIS	4	20	PTR No.1
	33/11 KV	AIS		20	PTR No.2
	33/11 KV	AIS		20	PTR No.3
	33/11 KV	AIS		25	PTR No.4
<b>33 kV NIZAMUDDIN GRID</b>	33/11 KV	AIS	3	20	PTR No.1
	33/11 KV	AIS		20	PTR No.3
	33/11 KV	AIS		25	PTR No.2
<b>33 kV OKHLA PHASE-2 GRID</b>	33/11 KV	AIS	3	25	PTR No.3
	33/11 KV	AIS		20	PTR No.2
	33/11 KV	AIS		20	PTR No.1
<b>33 kV PALAM GRID</b>	33/11 KV	AIS	1	10	PTR No.1
<b>33 kV PUSHP VIHAR GRID</b>	33/11 KV	AIS	2	16	PTR No.2
	33/11 KV	AIS		16	PTR No.1
<b>33 kV R.K.PURAM - 1 GRID</b>	33/11 KV	AIS	2	16	PTR No.2
	33/11 KV	AIS		15	PTR No.1
<b>33 kV R.K.PURAM - 2 GRID</b>	33/11 KV	AIS	2	16	PTR No.1
	33/11 KV	AIS		20	PTR No.2
<b>33 kV SARAI JULLENA GRID</b>	33/11 KV	AIS	3	25	PTR No.3
	33/11 KV	AIS		25	PTR No.2
	33/11 KV	AIS		25	PTR No.1
<b>33 kV SHIVALIK GRID</b>	33/11 KV	AIS	3	16	PTR No.3

	33/11 KV	AIS		20	PTR No.2
	33/11 KV	AIS		20	PTR No.1
<b>33 kV SIRI FORT GRID</b>	33/11 KV	AIS	3	16	PTR No.1
	33/11 KV	AIS		20	PTR No.3
	33/11 KV	AIS		25	PTR No.2
<b>33 kV TUGHLAKBAD GRID</b>	33/11 KV	AIS	3	25	PTR No.1
	33/11 KV	AIS		25	PTR No.3
	33/11 KV	AIS		25	PTR No.2
<b>33 kV V.S.N.L. GRID</b>	33/11 KV	GIS	3	20	PTR No.2
	33/11 KV	GIS		20	PTR No.1
	33/11KV	GIS		16	PTR No.3
<b>33 kV VASANT VIHAR GRID</b>	33/11 KV	AIS	3	20	PTR No.1
	33/11 KV	AIS		16	PTR No.3
	33/11 KV	AIS		20	PTR No.2
<b>66 kV BATRA GRID</b>	66/11 KV	AIS	3	31.5	PTR No.1
	66/11 KV	AIS		25	PTR No.2
	66/11 KV	AIS		31.5	PTR No.3
<b>66 kV C - DOT GRID</b>	66/11 KV	AIS	4	20	PTR No.3
	66/11 KV	AIS		20	PTR No.1
	66/11 KV	AIS		20	PTR No.2
	66/11 KV	AIS		20	PTR No.4
<b>66 kV I.G.N.O.U GRID</b>	66/11 KV	AIS	2	20	PTR No.2
	66/11 KV	AIS		20	PTR No.1
<b>66 kV I.O.C.BIJWASAN GRID</b>	66/11 KV	AIS	6	20	PTR No.1
	66/11 KV	AIS		25	PTR No.2
	66/11 KV	AIS		20	PTR No.3
	66/11 KV	AIS		20	PTR No.4
	66/6.6 KV	AIS		5	PTR No.2
	66/6.6 KV	AIS		5	PTR No.1
<b>66 kV J.N.U GRID</b>	66/11 KV	AIS	5	20	PTR No.2
	66/11 KV	AIS		20	PTR No.1
	66/11 KV	AIS		50	PTR No.1
	66/11 KV	AIS		50	PTR No.2
	66/11 KV	AIS		50	PTR No.3
<b>66 kV JASOLA GRID</b>	66/11 KV	AIS	4	20	PTR No.2
	66/11 KV	AIS		20	PTR No.1
	66/33 KV	AIS		50	PTR No.1
	66/33 KV	AIS		50	PTR No.2
<b>66 kV M.C.I.E GRID</b>	66/11 KV	AIS	3	25	PTR No.3
	66/11 KV	AIS		20	PTR No.2
	66/11 KV	AIS		20	PTR No.1

<b>66 kV MALVIYA NAGAR GRID</b>	66/11 KV	AIS	7	20	PTR No.1
	66/11 KV	AIS		20	PTR No.2
	66/11.5 KV	AIS		15	PTR NO.3
	66/33 KV	AIS		50	PTR No.3
	66/33 KV	AIS		50	PTR No.2
	66/33 KV	AIS		50	PTR No.4
	66/33 KV	AIS		50	PTR No.1
<b>66 kV MATHURA ROAD GRID</b>	66/11 KV	AIS	3	25	PTR No.3
	66/11 KV	AIS		20	PTR No.2
	66/11 KV	AIS		20	PTR No.1
<b>66 kV MITHAPUR GRID</b>	66/11 KV	GIS	2	25	PTR No.2
	66/11 KV	GIS		25	PTR No.1
<b>66 kV OKHLA PHASE - 1 GRID</b>	66/11 KV	AIS	4	20	PTR No.3
	66/11 KV	AIS		20	PTR No.2
	66/11 KV	AIS		20	PTR No.1
	66/11 KV	AIS		25	PTR No.4
<b>66 kV PALAM GRID</b>	66/11 KV	AIS	4	20	PTR No.1
	66/11 KV	AIS		20	PTR No.2
	66/33 KV	AIS		50	PTR No.2
	66/33 KV	AIS		50	PTR No.1
<b>66 kV RIDGE VALLEY GRID</b>	33/11 KV	AIS	5	16	PTR No.5
	66/11 KV	AIS		20	PTR No.4
	66/33 KV	AIS		50	PTR No.2
	66/33 KV	AIS		50	PTR No.1
	66/33 KV	AIS		50	PTR No.3
<b>66 kV SARITA VIHAR GRID</b>	66/11 KV	AIS	3	20	PTR No.1
	66/11 KV	AIS		20	PTR No.2
	66/11 KV	AIS		25	PTR No.3
<b>66 kV VASANT KUNJ B - BLK GRID</b>	66/11 KV	AIS	4	20	PTR No.1
	66/11 KV	AIS		20	PTR No.2
	66/33 KV	AIS		30	PTR No.1
	66/33 KV	AIS		30	PTR No.2
<b>66 kV VASANT KUNJ C- BLK GRID</b>	66/11 KV	AIS	2	20	PTR No.1
	66/11 KV	AIS		20	PTR No.2
<b>66 kV VASANT KUNJ D - BLK GRID</b>	66/11 KV	AIS	3	25	PTR No.3
	66/11 KV	AIS		20	PTR No.1
	66/11 KV	AIS		20	PTR No.2
<b>66 kV VASANT KUNJ INSTITUTIONAL AREA G</b>	66/11 KV	AIS	2	25	PTR No.1
	66/11 KV	AIS		25	PTR No.2
<b>66kV AEROCITY</b>	66/11 KV	AIS	2	40	PTR No.1
	66/11 KV	AIS		40	PTR No.2

<b>66 kV FATEHPUR BERI</b>	66/11 KV	AIS	2	25	PTR No.1
	66/11 KV	AIS		25	PTR No.2
<b>66KV SANGAM VIHAR</b>	66/11 KV	GIS	2	31.5	PTR
	66/11 KV	GIS		31.5	PTR

**D) LIST OF GRIDS: WEST CIRCLE**

S NO	Name of Grid	Voltage Level	Type of EHV Switchgear i.e GIS, AIS etc	PTR COUNT	Existing PTR Count with capacity
1	G-2 GRID	66	AIS	4	20
					20
					20
					25
2	G-5 MATIYALA GRID	66	AIS	4	20
					31.5
					31.5
					25
3	G-6 PPK GRID	66	AIS	4	20
					20
					25
					25
4	G-15 PPK GRID	66	AIS	3	20
					25
					20
5	G4	66	AIS	3	25
					20
					25
6	G7	66	AIS	3	25
					25
					20
7	JAFFAR PUR GRID	66	AIS	4	20
					20
					20
					20
8	CHAUKHANDI	33	INDOOR BOARD	3	25
					20
					25
9	MUKHERJEE PARK	33	AIS	4	16
					25
					16

					20
10	S.B. MILL	33	AIS	2	20
					20
11	WDDC VISHAL	33	AIS	4	20
					20
					20
12	220 KV PPK-2	66	AIS	2	20
					20
13	BODELLA-1	66	AIS	4	20
					20
					20
					25
14	D.C. JANAK PURI	33	INDOOR BOARD	2	25
					25
15	PANKHA ROAD	66	AIS	5	20
					20
					20
					50
					50
16	A-4 PASCHIM VIHAR	33	INDOOR BOARD	3	20
					20
					16
17	MADI PUR	33	AIS	2	20
					20
18	UDYOG NAGAR	33	AIS	2	25
					25
19	NANGLOI	66	AIS	5	50
					50
					20
					20
					20
20	NANGLOI W W	66	AIS	4	20
					20
					20
					25
21	METAL FORGING	33	AIS	1	16
22	SAGARPUR	66	AIS	3	31.5
					31.5
					20
23	BINDAPUR	66	AIS	4	31.5
					31.5
					20
					25
24	HARINAGAR	66	AIS	4	20

					20
					20
					31.5
25	MAYAPURI	33	AIS	3	20
					20
					20
26	BODELLA-2	66	AIS	4	20
					31.5
					20
					20
27	PASCHIM PURI	33	AIS	3	20
					20
					20
28	PASCHIM VIHAR	66	AIS	6	20
					25
					20
					20
					50
					50
29	GGSH	66	AIS	2	25
					25
30	HASTSAL GRID	66	AIS	3	31.5
					25
					25
31	DJB Njafgarh	66	AIS	3	25
					25
					25
32	Tikri( Mundka)	66	AIS	2	25
					25
33	DJB NILOTI	66	AIS	2	25
					25
34	G-1	66	GIS	3	25
					25
					20
35	A-43	33	GIS	2	31.5
					31.5
36	MITRON	66	AIS	1	20
37	DLF TOWER ,NAJAFGARH ROAD	33	INDOOR BOARD	NIL	
38	DLF GREEN	33	INDOOR BOARD	NIL	
39	PACIFIC M MALL SUBASH NGR(33KV SWG ROOM)	33	INDOOR BOARD	NIL	
40	DMICDC RSS-1	66	GIS	NIL	
41	DMICDC RSS-2	66	GIS	NIL	

## **SECTION – VII**

### **LIST Of T&P & PPE**

Requirement of T & P in EHV South – I		
S No.	Item Description	Quantity
1	Metal Tool Box	5
2	Ratchet Set	5
3	Carpenter chisel 8 IN	5
4	Screw driver 150 MM	5
5	Screw driver 250 MM	5
6	File flat Rough 8 IN	5
7	File flat smooth 10 IN	5
8	File half round smooth 8 IN	5
9	File Round	5
10	Allen key set 3-12 MM ( Set)	5
11	Drill bit set 3-12 MM ( Set)	5
12	Haxsaw blade 12x1/2 IN ( Pkt)	5
13	Haxsaw frame 12 IN	5
14	Hammer ball 1000 GM	5
15	Hammer with handel 500 GM	5
16	Plier general 160 MM	5
17	Plier nose 160 MM	5
18	Plier monkey 6 IN	5
19	Screw driver 8 IN	5
20	Screw driver 12 IN	5
21	Screw driver 10 IN	5
22	Screw driver 6 IN	5
23	Spanner adjustable 8 IN	5
24	Spanner adjustable 12 IN	5
25	Spanner Ring 6-32 MM	5
26	Spanner D type ( Set)	5
27	Pipe Wrench 8 IN	5
28	Pipe Wrench 12 IN	5
29	Pipe Wrench 15 IN	5
30	Pipe Wrench 24 IN	5
31	Socket set hex 8-32 MM	5
32	hand Drill machine	5
33	Vaccum cleaner	5
34	Heat blower	5

35	Multimeter	5
36	Shorting chain ( Brass)	24
37	Torch ( Chargable)	5
38	Rope 15 MM	6
39	Chain Pully Block ( Complete set including Wooden Log of suitable length)	2
40	Drainage water pump single phase complete with Inlet/outlet pipes & Foot valve	1
41	Tarpollin 20ft x 20ft to cover PTR for emergency work	5
42	Extension cord with rollable drum type with 100 m flexible cable	5
43	Welding Set	2
44	Drill Machine Fixed type	1
45	Rope pully with Rope of 100mtr length	2
46	METAL SHEET CUTTERT	5
47	Crane / Hydra as and when required in case of Major work as per site requirement	as per site requirement

**Requirement of T & P in EHV South –II**

<b>S. No.</b>	<b>Item Description</b>	<b>Quantity</b>
1	Metal Tool Box	6
2	Ratchet Set	6
3	Carpenter chisel 8 IN	6
4	Screw driver 150 MM	6
5	Screw driver 250 MM	6
6	File flat Rough 8 IN	6
7	File flat smooth 10 IN	6
8	File half round smooth 8 IN	6
9	File Round	6
10	Allen key set 3-12 MM ( Set)	6
11	Drill bit set 3-12 MM ( Set)	6
12	Haxsaw blade 12x1/2 IN ( Pkt)	6
13	Haxsaw frame 12 IN	6
14	Hammer ball 1000 GM	6
15	Hammer with handel 500 GM	6
16	Plier general 160 MM	6
17	Plier nose 160 MM	6
18	Plier monkey 6 IN	6
19	Screw driver 8 IN	6
20	Screw driver 12 IN	6
21	Screw driver 10 IN	6
22	Screw driver 6 IN	6
23	Spanner adjustable 8 IN	6
24	Spanner adjustable 12 IN	6
25	Spanner Ring 6-32 MM	6
26	Spanner D type ( Set)	6
27	Pipe Wrench 8 IN	6
28	Pipe Wrench 12 IN	6
29	Pipe Wrench 15 IN	6
30	Pipe Wrench 24 IN	6
31	Socket set hex 8-32 MM	6
32	hand Drill machine	6
33	Vaccum cleaner	6
34	Heat blower	6

35	Multimeter	6
36	Shorting chain ( Brass)	26
37	Torch ( Chargable)	6
38	Rope 15 MM	6
39	Chain Pully Block ( Complete set including Wooden Log of suitable length)	2
40	Drainge water pump single phase complete with Inlet/outlet pipes & Foot valve	1
41	Tarpollin 20ft x 20ft to cover PTR for emergency work	6
42	Extention cord with rollable drum type with 100 m flexible cable	6
43	Welding Set	2
44	Drill Machine Fixed type	1
45	Rope pully with Rope of 100mtr length	2
46	METAL SHEET CUTTERT	6
47	Crane / Hydra as and when required in case of Major work as per site requirement	as per site requirement

Apart from above, Motor operated Grass cutter shall also be provided by the vendor for South Circle

<b>Tools &amp; Tackles for TRL Maintenance EHV South</b>		
<b>S.No</b>	<b>Material</b>	<b>Required Qty</b>
1	Tool Set	4 set
2	Safety Helmet	50 Nos
3	Safety Shoes	50 Nos
4	Daave ( For Prunning tree)	20 Nos
5	Shorting Chain (Brass)	10 Nos
6	Chain Pulley (Single & Double)	2 set
7	Gas Cutter	2 Nos
8	Drill Machine	2 Nos
9	Mid Span Jointing Machine With Goat & Wolf Dai	2 Nos
10	Rope	200 Mtrs.
11	Come Along Clamp (kamla Clamp)	2 Nos
12	Wintch Machine	1 No.
13	Gainty & Phawra	2 set
14	Crane & JCB arrangement whenever required for maintenance of rail pole	1 No.
15	Safety Hand Gloves	10 Nos
16	Safety Belt	10 Nos
17	Welding Machine	2 Nos
18	Blower	2 Nos
19	Hydraulic Crimping Machine	2 Nos
20	Earth Tester	3Nos.

<b>Tools &amp; Tackles for B/Down ( EHV) South</b>		
<b>S.No</b>	<b>Material</b>	<b>Required Qty</b>
1	Tool Set	5 set
2	Daave ( Prunning tree)	4 Nos

3	Shorting Chain (Brass)	4 Nos
4	Safety Helmet	20 Nos
5	Safety Shoes	20 Nos
6	Safety Hand Gloves	5 Nos
7	Safety Belt	4 Nos

Requirement of T & P in EHV West - I			Requirement of T & P in EHV West -II		
S No.	Item Description	Quantity	S. No.	Item Description	Quantity
1	Metal Tool Box	3	1	Metal Tool Box	3
2	Ratchet Set	3	2	Ratchet Set	3
3	Carpenter chisel 8 IN	3	3	Carpenter chisel 8 IN	3
4	Screw driver 150 MM	3	4	Screw driver 150 MM	3
5	Screw driver 250 MM	3	5	Screw driver 250 MM	3
6	File flat Rough 8 IN	3	6	File flat Rough 8 IN	3
7	File flat smooth 10 IN	3	7	File flat smooth 10 IN	3
8	File half round smooth 8 IN	3	8	File half round smooth 8 IN	3
9	File Round	3	9	File Round	3
10	Allen key set 3-12 MM ( Set)	3	10	Allen key set 3-12 MM ( Set)	3
11	Drill bit set 3-12 MM ( Set)	3	11	Drill bit set 3-12 MM ( Set)	3
12	Hacksaw blade 12x1/2 IN ( Pkt)	3	12	Hacksaw blade 12x1/2 IN ( Pkt)	3
13	Hacksaw frame 12 IN	3	13	Hacksaw frame 12 IN	3
14	Hammer ballpeen 1000 GM	3	14	Hammer ballpeen 1000 GM	3
15	Hammer with handle 500 GM	3	15	Hammer with handle 500 GM	3
16	Plier general 160 MM	3	16	Plier general 160 MM	3
17	Plier nose 160 MM	3	17	Plier nose 160 MM	3
18	Plier monkey 6 IN	3	18	Plier monkey 6 IN	3
19	Screw driver 8 IN	3	19	Screw driver 8 IN	3
20	Screw driver 12 IN	3	20	Screw driver 12 IN	3
21	Screw driver 10 IN	3	21	Screw driver 10 IN	3
22	Screw driver 6 IN	3	22	Screw driver 6 IN	3
23	Spanner adjustable 8 IN	3	23	Spanner adjustable 8 IN	3
24	Spanner adjustable 12 IN	3	24	Spanner adjustable 12 IN	3
25	Spanner Ring 6-32 MM	3	25	Spanner Ring 6-32 MM	3
26	Spanner D type ( Set)	3	26	Spanner D type ( Set)	3
27	Pipe Wrench 8 IN	3	27	Pipe Wrench 8 IN	3
28	Pipe Wrench 12 IN	3	28	Pipe Wrench 12 IN	3
29	Pipe Wrench 15 IN	3	29	Pipe Wrench 15 IN	3
30	Pipe Wrench 24 IN	3	30	Pipe Wrench 24 IN	3
31	Socket set hex 8-32 MM	3	31	Socket set hex 8-32 MM	3
32	Drill machine	3	32	Drill machine	3

33	Vacuum cleaner	3	33	Vacuum cleaner	3
34	Heat blower	3	34	Heat blower	3
35	Multimeter	1	35	Multimeter	1
36	Clamp on Meter	1	36	Clamp on Meter	1
37	Hydraulic/ Hand Crimping Machine	1	37	Hydraulic/ Hand Crimping Machine	1
38	Shorting chain (Brass)	3	38	Shorting chain (Brass)	3
39	Oil Lifting Pump (Tullu pumps, alongwith inlet & outlet pipes )	1	39	Oil Lifting Pump (Tullu pumps, alongwith inlet & outlet pipes )	1
40	Torch ( Chargeable)	3	40	Torch ( Chargeable)	3
41	Rope 15 MM	3	41	Rope 15 MM	3
42	Safety Goggle, helmets, shoes. Etc.	3	42	Safety Goggle, helmets, shoes. Etc.	3
43	Gulsan set	3	43	Gulsan set	3
44	Choursey (for cutting of Gasket)	3	44	Choursey(for cutting of Gasket)	3
45	Discharge Rod (66 KV )	1	45	Discharge Rod (66 KV )	1
46	Ladder ( 12 Foot )	1	46	Ladder ( 12 Foot )	1
47	Caution Tape, 100 Mtrs.	3 rolls	47	Caution Tape, 100 Mtrs.	3 rolls
48	Sheet cutter	1	48	Sheet cutter	1
49	Tarpollin 20ft x 20ft to cover PTR for emergency work	3	49	Tarpollin 20ft x 20ft to cover PTR for emergency work	3
50	Welding Set	2	50	Welding Set	2

Apart from above, Motor operated Grass cutter shall also be provided by the vendor for West Circle

<b>Tools &amp; Tackles for "TRL" Maintenance WEST.</b>		
<b>S.No</b>	<b>Material</b>	<b>Required Qty</b>
1	Tool Set	5 set
2	Safety Helmet	50 Nos
3	Safety Helmet (WHITE)	5 Nos
4	Safety Shoes	50 Nos
5	Daave ( For Prunning tree)	20 Nos
6	Shorting Chain (Brass)	10 Nos
7	Chain Pulley (Single & Double)	2 set
8	Gas Cutter	2 Nos
9	Drill Machine	2 Nos
10	Mid Span Jointing Machine With Goat & Wolf Dai	2 Nos
11	Rope	200 Mtrs.(20Nos)
12	Come Along Clamp (kalma Clamp)	2 Nos
13	Wrench Machine	1 No.

14	Gainty & Phawra	4 set
15	Crane & JCB arrangement whenever required for maintenance of rail pole/as per site.	1 No.
16	Safety Hand Gloves	20 Nos
17	Safety Belt	20 Nos
18	Welding Machine	2 Nos
19	Blower	2 Nos
20	Hydraulic Crimping Machine	2 Nos
21	Earth Tester	3Nos.

<b>Tools &amp; Tackles for B/Down( EHV) WEST</b>		
<b>S.No</b>	<b>Material</b>	<b>Required Qty</b>
1	Tool Set	5 set
2	Daave ( Prunning tree)	5 Nos
3	Shorting Chain (Brass)	5 Nos
4	Safety Helmet	10 Nos
5	Safety Shoes	10 Nos
6	Safety Hand Gloves	5 Nos
7	Safety Belt	5 Nos

#### **STANDARDIZATION OF PPEs:**

<b>Sr No</b>	<b>PPE</b>	<b>IS</b>	<b>Make/Remark</b>
1	Safety Helmet	IS 2925: 1984	Reputed make like 3M/Honey well/Karam/KATU
2	Hand Gloves (preferably Composite Type)	IS 4770: 1991	Reputed make like Honey well/CATU
3	Safety Shoes	IS:5298	Reputed make like Liberty/ Bata/ Lee Cooper
4	Safety Goggles	IS 7524: part I 1980	Reputed make like Honey well/ Karam/Uni Care/Uni vet
5	Safety Belt/ Full Body Harness	IS 3521	From Reputed make suitable for our system.
6	FRP Ladders	IS 3696 : Part 2 1991	Suitable for our Use and as per break down Vehicles.
7	Reflective Safety Jackets	IS 15809: 2008	Preferably Cottn Type with reflective Tape of 3 M Make
8	Caution Tape	OSHA-1910: 145	
9	Barricade	OSHA-1926: 202	

10	LED Traffic Baton Torch	Like Used by Traffic Department (Chargeable)	Any Reputed make
11	PVC Cones for Diversion of Traffic	Like Used by Traffic Department	
12	Extendable Discharge Rod	Suitable for LT and 11 KV and 33 KV System IEC 60855	From Reputed make such as Honey well /KATU and /Kusum

IS 13772: Hand Tools for Live Working up to 1000 V AC and 1500 V DC

Bidder to specify "Quantity available ",its make & model. Also certify T&P where make is specified.

## **SECTION – VIII**

### **PRICE FORMAT**

<b>SR. NO.</b>	<b>Description</b>	<b>UNIT</b>	<b>Monthly AMC Cost (in Rs.) for resources as per Section V and including all other costs ( I/ C of all taxes Except GST)</b>
1	SOUTH GRID	PER MONTH	
2	WEST GRID	PER MONTH	
3	Transmission Line SOUTH	PER MONTH	
4	Transmission Line WEST	PER MONTH	
5	Protection	PER MONTH	

GST shall be extra at actual

**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 it's licensed distribution network area in Delhi
- 2 Having examined the Bidding Documents for the above named works, we the undersigned, offer to provide our services in full conformity with the Terms and Conditions and technical specifications of the contract .
- 3 If our Bid is accepted, we under take to provide our services as per completion schedule mentioned in the tender document from the date of award of work order/letter of intent.
- 4 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.
- 5 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.
- 6 Unless and until Letter of Intent is issued, this Bid, together with your written acceptance there of, shall constitute a binding contract between us.
- 7 We understand that you are not bound to accept the lowest, or any bid you may receive.
- 8 There is provision for Resolution of Disputes under this Contract, in accordance with the Laws and Jurisdiction of Contract.

Dated this ..... day of ..... 2021

Signature .....In the capacity of .....

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

(IN BLOCK CAPITALS) .....

**PERFORMA OF CONTRACT PERFORMANCE BANK GUARANTEE**

(TO BE ISSUED ON RS 100/- STAMP PAPER)

Bank Guarantee No.

Place:

Date:

To

BSES Rajdhani Power Limited

Whereas BSES RAJDHANI POWER LTD (hereinafter referred to as the "Purchaser", which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assigns) has awarded to M/s.. with its Registered/ Head Office at

(hereinafter referred to as the "Supplier" which expression shall unless repugnant to the context or meaning thereof, include its successors administrators, executors and assigns), a contract no. dated (the Contract);

And whereas the value of the Contract is Rs. ( The Contract Value).

And whereas it is a condition of the Contract that the Supplier shall provide a Performance Bank Guarantee for the due and faithful performance of the entire Contract for a sum equivalent to - % of the Contract Value to the Purchaser on or before

And whereas the Bank under instructions from the Supplier has agreed to guarantee dIe due performance of the Contract.

Now it is agreed as follows:

1. we (Name of the Bank) having its Head Office at (hereinafter referred to as the Bank, which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) Shall indemnify and keep indemnified the Purchaser for, and guarantee and undertake to pay to the Purchaser immediately on written demand, a sum equivalent to % of the Contract Value

as aforesaid at any time upto (day/month/year) without any demur, reservation,

contest, recourse or protest and/or without any reference to the Supplier, against all losses, damages, costs and expenses that may be caused to or suffered by the Purchaser by reason of any default on the pall of the Supplier in performing and observing any and all the terms and conditions of the Contract or breach on the part if the Supplier of terms or conditions of the Contract.

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Bidders seal & signature

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Bidders seal & signature

2. The demand shall consist only of an original letter issued by Purchaser stating that the Supplier has failed to fulfill its obligations under the Contract. Such demand made by the Purchaser on the Bank shall be conclusive and binding notwithstanding any difference or dispute between the Purchaser and the Supplier or any difference or dispute pending before any Court, Tribunal, Arbitrator or any other authority.

3. The Bank undertakes not to revoke this guarantee during its currency without previous written consent of the Purchaser and further agrees that the guarantee herein contained shall continue to be enforceable during the period that would be taken for satisfactory performance and fulfillment in all respects of the Contract or in the event of any dispute between the Purchaser and Supplier until the dispute is settled (provided that a claim/demand under this guarantee is lodged/referred during the currency of this guarantee) or till the Purchaser discharges this guarantee whichever is earlier.

4. The Purchaser shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance of the Contract by the Supplier. The Purchaser shall have the fullest liberty, without affecting the liability of the Bank under this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Supplier, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract. or any other course or remedy or security available to the Purchaser. The Bank shall not be released of its obligations under these presents by any exercise by the Purchaser of its liberty with reference: to the matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Purchaser or any other indulgence shown by the Purchaser or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the Bank.

5. The Bank agrees that the Purchaser and its option shall be entitled to enforce this guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Supplier and notwithstanding any security or other guarantee that the Purchaser may have in relation to the Supplier's liabilities.

6. Notwithstanding anything contained hereinabove the liability of the Bank under this guarantee is restricted to a sum equivalent to % of the Contract Value i.e. Rs.(Rupees) and it shall remain in force upto and including . Unless a demand to enforce a claim under this guarantee is made against the Bank within 3 months from the the above date of expiry i.e. up to all the rights of the Purchaser under the said guarantee shall be forfeited and the Bank shall be released and discharged from all liabilities thereafter.

7. This Performance Bank Guarantee shall be governed by the laws of India.

Dated this Witness

day of 2021 at

1. For Bank

2. Signature Name Power of Attorney No:

Banker's Seal

**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 \_\_\_\_\_ 2021\_\_\_\_\_.

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**

**Communication Details**

**Bidder should fill the below format 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

## **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 Commercially 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 bidder.
- 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 as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be out rightly rejected by BRPL.
- 7) The bidder shall be prepared with competitive price quotes on the day of the bidding event.
- 8) The prices as quoted by the bidder during the auction event shall be inclusive of all the applicable taxes, duties and levies and shall be FOR at BRPL site/ store
- 9) The prices submitted by a bidder during the auction event shall be binding on the bidder.
- 10) No requests for time extension of the auction event shall be considered by BRPL.
- 11) The discount received after the RA and final negotiation, w.r.t. the initial financial bid shall be applied on all the items on a pro rata basis.
- 12) In case RA is not conducted /concluded for any reasons, a "final no regret" financial bid in a sealed envelope will be called for from all qualified bidders.