

Tender Notification for

EXTENSION OF BAY, YARD DEVELOPMENT, SWITCH GEAR ROOM WITH GALVANIZED STRUCTURES AT 66KV GRID S/STN OLD KONDLI MVR-III(EE19AT4002), EAST OF LONI (EE19AT4003), DILSHAD GARDEN (EE19AT4004) & SONIA VIHAR KWN (EE19AT4008) IN BYPL

NIT NO CMC/BY/19-20/RB/KA/041

Due Date for Submission: 27.08.2019(Tuesday)

BSES YAMUNA POWER LTD (BYPL)

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SECTION – I: REQUEST FOR QUOTATION

1.00 Event Information

1.01 BYPL invites sealed tenders in 2 envelopes for

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

The sealed envelopes shall be duly super scribed as —

“EXTENSION OF BAY, YARD DEVELOPMENT, SWITCH GEAR ROOM WITH GALVANIZED STRUCTURES AT 66KV GRID S/STN OLD KONDLI MVR-III(EE19AT4002), EAST OF LONI (EE19AT4003), DILSHAD GARDEN (EE19AT4004) & SONIA VIHAR KWN (EE19AT4008) IN BYPL

“NIT NO CMC/BY/19-20/RB/KA/041

Tender Cost – Rs. 3.25 Crs.

1.02 The tender document can be obtained from address given below against submission of non-refundable demand draft of **Rs.1180/-** drawn in favour of BSES Yamuna Power Ltd, payable at Delhi. The tender papers will be issued on all working days upto **26.08.2019, 5.00 PM**. The tender documents & detail terms and conditions can also be downloaded from the website “**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.

1.02 Offers will be received up to **27.08.2019, 3.30 PM**. at the address given below. Part A of the bid shall be opened on **27.08.2019, 4.00 PM**. Part B of the bid will be opened in case of techno-commercially qualified bidders and the date of opening of the same shall be intimated in due course of time. It is the sole responsibility of the bidder to ensure that the bid documents reach this office on or before the last date:

**Head of Department
Contracts & Material Deptt.
BSES Yamuna Power Ltd
IIIrd Floor, A Block,
Shakti Kiran Building,
Karkardooma
Delhi**

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

(i) Earnest Money Deposit (EMD) of Rs. 2,00,000/- is not deposited in shape of Bank Draft/Pay Order/FDR/Bank Guarantee drawn in favour of BSES Yamuna Power Ltd, payable at Delhi.

(ii) Tender is received after due date and time.

2.0 Qualification Criteria:-

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

- a) Bidder must be competent to execute the civil works.
- b) Bidder must have executed the works of like nature under single contract of one crore or two contracts of 50 lakhs each in last three years and having extensive experience of carrying out similar types of work.
- c) Bidder should have valid Registration No. of GST,
- d) Bidder should have PAN No & should fulfill all statutory compliances like PF, ESI registration etc.
- e) Firms who are debarred/blacklisted in other utilities in India will not be considered.
- f) Owner reserves the right to carry out capability assessment of the Bidders and Owner's decision shall be final in this regard.
- g) The agency must have carried out single work more than 1.00 Crs.
- h) Average annual turnover in last 3 financial years should not be less than Rs1.50 Crs.

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

3.0 Bidding and Award Process

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

3.01 BID SUBMISSION

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

**Head of Department
Contracts & Material Deptt.
BSES Yamuna Power Ltd
IIIrd Floor, A Block,
Shakti Kiran Building,
Karkardooma
Delhi**

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

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

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

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

3.02 TIME SCHEDULE

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

SNo.	Steps	Comprising of	Due Date
1	<p>PART A Technical and Commercial Bid</p> <p>PART B FINANCIAL BID</p>	<ul style="list-style-type: none"> • EMD of requisite amount • Non-refundable demand draft for Rs.1180/- in case the forms are downloaded from the website • Documentary evidence in support of qualifying criteria • Technical literature / list of makes etc. • Any other relevant document • Acceptance to Commercial Terms and conditions viz Delivery schedule / period, Payment terms, BG etc. • Price strictly in the Format enclosed (section IV) indicating breaking up regarding basic price, taxes & duties etc. 	27.08.2019, 4.00 PM

This is a two part bid process. Bidders are to submit the bids in 2 (two) parts

Both these parts should be furnished in separate sealed covers superscribing 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 superscribed with —
“Tender Notice No. & Due date of opening”. The same shall be submitted before the due date & time specified.

Part – A :: Techno-commercial Bid should not contain any cost information whatsoever and shall be submitted within the due date **27.08.2019 up to 3.30**

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

PART B :: This envelope will be opened after technical evaluation and only of 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.

4.0 Award Decision

4.01 Company intends to award the business on a lowest bid basis, so contractors are encouraged to submit the bid competitively. The decision to place order/LOI solely depends on Company on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that Company may deem relevant.

4.02 The Company reserves all the rights to split the work and award the Contract to more than one bidders so as to meet the delivery requirement Or nullify the award decision without any reason.

4.03 In case any contractor is found unsatisfactory during the execution process, the award will be cancelled and BYPL reserves the right to award other contractors who are found fit.

5.0 Market Integrity

We have a fair and competitive marketplace. The rules for bidders are outlined in the Terms & Conditions. Bidders must agree to these rules prior to participating. In addition to other remedies available, we reserves the right to exclude a bidder from participating in future markets due to the bidder's violation of any of the rules or obligations contained in the Terms & Condition. Bidders who violate the marketplace rule or engage in behavior that disrupts the fair execution of the marketplace 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 marketplace.
- Breach of the terms published in Request for Quotation/NIT.

6.0 Confidentiality

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

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

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

7.0 Contact Information

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

	Technical	Commercial
Contact Person	VP (Civil) BYPL	Head (C&M)
Address	Sh Mahesh Tiwari, Preet Vihar 33KV Grid, Delhi-110092. Phone-	C&M Deptt. IIIrd floor, A-block, Shakti Kiran Building, Karkardooma, Delhi

SECTION – II: INSTRUCTION TO BIDDERS

A. GENERAL

1.0 BSES Yamuna power Ltd , hereinafter referred to as “The Company” are desirous Extension Of Bay, Yard Development, Switch Gear Room With Galvanized Structures at 66kv Grid S/Stn Old Kondli MVR-III(EE19AT4002), East Of Loni (EE19AT4003),Dilshad Garden (EE19AT4004) & Sonia Vihar KWN (EE19AT4008).

. The Company has now floated this tender for civil work in that location.

2.0 SCOPE OF WORK

The scope shall include civil work for Extension Of Bay, Yard Development, Switch Gear Room With Galvanized Structures at

- 66kv Grid S/Stn Old Kondli MVR-III,
- East of Loni,
- Dilshad Garden &
- Sonia Vihar KWN, BYPL as per design, drawing and specification finalized by company.

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

3.0 DISCLAIMER

3.01 This Document includes statements, which reflect various assumptions, which may or may not be correct. Each Bidder/ Bidding Consortium should conduct its own estimation and analysis and should check the accuracy, reliability and completeness of the information in this Document and obtain independent advice from appropriate sources in their own interest.

3.02 Neither Company nor its employees will have any liability whatsoever to any Bidder or any other person under the law or contract, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage whatsoever which may arise from or be incurred or suffered in connection with anything contained in this Document, any matter deemed to form part of this Document, provision of Services and any other information supplied by or on behalf of Company or its employees, or otherwise a rising in anyway from the selection process for the work.

3.03 Though adequate care has been taken while issuing the Bid document, the Bidder should satisfy itself that Documents are complete in all respects. Intimation of any discrepancy shall be given to this office immediately.

3.04 This Document and the information contained herein are strictly confidential and are for the use of only the person(s) to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors).

4 COST OF BIDDING

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

B BIDDING DOCUMENTS

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

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

5.02 The Bidder is expected to examine the Bidding Documents, including all Instructions, Forms, Terms and Specifications. Failure to furnish all information required 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.

6.0 AMENDMENT OF BIDDING DOCUMENTS

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

6.02 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.

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

C. PREPARATION OF BIDS

7.0 LANGUAGE OF BID

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

8.0 DOCUMENTS COMPRISING THE BID

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

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

9.0 BID FORM

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

9.02 EMD

Pursuant to Clause 8.0(b) above, the bidder shall furnish, as part of its bid, a EMD amounting to 2,00,000.00/- 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/BG drawn in favors of BSES Yamuna Power Ltd, payable at Delhi.
- (b) BG/ Fixed Deposit Receipts (FDR) from a scheduled bank in favors of BSES Yamuna Power Limited valid for 90 days after last date of receipt of tenders

Earnest money given by all the bidders except the lower bidder shall be refunded within 4 (four) weeks from the date of opening of price bid. The amount of EMD by the lowest bidder shall be adjustable in the security bank guarantee.

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 work Order, or
 - (ii) Furnish the required performance security BG.

10.0 BID PRICES

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

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

11.0 BID CURRENCIES

Prices shall be quoted in Indian Rupees Only.

12.0 PERIOD OF VALIDITY OF BIDS

- 12.01 Bids shall remain valid & open for acceptance for a period of 90 days from the date of opening of the Bid.
- 12.02 Notwithstanding Clause 12.01 above, the Company may solicit the Bidder's consent to an extension of the Period of Bid Validity. The request and the responses thereto shall be made in writing and sent by Fax/post/courier.

13.0 ALTERNATIVE BIDS

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

14.0 FORMAT AND SIGNING OF BID

- 14.01 The original Bid Form and accompanying documents (as specified in Clause 9.0), clearly marked "Original Bid", must be received by the Company at the date, time and place specified pursuant to Clauses 15.0 and 16.0.
- 14.02 The original copy of the Bid shall be typed or written in indelible ink and shall be Signed by the Bidder or a person or persons duly authorized to sign on behalf of the Bidder. Such authorization shall be indicated by written Power-of-Attorney accompanying the Bid.
- 14.03 The Bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the Bid.

D. SUBMISSION OF BIDS

15.0 SEALING AND MARKING OF BIDS

- 15.01 Bid submission: One original (hard copies) of all the Bid Documents shall be sealed and submitted to the Company before the closing time for submission of the bid.
- 15.02 The Technical Documents and the EMD shall be enclosed in a sealed envelope and the said envelope shall be super scribed with — "Technical Bid & Commercial Terms & Conditions ". The price bid shall be inside another sealed envelope with super scribed — "Financial Bid". Both these envelopes shall be sealed inside another big envelope. All the envelopes should bear the Name and Address of the Bidder and marking for the Original. The envelopes should be super scribed with — "Tender Notice No. & Due Date of opening."
- 15.03 The Bidder has the option of sending the Bids in person. Bids submitted by Email/Telex/Telegram /Fax will be rejected. No request from any Bidder to the Company to collect the proposals from Courier/Airlines/Cargo Agents etc shall be

entertained by the Company.

16.0 DEADLINE FOR SUBMISSION OF BIDS

- 16.01 The original Bid, together with the required copies, must be received by the Company at the address specified no **later than 3.30 P.M. on 27.08.2019**
- 16.02 The Company may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with Clause 9.0, in which case all rights and obligations of the Company and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended

17.0 ONE BID PER BIDDER

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

18.0 LATE BIDS

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

19.0 MODIFICATIONS AND WITHDRAWAL OF BIDS

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

E. EVALUATION OF BID

20.0 PROCESS TO BE CONFIDENTIAL

Information relating to the examination, clarification, evaluation 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.

21.0 CLARIFICATION OF BIDS

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

22.0 PRELIMINARY EXAMINATION OF BIDS / RESPONSIVENESS

- 22.01 Company will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Bids are generally in order.
- 22.02 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price per item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total

price per item will be corrected. If there is a discrepancy between the Total Amount and the sum of the total price per item, the sum of the total price per item shall prevail and the Total Amount will be corrected.

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

23.0 EVALUATION AND COMPARISON OF BIDS

- 23.01 The evaluation of Bids shall be done based on the delivered cost competitiveness basis.
- 23.02 The evaluation of the Bids shall be a stage-wise procedure. The following stages are identified for evaluation purposes: In the first stage, the Bids would be subjected to a responsiveness check. The Technical Proposals and the conditional ties of the Bidders would be evaluated.

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

- 23.03 The Company's evaluation of a Bid will take into account, in addition to the Bid price, the following factors, in the manner and to the extent indicated in this Clause:
- (a) Work completion schedule
 - (b) Conformance to Qualifying Criteria
 - (c) Deviations from Bidding Documents

Bidders shall base their Bid price on the terms and conditions specified in the Bidding Documents.

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

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

F. AWARD OF CONTRACT

24.0 CONTACTING THE COMPANY

- 24.01 From the time of Bid opening to the time of contract award, if any Bidder wishes to contact the Company on any matter related to the Bid, it should do so in writing.

24.02 Any effort by a Bidder to influence the Company and/or in the Company's decisions in respect of Bid evaluation, Bid comparison or Contract Award, will result in the rejection of the Bidder's Bid.

25.0 THE COMPANY'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

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

26.0 AWARD OF CONTRACT

The Company will award the Contract to the successful Bidder whose Bid has been determined to be the lowest-evaluated responsive Bid, provided further that the Bidder has been determined to be qualified to satisfactorily perform the Contract. Company reserves the right to award order to other bidders in the tender, provided it is required for progress of project & provided he agrees to come to the lowest rate.

27.0 THE COMPANY'S RIGHT TO VARY QUANTITIES

The Company reserves the right to vary the quantity i.e. increase or decrease the numbers/quantities without any change in terms and conditions during the execution of the Order.

28.0 LETTER OF INTENT/ NOTIFICATION OF AWARD

The letter of intent/ Notification of Award shall be issued to the successful Bidder whose bids have been considered responsive, techno-commercially acceptable and evaluated to be the lowest (L1). The successful Bidder shall be required to furnish a letter of acceptance with in 7 days of issue of the letter of intent /Notification of Award by Company.

29.0 CORRUPT OR FRADULENT PRACTICES

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

(a) Defines, for the purposes of this provision, the terms set forth below as follows:

(i) "Corrupt practice" means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves and/or those close to them, or induce others to do so, by misusing the position in which they are placed, and it includes the offering, giving, receiving, or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; and

(ii) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of

the Company, and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non -competitive levels and to deprive the Company of the benefits of free and open competition.

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

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

SECTION – III: TERMS AND CONDITIONS

1.0) DEFINITIONS:

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

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

m. Language and Measurement:

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

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

n. Cost:

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

2.0) PERFORMANCE BOND:

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

3.0) TERMS OF PAYMENT:

3.1) Payment for works

- 3.1.1) 95% payment against completion of work on pro-rata basis within 30 days on submission of bills duly certified by Engineer-In-Charge. For Certification of work completion our EIC.
- 3.1.2) Balance 5% of payment would be retained for performance guarantee which would be released after 12 months after the completion of the project or on submission of equivalent performance bank guarantee.

- 3.2) After verification by the EIC of the running bills complete along with measurement sheets and required documents submitted by the Contractor, an interim certificate for 95% payment shall be issued stating the amount due to the Contractor taking into account:
- a) All the works executed under the instructions, acceptance and certified by the EIC and based on the rates and terms of work order/ Contract.
 - b) Payments already made or certified.
 - c) Recovery of materials, water, electricity etc. supplied by Company.
 - d) Recovery of advance payments if any, retention money and any other dues to be recovered from the Contractor under the Contract.
- 3.3) The Contractor shall submit the final bill along with duly checked final measurements and completion certificate towards the successful completion of the Contract as certified by the EIC.
- 3.4) Payment of final bill shall not be considered conclusive evidence as to the sufficiency of any work or materials, to which it relates, nor shall it relieve as to the sufficiency of work or materials which it related, nor shall it relieve the Contractor from his liabilities arising from any defects, which become apparent during the Defects Liability Period.
- 3.5) Engineer In Charge shall inform to Quality department at the time of start of this work for quality verification. Quality department report is to be attached with certified bills of the agency.

The Salary/wages to all deployed manpower is to be distributed through ECS only into the bank accounts of all individuals and not later than 7th of succeeding month. In case of unavoidable circumstances the payment may be made through crossed cheques in the name of the individual and information of all such cases need to be submitted to HR(CMC).

4.0) TAXES & DUTIES:

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

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

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

5.0) TENDER RATES & PRICES ALL INCLUSIVE:

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

6.0) MATERIALS & WORKMANSHIP:

6.1) Quality Assurance Programme:

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

6.2) Quality of materials and workmanship and tests:

The Contractor shall procure all equipment from genius sources as approved by the Company & as per Company specifications. Cement shall be of grade 43 ordinary port land cement conforming to IS 8112/53 grade O.P.C. conforming to IS 12269, aggregate for cement concrete shall conform to IS 383, reinforcement for cold twisted bars shall conform to IS 1786, the bricks for brick work shall correspond to IS 1077, Structural steel shall conform to relevant IS code, water to be used shall comply with requirement of IS 456. Contractor shall provide all requisite facilities for field tests and laboratory tests shall be carried out in the laboratory having ISO 9001-2000 Certified Testing Lab for which no extra payment shall be made. The Contractor shall maintain mandatory Test Register with Engineer-in-Charge as provide in latest Indian Standard Specifications.

All materials and workmanship shall be of the respective kinds described in the Contract and in accordance with the Engineer-in-Charge's instructions and shall be subjected from time to time to such tests as the Engineer-in-Charge may direct at the place of manufacture or fabrication or on the site or at such other places or places as may be specified in the Contract, or at all or any of such

places. The Contractor shall provide at no additional cost to the Company such assistance, instruments, machines, labour and materials as are normally required for examining, measuring and testing any work and the quality, weight or quantity of any material used and shall supply samples of materials before incorporation in the works for testing as may be selected and required by the EIC.

6.3) Cost of samples and tests:

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

6.4) Sampling and Testing Concrete on Site

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

6.5) Inspection of operations:

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

6.6) Examination of work before covering up:

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

7.0) MOBILISATION:

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

8.0) DEFECT LIABILITY PERIOD:

The defects liability period shall be 60 (Sixty) calendar months from the date of the successful completion of the contract as certified by the EIC including any extension (s) of time that may have been granted to the Contractor under the scope of this Contract. In case any defect in the work is observed during the defect liability period, the same shall be rectified by the Contractor at own cost including supply of all materials (as per prevailing rates), labour, equipments and any other appliance in this regards for the fulfillment of all obligations under the Contract and to the satisfaction of the Company.

9.0) DAMAGE OF PRIVATE PROPERTIES / LIFE:

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

10.0) APPROACHES:

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

11.0) SITE OFFICE AND SITE FACILITIES:

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

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

11.2) Any person, labour found creating mess or litter or pollution shall be removed from the site immediately at the Contractors cost and shall also be subject to penalty at the discretion of the EIC.

11.3) WATER & ELECTRICITY:

Water and Electricity Power shall be arranged by the Contractor at his own.

Water for construction and other uses:

It shall be the responsibility of the Contractor to make arrangements at his own expense for supply of water for construction and other uses. The Contractor shall also install pumps, construct temporary storage tanks and distribute the water to various points in works Site as required. The Contractor at his own expense shall make arrangement for operating and maintaining pumps & distribution lines, connections, which are installed by him for water.

If not arranged by the agency & departmental resources used, necessary deduction as under shall be made:

- (i) for water.....1% of work done.
- (ii) for electricity.....1/2 % of work done.
- (iii) in case the quantum of water and electricity is much less in that case, EIC has rights to deduct reasonable amount from bill with proper justification.

11.4) WATCHING & LIGHTING:

The Contractor shall in connection with the works provide and maintain at his own cost all lights, guards, fencing and watching when and where necessary for the protection of works, or for the safety and convenience of the public or others. The care, housekeeping and safety of the materials and works within the works site shall be sole responsibility of the Contractor.

12.0) TIME & COMPLETION PERIOD:

Time is the essence of this Project and the Project shall be completed within 3 (three) months from the date of issue of Letter of Intent or Work Order whichever is earlier, including mobilization period and monsoon.

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

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

13.0) LIQUIDATED DAMAGES:

In the event of the Contractor's failure to complete the work or any part there of within the Contract Period including the interim milestone dates, the Contractor shall be liable to pay the Company liquidated damages calculated at the rate of **1 (one) % of the contract value per week of delay or part there of subject to a**

maximum of 10 (ten) % of the contract value, for the period between the date for Contractual Completion and the Date of Actual Completion, as certified by the EIC.

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

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

Agency will be responsible for the structural soundness of the cable trench for a minimum period of 5 years.

In case any defect noticed during this period, suitable deduction/recovery shall be made from the running contract of the agency or the agency shall submit a bank guarantee equivalent to 5% of the total contract value, and will be released after completion of 5 years from date of completion.

14.0) EXTENSION OF TIME LIMIT & TIME OVER RUN:

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

15.0) RELEASE OF INFORMATION AND CONFIDENTIALITY:

The Contractor shall not communicate or use in advertising, publicity, sales release or in any medium photograph or reproduction of the works under this contract, or description of the site, dimensions, quantity or any other information concerning the works unless prior written permission is obtained by Company. The Contractor shall keep all the information obtained directly or indirectly through appointment of this contract confidential and shall not reveal the same to any other party without the prior written permission of the Company. The technical information, drawing and other related documents forming part of order and the information obtained during the course of execution under this order shall be the Company's exclusive property and shall not be used for any other purpose except for the execution of the order. The technical information drawing, records and other document shall not be copied, transferred, or divulged and/or disclosed to third party in full/part, not misused in any form whatsoever except to the extent for the execution of this order. This technical information, drawing and other related documents shall be returned to the Company with all approved copies and duplicates including drawing/plans as are prepared by the Contractor during the

executions of this order, if any, immediately after they have been used for agreed purpose.

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

16.0) SITE REPRESENTATIVE, SITE SUPERVISION AND ADVANCE INTIMATION:

The Contractor shall have to appoint and authorize a Site In Charge/ Project Manager (PM) along with its project team, who shall be available always at site till the completion of the contract as certified by the Company's Engineer In Charge (EIC).

- 16.2) The Contractor shall be responsible for supervising the works by employing competent and experienced engineers and support teams to inspect the work and check the quality of work to ensure that the work is carried out in accordance with the drawings, specifications and instructions of the EIC. Such inspection and supervision shall not relieve the Contractor from any of his obligations towards use of material, workmanship, sequence of working and completion of project as per the stipulated period.
- 16.3) On receipt of the LOI or Work Order whichever is earlier the Contractor shall furnish to the Company, for approval, the proposed site setup with list of Engineers, Supervisors and other staff to be deployed by him with their dates of joining.
- 16.4) The Contractor's Project Manager shall obtain the written approval and instructions from the EIC prior to commencement of any works at site. The PM shall give written advance intimation for approval of all activities including deployment of resources, procurement of materials, concrete pours etc., shall be given to EIC by PM.

17.0) AWARD / SUBLETTING OF CONTRACT:

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

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

18.0) SITE LOCATION:

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

19.0) SAFETY REGULATIONS:

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

20.0) CO-ORDINATION WITH OTHER AGENCIES:

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

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

21.0) MAINTENANCE OF WORK:

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

22.0) TESTING OF MATERIALS:

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

23.0) STATUTORY OBLIGATIONS:

The Contractor shall take all steps as may be necessary to comply with the various applicable laws/rules including the provisions of contract labour (Regulation & Abolition Act) 1970 as amended, Minimum wages Act, 1984, Workman Compensation Act, ESI Act, PF Act, Bonus Act and all other applicable laws and rules framed there under including any statutory approval required from the Central/State Governments, Ministry of Labour. Broadly, contractor is liable for registration of the construction workers (Regulation of Employment and condition for service) Act, 1996 and the rules framed these under with the Delhi Building and other construction workers welfare board, the compliance shall be as detailed in **ANNEXURE I** enclosed.

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

The contractor should follow all statutory compliance and in event of non compliance of any of the statutory requirement under various labour laws as stipulated in this work order/contract by agency, the BYPL shall be entitled to terminate the contract without any further notice, if non compliance is not rectified with in 30 days and if the statutory authorities demanded from BYPL to pay any amount then the contractor is liable to reimburse such amount to BYPL along with damages of 20% which is genuine pre estimate of costs/damages incurred by BYPL on account of loss of reputation and business, the resources/costs spent in defending litigation, prosecution being the Principal Employer due to non compliance of statutory compliances by the contractor etc. within 10 days from the written communication from BYPL.

24.0) MEASUREMENT OF WORK:

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

25.0) GENERAL CONDITIONS:

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

26.0) INSURANCE:

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

26.1) WORKMEN COMPENSATION:

The Contractor shall take insurance policy under the Workman Compensation Act to cover such workers, who are not covered under ESI and PF by the Contractor however engaged to undertake the jobs covered under this order and a copy of this insurance policy will be given to Engineer-In-Charge. This insurance policy shall be kept valid at all times. In case there are no workers involved 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 and as amended from time to time or any compensation payable under any other law for the time being workman engaged by the Contractor/sub-Contractor/sub-agent in carrying out the job involved under this order 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 any money due to or to become due to the Contractor, money 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.

26.2) THIRD PARTY INSURANCE

Before commencing the execution of the work the Contractor shall insure against any damage or loss or injury which may occur to any property or to any person or any employee or representative of any outside Agency/Company engaged or not engaged for the work of the Company, by or arising out the execution of the permanent work or temporary work or in carrying out of this work order.

27.0) TERMINATION OF CONTRACT:

If in case the Contractor;

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

For the purpose of this Sub-clause

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

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

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

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

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

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

28.0) SETTLEMENT OF DISPUTES/ ARBITRATION:

28.1) to the best of their ability, the parties hereto shall endeavor to resolve amicably between themselves all disputes arising in connection with this work order. If the same remain unresolved within thirty (30) days of the matter being raised by either party, either party may refer the dispute for settlement by arbitration. The arbitration to be undertaken by two arbitrators, one each to be appointed by either party. The arbitrators appointed by both the parties shall mutually nominate a person to act as umpire before entering upon the reference in the event of a difference between the two arbitrators and the award of the said umpire in such a contingency shall be final and binding upon the parties. The arbitration proceeding shall be conducted in accordance with this provisions of the Indian Arbitration & Conciliation Act, 1996 and the venue of such arbitration shall be city of New Delhi/Delhi only.

29.0) QUANTITIES IN THE BOQ:

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

30.0) VARIATIONS AND EXTRA ITEMS

30.1) The Contractor shall carry out and complete the works in every respect in accordance with this Contract and In accordance with the directions and to the satisfaction of the Engineer in charge.

30.2) The Engineer In Charge may, at his discretion, from time to time, issue further drawings and/ or written instructions, details, directions and explanations which are herein after referred to as "EIC's Instructions" in regard to:

- a) The variation or modification of the design, quality, specification or quantity of works or the omission or substitution of any work.
- b) The timing or sequencing of work.

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

- (ii) In case similar items are not available in the tender, then rates shall be worked out as per the following:
- a) The direct cost of labour including indirect charges thereon. The labour components shall be computed wherever possible from the related BIS Codes and the quantity of materials to be based on consumption factor as per standard norms or as accepted by the EIC.
 - b) The material cost inclusive of taxes, levies, fees, duties etc. as delivered to the site. Proof of cost in form of an invoice to be submitted along with the extra work claim along with other working documents.
 - c) The Plant & Equipment cost inclusive of hire charges of plant & equipment and operational charges as per standard norms or as accepted by the EIC.
 - d) In addition the Contractor shall be entitled to payment towards overheads and profit.
- 30.8) In cases where the items of works are not accepted as complete, or not fully in accordance with the Specification, the Engineer in Charge shall make payments of such items at such reduced rates, as he may consider reasonable in approval of Interim Bills and the Final Bill.
- 30.9) In all cases the Contractor shall furnish detailed Rate Analysis along with necessary details as and when required by the Engineer in Charge. The Engineer in Charge on establishing the validity of such claims shall certify the amount payable for such work and rates so determined shall be final and binding on the Contractor.
- 30.10) The quantities of the various kinds of work to be done and materials to be furnished under this Contract as listed in the Bill of Quantities are estimated and approximate only and shall be subject to re-measurement upon completion. The Contractor shall make no claim for anticipated profits, for loss of profits or for damages because no work is ordered under certain items or because of a difference between the quantities of the various kinds of work to be done or materials actually delivered and the estimated quantities set forth in the Bill of Quantities.
- 30.11) The rate/ prices quoted by the Contractor in the Bills of Quantities shall be firm irrespective of any variation in the quantities of individual items of work and / or in the Total Contract Sum.

31.0) EXECUTION OF ADDITIONAL WORKS

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

32.0) FORCE MAJEURE

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

period equal to the duration of the relevant circumstances provided that :

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

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

Not withstanding the above if the Force Majeure continues for a period of three months or more in that event without prejudice to the rights of the parties, the Company shall have the right thereafter to terminate this contract.

33.0) INDEMNITY:

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

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

34.0) ENVIRONMENTAL, HEALTH & SAFETY PLAN:

Contractor will ensure that the Environment, Health & Safety (EHS) requirements are clearly understood and faithfully implemented at all levels at site as per instruction of Company.

Contractors must comply with these requirements:

- a) Comply with all of the elements of the EHS Plan and any regulations applicable to the work.

- b) Comply with the procedures provided in the interests of Environment, Health and Safety.
- c) Ensure that all of their employees designated to work are properly trained and competent.
- d) Ensure that all plant and equipment they bring on to site has been inspected and serviced in accordance with legal requirement and manufacturer's or suppliers' instructions.
- e) Make arrangements to ensure that all employees designated to work on or visit the site present themselves for site 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 Contractor/workers are accountable for the following:

1. Use the correct tools and equipment for the job and use safety equipment and protective clothing supplied, e.g. helmets, goggles, ear protection, etc. as instructed.
2. Keep tools in good condition.
3. Report to the Supervisor any unsafe or unhealthy condition or any defects in plant or equipment.
4. Develop a concern for safety for themselves and for others.
5. Prohibit horseplay.
6. Not to operate any item of plant unless they have been specifically trained and are authorized to do so.

35.0) SECRECY CLAUSE:

The technical information, drawing and other related documents forming part of order and the information obtained during the course of execution under this order shall be the Company's exclusive property and shall not be used for any other purpose except for the execution of the order. The technical information drawing, records and other document shall not be copied, transferred, or divulged and/or disclosed to third party in full/part, not misused in any form whatsoever except to the extent for the execution of this order.

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

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

36.0) ACCEPTANCE:

Vendor confirms to have gone through the Policy of BYPL on legal and ethical code required to be followed by vendors encapsulated in the "Vendor Code of Conduct" displayed on the official website of BYPL (www.bsesdelhi.com) also, which shall be treated as a part of the contract/PO/WO.

Vendor 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/PO/WO. In event of any such breach, irrespective of whether it causes any loss/damage, Purchaser (BYPL) shall have the right to recover loss/damage from Vendor.

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

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

"I hereby confirm to follow and comply all the applicable statutory compliances of Minimum wages, PF, ESI, Bonus, Leave, insurance etc."

Annexure - I

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

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

The Contractor must follow:

- a) Third party Insurance Policy before start of work.
- b) To follow Minimum Wages Act prevailing in the state.
- c) The Delhi Building and other Construction Worker (Regulation of Employment and Conditions of Services) Rules 2002(B.O.C.W.)
- d) To maintain Wage-cum-Attendance Register.
- e) To maintain First Aid Box at Site.
- f) Latest P.F. and E.S.I. challans pertaining to the period in which work was undertaken along with a certificate mentioning that P.F. and E.S.I. applicable to all the employees has been deducted and deposited with the Authorities within the time Limits specified under the respective Acts.
- g) Workman Compensation Policy. (If applicable)
- h) Labour license before start of work. (If applicable).

Annexure - II
BID FORM

To

Head of Department
Contracts & Material Deptt
BSES Yamuna Power Ltd
3rd Floor, A Block
Shakti kiran Building, Karkardooma
Delhi 110032

Sir,

We understand that BYPL is desirous of carrying out extension of bay, yard development, switch gear room with galvanized structures at 66kv grid s/stn Old Kondli MVR-III, East of Loni, Dilshad Garden & Sonia Vihar KWN in it's licensed distribution network area in Delhi.

1. Having examined the Bidding Documents for the above named works, we the undersigned, offer to provide our services in full conformity with the term and conditions and technical specifications for the sum as per price bid or such other sums as may be determined in accordance with the terms and conditions of the contract .The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.
2. If our Bid is accepted, we undertake to provide our services as per completion schedule mentioned in the tender document from the date of award of work order/letter of intent.
3. If our Bid is accepted, we will furnish a performance bank guarantee for due performance of the Contract in accordance with the Terms and Conditions.
4. We agree to abide by this Bid for a period of 90 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..... 2019

Signature..... In the capacity of

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

(IN BLOCK CAPITALS).....

Annexure - III

FORMAT FOR EMD BANK GUARANTEE

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

Whereas [*name of the Bidder*] (herein after called the "Bidder") has submitted its bid dated [*date of submission of bid*] for the carrying out of [*name and/or description of the Job*] (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 Yamuna Power Ltd., with its Corporate Office at BSES Shakti Kiran Building, Karkardooma, Delhi -110032, (herein after called —the "Purchaser")in the sum of Rs./- (Rupeesonly) 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 _____ 2019

THE CONDITIONS of this obligation are:

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

We undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that is its demand the purchaser will note that amount claimed by it is due to it, owing to the occurrence of one or both of the two condition(s), specifying the occurred condition or condition(s).

This guarantee will remain in force up to and including Ninety (90) days after the due date of submission bid, and any demand in respect thereof should reach the Bank not later than the above date.

Beneficiary's bank detail with IFSC Code:

1. Name of the Bank: Axis Bank Limited
2. Branch Name & Full Address: C-58, Basement & GroundFloor, Preet Vihar, Main Vikas Marg, New Delhi 110092
3. Branch Code: 055
4. Bank Account No: 911020005246567
5. IFSC Code: UTIB0000055

(Stamp & signature of the bank)

Annexure - IV

Safety Clauses as per direction of Head(Safety) BYPL

1.00 All contractors have to observe safety day/ week on 4th March to 10th march every year with proper planning and record to create safety awareness inside their organization. A detail report of observing the same to be forwarded to safety department every year.

2.00 Guidelines for Penalty Policy Implementation

2.1 Penalty for not following SOP already circulated.

A penalty of Rs. 500/- shall be levied on contractor for not following SOP and creating unsafe condition at work place.

2.2 Penalty for Misconduct:

2.2.1) A penalty of Rs. 10000.00 shall be levied on contractor for the first incident of misconduct.

2.2.2) A penalty of Rs. 25000.00 shall be levied on contractor for the second incident of misconduct.

2.2.3) A penalty of Rs. 50000.00 shall be levied on contractor for the third incident of misconduct & termination of the contractor.

2.2.4) Depending upon the level of mal practice, Engineer In-Charge/Head (Civil) can take decision which will have on report of misconduct, the matter will be scrutinized at appropriate level and the complaint found genuine above Penalties shall be applicable.

2.3 Penalty Policy on Safety Violation

Class / Type of Offense / Penalty Detail / Execution Channel

2.3.1 Not Wearing Safety Helmets Safety boots/ Safety Goggles / Electrical insulating hand Gloves (Poor quality or damaged item means noncompliance)

First Offence - Warning Note & Rs.2000/-

Second Offence - Warning Note & Fine of Rs.5000/-

Third Offence- Note of recommendation of the concerned workmen / supervisors /agency for termination of his job & Fine of Rs.15000/-

Recommendation by OHS-Representative/ EIC/Head (Civil).

Approval by Safety Head, Deduction by Finance & Account

2.3.2. Not wearing Full Body Harness/fall arresters while working at a height more than 1.8 meter or wherefrom a person may fall. Not using Safety Net to arrest falling objects and personnel. (Poor quality or damaged item means noncompliance)

First Offence -Warning Note & Fine of Rs.5000/-

Second Offence - Warning Note for dismissal and a Fine of Rs.10000/-

Third Offense - Action for the concerned workman/ supervisor/agency for termination of his job and a fine of Rs.25000/-

Recommendation by OHS-Representative/ /EIC/Head(Civil),

Approval by Safety Head, Deduction by Finance & Account

2.3.3 Not wearing Electrical Gloves/Electrical Safety boots/ Not using electrically safe tools and equipments. (Poor quality or damaged item means noncompliance)

- # First Offence - Warning Note & Fine of Rs.5000/-
- # Second Offence - Warning Note for dismissal and a Fine of Rs.10000/-
- # Third Offence - Action for the concerned workman/supervisor for termination of his job and a fine of Rs.25000/-

Recommendation by OHS-Representative/EIC/Head (Civil),
Approval by Safety Head, Deduction by Finance & Account

2.3.4. Any other unsafe work practices or condition which is considered having potential for fatality or injury to personnel.

- # First Offence - Warning Note & Fine of Rs.10000/-
- # Second Offence - Action for the concerned workmen/ supervisors for termination of his job and fine of Rs.20000/-.

Recommendation by OHS-Representative/EIC/Head (Civil)
Approval by Safety Head, Deduction by Finance & Account

Notes:

If there are 03 violations by an individual employee / supervisor of the vendor, services will be terminated.

If there are 10 violations in one quarter, will be recommended for termination of contract order.

1. Total penalty shall be calculated by multiplying the number of safety violations and the penalty amount specified for such violations. (Example - If at first offence 3 persons are found working without safety helmet, the penalty would be $3 \times 2000 = \text{Rs.}6000/-$)

2. The amount of penalty can be increased or decreased based upon the seriousness of safety violations. The decision of recommending authority shall be final one.

3. Recommending authority shall fill the Annexure #1 based upon his factual observations and shall send it to / EIC/Head(civil) and Safety Head who in turn shall either reject or approve it. If approved, he shall send it to Finance & Accounts for execution. Finance Accounts shall execute the penalty and confirm the same in the Annexure & shall send it back to EIC/Head(Civil) and Safety Head.

4. Recommending Authority means all, EIC, HODs, Site Safety officer / Supervisor, representatives from EHS and other personnel authorized jointly by O&M / Civil.

5. EIC/Head(Civil), and Safety Head may impose penalty for serious violations directly.

6. All penalties shall be imposed directly on the concerned contractors.No penalty shall be imposed on individuals.

7. Safety violations to be considered for Penalty are classified as A, B & C.

ANNEXURE-V

BSES YAMUNA POWER LIMITED
(Name of Site)
Safety Appreciation / Violation Memo

DIVISION/Area: -----

Date & Time: -----

Name of Contractor: -----

Activity: -----

Name of EIC: -----

Appreciation/Penalty Memo#:

S.N	Safety Violation Details	Class (A/B/C)	No. of Violations	Penalty per Violation (Rs)	Penalty Amount (Rs)	Remarks
1						
2						
3						
4						
5						

Safety Appreciation/Violation Note:

Recommended By: Name: ----- Designation: ----- Sign/Date: -----

Approved By (EIC): Name: ----- Designation: ----- Sign/Date: -----

ANNEXURE-VI

BSES YAMUNA POWER LIMITED
(Name of Site)

Monthly Status of PPE's / Tool Kit

Location/Area: -----

Date & Time: -----

Name of Contractor: -----

No of Labourers

Status of PPE's

S.N	Name of PPEs / Tool (if applicable)	No. Of PPEs	Condition	Remarks
1	Safety Helmet			
2	Safety Goggle			
3	Electrical Insulating Hand gloves			
4	Full Body Harness			
5	Safety Shoes			
6	Reflective Jacket			

Signature / Date #####.

ANNEXURE-VII

BSES YAMUNA POWER LIMITED
(Name of Site)

Monthly Status - Accident / Incident

Location/Area: -----

Date & Time: -----

Name of Contractor: -----

Table - 1: Summary of Accident /Incident / Near Miss / Dangerous Occurrences / First Aid:

S.N /Dangerous	Type of Accident /Incident Occurrences / First Aid	Person Injured Brief Description	Brief /Near	Miss
1				
2				
3				
4				

Table - 2: Learning from Incidents:

S.N	Brief Description	Root Cause	Recommendation
1			
2			
3			
4			

Table - 3: Summary of Person Injured:

S.N	Name of Employee Emp. ID / Designation /PF no/ESI no	Type of Injury	Duration of Medical Rest From : To
1			
2			
3			
4			

Table - 3 : Safety Inspections / Violation

S. No.	Date	Location	Discrepancies	Compliance
1				
2				
3				
4				

Table - 4 : Health & Safety Complaints & Sugesstions :

S. No.	Date	Location	Complaints / Sugestion
1			
2			
3			
4			

Measures to avoid recurrences for all above mentioned discrepancies (Attach relevant documents if required)

Signature / Date #####.

ANNEXURE-VIII

BSES YAMUNA POWER LIMITED
(Name of Site)

Format - PPE's Receipt by workers

Division:

Name of Contractor:

S.NO.	NAME	DESI.	Safety Helmet	Electrical Insulating Hand gloves
			Full Body Harness Reflective Jacket	Safety Shoes SIGNATURE
1				
2				
3				
4				

Signature of Contractor / Date#####.

ANNEXURE-IX

QUALITY OF SAFETY TOOLS

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

1. Electric Shock Resistant Sole
2. Impact Resistant
3. Scrap/Heat Resistant
4. Slip Resistant
5. Oil and Acid Resistant

Lead MAKE: BATA/LIBERTY

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

V-GARD HDPE Yellow With 4 Point Fast Trac Ratchet Suspension

Shell Material UV stabilise HDPE, Non vented

Suspension " With 4 Point Fas Trac Ratchet Suspension sewn headband

" Textile straps made from polyester Suspension

" point fixing: good positioning, ...stability, better air circulation due to ...limited contact areas with the head

" Easy clean sweatband

Size 52-62 cm

Accessory slot Standard 30 mm with removable HDPE dead plugs suitable to leak proof fitting

Approvals ANSI/ IEC Z89.1 Class E (electrical)

Additional Low temperature -10°C (acc. to GB2811), High temperature +50°C

Colours Yellow

weight 360 g

Lead MAKE: 3M / KARAM/Honeywell

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

Anchorage Adjustable two chest attachment D-rings and A dorsal attachment D-ring

Adaptability Adjustable shoulder and thigh straps

Convenience Shoulder and thigh straps differentiated by a dual colour scheme.

Ergonomics Ideally. Positioned sit strap for extended comfort.

Size Standard

weight 1200GMS

ENERGY ABSORBING FORKED LANYARDS :

Spec. 44mm wide polyamide webbing.

Length 1.5 Meter

4) Safety Spectacles - Shall be used to protect workers eyes from foreign materials and flying particles. Mandatory for all personnel working at BYPL O&M. Safety goggles shall meet the following feature

1. Poly carbonate/ Acetate lens for special applications requiring superior chemical resistance.
2. Industrial version of tough and popular first responder goggles.
3. SoftFlex low profile frosted frame for increased comfort.

4. Comfortable headband with length adjustment.
5. Indirect venting for comfortable, long lasting wear can be worn with safety helmets and over prescription spectacles.
6. Sightgard + premium anti-fog coating (EN 166 "N") with good anti- scratch properties.

Technical Specification:

Weight 95g.

Lens thickness 1.0mm

Overall width 173mm

Overall length 90mm

Bridge 47.6mm

Lens base 5.5 curve

Lens size 86.1mm verticle, 174mm diagonal

Headband Adjustable length at max.440mm(long enough to fit together with helmets)

Material & colours

Lens Acetate clear, coating, Sightgard + anti-fog according to EN 166 "N" & anti scratch.

Body PVC smoke

Headband holder Nylone

Headband Adustable grey elastic fixed on frame side parts

Marking / Approvals

Standard number EN 166

Frame marking MSA EN 166 34-FT CE

Lens marking 2C-1.2 MSA 1 FT N CE

Filter class 2C (Ultra violet radiation with enhanced colour recognition)

Scale number 1.2: luminous trasmittance-89%

Optical class 1 (best class, for permanent wear)

Mechanical resistance F (low energy impact 45m/s) T (at extreme temperature -5 to +550 C)

Resistance to N(distorted vision due to lens fogging)

UV filter99.9%

Ordering information 10145578-FlexiChem Sightgard + clear , 6x

Lead MAKE: MSA / UVEX/ 3M

- 5) Electrical Insulating Hand Gloves - Shall be used to prevent electric shock based upon the hazards/risks involved in a particular activity. Safety goggles shall meet the following feature
Breakthrough manufacturing process delivers exception dry grip.
Soft and flexible for enhanced tactility, high dexterity and wearer comfort.
Ergonomic design featuring tapered fingers to reduce hand fatigue.
Relaxed wrist for easy on/off.

Length 360mm

Class 2

Thickness 3.6mm

Proof test voltage 20000

Maximum use voltage 11000

Tensile strength>16mpa[Mega Pascal]

Puncture resistance >18N/mm [Newton per mili meter]

Elongation at break >600% [Stretching length]

Tension set <15%

It should be resist to oil, acid, ultra violet rays and very low temperature.

Each pair of glove should be marked with class, category, month & year of manufacturing, CE logo, batch no. and certified laboratory no.

EN certified to electrical and thermal hazards,

EN certified to thermal & electrical hazards to confirm EN 60-903,

EN certified to mechanical hazard to EN-388

Lead MAKE: Honeywell / ANSELL

6) Reflective Safety Jacket - Class -2 Safety Vest mandatory for all personnel working at BYPL O&M. Shall be used by the worker during the work.

7) Warning Tapes - HDPE or LDPE Made of 50 micron thick, non adhesive, width 75mm -Safety Logo embossed at every foot with white and red strips on both sides in Tubular form - Shall be used for barricading area around excavated pit to warn the personnel not to enter in such areas. The same will be provided by BYPL

8) Road barricading cone with barricading tape - Shall be used by the worker during the operation / maintenance work. The same will be provided by BYPL.

9) Arc Protection Suit - shall be used by the worker for all HT/ EHV related works, The same will be providing by BYPL

SECTION-IV: BILL OF QUANTITY/PRICE FORMAT

NAME OF WORK :- Extension of bay ,yard development,Switch gear room and yard development with galvanized structures at 66 kv grid s/stn. Old Kondli(MVR III),Dilshad Garden, Loni Road & Karawal Nagar in BYPL

S.NO.	DESCRIPTION OF ITEMS	UNIT	Total Qty	Rates	AMOUNT
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed : All kinds of soil.	Sqm	200		
2	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	CUM	750		
3	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil. as directed, within a lead of 50 m. All kinds of soil.	Cum	2825		
4	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level 1:4:8 (1 Cement : 4 Coarse Sand : 8 Graded stone agg. 40 mm nominal size)	CUM	464		
5	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns.	SQM	1520		
6	Centring and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets , kerbs and step etc.	SQM	1015		
7	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	SQM	315		
8	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	SQM	95		
9	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	SQM	20		
10	Centering and shuttering including strutting, propping etc. and removal of form for : Weather shade, Chajjas, corbels etc., including edges	SQM	5		
11	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level-1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	CUM	606		
12	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement. : 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	CUM	190		
13	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	CUM	30		
14	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. cold twisted bars	KG	66000		
15	Making pocket in RCC/cement concrete by using of steel/wooden box and removing the same after hardening of cement concrete of size: 0.30x0.30x0.45 mtr.	Ea	206		

S.NO.	DESCRIPTION OF ITEMS	UNIT	Total Qty	Rates	AMOUNT
16	Making pocket in RCC/cement concrete by using of steel/wooden box and removing the same after hardening of cement concrete of size: 0.15x0.15x0.45 mtr.	Ea	176		
17	Making pocket in RCC/cement concrete by using of steel/wooden box and removing the same after hardening of cement concrete of size: 0.45x0.45x1.50 mtr.	Ea	106		
18	Cement plaster 1:3 (1Cement : 3 Coarse sand) finished with a float of neat cement: 12 mm cement plaster	Sqm	1140		
19	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum	80		
20	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	531		
21	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	CUM	95		
22	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	610		
23	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	580		
24	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	Sqm	1030		
25	Collecting the spreaded stone grit from yard, stacking at suitable places & relaying the same after proper screening/cleaning twice on the specified area of yard as per direction of engineer in charge	Cum	695		
26	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	2700		
27	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade two or more coats on new work	Sqm	250		
28	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work	Sqm	550		
29	Painting with aluminium paint of approved brand and manufacture to give an even shade. Two or more coats on new work	Sqm	200		
30	Supplying and stacking of good earth at site including royalty and carriage for all leads & lifts (earth measured in stacks will be reduced by 20% for payment).	Cum	600		
31	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	CUM	150		
32	Supply, precast RCC trench cover of various size varying 1500 mm in length, 450 mm in width & 50 mm in thickness, with 1 mm thick 50mm wide, ms strip all around welded to the steel reinforcement bar of 6mm dia, 100 mm centre to centre & two no. hooks of 12 mm dia bar for lifting gaving finishing top surface & grade of cement concrete M-30.	Sqm	80		
33	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared	Sqm	200		
34	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level 1:5:10 (1 Cement :5 Coarse Sand :10 Graded stone agg. 40 mm nominal size)	Cum	200		
35	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level 1:2:4 (1 Cement : 2 Coarse Sand : 4 Graded stone agg. 20 mm nominal size)	Cum	113		
36	Supplying and spreading uniformly in yard of grid s/stn. blue stone aggregate 20 mm single size of good quality i/c loading, unloading for all leads & lifts complete. as per direction of Engineer in charge.	Cum	1021		

S.NO.	DESCRIPTION OF ITEMS	UNIT	Total Qty	Rates	AMOUNT
37	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	3100		
38	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	9700		
39	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc.as required.- In gratings, frames, guard bar, ladder, railings, brackets, gates & similar works.	Kg	5100		
40	Structural steel work welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete: Using ISMB, heavy section of angle and channel for truss, supporting structures.	Kg	1620		
41	Steel work in built up tubular (round, square or rectangular hollow tubes etc. trusses etc. Including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc complete : hot finished welded type tube	Kg	1500		
42	Providing/fixing by welding (IRC fabric) welded mesh of size 25x75 mm of weight not less than 7.75 kg/ sqm to the frame of MS angles, tees, etc. including priming coat of approved brand.	Kg	2300		
43	Providing and fixing M.S. Sheet of required thickness to M.S frames by welding. (The cost includes the cost of M.S. sheet, cutting, straightening, labour, cartage, welding rods, hire charges of welding machine etc. complete) as per direction of Engineer-In-Charge.	Kg	300		
44	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm	sqm	45		
45	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete : Red sand stone slab 40 to 50 mm thick	sqm	25		
46	Providing and fixing in cement mortar 1:6 (1 cement : 6 coarse sand) red sand stone slabs 30 mm thick over 20 mm thick cement mortar 1:4 (1cement : coarse sand)	sqm	1910		
47	Providing and fixing M.S. Hinges made out of 40x40 mm sq bar including drilling holes & making rod of size 10 mm so that the movement is free when inserted and welding the same to the posts and door frame complete as required.	Pair	4		
48	Providing and fixing by welding 65 mm size M.S. Hinges made out of 5mm thick M.S. sheet i/c nuts, bolts etc. complete to M.S. angles/channels as approved by Engineer-In-Charge . The cost is inclusive of material, cartage, welding etc. complete job.	Each	56		
49	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 250 mm dia RCC pipe	mtr	175		
50	Providing and fixing bolts including nuts and washers complete	Kg	370		

S.NO.	DESCRIPTION OF ITEMS	UNIT	Total Qty	Rates	AMOUNT
51	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations. (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over 20 mm thick layer of cement mortar of mix 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1cement :4coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge. With average thickness of 120 mm and minimum thickness at khurra as 65 mm	Sqm	150		
52	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate of 10 mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design : In 75 x75 mm deep chase	Mtr	125		
53	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mx 1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	Ea	8		
54	Providing and fixing 60 cm long PVC rain water spout in proper line and level in cement mortar 1:4 (1 cement : 4 fine sand) in the existing khurra level, dismantling wall/ pipe and making hole of required size for fixing of pipe, filling CC 1:3:6 (1cement :3 coarse sand : 6 graded stone aggregate 20mm nominal size) between wall and pipe, plastering both sides of walls with cement mortar 1:4 (1 cement :4 fine sand)and making the pipe joint leak proof. (PVC pipe should be of Prakash or equivalent make) 150 mm dia.	Ea	8		
55	Welding by gas or electric plant including transportation of plant at site etc. complete	Cm	18000		
56	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 25 mm thick with 20 mm nominal size stone aggregate	Sqm	100		
57	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 12.5 mm nominal size stone aggregate	Sqm	50		
58	40mm thick fine dressed stone flooring over 20mm (average)thick base of cement mortar 1:5(1cement:5coarse sand)with joints finished red stone sand	Sqm	1600		

S.NO.	DESCRIPTION OF ITEMS	UNIT	Total Qty	Rates	AMOUNT
59	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	2065		
60	Supply and fabrication of galvanised ms structures (sail/tata) or equivalent) as per app. drawing specifications ,terms & conditions and complete with contractors own steel i/c services and supply at site of work	kg	38300		
61	Supply of galvanised (GKW) ms nuts and bolts washers of required size of approved specification etc.	kg	3100		
62	Erection of galvanised ms steel structure for 66 kv yard as per approved drawing specifications term and conditions etc. complete i/c transportation, stacking etc. complete	KG	9200		
63	Providing and fixing in position precast R.C.C. manhole cover and frame of required shape and approved quality. L D- 2.5 Rectangular shape 600x450 mm internal dimensions	Ea	2		
64	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 40 mm dia Nominal Bore	mtr	40		
65	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:4 (1 cement : 4 fine sand)	Sqm	50		
66	Neat cement punning	Sqm	480		
67	P/F MS chequered plate i/c cutting, straightening, rounding of edges, making lifting arrangement & fixing by welding to M.S angle frame etc.	Kg	1700		
68	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	Cum	2		
69	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete : 1:4:8 or leaner mix (i/c equivalent design mix)	Cum	42		
70	Demolishing R.C.C. work manually /by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.	Cum	15		
71	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Ea	2		
72	Demolishing brick work manually /by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.: In cement mortar	Cum	34		
73	Demolishing flat brick flooring in cement mortar including stacking the serviceable material and disposal of unserviceable material within 50 m lead	sqm	420		
74	White washing with lime to give an even shade : New work (Three or more coat)	Sqm	100		
75	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @2.20kg/10 sqm).	Sqm	1700		
76	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume with which hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	50		

S.NO.	DESCRIPTION OF ITEMS	UNIT	Total Qty	Rates	AMOUNT
77	Providing and fixing glass strips in joints of terrazo/cement concrete floors. - 40 mm wide and 4 mm thick.	Mtr	20		
78	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top	Sqm	10		
79	Fixing chowkhat in existing opening including embedding chowkhats in floor or walls cutting masonry for holdfast, embedding hold fast in cement concrete blocks of size 15x10x10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhat and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground within 50 metre lead: Door Chowkats	Ea	2		
80	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved	Cum	1905		
81	Recovery on account of serviceable bricks	Ea	500		
82	POINT WIRING IN PVC CONDUIT, WITH MODULAR TYPE SWITCH : WIRING FOR LIGHT POINT! FAN POINT! EXHAUST FAN POINT! CALL BELL POINT WITH 1.5 SQ.MM FR PVC INSULATED COPPER CONDUCTOR SINGLE CORE CABLE IN SURFACE / RECESSED PVC CONDUIT, WITH MODULAR SWITCH, MODULAR PLATE , SUITABLE GI BOX AND EARTHING THE POINT WITH 1.5 SQMM FR PVC INSULATED COPPER CONDUCTOR SINGLE CORE CABLE ETC. AS REQUIRED - GROUP A	PNT	10		
83	POINT WIRING IN PVC CONDUIT, WITH MODULAR TYPE SWITCH : WIRING FOR LIGHT POINT! FAN POINT! EXHAUST FAN POINT! CALL BELL POINT WITH 1.5 SQ.MM FR PVC INSULATED COPPER CONDUCTOR SINGLE CORE CABLE IN SURFACE / RECESSED PVC CONDUIT, WITH MODULAR SWITCH, MODULAR PLATE, SUTIALBE GI BOX AND EARTHING THE POINT WITH 1.5 SQMM FR PVC INSULATED COPPER CONDUCTER SINGLE CORE CABLE ETC. AS REQUIRED - GROUP B	PNT	10		
84	POINT WIRING IN PVC CONDUIT, WITH MODULAR TYPE SWITCH : WIRING FOR LIGHT POINT! FAN POINT! EXHAUST FAN POINT! CALL BELL POINT WITH 1.5 SQ.MM FR PVC INSULATED COPPER CONDUCTOR SINGLE CORE CABLE IN SURFACE / RECESSED PVC CONDUIT, WITH MODULAR SWITCH, MODULAR PLATE , SUTIALBE GI BOX AND EARTHING THE POINT WITH 1.5 SQMM FR PVC INSULATED COPPER CONDUCTOR SINGLE CORE CABLE ETC. AS REQUIRED - GROUP C	PNT	60		
85	CIRCUIT / SUB-MAIN WIRING IN PVC CONDUIT : WIRING FOR CIRCUIT SUBMAIN WIRING ALONGWITH EARTH WIRE WITH THE FOLLOWING SIZES OF PVC INSULATED COPPER CONDUCTOR, SINGLE CORE CABLE IN SURFACE/ RECESSED PVC CONDUIT AS REQUIRED - 2 X 2.5 SQ. MM + 1 X 2.5 SQ. MM EARTH WIRE .	M	300		
86	CIRCUIT! SUB-MAIN WIRING IN PVC CONDUIT : WIRING FOR CIRCUIT SUBMAIN WIRING ALONGWITH EARTH WIRE WITH THE FOLLOWING SIZES OF PVC INSULATED COPPER CONDUCTOR, SINGLE CORE CABLE IN SURFACE/ RECESSED PVC CONDUIT AS REQUIRED - 2 X 4 SQ. MM + 1 X 4 SQ. MM EARTH WIRE	M	200		
87	CIRCUIT! SUB-MAIN WIRING IN PVC CONDUIT : WIRING FOR CIRCUIT SUBMAIN WIRING ALONGWITH EARTH WIRE WITH THE FOLLOWING SIZES OF PVC INSULATED COPPER CONDUCTOR, SINGLE CORE CABLE IN SURFACE/ RECESSED PVC CONDUIT AS REQUIRED - 2 X 6 SQ. MM + 1 X 6 SQ. MM EARTH WIRE	M	30		

S.NO.	DESCRIPTION OF ITEMS	UNIT	Total Qty	Rates	AMOUNT
88	S / F LIGHT PLUG POINT MODULAR TYPE ACCESSORIES : SUPPLYING AND .FIXING SUITABLE SIZE GL BOX WITH MODULAR PLATE AND COVER IN FRONT ON SURFACE OR IN RECESS, INCLUDING PROVIDING AND FIXING 3 PIN 5/6 AMPS MODULAR SOCKET OUTLET AND 5/6 AMPS MODULAR SWITCH, CONNECTION . PAINTING ETC. AS REQUIRED . (FOR LIGHT PLUGS TO BE USED IN NON RESIDENTIAL BUILDINGS).	EA	21		
89	S / F POWER PLUG POINT MODULAR TYPE ACCESSORIES : SUPPLYING AND FIXING SUITABLE SIZE GI BOX WITH MODULAR PLATE AND COVER IN FRONT ON SURFACE OR IN RECESS, INCLUDING PROVIDING AND .FIXING 6 PIN 15 / 16 & 5 / 6 AMPS MODULAR SOCKET OUTLET AND 15 / 16 AMPS MODULAR SWICH, CONNECTION PAINTING ETC. AS REQUIRED .	EA	27		
90	S/F BRASSHOLDER ; SUPPLYING AND FIXING BRASS BATTEN / ANGLE HOLDER INCLUDING CONNECTION ETC. AS REQUIRED	EA	6		
91	S / F VERTICAL TYPE TP MCB DB : SUPPLYING, INSTALLATION, TESTING AND COMMISSIONING OF SURFACE/ RECESS MOUNTING, VERTICAL TYPE, 415 VOLTS, TPN MCB DISTRIBUTION BOARD OF SHEET STEEL, DUST PROTECTED, DULY PHOSPHATIZED AND POWDER PAINTED, INCLUSIVE OF 200 AMPS TINNED COPPER BUSBAR , COMMON NEUTRAL LINK, EARTH BAR , DIN BAR FOR MOUNTING MCB'S DETACHABLE GLAND / KNOCK OUT PLATE, AND WITH 100 AMPS , MCB AS INCOMER INTERCONNECTION BETWEEN INCOMER MCB AND BUSBARS OF FOLLOWING WAYS (BUT WITHOUT MCB 'S) AS REQUIRED . (NOTE: VERTICAL TYPE MCB TPDB IS NORMALY USED WHERE 3 PHASE OUTLETS ARE REQUIRED) : 12 WAY WITH 100 AMPS TPN AS INCOMER .	EA	1		
92	S / F 'C' SERIES. SP MCB : SUPPLYING AND FIXING 5 AMPS TO 32 AMPS RATING, 240 VOLTS. 'C' SERIES, MINIATURE CIRCUIT BREAKER SUITABLE FOR INDUCTIVE LOAD OF FOLLOWING POLES IN THE EXISTING MCB DB COMPLETE WITH CONNECTIONS, TESTING AND COMMISSIONING ETC. AS REQUIRED. : SINGLE POLE	EA	24		
93	S / F TPN RCCB/ MCCB : SUPPLYING AND FIXING FOLLOWING RATING, FOUR POLE, (THREE PHASE AND NEUTRAL), 415 VOLTS, RESIDUAL CURRENT CIRCUIT BREAKER), HAVING A SENSITIVITY CURRENT UPTO 300 MILLIAMPERES IN THE EXISTING MCB DB COMPLETE WITH CONNECTIONS, TESTING AND COMMISSIONING ETC. AS REQUIRED : 63 AMPS	EA	1		
94	S / F MODULAR BOXES, BASE & COVER PLATE : SUPPLYING AND FIXING FOLLOWING SIZE/ MODULES, GI BOX ALONG WITH MODULAR BASE & COVER PLATE FOR MODULAR SWITCHES IN RECESS ETC AS REQUIRED.4 MODULE (125 MM X 75 MM)	EA	10		
95	PROVIDING AND FIXING CEILING FAN 48" OF CROMPTON MAKE.	EA	4		
96	PROVIDING AND FIXING EXHAUST FAN OF SIZE 12" OF CROMPTON MAKE.	EA	3		
97	PROVIDING AND FIXING TESTING & COMMISSIONING OF 450MM DIA HEAVY DUTY EXHAUST FAN WITH LOUVER OF APPROVED MAKE.(CROMPTON GREAVES)	EA	1		
98	PROVIDING AND FIXING FIVE STAGE ELECTRONIC FAN REGULATOR OF ANCHOR MAKE.	EA	766		
99	SUPPLYING AND FIXING OF WALL MOUNTED LUMINAIRES FIOR 1 X PL - 9 / 11 WATT, COMPACT FLOROSCENT LAMP.(PHILLIPS CAT NO FMS 200 / 111)INCLUDING LAMP..	EA	12		
100	REMOVING OF FLUORESCENT FITTING FROM SURFACE AND RE-INSTALLATION AFTER TESTING AND COMMISSIONING. COMPLETE (THE COST IS INCLUSIVE OF REWIRING OF THE FITTINGS IF REQUIRED, LABOUR SCREWS RAWL PLUG BUT EXCLUDING THE COST OF FLUORESCENT TUBE ROD, STARTERS	EA	4		

S.NO.	DESCRIPTION OF ITEMS	UNIT	Total Qty	Rates	AMOUNT
101	Removing of damaged / broken / twisted IRC welded mesh fencing panels repairing of damaged / broken members , replacing new members if required, setting right the fencing panel in proper shape and size as per site requirement, re-fixing of panel at old location / new location in proper position and required alignment, Rate includes the cost of all labour , T & P , welding rods, welding machine, etc complete. The cost of structural steel and nut bolts, washers, IRC welded Mesh etc., if required will be paid separately.	sqm	150		
102	PROVIDING AND FIXING FLORUCENT TUBE ROD 40 WATT OF APPROVED QUALITY.	EA	4		
103	S / F MCCB IN CUBICLE PANEL BOARD : PROVIDING AND FIXING FOLLOWING RATING AND BREAKING CAPACITY MCCB IN CUBICLE PANEL BOARD INCLUDING DRILLING HOLES IN CUBICLE PANEL, MAKING CONNECTIONS, ETC. AS REQUIRED 200 AMP, 16 KA INCLUDING CUBICLE PANEL OF APPROVED MAKE	EA	1		
104	Dismantling / removing damaged / unservicable PVC insulated / fire resistant Aluminium / Copper conductor cables size upto 10 sqmm. from existing wooden battens / casing, capping / steel / PVC conduits or in mixture of all, including removal of wooden battens / casing, capping and disposal of the materials from the site, the cost of Aluminium / Copper so recieved is to be supplied in scrap store complete as per direction of Engineer-In-Charge.	EA	1		
105	PROVIDING AND FIXING TUBU LIGHT PHILIPS MAKE MIROLTA CLASSIC 40 WATT CAT NO TMS 510 1XTL 40W HF COMPLETE JOB .	EA	16		
106	P/f 20 watt LED tube light complete in all respect.	EA	70		
107	Providing and laying in position ready mixed M-20 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 310 kg/cum). All works upto plinth level	Cum	20		
108	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum). All works upto plinth level	CUM	128		
109	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in is: 2800 (part i), including collecting samples from different strata, preparing and submitting strata chart/bore log,including hire & running charge of al equipments tools,plants &completeas direction og engineer -i - charge upto 90 meter depth belowground level alll kind s of soil :300 mm dia	Mtr	360		
110	supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized pvc medium well casing (cm) pipe of required dia, conforming to is: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths,as per direction of engineer -in-charge. 150mm dia nominal size"	Mtr	360		
111	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of engineer-in-charge.	Cum	40		

S.NO.	DESCRIPTION OF ITEMS	UNIT	Total Qty	Rates	AMOUNT
112	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of engineer-in-charge.	Cum	40		
113	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of engineer -in-charge.	Cum	32		
114	Gravel packing in tubewell construction in accordance with is: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of engineer-in-charge.	Cum	32		
115	P/F CASING/STRAINER MS PIPE 150 MM DIA OF APPVD MAKE AS/DIRECTION OF EIC	Mtr	200		
116	Repair of compound gate / S.G. Gate / Tr Gate made up of welded mesh fencing by welding at site i/c P/f new hinges and replacing any damaged members like pipe, sq. bars, MS flat, weldedmesh / MS sheet etc. (Payments for new materials used if any, shall be made seperately under the respective head)	Sqm	120		
117	Providing and fixing M.S. clamp of required dia to the top of casing/housing pipe of tubewell as per is: 2800 (part i), including necessary bolts & nuts of required size complete 150 mm dia.	Each	8		
				Total	

Notes:

- (i) All materials to be arranged by the contractor and all test certificates to be furnished by the contractor.
- (ii) I/We have read the terms and conditions with specifications, schedule of quantities and other relevant details, pertaining to work and agree to abide by them.
- (iii) I/We agree to carry out the above said work at the above quoted rates.
- (iv) The above rates are excluding GST which shall be extra as applicable
- (v) Purchaser reserves the right to use the online reverse auction as optional tool through SAP – SRM as an integral part of the

Signature
Name & Address of Agency

ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT
(To be signed and stamped by the bidder prior to participation in the auction event)

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

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

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