



GUWAHATI UTILITIES
COMPANY LIMITED

GUWAHATI UTILITIES COMPANY LIMITED

(CIN U38110AS2023PLC024235.) (GSTIN : 18AAKCG3120G1D3)

4th Floor, Tripti Tower, Ganeshguri, Guwahati-06, Assam

E-mail: mdguclassam@gmail.com

TENDER DOCUMENT

PARALLEL RATE TENDER FOR SUPPLY OF LISTED ELECTRICAL ITEMS

Particulars	Date & Time
Last date of submission of tender	18 /01 /2025 up to 2:00 PM
Date of opening of tender: Technical Bid	19 /01/2025 at 3.00 P.M
Date of opening of Financial Bid	To be intimated subsequently.

Guwahati Utilities Company Limited invites Tenders from eligible bidders for establishing rate contracts (item wise) of Electrical Items (Listed) as per the criteria specified in the tender document.

1.	Name of Work	:	Supply of Electrical Materials with street light Accessories 2025-26.
2.	Time allowed for completion	:	Time for completion shall be as per subsequent supply orders.
3.	Earnest Money Deposit	:	Rs. 25,000/- (Rupees Twenty-Five Thousand only) in form of D.D/B.C/F. D in favor of Managing Director, Guwahati Utilities Company Limited issued by scheduled banks of India.
4.	Processing Fee of Tender	:	A non-refundable amount of Rs 1,000/- (Rupees One Thousand only) in form of D.D/B.C/F. D in favor of Managing Director, Guwahati Utilities Company Limited issued by scheduled banks of India.
5.	Last date and time of receipt of Tenders	:	18 /01/2025 up to 2.00 p.m.
6.	Address at which the Tenders are to be submitted	:	O/o The Managing Director, Guwahati Utilities Company Limited, 4TH floor, Tripti Tower, Ganeshguri, Ghy-06
7.	Date and time of opening of Tenders	:	19/01/2025 at 3:00 p.m.
8.	Place of opening Technical Bid	:	O/o The Managing Director, Guwahati Utilities Company Limited, 4TH floor, Tripti Tower, Ganeshguri, Ghy-06
9.	Validity of Offer	:	120 days from the date of opening the PriceBid.
10.	Liquidated Damages	:	As specified in the subsequent pages in the tender document.
11	Availability of Tender Documents		Tender documents to be downloaded from official website of www.gucl.in
12	For Tender related queries		e-mail: mdguclassam@gmail.com mdguclindia@gmail.com & gmcelectricalbranch7@gmail.com

RATE CONTRACT FOR SUPPLY OF LISTED ELECTRICAL ITEMS

Guwahati Utilities Company Limited invites tenders in the prescribed format from reputed agencies / suppliers/manufactures/dealers or a legal entity engaged in similar activities for supply of electrical items as per the requirement of GUCL from time to time. The period of contracting shall be One Year. *After expiry of the above prescribed period of 1 year the GUCL reserves the right to extend the period on the same terms and conditions if it so desires at its discretion subject to the mutual agreement between the parties, for a period of not more than one year at a time. No minimum work is guaranteed through this process of deriving a rate contract.*

1. **GUCL may require Listed Electrical items on as & when required basis. The quantity and other details are unidentified at this stage, further, the requirement of the services is repetitive in nature, as such, GUCL initiates the process of Rate Contract procurement as per Section 36 of the APPR Act 2017.**
2. Through this procurement process, GUCL intends to initiate strategic market analysis by identifying rates for the listed items.
3. Earnest money deposited will be refunded to all except the successful bidder without any interest, after awarding the work to the successful bidder.
4. Bids are to be submitted on or before 18 /01/2025 by 2.00 PM at the office of the undersigned. The bids are to be submitted in separately sealed envelope comprising of the Technical Bid and the Financial Bid.
5. **The Contractor shall have to deposit amount of Rs. 50,000/- (Rupees Fifty Thousand) only as security deposit at the time of execution of the rate contract. The Security Deposit will be refunded on termination of the contract after adjusting the dues payable by the Contractor to the GUCL without any interest.**
6. Technical Bids will be opened at 3.00 P.M on 19 /01/2025. Bidders who qualified in the technical bids shall only be considered for Financial Bidding process and technically qualified bidders will be advised through website of GUCL.
7. The Financial Bid of Technically responsive bidders shall be considered for opening and subsequent further evaluations.
8. The contractors/bidders are advised to visit the premises at their own cost before submission of bid.
9. The Courts in Guwahati city alone shall have the jurisdiction in respect of any or all matters relating to or connected with the Tender.
10. The GUCL does not bind itself to accept the lowest tender and reserves to itself the right to reject any or all the tenders received without assigning any reason. No correspondence will be made in this regard.
11. Final award of the rate contract will be subject to the approval of the Managing Director, GUCL.
12. GUCL reserve right to cancel the tender process at any stage without citing any reasons.
13. In case the date of opening/closing of Bids is declared a holiday in Guwahati, the bids will be opened/closed on the next working day at the same time. GUCL has the right to accept/reject any/all bid without assigning any reasons. *The GUCL also reserves its right to reject any bid which, in the opinion of the GUCL, is too low or unrealistic for effectively carrying out the obligations required under the terms and conditions of the tender.*

Sd/-
Managing Director
Guwahati Utilities Company Limited
Ganeshguri, Guwahati-06.

I. TENDER PROCESS

General-

The tender process will be in two cover system (Technical and Financial). The Technical bid shall contain- covering letter, certificate of vendor all other pages of tender document other than price bid. Price Bid shall be submitted as per the Price Bid Format provided.

A. Contents of Technical Bid-

1. Covering Letter.
2. Duly filled TECH FORM-1 along with all requisites of TECH FORM 1.
3. Duly filled TECH FORM-2 along with all requisites of TECH FORM 2.
4. Any other documents as per the Bid Document.

B. Contents of Financial Bid-

1. In Format as provided.

Validity of Tender

Tenders shall remain valid and open for acceptance for a period of 120 days from the last date of submission of Bid. If the bidder withdraws his/her offer during the validity period or makes modifications in his/her original offer which are not acceptable to the GUCL, the GUCL shall be at liberty to forfeit the EMD without prejudice to any other right or remedy.

Evaluation of Bids, Contract and Award of work-

The broad principles to be adopted for evaluation of bids, contract and award of work is outlined below for the understanding of the bidders. Evaluation shall be done by a committee constituted for the purpose.

Technical Evaluation-

- i. The committee shall evaluate the technical bids received to check the responsiveness to TECH-FORMs and the other requirements laid herein.
- ii. Technically Responsive and qualified bids shall be considered for financial opening.
- ii. Bids found non-responsive in technical stage shall be rejected and financial bids shall not be opened.

Financial Evaluation-

Financial evaluation shall be done on item-wise/service-wise basis (inclusive of taxes) and not on overall cost of the bid. I.e., a technically responsive bid quoting the lowest (L1) for a particular item/service in BoQ shall be listed as the Original rate contract holder and Subsequent lowest bidder/s shall be recommended as the Parallel rate contract holder at the L1 rates subject to agreement of such subsequent lowest bidders.

The competitive component shall be the price for an item/service inclusive of all taxes, cost components etc.

All intermediate results/stages of evaluation as per rules and invitations shall be uploaded in website.

II. Bid Price-

The tenderer shall indicate in the Price schedule the unit prices where applicable and total tender prices of the services it proposes to provide under the contract.

Prices indicated in the Price Schedule shall be the cost of the services quoted including all customs duties and GST and other taxes payable.

The price should be inclusive of packing charges, transportation and transit charges upto the delivery point.

Prices quoted by the tenderer shall remain fixed during the term of the contract unless otherwise agreed by the parties. A tender submitted with an adjustable price quotation will be treated as non-responsive and will be rejected.

III. Contracting and issuance of Supply orders/work orders-

The resulting contract from this Bidding process shall be a Parallel Rate Contract with approved rates through the bidding with commitment and conditions of minimum quality to be provided by the agency/bidder but without commitments to quantity of works/services from GUCL.

Work orders shall only be issued based on requirement of GUCL from time to time. No minimum work/supply order/value of procurement is guaranteed.

IV. Performance Security-

(a) **Any rate contract holders shall have to deposit amount of Rs. 50,000/- (Rupees Fifty Thousand) only** as security deposit at the time of execution of agreement/listing. The Security Deposit will be refunded on termination of the contract after adjusting the dues payable by the Contractor to the GUCL without any interest. Considering this to be a rate contract, **additional performance security** may be sought by GUCL depending on the value of the prospective supply order. GUCL may seek additional security deposit/performance security prior to issuance of a supply order amounting to a value of 5% of the proposed supply order to be kept valid for atleast 60 days beyond the obligation period of the supply order. The supplier must honour such request and make necessary submissions within a period of 7 days.

1. All the tenderers are requested to note that GUCL will not accept any incomplete or conditional tender and the tender will be rejected if any tenderer found quoted conditional tender and if the same are not withdrawn at the time of opening of tender / price bid. All conditions, if any, to be loaded with rate. The rate should be inclusive of all taxes payable and necessary insurance premium / service charges etc., for the labour and machinery etc. exclusive of GST
2. The tenderer should satisfy him-self of the scope of work before quoting the rates and clear the doubts if any. No deviation of conditions or request for change of specifications or additional rate will be entertained at any stage.

V. MINIMUM ELIGIBILITY CRITERION / POST-QUALIFICATION

Only those who fulfil the following minimum criteria need to submit their bids:

1. The Bidder should be a legal entity with experience of supply of items to government organisations/institutes/PSUs etc.
2. The Bidder should have registered as a commercial establishment under Shop & Commercial Establishment Act of the State where the Office/ Establishment of bidder is situated.

3. The bidders should not have been blacklisted/debarred by any Ministry/Department/Organization.
4. The agency should be in business for at least 3 years. They should have an “AUDITED” average annual turnover Rs. 10.00 Lakhs during the last three years.
5. The Bidder must have a valid PAN and should be registered for the purpose of GST as applicable.
6. The tenderer shall have its office and set-up in Guwahati for effective co-ordination for timely availability of vehicles even at very short notice, address & other details (proof of lease /ownership) to be enclosed in Technical bid.
7. Experience of having successfully completed similar supply works for Government offices/ Department during last 3 years, should be either of the following :
 - a. Three similar completed works (value of each atleast 5 Lakhs)
OR
 - b. Two similar completed works (value of each atleast 10 Lakhs)
OR
 - c. One similar completed work (value of atleast 20 Lakhs)

VI. Rate contract will be formed among the responsive bidders as per the criterion mentioned in the tender based on the unit rates offered. The rate contract shall be item/service wise parallel rate contract.

Bid Price-

- The tenderer shall indicate in the Price schedule the unit prices where applicable and total tender prices of the services it proposes to provide under the contract.
- Prices indicated in the Price Schedule shall be the cost of the services quoted including all customs duties and GST and other taxes payable.
- **The price shall be inclusive of packaging, transportation, handling and complete delivery of the items.**
- Prices quoted by the tenderer shall remain fixed during the term of the contract unless otherwise agreed by the parties. A tender submitted with an adjustable price quotation will be treated as non-responsive and will be rejected.
- The Price of the accepted/rate contracted bidder shall be subjected to “Price Fall Clause” as per the Assam Public Procurement Rules 2020.

VII. TERMS OF BIDDING-

- a. GUCL reserves the right to cancel the tender process at any time before finalization and execution of the contract with or without assigning any reason.
- b. Rate contract with any bidder may be terminated with a prior written notice of 15 days.
- c. Language of Bid: All bids and supporting documentation shall be submitted in English.
- d. GUCL reserves the right to accept or reject any or all bids without assigning any reason thereof and GUCL’s decision in this regard will be treated as final. Bids may be accepted or rejected in total or any part or items thereof. No contractual obligation whatsoever shall arise from the Tender process unless and until a formal purchase order is signed and issued by duly authorized officials of the GUCL.
- e. Any bid not containing enough information and documents which preclude a thorough analysis will be rejected. Readability of the documents submitted must be ensured by the bidders, failing which bids may be rejected/not considered for evaluation.

- f. GUCL shall have the right to reject the bids not submitted in the prescribed format or incomplete in any manner.
- g. GUCL is not responsible for non-receipt of bids within the specified date and time due to any reason.
- h. GUCL also reserves the right to alter/modify any/some/all the requirements as it may deem necessary and notify the same on its website.
- i. The bidders should be agreeable for the same. All changes amendments would be informed through GUCL website. No publishing will be done through print media.
- j. Bidders who do not meet the technical criteria stipulated by the GUCL will not be considered for further evaluation.
- k. Bids to be complete in all respects and incomplete bids will be summarily rejected. The GUCL will not entertain any correspondence in this regard. GUCL shall have the right to cancel the Tender process at any time prior to award of contract, without thereby incurring any liabilities to the affected bidder(s). Reasons for cancellation, as determined by GUCL at its sole discretion include but are not limited to, the following:
 - 1. Services contemplated are no longer required.
 - 2. Scope of work was not adequately or clearly defined due to unforeseen circumstances and/or factors and/or new developments.
 - 3. Proposed prices are unacceptable to the work.
 - 4. The project is not in the best interest of GUCL.
 - 5. Any other reason.
- l. GUCL reserves the right to verify the validity of bid information and to reject any bid where the contents appear to be incorrect, inaccurate or inappropriate at any time during the process of Tender or even after award of contract.
- m. All pages of bid document should be stamped and signed by authorized signatory of the bidder.
- n. Bidders should carry out any change request necessitated by the GUCL.
- o. GUCL reserves the right to discontinue/close the project at any point of time without assigning any reason thereof and GUCL's decision in this regard will be treated as final. By responding to this document, it is construed that the bidder has agreed to fully adhere to all the requirements of this Tender.

**VIII. SCOPE OF SERVICES AND DETAILED TERMS AND CONDITIONS
AGENCIES / COMPANIES RESPONSIBILITY**

Scope of Supply and delivery --

1. The items listed under this procurement document must be OEM (Original Equipment Manufacturer) authorized items. No third party claims pertaining to proprietary rights/copyright/trademark must be raised against GUCL during the course of the contract. All such claims shall automatically and by default pass on to the supplier.
2. Local Content- Items to be supplied under this contract must have a minimum Local Content of 50%.
3. GUCL may seek OEM authorization certificate from the supplier prior to supply and the supplier shall have to ensure submission of such certificate failing which security may be forfeited and the contract may be terminated.
4. The items to be supplied must not be obsolete for at least 3 years from the date of actual supply.
5. No malicious or copy items must be proposed/supplied under this contract.
6. Warranty Requirements-
All items supplied must mandatorily possess a minimum warranty (OEM) of 1 year from the date of delivery. All documents of warranty must be handed over to the receiving and accepting authority.
7. Prior to supply and delivery of the items in bulk, GUCL has the right to seek sample submission/sample demonstration and verification. A period of maximum 7 days shall be given for such submission/demonstration.
8. Payment Requirements-
Payment under any supply order under the resulting contract shall only be claimable only on submission of "Item Receipt and Acceptance Certificate" duly signed and certified by concerned/authorized personnel of GUCL duly supported with Photograph bearing date and time stamp.
9. One of the primary essences of this rate contract is delivery on urgent basis and short notice at approved rates. Supplier holding the rate contract shall ensure compliance to the requirement at short notice failing which, GUCL at its own discretion may allow supply to other suppliers at the same rates.

IX. INDEMNITY & LIABILITY

- (a) The Bidder agrees to indemnify the GUCL against all losses or claims in respect of any or all statutory / financial obligations arising out of any negligence or misconduct on the part of the driver/contractor howsoever and in whatsoever manner caused to the GUCL. GUCL will not enter into any litigation whatsoever under any circumstances in respect of afore-stated statutory / financial obligations. Any litigation if so warranted/compelled will be conducted and pursued by the GUCL at the cost of the Bidder only.
- (b) The Bidder shall be responsible and answerable for all claims from third parties including the employees of the GUCL in the event of any accident or injury, death, loss or damage leading to / involving any liability caused by the Bidder or its driver/s or employees. If during the contract period, any loss or damage to property or life, death due to accident etc., is caused either to the passenger, driver or any other third party, the GUCL shall not be responsible for the same.
- (c) Until the formal handing over and delivery of the goods, the custody of the goods shall be the responsibility of the supplier. Ownership shall transfer only on successful delivery and certification.
- (d) The Bidder shall comply with the Rules / regulations under Motor Vehicle Act or any applicable Law and prescribed by the Assam Transport Authority for transportation.
- (e) The Bidder must replace faulty goods/failed goods or damaged goods within a period of 24 hours on receipt of such replacement request.
- (f) All claims and incidental expenses towards repairs, servicing the vehicle etc. shall be borne by the Bidder.
- (g) The Bidder shall be responsible for all legal compliances prescribed by Government of India and the State Governments concerned which shall among others include law relating to Income Tax, Accidents, ESI, EPF, Insurance, Contract Labor (Abolition & Regulation) Act, Industrial Disputes Act, Workmen Compensation Act, Payment of Wages Act, Minimum Wages Act etc. The Bidder along with the Motor vehicle Insurance Premium etc. shall submit proof of payment of statutory dues. Any breach of the applicable laws, rules and regulations would entitle the GUCL to cancel the contract.
- (h) The security deposit of the successful Bidder shall remain deposited with the GUCL during the period of contract which can be forfeited in case Bidders violates the terms and conditions of tender during this period and will not carry any interest.
- (i) GUCL may seek additional security deposit/performance security prior to issuance of a supply order amounting to a value of 5% of the proposed supply order (detailed above in relevant section). The supplier must honour such request and make necessary submissions within a period of 7 days.

X. **PAYMENT SCHEDULE:** The payment to the Contractor will be released by GUCL on submission of invoices along with proof of adhering to the contract conditions. Bills must be supported with “Item receipt and acceptance Certificate” duly signed by authorized personnel of GUCL with supporting photographs.

XI. PENALTIES

While all contractual obligations will be strictly be observed and enforced, deductions will however be made for poor or unsatisfactory services, such as;

- (a) The GUCL reserves the right of imposing penalties and the amount of such penalties shall be deducted from invoices/bills or the earnest money/security deposit kept with the GUCL as the case may be.
- (b) Wherever the Bidder or his employees, after the award of the contract, is / are found indulging in fraudulent acts and dishonest practices like fake slips and similar kind of wrong practices by the Bidder/ employees, the contract shall be liable to be canceled by the GUCL with immediate effect and the security deposit shall be forfeited.
- (c) No upward price enhancement would be allowed on account of any reason, whatsoever, including increase in prices during the period of contract. “Price Fall Clause” shall be applicable as per APPR 2020.
- (d) The GUCL shall levy the penalty only after giving reasonable opportunity to the agency. In case of dispute, an appeal can be made to the Commissioner, GUCL whose verdict shall be final in the matter.

XII. Termination

- (i) The GUCL reserves its right to terminate the agreement for any reason at its absolute discretion including but not limited to the following: -
- (ii) The GUCL may, without prejudice to any other remedy for breach of contract, may terminate the contract/agreement by fifteen (15) days notice in the event of unsatisfactory performance or on breach of any stipulated conditions or qualitative dimensions of the various services specified/agreed upon by the contractor, or the engagement is not in the interest of the GUCL or the GUCL no more requires any such service and the Contract shall be deemed to have been terminated for all purposes on the expiry of the fifteenth (15) day from the date of receipt of the notice.
- (iii) Other Grounds for Termination: The GUCL is entitled to terminate this contract/agreement for any reason at its absolute discretion forthwith without notice without assigning any reason and without payment of any compensation, in the following cases: -
 - a) the bidder is adjudicated insolvent by a Competent Court or files for insolvency or if the hirer being a company is ordered to be wound up by a Court of competent Jurisdiction.
 - b) If any charge sheet is filed by a competent authority of the Government against the Agency / Company, or the bidder is convicted by a criminal court on grounds of moral turpitude.
 - c) For any reason whatsoever, the bidder becomes disentitled in law to perform his obligations under this agreement.
 - d) The Bidder is involved in wrongful billing. In addition, hereto wrongful billing shall also result in the organization being debarred from participating in any other tender of the GUCL.
- (iv) The termination of this agreement shall not affect the rights, remedies and obligations of the parties accruing prior to such termination.**
- (v) The Bidder shall upon termination of this Agreement forthwith hand over to GUCL all documents, material and any other property belonging to GUCL including any confidential information.

TECH FORM-1
In Non-Judicial Stamp Paper of Value Not less than Rs 100

RFB No:

I/We _____

Of (insert business address)

Hereby submit our bid in response to the Request for Bid (RFB) for
.....

We hereby submit our confirmation and acceptance to all the clauses and terms of the RFB

Also, We commit to supply OEM authorized items only under this contract. **It shall be ensured that goods to be supplied shall have a Minimum Local Content of at least 50%.**

We understand, the Financial Evaluation shall be for each item separately to determine the Lowest Rate and to ensure that the works are executed/services are delivered/Goods are supplied at the lowest rate.

We understand, this is a process resulting to execution of a framework agreement only and no minimum work is guaranteed through this process.

I/We understand that the Authority reserves the right to accept / reject any application and the selection is at their sole discretion. Further, it is understood and agreed that this being a Parallel Rate Contract, GUCL shall be at the liberty to allow multiple suppliers supply the items at the Lowest rate derived.

Our Bid is valid for a period of 120 days (as per Bid Data-sheet).

Mr/Ms..... is authorized as the authorized signatory to make necessary processes and submissions in relation to this Bid.

We declare that we are not blacklisted by any Ministry/Department/ Organization and our business dealing with the Government Ministries/Department have not been banned. We further declare that there is no conflicting interest of any manner in reference to this tender.

We understand that no upward price escalation is permitted and our prices are subject to "Price Fall Clause" as per APPR 2020.

We are eligible to participate in this bidding process and the same is substantiated by the Form below as Annexure-1.

Authorized Signature

Name in full:

Agency Name:

Title:

Responsive Checklist for Technical Bid/Eligibility Criteria

S.N.	Particular	Acceptable documents	Supporting Attached at-
1	The Bidder should be a registered Legal Entity.	Trade License/Incorporation certificate/Registration certificates.	
2	The Bidder should have registered as a commercial establishment under Shop & Commercial Establishment Act of the State where the Office/ Establishment of bidder is situated.	Shops and Establishment License issued by the Commissionerate of Labour.	
3	The bidders should not have been blacklisted/debarred by any Ministry/Department/ Organization.	FORM TECH 1 in non-judicial stamp paper.	
4	<p>a. The bidder should be in business for at least 3 years.</p> <p>b. They should have an “AUDITED” average annual turnover Rs. 10 Lakhs during the last three years.</p>	<p>a. Work Orders/Completion to prove business existence.</p> <p>b. UDIN verified C.A declaration to Average Annual Turnover with IT return certificates.</p>	
5	The Bidder must have a valid PAN and should be registered for the purpose of GST as applicable.	Copy of PAN and GST.	
6	Office set-up in Guwahati for effective co-ordination	GST showing place of business and/or proof of lease /ownership.	
7	Experience of having successfully completed similar supply works for Governments as per “Section V- Point 7” above.	Workorders/completion/interim certificates to prove experience as per eligibility requirements.	

This is to certify that I/We certify that I/We before signing this bid have read and fully understood all the terms and conditions contained herein and under myself/ourselves abide by them. We further declare that--

- a) All the information furnished above are true to my knowledge. I have no objection to the GUCL verifying any or all the information furnished in this document with the concerned authorities, if necessary.
- b) In the event of any information or statement being found to be incorrect in any way and at any time, the same be construed to be a misrepresentation, enabling GUCL to avoid / cancel any resultant contract and forfeit the EMD/security deposit.
- c) I / we further undertake that as and when called upon by the GUCL for inspection, to produce original (s) of the documents of which copies have been attached hereto.
- d) No malicious goods shall be supplied under this contract.
- e) Any third party claims shall, by default pass on to us and GUCL shall not be liable for such claims.
- f) It is certified that I / we have not been debarred or blacklisted from participation in Govt., tenders at the time of purchasing this tender document.
- g) I / We also certify that, I / We have understood all the terms and conditions indicated in the tender document and hereby accept the same completely and unconditionally

(Signature of tenderer)

Rubber seal)

BASIC DETAILS OF THE BIDDER

1. Name-.....
2. In Business Since-.....
3. GSTIN-.....
4. PAN-.....
5. Contact Details- Email-.....; Phone-.....
6. Official Address -.....
7. Bankers Name-..... A/C No-..... IFSC-.....
8. List of Previous Experience-

Sl.	Organization/Dept.	Year of Supply	Value

9. Turnover Abstract-
Average Annual Turnover of Last Three F.Ys- INR.....

Attach following documentary evidence:

- (a) Registration Certificate
- (b) Any other relevant document

Signature of Bidder:Seal / Stamp

Date:

Place

FINANCIAL PART
(TO BE SUBMITTED SEPARATELY)

UNIT RATE PRICE QUOTE SHEET OF STREET LIGHT/OTHER ACCESSORIES**Name of Work:- Supply of Electricals Materials with Street Light Accessories****(ALL MATERIALS SHOULD BE APWD/ISI APPROVED MARKET WHERE NECESSARY)**

Sl. No.	Item Description	BRAND/MAKE PROPOSED	Unit	Rate	
				In Figure	In Words
Copper WIRES					
1	0.75 Sq mm single core Copper Wire (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 90 meter		
2	1.5 Sq mm single core Copper Wire (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 90 meter		
3	1 Sq mm single core Copper Wire (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 90 meter		
4	2.5 Sq mm single core Copper Wire (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 90 meter		
5	4 Sq mm single core Copper Wire (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 90 meter		
6	6 Sq mm single core Copper Wire (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 90 meter		
7	10 Sq mm single core Copper Wire (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 90 meter		
8	16 Sq mm single core Copper Wire (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 90 meter		
9	6 Sq mm 4 core Flexible XLPE insulated Copper cable (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 100 meter		
10	8 Sq mm 4 core Flexible Copper cable (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 100 meter		
11	10 Sq mm 4 core Flexible XLPE insulated Copper cable (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 100 meter		

12	16 Sq mm 4 core Flexible XLPE insulated Copper cable (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 100 meter		
13	25 Sq mm 4 core Flexible XLPE insulated Copper cable (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 100 meter		
14	35 Sq mm 4 core Flexible XLPE insulated Copper cable (Finolex, RR Cable, Anchor, Havells, Polycab)		per coil 100 meter		
Office & Wiring Accessories					
15	PVC Pipe 1" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		Each of 3.00 m length		
16	PVC Pipe 2" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		Each of 3.00 m length		
17	PVC casing (3/4)" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
18	PVC casing 1" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
19	PVC casing (1.5)" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
20	PVC casing 2" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
21	2 Way Band (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
22	3 Way Band (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
23	4 Way Band (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
24	1 " PVC Gutka		Packet		
25	1.5 " PVC Gutka		Packet		
26	2 " PVC Gutka		Packet		
27	1 " Screw		Packet		
28	1.5" Screw		Packet		
29	2" Screw		Packet		

30	PVC Board 8" x 10" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
31	PVC Board 8" x 6" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
32	PVC Board 4" x 4" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
33	PVC Board 7" x 4" (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
34	Ceiling Fan 36" (Havels, Bajaj, Crompton Greaves)		each		
35	Ceiling Fan 42" (Havels, Bajaj, Crompton Greaves)		each		
36	Ceiling Fan 48" (Havels, Bajaj, Crompton Greaves)		each		
37	Ceiling Fan 52" (Havels, Bajaj, Crompton Greaves)		each		
38	Ceiling Fan 56" (Havels, Bajaj, Crompton Greaves)		each		
39	Wall Fan (Havels, Bajaj, Crompton Greaves)		each		
40	Stand Fan (Havels, Bajaj, Crompton Greaves)		each		
41	Modular Fan regulator (Kolor Kany.Kom ./ Havells)		each		
42	Fan Regulator (Electronic)		each		
43	Fan Regulator (General)		each		
44	9" (225 mm) Exhaust fan with all accessories		each		
45	12" (300 mm) Exhaust fan with all accessories		each		
46	18" (457 mm) Exhaust fan with all accessories		each		
47	24" (610 mm) Exhaust fan with all accessories		each		
48	PVC Electrical Square Box		each		
49	Ceiling Rose		each		
50	PVC L-joint		each		
51	PVC T-joint		each		
52	PVC External joint		each		
53	PVC Internal joint		each		
54	2-way Circular Box		each		

55	3-way Circular Box		each		
56	4-way Circular Box		each		
57	100 Amp manual change over		each		
58	200 Amp manual change over		each		
59	100 Amp 3-phase manual ICTP main switch with handle		each		
60	200 Amp 3-phase manual ICTP main switch with handle		each		
61	500 Amp 3-phase manual ICTP main switch with handle		each		
62	1-phase 3-way, 32 Amp Phase selector Rotary switch		each		
63	1-phase 3-way, 64 Amp Phase selector Rotary switch		each		
64	Panel phase-indicator pilot lamp set (Red-Yellow-Blue)		set		
65	Flexible pipe		R/M		
66	GI Saddle		each		
67	6 Amps Switch (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
68	6 Amps Socket (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
69	16 Amps Switch (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
70	16 Amps Socket (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
71	16 Amps SS combined board (Anchor penta / Gold medal / Kolor Kany.Kom ./ Havells)		each		
72	16 Amps modular SS combined board with Metal Box for Concealed wiring (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
73	16 Amp Industrial multiphase Socket (Male/Female) (Havells / Schneider / ABB / SIEMENS)		each		

74	32 Amp Industrial multiphase Socket (Male/ Female) (Havells / Schneider / ABB / SIEMENS)		each		
75	64 Amp Industrial multiphase Socket (Male/ Female)(Havells / Schneider / ABB / SIEMENS)		each		
76	Round model plate for concealed wiring		each		
77	AC starter 25 Amps		each		
78	AC starter box		each		
79	Batten holder		each		
80	Angle Holder		each		
81	10 mm Fan fastener		each		
82	12 mm Fan fastener		each		
83	14 mm Fan fastener		each		
84	3 watt spot lights for false ceiling (Warm white)		each		
85	5 watt spot lights for false ceiling (Warm White)		each		
86	12 Watt 1x1 LED Panel Light(White)		each		
87	24 Watt 1x1 LED Panel Light(White)		each		
88	12 Watt Round LED Panel Light(White)		each		
89	24 Watt Round LED Panel Light(White)		each		
90	Glass light for false ceiling		each		
91	Machine screw for Concealed wiring		each		
92	L&T MCX 01 4-pole Contactor		each		
93	L&T MCX 02 4-pole Contactor		each		
94	L&T MCX 03 4-pole Contactor		each		
95	L&T MCX 04 4-pole Contactor		each		
96	L&T MCX 11 4-pole Contactor		each		
97	L&T MCX 12 4-pole Contactor		each		
98	L&T MCX 21 4-pole Contactor		each		
99	L&T MCX 22 4-pole Contactor		each		
100	L&T MCX 31 4-pole Contactor		each		
101	L&T MCX 32 4-pole Contactor		each		
102	L&T MCX 33 4-pole Contactor		each		
103	L&T MCX 34 4-pole Contactor		each		
104	L&T MCX 41 4-pole Contactor		each		

105	L&T MCX 42 4-pole Contactor		each		
106	L&T MCX 43 4-pole Contactor		each		
107	L&T MCX 44 4-pole Contactor		each		
108	L&T MCX 45 4-pole Contactor		each		
109	L&T MCX 46 4-pole Contactor		each		
110	Timer Switch-Analog (HAGAR, ABB)		each		
111	Timer Switch-Digital (HAGAR, ABB)		each		
LED Street Light Set					
112	16 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
113	18 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
114	20 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
115	25 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
116	30 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
117	45 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
118	60 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
119	90 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
120	100 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
121	120 Watt (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
122	150 Watt LED Floodlight set (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
123	200 Watt LED Floodlight set (Havels, Bajaj, Crompton, Greaves HPL, PHILIPS, Jaquar)		each		
124	250 Watt LED Floodlight set (Havels, Bajaj, Crompton, Philips, Jaquar)		each		

125	300 Watt LED Floodlight set (Havels, Bajaj, Crompton, Philips, Jaquar)		each		
126	400 Watt LED Floodlight set (Havels, Bajaj, Crompton, Philips, Jaquar)		each		
Electrical Accessories					
127	Surge Protective Device SPD 20 to 40kA, Type 1+2, Phase + Neutral + Earth		each		
128	SPD 10 KV (Surge Protector, Bajaj)		each		
129	4 Pole Surge Protection Device SPD 20 -40 kA		each		
130	90 Watt LED Driver, Crompton		each		
131	90 Watt LED Driver, Havels, Bajaj, Crompton		each		
132	100 Watt LED Driver, Havels		each		
133	25 Watt LED Driver (Bajaj)				
134	120 Watt LED Driver , Havels		each		
135	30 Watt LED Driver (Bajaj)		each		
136	40 mm dia hot dip galvanised pipe for 30 Watt street light bracket (APDCL Existing Pole)		each		
137	75 mm dia hot dip galvanised pipe for 90 Watt street light bracket (APDCL Existing Pole)		each		
138	Single arm regular bracket 1000 mm long for 3m to 10 m. Poles (Nezon)		each		
139	Double arm regular bracket 1000 mm long for 3m to 10 m. Poles (Nezon)		each		
140	Triple arm regular bracket 1000 mm long for 3m to 10 m. Poles (Nezon)		each		
141	Quad arm regular bracket 1000 mm long for 3m to 10 m. Poles (Nezon)		each		
142	Single arm Ornamental bracket for 3m to 10 m poles (Nezone)		each		
143	Double arm Ornamental bracket for 3m to 10 m poles (Nezone)		each		

144	Triple arm Ornamental bracket for 3m to 10 m poles (Nezone)		each		
145	Quadruple arm Ornamental bracket for 3m to 10 m poles (Nezone)		each		
146	Three Phase Smart pack pole mounting Junction box (Syntax)		each		
147	Single Phase Smart pack pole mounting Junction box (Syntax)		each		
148	1.5 Sq mm B.T.C. (Ajanta, Richa)		coil		
149	2.5 Sq mm B.T.C. (Ajanta, Richa)		coil		
150	4 Sq mm B.T.C. (Ajanta, Richa)		coil		
151	6 Sq mm B.T.C. (Ajanta, Richa)		coil		
152	10 Sq mm B.T.C. (Ajanta, Richa)		coil		
153	16 Sq mm B.T.C. (Ajanta, Richa)		coil		
154	4.00 Sq mm 2 core Armoured U.G. Cable(Havels, Polycabe Golster)		R/M		
155	6.00 Sq mm 2 core Armoured U.G. Cable (Havels, Polycabe Golster)		R/M		
156	6.00 Sq mm 4 core Armoured U.G. Cable (Havels, Polycabe Golster)		R/M		
157	10 Sq mm 4 core Armoured U.G. Cable (Havels, Polycabe Golster)		R/M		
158	16.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havels, Polycabe Golster)		R/M		
159	25.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havels, Polycabe Golster)		R/M		
160	35.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havels, Polycabe Golster)		R/M		
161	50.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havels, Polycabe Golster)		R/M		
162	70.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havels, Polycabe Golster)		R/M		
163	95.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havels, Polycabe Golster)		R/M		

164	120.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havel, Polycabe Golster)		R/M		
165	150.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havel, Polycabe Golster)		R/M		
166	185.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havel, Polycabe Golster)		R/M		
167	240.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havel, Polycabe Golster)		R/M		
168	300.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havel, Polycabe Golster)		R/M		
169	400.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havel, Polycabe Golster)		R/M		
170	500.00 Sq mm 3 & 1/2 core Armoured U.G. Cable (Havel, Polycabe Golster)		R/M		
171	4.00 Sq mm Size Aluminium Cable lug		each		
172	6.00 Sq mm Size Aluminium Cable lug		each		
173	10.00 Sq mm Size Aluminium Cable lug		each		
174	16.00 Sq mm Size Aluminium Cable lug		each		
175	25.00 Sq mm Size Aluminium Cable lug		each		
176	35.00 Sq mm Size Aluminium Cable lug		each		
177	50.00 Sq mm Size Aluminium Cable lug		each		
178	70.00 Sq mm Size Aluminium Cable lug		each		
179	95.00 Sq mm Size Aluminium Cable lug		each		
180	120.00 Sq mm Size Aluminium Cable lug		each		
181	150.00 Sq mm Size Aluminium Cable lug		each		
182	185.00 Sq mm Size Aluminium Cable lug		each		
183	240.00 Sq mm Size Aluminium Cable lug		each		
184	300.00 Sq mm Size Aluminium Cable lug		each		
185	400.00 Sq mm Size Aluminium Cable lug		each		
186	500.00 Sq mm Size Aluminium Cable lug		each		
187	25.00 mm dia medium duty G.I. Pipe		R/M		
188	32.00 mm dia medium duty G.I. Pipe		R/M		
189	40.00 mm dia medium duty G.I. Pipe		R/M		
190	50.00 mm dia medium duty G.I. Pipe		R/M		
191	65.00 mm dia medium duty G.I. pipe		R/M		

192	100.00 mm dia medium duty G.I. Pipe		R/M		
193	1.00 ton A/C with all accessories excluding starter box		each		
194	1.5 ton A/C with all accessories excluding starter box		each		
195	2.00 ton A/C with all accessories excluding starter box		each		
196	6 SWG G.I. Earth wire		K/G		
197	8 SWG G.I. Earth wire		K/G		
198	12 SWG G.I. Earth wire		K/G		
199	14 SWG G.I. Earth wire		K/G		
200	3-phase, 440 V Aerial Bunch cable (Havels, HPL, Polycab)		R/M		
201	3-phase, 11 KV Aerial Bunch cable (Havels, HPL, Polycab)		R/M		
202	Aerial Bunch cable junction box with complete fitting accessories		R/M		
203	Piercing Connectors for Aerial Bunch cable		each		
204	3-phase, 440 V Aerial cable joint kit (Cable-to-cable)		each		
205	3-phase, 440 V Aerial cable joint kit (Cable-to-transformer)		each		
206	Galvanised LT Cross arm for Aerial cable		each		
207	Pole Mounting Aluminium Panel Board (Sintex)		each		
208	LT Danger Plate		each		
209	40 Watt Twin-dome aviation light with accessories		each		
210	50 Watt Twin-dome aviation light with accessories		each		
211	50 mm GI Perforated cable tray		each		
212	100 mm GI Perforated cable tray		each		
213	150 mm GI Perforated cable tray		each		
214	200 mm GI Perforated cable tray		each		
215	250 mm GI Perforated cable tray		each		
216	300 mm GI Perforated cable tray		each		

217	Single phase capacitor start- capacitor run 1 hp induction motor starter panel with accessories		each		
218	Single phase capacitor start- capacitor run 1.5 hp induction motor starter panel with accessories		each		
219	Single phase capacitor start- capacitor run 3 hp induction motor starter panel with accessories		each		
220	3 phase star-delta starter unit and panel for 10 hp induction motor with necessary connection and accessories		each		
221	3 phase star-delta starter unit and panel for 15 hp induction motor with necessary connection and accessories		each		
222	3 phase star-delta starter unit and panel for 30 hp induction motor with necessary connection and accessories		each		
223	3 phase star-delta starter unit and panel for 50 hp induction motor with necessary connection and accessories		each		
Street Light & High Mast pole					
224	410 SP 43 Length of pole = 10.00 metre. , Length of sections, Bottom = 5.20 m, Middle = 2.40 M, Top= 2.40 M, out side dia. & Thickness Bottom = 165.10 X 4.50 mm, Middle = 138.70 X 4.50 mm, Top= 114.3 X 3.65 mm (Bajaj, Philips, Valmont Nizone)		each		
225	410 SP 66 Length of pole = 12.00 metre. , Length of sections, Bottom = 5.80 m, Middle = 3.10 M, Top= 3.10 M, out side dia. & Thickness Bottom = 219.10 X 5.60 mm, Middle = 193.7 X 4.85 mm, Top= 165.10 X 4.50 mm (Bajaj, Philips, Valmont Nizone)		each		

226	Galvanized octagonal pole of following specification : Type BOP or equivalent - 6030 Hieght 6.00 m Dia. 70 Bottom & Dia. 130, sheet Thickness 3 mm, Base plate Dimensions (L X B X T) 220 X 220 X 12, Foundation Bolt, Bolt Size :- (no X dia.) 4 X 20 dia. pitch circle dia. PC 205, Bolt Length 600, Projected Bolt Length 100, Anchor plate thickness :- 4 mm (Bajaj, philips , Valmont, nizone)		each		
227	Galvanized octagonal pole of following specification : Type BOP or equivalent - 7030 Hieght 7.00 m Dia. 70 Bottom & Dia. 130, sheet Thickness 3 mm, Base plate Dimensions (L X B X T) 220 X 220 X 12, Foundation Bolt, Bolt Size :- (no X dia.) 4 X 20 dia. pitch circle dia. PC 205, Bolt Length 750, Projected Bolt Length 100, Anchor plate thickness :- 4 mm (Bajaj, philips , Valmont, nizone)		each		
228	Octagonal pole of following specification : Type BOP or equivalent - 8030 Hieght 8.00 m Dia. 70 Bottom & Dia. 135, sheet Thickness 3 mm, Base plate Dimensions (L X B X T) 225 X 225 X 16, Foundation Bolt, Bolt Size :- (no X dia.) 4 X 20 dia. pitch circle dia. PC 210, Bolt Length 750, Projected Bolt Length 100, Anchor plate thickness :- 4 mm (Bajaj, philips , Valmont, nizone)		each		

229	<p>Octagonal pole of following specification : Type BOP or equivalent - 8030 Hieght 8.00 m Dia. 70 Bottom & Dia. 135, sheet Thickness 3 mm, Base plate Dimensions (L X B X T) 225 X 225 X 16, Foundation Bolt, Bolt Size :- (no X dia.) 4 X 20 dia. pitch circle dia. PC 210, Bolt Length 750, Projected Bolt Length 100, Anchor plate thickness :- 4 mm (Bajaj, philips , Valmont, nizone)</p>		each		
230	<p>Octagonal pole of following specification : Type BOP or equivalent - 103 Hieght 10.00 m Dia. 70 Bottom & Dia. 175, sheet Thickness 3 mm, Base plate Dimensions (L X B X T) 275 X 275 X 16, Foundation Bolt, Bolt Size :- (no X dia.) 4 X 24 dia. pitch circle dia. PC 270, Bolt Length 750, Projected Bolt Length 125, Anchor plate thickness :- 4 mm (Bajaj, philips , Valmont, nizone)</p>		each		
231	<p>Octagonal pole for the following : Type BOP or equivalent - Height 25.00 m, for high mast lighting and foundation dimension 10 X 10 X 7 cubic feet (L X B X H), Projected Bolt length 300, Anchor plate thickness 10 mm (Nezone, TATA, Valmont) along with head frame and necessary foundation bolts.</p>		each		
232	<p>Octagonal pole for the following : Type BOP or equivalent - Height 30.00 m, for high mast lighting and foundation dimension 12 X 12 X 8 cubic feet (L X B X H), Projected Bolt length 325, Anchor plate thickness 15 mm (Nezone, TATA, Valmont) along with head frame and necessary foundation bolts.</p>		each		

Electrical Decorative items

233	36 watt LED Tube Set (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
234	18 watt LED Bulb (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
235	15 watt LED Bulb (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
236	12 watt LED Bulb (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
237	9 watt LED Bulb (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
238	3 watt LED Bulb (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
239	0.5 watt LED Bulb (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
240	8 watt Recessed mounting sleek resquare LED downlight (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
241	15 watt Recessed mounting sleek resquare LED downlight (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
242	8 watt Recessed mounting sleek circular LED downlight (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
243	15 watt Recessed mounting sleek circular LED downlight (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
244	8 Watt ground light for garden illumination (Havels, Bajaj, Crompton, Phillips)		each		
245	15 Watt ground light for garden illumination (Havels, Bajaj, Crompton, Phillips)		each		
246	LED Rope light with IP-65 , IP-66 ingress protection and inbuilt SPD and Connector/ Adapter		each		

247	100 Watt Coloured Floodlight (Red/Blue/Green/Yellow/Pink) (Havels, Bajaj, Crompton, Phillips)		each		
248	150 Watt Coloured Floodlight (Red/Blue/Green/Yellow/Pink) (Havels, Bajaj, Crompton, Phillips)		each		
249	T5 LED Tube light with Set (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
250	T8 LED Tube light with Set (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
251	36 watt Tube light (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
252	36 watt Tube Ballast (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
253	Starter (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
254	36watt Tube holder (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
255	Insulation Tape		each		
256	Double sided Tape		each		
257	2.5 sqmm VIR Wire (Ajanta, Polycab)		coil		
258	4 sqmm VIR Wire (Ajanta, Polycab)		coil		
259	6 sqmm VIR Wire (Ajanta, Polycab)		coil		
Substation equipments					
260	33/11kv 10 MVA Transformer with OLTC & RTCC Panel		No.		
261	33/11kv 5 MVA Transformer with OLTC & RTCC Panel		No.		
262	33/11kv 3.15 MVA Transformer		No.		
263	33/11kv 2.5 MVA Transformer		No.		
264	33/0.433 kv 100 KVA Transformer		No.		
265	11/03 kv 16 KVA DTR (4 Star) - BIS Level - 2		No.		
266	11/0.4 kv 25 KVA DTR (4 Star) - BIS Level - 2		No.		
267	11/0.4 kv 63 KVA DTR (4 Star) - BIS Level - 2		No.		

268	11/0.4 kv 100 KVA DTR (4 Star) - Aluminium wound- BIS Level -2		No.		
269	11/0.4 kv 100 KVA DTR (4 Star) - Copper wound- BIS Level- 2		No.		
270	11/0.4 kv 250 KVA DTR (4 Star) - Aluminium wound- BIS Level- 2		No.		
271	11/0.4 kv 250 KVA DTR (4 Star) - Copper wound- BIS Level- 2		No.		
272	11/0.4 kv 315 KVA DTR (4 Star) - Copper wound- BIS Level- 2		No.		
273	11/0.4 kv 500 KVA DTR (4 Star) - Copper wound- BIS Level- 2		No.		
274	33 KV VCB with GI Mounting Structure		set		
275	33 KV SF6 Breaker with GI Mounting Structure		set		
276	33 KV Isolator earth switch and with GI Mounting Structure 400		set		
277	33 KV Isolator earth switch and with GI Mounting Structure 630		set		
278	33 KV Isolator earth switch and with GI Mounting Structure 800		set		
279	33 KV Isolator earth switch and with GI Mounting Structure 1250		set		
280	33 KV Isolator without earth switch but with GI Mounting		set		
281	33 KV Isolator without earth switch but with GI Mounting		set		
282	33 KV 1ph CT with GI Mounting structure & Marshaling Box (set comprising of three units)		set		
283	33 KV 1ph CT with GI Mounting structure & Marshaling Box (set comprising of three units)		set		
284	33 KV 1ph CT with GI Mounting structure & Marshaling Box (set comprising of three units) 400		set		
285	33 KV 1ph CT with GI Mounting structure & Marshaling Box (set comprising of three units)		set		

286	33 KV 1ph CT with GI Mounting structure & Marshaling Box (set comprising of three units)		set		
287	33 KV/110 V, 1ph PT with GI Mounting structure & Marshaling Box (set comprising of three units)		set		
288	33 KV 10 KA Lighting Arrestor with surge monitor & GI mounting		set		
289	33 KV 10 KA Lighting Arrestor with surge Counter & GI mounting		set		
290	33 KV LA Line Type		set		
291	33 KV C&R Panel for feeder (with numerical relay & static TVM)		No.		
292	33 KV C&R Panel for Transformer with differential relay (with numerical relay & static TVM)		No.		
293	33 KV 1250 A 31.5 KA/3 sec GIS Panels with cable termination kit inclusive & Retion 615 series		Unit		
294	11 KV 1250 A 31.5 KA/3 sec GIS Panels with cable termination kit inclusive & Retion 615 series		Unit		
295	11 KV outdoor VCB with GI sructure & Marshalling box		No.		
296	C & R Panel for 11 KV outdoor VCB		No.		
297	11 KV indoor VCB panel - 5 unit		No.		
298	11 KV indoor VCB panel - 7 unit		No.		
299	11 KV indoor VCB panel - 9 unit		No.		
300	11 KV indoor VCB panel - 11unit		No.		
301	11 KV isolator with earth switch & GI mounting structure		set		
302	11 KV outdoor CT with Marshalling box & GI mounting structure with connector 200-100/5-5A		set		
303	11 KV outdoor CT with Marshalling box & GI mounting structure with connector 600-300		set		
304	11 KV outdoor CT with Marshalling box & GI mounting structure with connector 600-300		set		

305	11 KV outdoor CT with Marshalling box & GI mounting structure with connector 200-100/5-5-2.87		set		
306	100 AH, 100 V Maintenance free Battery Bank		set		
307	11 KV outdoor PT with Marshaling box & GI mounting structure		set		
308	11 KV cable kit for XLPE 1 core 120 sqmm (Indoor)		No.		
309	11 KV cable kit for XLPE 1 core 120 sqmm (outdoor)		No.		
310	11 KV cable kit for XLPE 1 core 185 sqmm (indoor)		No.		
311	11 KV cable kit for XLPE 1 core 185 sqmm (outdoor)		No.		
312	11 KV cable kit for XLPE 1 core 240 sqmm (indoor)		No.		
313	11 KV cable kit for XLPE 1 core 240 sqmm (outdoor)		No.		
314	11 KV cable kit for XLPE 1 core 300 sqmm (indoor)		No.		
315	11 KV cable kit for XLPE 1 core 300 sqmm (outdoor)		No.		
316	11 KV cable kit for XLPE 1 core 400 sqmm (indoor)		No.		
317	11 KV cable kit for XLPE 1 core 400 sqmm (outdoor)		No.		
318	11 KV cable kit for XLPE 1 core 50 sqmm (indoor/outdoor)		No.		
319	11 KV cable kit for XLPE 1 core 630 sqmm (indoor)		No.		
320	11 KV cable kit for XLPE 1 core 630 sqmm (outdoor)		No.		
321	11 KV cable kit for XLPE 1 core 70 sqmm (indoor/outdoor)		No.		

322	11 KV cable kit for XLPE 1 core 120 sqmm (indoor/outdoor)		No.		
323	11 KV cable kit for XLPE 1 core 150 sqmm (indoor/outdoor)		No.		
324	11 KV cable kit for XLPE 3 core 185 sqmm (indoor)		No.		
325	11 KV cable kit for XLPE 3 core 185 sqmm (outdoor)		No.		
326	11 KV cable kit for XLPE 3 core 840 sqmm (indoor)		No.		
327	11 KV cable kit for XLPE 3 core 240 sqmm (outdoor)		No.		
328	11 KV cable kit for XLPE 3 core 300 sqmm (indoor)		No.		
329	11 KV cable kit for XLPE 3 core 300 sqmm (outdoor)		No.		
330	11 KV cable kit for XLPE 3 core 50 sqmm (indoor/outdoor)		No.		
331	11 KV cable kit for XLPE 3 core 70 sqmm (indoor/outdoor)		No.		
332	11 KV cable kit for XLPE 3 core 95 sqmm (indoor/outdoor)		No.		
333	11 KV Disc insulator (Porcelain) 45 kn (B & S Type)		No.		
334	11 KV Disc insulator (Porcelain) 45 kn (T & C Type)		No.		
335	11 KV Disc insulator (Porcelain) 70 kn (B & S Type)		No.		
336	11 KV Disc insulator (Porcelain) 70 kn (T & C Type)		No.		
337	11 Kv DO fuse 150 A		set		
338	11 KV GI Pin		No.		
339	11 KV GOAB switch 400 Amp		set		
340	11 KV GOAB switch 150 Amp		set		

341	11 KV GOAB switch 150 Amp with Horn Gap fuse unit		set		
342	11 KV Guy Insulator (Porcelain)		No.		
343	11 KV Pin Insulator (Porcelain)		No.		
344	11 KV Polymeric Disc Insulator 45 Kn		No.		
345	11 KV Polymeric Disc Insulator 70 Kn		No.		
346	11 KV Polymeric pin Insulator		No.		
347	11 KV Polymeric post Insulator		No.		
348	11 KV post Insulator (Porcelain)		No.		
349	11 Kv XLPE Cable 1 core 185 sqmm (Aluminium)		mtr		
350	11 Kv XLPE Cable 1 core 240 sqmm (Aluminium)		mtr		
351	11 Kv XLPE Cable 1 core 300 sqmm (Aluminium)		mtr		
352	11 Kv XLPE Cable 1 core 50 sqmm (Aluminium)		mtr		
353	11 Kv XLPE Cable 1 core 630 sqmm (Aluminium)		mtr		
354	11 Kv XLPE Cable 1 core 70 sqmm (Aluminium)		mtr		
355	11 Kv XLPE Cable 1 core 120 sqmm (Aluminium)		mtr		
356	11 Kv XLPE Cable 1 core 400 sqmm (Aluminium)		mtr		
357	11 Kv XLPE Cable 3 core 95 sqmm (Aluminium)		mtr		
358	11 Kv XLPE Cable 3 core 240 sqmm (Aluminium)		mtr		
359	11 Kv XLPE Cable 3 core 300 sqmm (Aluminium)		mtr		
360	11 Kv XLPE Cable 3 core 400 sqmm (Aluminium)		mtr		
361	11 Kv XLPE Cable 3 core 95 sqmm (Aluminium)		mtr		

362	11 Kv XLPE Cable 3 core 50 sqmm (Aluminium)		mtr		
363	11 Kv XLPE Cable 3 core 70 sqmm (Aluminium)		mtr		
364	11 Kv XLPE Cable 3 core 120 sqmm (Aluminium)		mtr		
365	11 Kv XLPE Cable 3 core 185 sqmm (Aluminium)		mtr		
366	11 KV XLPE insulated ABC 3C x 120 sqmm + 1C x 95 sqmm (Messenger)		mtr		
367	11 KV XLPE insulated ABC 3C x 150 sqmm + 1C x 120 sqmm (Messenger)		mtr		
368	11 KV XLPE insulated ABC 3C x 95 sqmm + 1C x 70 sqmm (Messenger)		mtr		
369	11 KV XLPE insulated ABC 3C x 50 sqmm + 1C x 35 sqmm (Messenger)		mtr		
370	11 KV CT		No.		
371	11 KV PT		No.		
372	11 KV Auto Reclousure		No.		
373	11 KV Combined CT/PT		No.		
374	11 KV Non Communicable Fault Passage Indicator (Set of Three)		set		
375	11 KV RMU (20 KA, 630 A 3 way extensible)		set		
376	11 KV RMU (20 KA, 630 A 3 way non extensible)		set		
377	11 KV RMU (20 KA, 630 A 4 way extensible)		set		
378	11 KV RMU (20 KA, 630 A 4 way extensible)		set		
379	11 KV Sectionalizer		set		
380	11 KV Sectionalizer having provision of earth switch		set		
381	11 KV 9ka Lighting Arrestor line type		set		
382	11 KV 9 KA (Lightening Arrestor line type		set		
383	11 KV Cable kit for XLPE 1 core 95 sqmm (indoor/ outdoor)		set		
384	150 AH 110 V Maintenance Free Vattery Bank		set		
385	2" Aluminium Tyube		set		

386	2.5" Aluminium tube		set		
387	24 volt Station Battery		set		
388	30 volt Station Battery		set		
389	33 KV Cable kit for XLPE 1 core 240 sqmm (indoor)		No.		
390	33 KV Cable kit for XLPE 1 core 240 sqmm (outdoor)		No.		
391	33 KV Cable kit for XLPE 1 core 300 sqmm (indoor)		No.		
392	33 KV Cable kit for XLPE 1 core 300 sqmm (outdoor)		No.		
393	33 KV Cable kit for XLPE 1 core 400 sqmm (indoor)		No.		
394	33 KV Cable kit for XLPE 1 core 400 sqmm (outdoor)		No.		
395	33 KV Cable kit for XLPE 1 core 600 sqmm (indoor)		No.		
396	33 KV Cable kit for XLPE 1 core 600 sqmm (outdoor)		No.		
397	33 KV Cable kit for XLPE 3 core 185 sqmm (outdoor push on type)		No.		
398	33 KV Cable kit for XLPE 3 core 240 sqmm (outdoor push on type)		No.		
399	33 KV Cable kit for XLPE 3 core 300 sqmm (outdoor push on type)		No.		
400	33 KV Cable kit for XLPE 3 core 400 sqmm (outdoor push on type)		No.		
401	33 KV Cable kit for XLPE 3 core 630 sqmm (outdoor push on type)		No.		
402	33 KV Combined CT/PT		No.		
403	33 KV DO fuse 150A		set		
404	33 KV GI Pin		No.		
405	33 KV GOAB switch 500 Amp		No.		
406	33 KV pin Insulator (Porcelain)		No.		
407	33 KV Polymer Disc insulator 70 kn		No.		

408	33 KV Polymeric Disc insulator 90 kn		No.		
409	33 KV Polymeric pin insulator		No.		
410	33 KV Polymeric post insulator		No.		
411	33 KV Polymeric post insulator (porcelain)		No.		
412	33 KV RMU (20KA, 630 A 3 way non-extensible)		set		
413	33 KV XLPE insulated ABC 3C x 120 sqmm + 1C x 150 sqmm (Messenger)		Mtr		
414	33 KV XLPE insulated ABC 3C x 185 sqmm + 1C x 240 sqmm (Messenger)		Mtr		
415	33 KV XLPE insulated ABC 3C x 95 sqmm + 1C x 95 sqmm (Messenger)		Mtr		
416	33 KV XLPE cable 1 core 120 sqmm (Aluminium)		Mtr		
417	33 KV XLPE cable 1 core 185 sqmm (Aluminium)		Mtr		
418	33 KV XLPE cable 1 core 240 sqmm (Aluminium)		Mtr		
419	33 KV XLPE cable 1 core 400 sqmm (Aluminium)		Mtr		
420	33 KV XLPE cable 1 core 630 sqmm (Aluminium)		Mtr		
421	33 KV XLPE cable 1 core 300 sqmm (Aluminium)		Mtr		
422	33 KV XLPE cable 3 core 120 sqmm (Aluminium)		Mtr		
423	33 KV XLPE cable 3 core 185 sqmm (Aluminium)		Mtr		
424	33 KV XLPE cable 3 core 240 sqmm (Aluminium)		Mtr		
425	33 KV XLPE cable 3 core 400 sqmm (Aluminium)		Mtr		
426	33 KV XLPE cable 1 core 95 sqmm (Aluminium)		Mtr		
427	33 KV Auto Reclosure		KM		

428	33 KV Guy insulator (Porcelain)		KM		
429	AAA "DOG" Conductor		KM		
430	AAA "Panther" Conductor		KM		
431	AAA "Rabbit" Conductor		KM		
432	AAA "Raccon" Conductor		KM		
433	AAA "Squirrel" Conductor		KM		
434	AAA "Weasel" Conductor		KM		
435	AAA "Wolf" Conductor		KM		
436	ACDB		KM		
437	ACSR "Squirrel" Conductor		KM		
438	ACSR "Weasel" Conductor		KM		
439	ACSR "DOG" Conductor		KM		
440	ACSR "Panther" Conductor		KM		
441	ACSR "Rabbit" Conductor		KM		
442	ACSR "Raccon" Conductor		KM		
443	ACSR "Wolf" Conductor		KM		
444	Aluminium Lugs (Assorted)		DZ		
445	Al. Bimetalic Wire		Kg		
446	Anchore Clamp wedge type LT ABC as per NFC Standard		No.		
447	ASA Distribution box for 140 Am, 1PH, 6 connectors with spring loaded bushar system		No.		
448	ASA Distribution box for 140 Am, 1PH, 10 connectors with spring loaded bushar system		No.		
449	GI Barbed wire type A		Kg		
450	Battery charger for charging 24 volts station battery & Hrs. backup		set		
451	Battery charger for charging 30 volts station battery & Hrs. backup		set		
452	Battery charger suitable for 100 AH 110 Battery bank		set		
453	Battery charger suitable for 150 AH 110 Battery bank		set		
454	Bimetalic Lug		No		
455	Boulder		CM		

456	Buckle for steel strap for DB fixing		No.		
457	cable and caps for ABC cables		No.		
458	Cable kit for 50 sqmm		No.		
459	cable tie		No.		
460	CI earth pipe 1.8 m inner dia 100 mm, outer dia 110 mm		No.		
461	CI spun pipe class 1 A type 300 mm dia 5.5 m length		No.		
462	socket for CI spun pipe 300 mm dia		No.		
463	Combined 24 volt station battery charger, DCDB with LTAC panel		set		
464	Construction of cable trenches size (950 x 450) mm for control cable including supply of all materials and labour as per specification and drawing		Mtr		
465	Construction of cable trenches size (1260x 650) mm for control cable including supply of all materials and labour as per specification and drawing		Mtr		
466	Construction of fire wall between trasformer as per specification		job		
467	Control cable copper 10 core x 2.5 sqmm		Mtr		
468	Control cable copper 1core x 2.5 sqmm (unarmoured)		Mtr		
469	Control cable copper 2 core x 2.5 sqmm		Mtr		
470	Control cable copper 4core x 2.5 sqmm		Mtr		
471	Control cable copper 7 core x 2.5 sqmm		Mtr		
472	DCDB		set		
473	Disc insulator 45 KN (T&C) porcelain		No.		
474	Disc insulator 70 KN (B&C) porcelain		No.		
475	DTR Cubicle for 25 KVA DTRs (comprising of requisite MCCB, Static TVM, CT, V-meter, A-meter etc)		set		

476	DTR Cubicle for 63 KVA DTRs (comprising of requisite MCCB, Static TVM, CT, V-meter, A-meter etc)		set		
477	DTR Cubicle for 100 KVA DTRs (comprising of requisite MCCB, Static TVM, CT, V-meter, A-meter etc)		set		
478	DTR Cubicle for 250 KVA DTRs (comprising of requisite MCCB, Static TVM, CT, V-meter, A-meter etc)		set		
479	DTR Cubicle for 315 KVA DTRs (comprising of requisite MCCB, Static TVM, CT, V-meter, A-meter etc)		set		
480	DTR Cubicle for 500 KVA DTRs (comprising of requisite MCCB, Static TVM, CT, V-meter, A-meter etc)		set		
481	DTR Fencing as per REC standard specification complete with material and labour		set		
482	Earth filling with river sand earthwork in filling, levelling, compacting grading etc as per site condition and technical specification		CM		
483	GI channel cross arm (75x40x6x2200)mm		No.		
484	GI 11kv T-cross arm with angle size 50x50x6 mm		No.		
485	GI 33kv V-cross arm with channel size 100x50x6 mm		No.		
486	GI angle (40x40x5)mm		Mtr		
487	GI angle (50x50x6)mm		Mtr		
488	GI Channel cross arm (100x50x6x2200)mm		No.		
489	GI Channel cross arm (100x50x6x2800)mm		No.		
490	GI Channel cross arm (100x50x6x3200)mm		No.		
491	GI Channel cross arm (100x50x6x500)mm		No.		
492	GI Channel (100x50x6)mm		Mtr		
493	GI Channel (150x75x6)mm		No.		
494	GI Channel (75x40x6)mm		Mtr		
495	GI LT Angle cross arm (40x40x6x500)mm		no.		

496	GI Nuts and bolts with GI washer (assorted)		Kg		
497	GI Pipe 50 mm dia 3m length		No.		
498	GI Shackle strap with bolts		No.		
499	GI Steel tubular poles SP-22		No.		
500	GI Steel tubular poles SP-30		No.		
501	GI Steel tubular poles SP-56		No.		
502	GI Steel tubular poles SP-60		No.		
503	GI Steel tubular poles SP-66		No.		
504	GI Steel tubular poles SP-76		No.		
505	GI Steel tubular poles SP-80		No.		
506	GI Strip 25x3mm for DTR earthing		Mtr		
507	GI strip 50x6mm for DTR Neutral earthing		Mtr		
508	GI Top cleat (100x50x6x350)mm for 33KV		no.		
509	GI Stay wire 7/10 SWG		Kg		
510	GI Stay wire 7/14 SWG		Kg		
511	Grouting and muffling of steel pole as per specification		job		
512	Grouting of PSC pole with PCC		no.		
513	HT Danger plate		no.		
514	HT stay set		set		
515	Installation of earthing system with MS flats 50x10mm (for earthing mat) with GI flat riser, 25x6mm (for earthing conductor) and GI pipe 50 mm dia of length 3.00 m for earth electrodes including earth excavation, welding etc as necessary		sqm		
516	Insulated crimping type midspan joint (set containing 5 nos. ferrules as per cable) as per NFC std.		set		
517	Insulated water proof bimetallic lug for transformer connections (set contains 5 nos. lugs as per cable) as per NFC std.		set		
518	Insulating piercing connector IPC EP 95 for street lighting as per NFC std.		No		

519	Insulating piercing connector IPC EP 2X95 for AB to AB T-Connection as per NFC std.		No		
520	Insulating piercing connector IPC EP 2X95 for DB charging as per NFC		No		
521	Jointing sleeve for rabbit conductor		No		
522	Jointing sleeve for raccoon conductor		No		
523	Copper lighting spike for lighting protection		No		
524	LT Air circuit breaker (Microprocessor based) 3 pole, 400 A, 50 Ka		No		
525	LT Air circuit breaker (Thermal magnetic release type) 3 pole, 400 A, 50 Ka		No		
526	LT Air circuit breaker 3 pole 1250A, 50 ka (Microprocessor release electrical draw out type)		No		
527	LT Air circuit breaker 3 pole 1250A, 50 ka (Microprocessor release electrical fixed type)		No		
528	LT Air circuit breaker 3 pole 1250A, 50 ka (Microprocessor release Manual draw out type)		No		
529	LT Air circuit breaker 3 pole 1250A, 50 ka (Microprocessor release manual fixed type)		No		
530	LT Air circuit breaker 3 pole 630A, 50 ka (Microprocessor release electrical draw out type)		No		
531	LT Air circuit breaker 3 pole 630A, 50 ka (Microprocessor release electrical fixed type)		No		
532	LT Air circuit breaker 3 pole 630A, 50 ka (Microprocessor release manual draw out type)		No		
533	LT Air circuit breaker 3 pole 630A, 50 ka (Microprocessor release manual fixed type)		No		
534	LT Air circuit breaker 3 pole 800A, 50 ka (Microprocessor release electrical draw out type)		No		
535	LT Air circuit breaker 3 pole 800A, 50 ka (Microprocessor release electrical fixed type)		No		
536	LT Air circuit breaker 3 pole 800A, 50 ka (Microprocessor release manual draw out type)		No		

537	LT Air circuit breaker 3 pole 800A, 50 ka (Microprocessor release manual fixed type)		No		
538	LT Air circuit breaker 4 pole 1250A, 50 ka (Microprocessor release electrical draw out type)		No		
539	LT Air circuit breaker 4 pole 1250A, 50 ka (Microprocessor release electrical fixed type)		No		
540	LT Air circuit breaker 4 pole 1250A, 50 ka (Microprocessor release manual draw out type)		No		
541	LT Air circuit breaker 4 pole 630A, 50 ka (Microprocessor release electrical draw out type)		No		
542	LT Air circuit breaker 4 pole 630A, 50 ka (Microprocessor release electrical fixed type)		No		
543	LT Air circuit breaker 4 pole 630A, 50 ka (Microprocessor release manual draw out type)		No		
544	LT Air circuit breaker 4 pole 630A, 50 ka (Microprocessor release manual fixed type)		No		
545	LT Air circuit breaker 4 pole 800A, 50 ka (Microprocessor release electrical draw out type)		No		
546	LT Air circuit breaker 4 pole 800A, 50 ka (Microprocessor release electrical fixed type)		No		
547	LT Air circuit breaker 4 pole 800A, 50 ka (Microprocessor release manual draw out type)		No		
548	LT Air circuit breaker 4 pole 800A, 50 ka (Microprocessor release manual fixed type)		No		
549	LT CT 100/5A 0.5 class		No.		
550	LT CT 120/5A 0.5 class		No.		
551	LT CT 200/5A 0.5 class		No.		
552	LT CT 300/5A 0.5 class		No.		
553	LT CT 400/5A 0.5 class		No.		
554	LT CT 50/5		No.		
555	LT CT 75/5		No.		
556	LT CT 800/5A 0.5 class		No.		
557	LT Banger plate		No.		
558	LT GI Pin		No.		

559	LT Guy Insulator (Porcelain)		No.		
560	LT Pin Insulator (Porcelain)		No.		
561	LT Stay set		set		
562	LT XLPE insulated ABC 1c x 35 sqmm +1C x 25 sqmm (Meassenger cum neutral)		mtr		
563	LT XLPE insulated ABC 1c x 50 sqmm +1C x 25 sqmm (Meassenger cum neutral)		mtr		
564	LT XLPE insulated ABC 3c x 120 sqmm +1C x 95 sqmm (Meassenger cum neutral)		mtr		
565	LT XLPE insulated ABC 3c x 120 sqmm +1C x 95 sqmm (Meassenger cum neutral) + 1 x 25 sqmm for street light		mtr		
566	LT XLPE insulated ABC 3c x 50 sqmm +1C x 35 sqmm (Meassenger cum neutral)		mtr		
567	LT XLPE insulated ABC 3c x 70 sqmm +1C x 35 sqmm (Meassenger cum neutral)		mtr		
568	LT XLPE insulated ABC 3c x 95 sqmm +1C x 70 sqmm (Meassenger cum neutral)		mtr		
569	LT XLPE insulated ABC 3c x 95 sqmm +1C x 70 sqmm (Meassenger cum neutral) + 1 x 16 sqmm for street light		mtr		
570	LT XLPE insulated ABC 3c x 95 sqmm +1C x 95 sqmm (Meassenger cum neutral)		mtr		
571	LT XLPE 1 core 50 sqmm		mtr		
572	LT XLPE cable 1 core 120 sqmm (Aluminium)		mtr		
573	LT XLPE cable 1 core 35 sqmm (Aluminium)		mtr		
574	LT XLPE cable 1 core 50 sqmm (Aluminium)		mtr		
575	LT XLPE cable 1 core 75 sqmm (Aluminium)		mtr		
576	LT XLPE cable 1 core 95 sqmm (Aluminium)		mtr		
577	LT XLPE cable 1 core 240 sqmm (Aluminium)		mtr		
578	LT XLPE cable 1 core 400 sqmm (Aluminium)		mtr		
579	LT XLPE cable 1 core 500 sqmm (Aluminium)		mtr		
580	LT XLPE cable 1 core 630 sqmm (Aluminium)		mtr		
581	LT XLPE cable 1 core 150 sqmm (Aluminium)		mtr		

582	LT XLPE cable 1 core 185 sqmm (Aluminium)		mtr		
583	LT XLPE cable 1 core 300 sqmm (Aluminium)		mtr		
584	LT XLPE cable 3.5 core 120 sqmm (Aluminium) armoured		mtr		
585	LT XLPE cable 3.5 core 120 sqmm (Aluminium) un armoured		mtr		
586	LT XLPE cable 3.5 core 240 sqmm (Aluminium) armoured		mtr		
587	LT XLPE cable 3.5 core 25 sqmm (Aluminium) armoured		mtr		
588	LT XLPE cable 3.5 core 25 sqmm (Aluminium) un armoured		mtr		
589	LT XLPE cable 3.5 core 400 sqmm (Aluminium) armoured		mtr		
590	LT XLPE cable 3.5 core 50 sqmm (Aluminium) armoured		mtr		
591	LT XLPE cable 3.5 core 50 sqmm (Aluminium) un armoured		mtr		
592	LT XLPE cable 3.5 core 630 sqmm (Aluminium) armoured		mtr		
593	LT XLPE cable 3.5 core 95 sqmm (Aluminium) armoured		mtr		
594	LT XLPE cable 3.5 core 95 sqmm (Aluminium) un armoured		mtr		
595	MCCB 1000 A ICS = 100% ICU		No.		
596	MCCB 100 A ICS = 100% ICU		No.		
597	MCCB 200 A ICS = 100% ICU		No.		
598	MCCB 400 A ICS = 100% ICU		No.		
599	MCCB 630 A ICS = 100% ICU		No.		
600	MCCB 800 A ICS = 100% ICU		No.		
601	Metering cabinet		No.		
602	MS 11 KV T Cross Arm with angle size 50 X 50 X 6mm		No.		
603	MS 33 KV v Cross Arm with channel size 100 X 50 X 6mm		No.		

604	MS Angle (50 X 50 X 6) mm		No.		
605	MS Angle (50 X 50 X 5000) mm		No.		
606	MS Angle Cross Arm (100X50X6X2200)mm		No.		
607	MS Channel Cross Arm (100X50X6X2800)mm		No.		
608	MS Channel Cross Arm (100X50X6X3200)mm		No.		
609	MS Channel Cross Arm (100X50X6X5000)mm		No.		
610	MS Channel Cross Arm (75X50X6X2200)mm		No.		
611	MS Channel (100X50X6)mm		mtr		
612	MS Channel (75X40X6)mm		mtr		
613	MS LT Angle cross Arm (40 X 40 X 5X 500)mm		No.		
614	MS Nutl & Bolts with MS Washer (Assorted)		Kg		
615	MS Steel Tubular pole SP- 22		No.		
616	MS Steel Tubular pole SP- 30		No.		
617	MS Steel Tubular pole SP- 60		No.		
618	MS Steel Tubular pole SP- 66		No.		
619	MS Steel Tubular pole SP- 76		No.		
620	MS Steel Tubular pole SP- 80		No.		
621	MS Top clamp (100X50X6X350)mm		No.		
622	PCC Foundation (1:2:4) for 33 KV CT or PT or LA		No.		
623	PG clamp for AAAC panther		No.		
624	PG clamp for AAAC Raccon		No.		
625	PG clamp for AAAC Weasel		No.		
626	PG clamp for AAAC Wolf		No.		
627	Pole clamp of GI Flat 50X6 mm		No.		
628	Pole clamp of MS Flat 50X6 mm		No.		
629	PSC pole 7.5 m		No.		
630	PSC pole 8.5 m		No.		
631	PSC pole 9.75 m		No.		
632	PVC 4" supreme brand		No.		
633	PVC 4" supreme brand pipe 4kg pressure		mtr		
634	PVC 4" supreme brand pipe 6kg pressure		mtr		
635	PVC cable 10 sqmm A1		mtr		
636	PVC cable 1-core 2.5 sqmm copper		mtr		

637	PVC cable 2-core 2.5 sqmm alluminium		mtr		
638	PVC cable 2-core 2.5 sqmm copper		mtr		
639	PVC cable 2-core 25 sqmm alluminium		mtr		
640	PVC cable 2-core 35 sqmm alluminium		mtr		
641	PVC cable 2-core 50 sqmm alluminium		mtr		
642	PVC cable 2-core 95 sqmm alluminium		mtr		
643	Rail pole 10 mtr approx		No.		
644	RCC foundation for isolator (set)		set		
645	RCC foundation for RMU		each		
646	RCC foundation for VCB		each		
647	Roof top solar panel with net metering		Kwe		
648	RS joint pole (10 mtr) 175X85 mm		No.		
649	Shackle insulator porcelain		No.		
650	Steel strap for installing DB size 20 mm X 1m long		Mtr		
651	Suspension clamp ABC as per NFC standard		No.		
652	Suspension clamp for AAAC Raccon		No.		
653	Suspension clamp for AAAC Wolf		Set		
654	Switch yard chain link security fencing including of all materials complete with RCC footings beams brick walls etc. as per specification. The rate is inclusivhe of all materials and labour		RM		
655	Switch yard gravelling of 0.15 mtr. (thickness) by 40 mm size crushed stone		sqm		
656	Switch yard lighting (complete with 6 nos. of 40 w LED bulb with structure and accessories)		LS		
657	Tension clamp for AAAC Raccon		No.		
658	Tension clamp for AAAC Wolf		No.		
659	three phase whole current energy meter (secure make)		No.		
660	Transformer pad for station transformer complete as per specification		No.		
661	Transformer pad 50 MVA complete as per specification		job		

662	Transformer pad 2.5 MVA complete as per specification		job		
663	Transformer pad 5 MVA complete as per specification		job		
Switchgear items					
664	6 Amps SinglePole-MCB (Schneider, Legrand, hager, havells)		each		
665	6 Amps SinglePole-MCB with Box (Schneider, Legrand, hager, havells)		each		
666	20 Amps MCB with Box (Schneider, Legrand, hager, havells)		each		
667	40 Amps 4 Pole Isolator (Schneider, Legrand, hager, havells)		each		
668	63 Amps 4 Pole Isolator (Schneider, Legrand, hager, havells)		each		
669	100 Amps 4 Pole Isolator (Schneider, Legrand, hager, havells)		each		
670	40 Amps DP Isolator (Schneider, Legrand, hager, havells)		each		
671	63 Amps DP Isolator (Schneider, Legrand, hager, havells)		each		
672	100 Amps DP Isolator (Schneider, Legrand, hager, havells)		each		
673	63 Amps 4 Pole RCCB (Schneider, Legrand, hager, havells)		each		
674	40 Amps 4 Pole RCCB (Schneider, Legrand, hager, havells)		each		
675	40 Amps DP RCCB (Schneider, Legrand, hager, havells)		each		
676	40 Amps 4 Pole MCCB (Schneider, Legrand, hager, havells)		each		
677	63 Amps 4 Pole MCCB (Schneider, Legrand, hager, havells)		each		
678	100 Amps 4 Pole MCCB (Schneider, Legrand, hager, havells)		each		

679	200 Amps 4 Pole MCCB (Schneider, Legrand, hager, havells)		each		
Miscellaneous					
680	Welding Rod		each		
681	IP 20 LED strip (24 W 5 meter Roll)		R/M		
682	IP 65 W LED strip (72 W 5 meter Roll)		R/M		
683	IP 65 W LED strip (72 W meter driver)		R/M		
684	LED tuni light 5 Meter		each		
685	LED Tuni Light 10 Meter		each		
686	Bamboo		each		
687	Bamboo Ladder		each		
688	Aluminium Ladder (6 feet)		each		
689	Telescopic Expandable ladder		each		
690	415 V, 100 Amp, IP-65 Electrical copper bus-bar distribution box		each		
691	415 V, 200 Amp, IP-65 Electrical copper bus-bar distribution box		each		
692	415 V, 300 Amp, IP-65 Electrical copper bus-bar distribution box		each		
693	415 V, 500 Amp, IP-65 Electrical copper bus-bar distribution box		each		

694	<p>Supplying including installation, commissioning of vermin and dust proof totally enclosed, Phosphatised Powder Painted cubical outdoor type double door, floor mounting compartmentalize panel board of size 1.0M X0.8MX 0.40M made of 16 SWG (1.66 mm thick) C.R. sheet and 35mm X 35mm X 5mm size angle having 4 no legs at the bottom and C.R. sheet roofing on the top. The panel board is to be erected in 1:3:6 PCC foundation including excavation of trench and brick soling etc. complete neatly wiring done with provision for one no 630/800 A 4pole MCCB or Switch Fuse Unit as incomer and out going as specified and directed by the deptt. confirming to IP 65 protection comprising of the following electrical items:</p>		each		
	<p>1. 50mm X 10mm (4X2) strip copper Bus-Bar 0.20M length each 2. Digital 3 Phase Voltmeter Accuracy class 0.5 -1 no 3. Digital 3 Phase Ammeter Accuracy class 0.5 - 1 no 4. Pilot Lamp with integral ckt LED 110- 230 V (Red, Yellow, & Blue) - 3 nos 5. Voltmeter & Ammeter Selector Switch -2 nos 6. 2 A Slide fuse unit - 3nos (Incoming & Outgoing Switch Gear of reqd. rating will be measured and paid separately)</p>				
695	<p>11 mtr-15 mtr. Long octagonal street light pole cutting, lowering of hight, re-installation and termination using required tools and plants</p>		Job per pole		
696	<p>4 way PVC modular boxes with plate, (Havels, Bajaj, Crompton Greaves HPL , Philips)</p>		each		
	<p>6way PVC modular boxes with plate, (Havels, Bajaj, Crompton Greaves HPL , Philips)</p>		each		
697	<p>8way PVC modular boxes with plate, (Havels, Bajaj, Crompton Greaves HPL , Philips)</p>		each		
698	<p>12 way PVC modular boxes with plate, (Havels, Bajaj, Crompton Greaves HPL , Philips)</p>		each		

	PVC modular Blank Plate, (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
699	6 Amps modular Switch (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
700	6 Amps modular Socket (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
	16 Amps modular Switch (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
701	16 Amps modular Socket (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
702	6 Amps modular Bell push (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
	Calling Bell (Havels, Bajaj, Crompton Greaves HPL , Philips)		each		
Electrical Safety Equipments					
703	Reflective / Fluorescent Jacket		each		
704	Safety Helmet for Worker & Engineer		each		
705	Safety Leather Boots		set		
706	Medium duty, High powered LED torch light (Philips / Eveready / Wipro / Havells)		each		
707	Insulating gloves		set		
708	Welding Goggles		each		
709	Safety Belt		each		
710	Full body harness		each		
711	Hook Stick		each		
Measuring devices					
712	0-1000MOhm Insulation resistance Megger device kit with necessary specifications for insulation resistance measurement of Transformers, Induction motors and other electrical machines		each		
713	Digital Clampmeter for mesuring AC current up to 1000A		each		
714	Digital Multimeter V(AC & DC)/A/Ohm/Continuity with measuring probe		each		

715	240V Single phase drilling machine with accessories		set		
716	Drill Bit of required size		each		
Electrical Tools					
717	LN Key Set		Each		
718	Flashlight		Each		
719	Corded Electric Impact Drill Kit		Each		
720	Pipe Bender		Each		
721	Channel Locks		Each		
722	Torpedo Level		Each		
723	Punch Down tool		Each		
724	Voltage/Livewire Tester		Each		
725	Needle nose pliers		Each		
726	Linesmen Pliers		Each		
727	Screw Driver set		Each		
728	Hacksaw		Each		
729	Wire stripper		Each		
730	Wire Nut		Each		
731	Fish Tape		Each		
732	Utility Knife		Each		
733	Diagonal Pliers		Each		
734	Hammer		Each		
735	Crescent Wrench		Each		
736	Lock-out Tag-out		Each		
737	Hydraulic Lug Machine		Each		
Smart Street lighting with CCMS					
738	Supplying and fixing of 50mm dia G.I. Pipe (medium class) bracket for mounting of LED street light fitting on pole including bending the pipe to the required shape, 3Cx1.5Sqmm Weather proof AL Cable, flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required		Each		
739	Supply, Installation, testing and commissioning of high-quality group control enabled integrated LED Smart Street Light fittings with a minimum system lumen of 9800 Lm (+/- 5%) and system wattage not exceeding 70W (+/-5%) with dimmable feature.		Each		

740	<p>Enabling each of the installed 70W LED Smart light fittings with cloud-based group lighting management cabinet having the following specifications:</p> <p>Supply, Installation, Testing and Commissioning of cloud-based Smart Cabinet for Group lighting management solution for monitoring and control of streetlights. The Smart cabinet controller connects to a group of LED Smart streetlights. The light management software shall be hosted on the cloud. The system shall include cost of a SIM card for a period of (05) five years. The system shall be cabinet-based with the capability for Remote Management, Switching, Monitoring and Group Dimming of Street lights from one central place. The system shall control and monitor streetlight electrical cabinets remotely via wireless communications such as 2G/3G/4G/5G/LTE as one of the primary communications networks to the server/cloud. The cabinet shall be designed so that it is easily scalable to become a part of a small-area group control system or a city-wide group control system, as per the specifications mentioned in the RFP.</p> <p>Design, software as a service with a licence fee for a period of five (05) years (with free upgradation from time to time) for Group Control Cabinets, including the API documentation to enable integration with a common dashboard or smart city dashboard computer.</p>		Each		
741	<p>Supplying and Laying of XLPE insulated, PVC sheated cable of 1.1KV grade of following sizes of required length. 4C x 16 Sqmm unarmoured Al. Cable.</p>		Rm		
742	<p>Supplying and fixing of suitable Eye Hook for Aerial Bunch Cable.</p>		Each		
743	<p>Supplying and fixing of suitable Dead End fitting for Aerial Bunch Cable.</p>		Each		
744	<p>Supplying and fixing of suitable Piercing Connector (IPC) for Aerial Bunch Cable.</p>		Each		
745	<p>Supplying and fixing of suitable Clamp for PSC/GI /MS Pole for Aerial Bunch Cable.</p>		Each		
746	<p>Supplying and fixing of suitable Suspension clamp for Aerial Bunch Cable.</p>		Each		

747	Supplying fitting fixing of Weather proof junction box-IP-66		Each		
748	Supplying and fixing of LT Ariel Bunch Cable 1.1 kV Grade, Stranded and compacted Aluminium phase conductor and stranded messenger conductor with all aluminium alloy, phase conductor, Messenger and earthing is insulated with XLPE compound, as per IS 14255-1995 up to latest amendment of required size in the existing P.S.C./M.S/Galvanized pole with binding etc. with SWG GI wire-based pole earthing as required.		Rm		
749	Earthing with G.I. Earth pipe 4.5m long, 40mm dia including accessories and providing masonry enclosure with cover plate and having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.		Each		
750	Supplying and Laying 25mm x 5mm G.I. Strip at 0.50 m below ground as strip earth electrode, including connection/terminating with G.I. Nut, Bolt, spring washer, etc. as required (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm).		Rm		
751	Supplying fitting fixing of Three Phase electric meter including meter cabinet (as per APDCL approved Make)		Each		
752	Processing fee and Supervision charge to be paid to APDCL including supply and fixing of suitable MCB and required accessories for charging of the Three Phase electric meter.		kW		
753	Galvanized STP (SP-6) of following specification, including transportation, erection & other civil works including concreting, shuttering, foundation (as per APDCL approved Make)		Each		
Hiring Charges of Equipments					
754	Hire charge of Hydra Crane along with attached bucket and driver/operator		each per day		
755	Hire charge of 100 KVA Diesel Generator unit with operator		each per day		
756	Hire charge of 125 KVA Diesel Generator unit with operator		each per day		

757	Hire charge of 150 KVA Diesel Generator unit with operator		each per day		
758	Hire charge of 200 KVA Diesel Generator unit with operator		each per day		
759	Hire charge mechanised ladder vehicle accessible upto a height of 15 m		each per day		
760	Hire Charge of 200 Watts LED Flood Light Luminaries.		each per day		
761	Hire Charge of Ceiling Fan		each per day		
762	Hire Charge of Lug Machine		each per day		
763	Hire Charge of Plug Point.		each per day		
764	Hire Charge of Main Line Service.		each per day		
	a) 4 x 50.00 Sq.mm.				
	Hire Charge of Sub - Main Line Service.		each per day		
	a) 2 x 10.00 Sq.mm P.V.C. Wire. b) 4.00 Sq.mm and 2.5.00 Sq.mm P.V.C. Wire.				
765	Hire Charge of Panel Board with Change - Over Switch		each per day		
766	Hire Charge of DI Pick up Van with Driver and 5 Ltr. POL		each per day		
767	Hire Charge of Hydra with Driver and 10 Ltr. POL		each per day		
	A) Name and Sign of Bidder:				
	B) Address of the Bidder:				
	C) Pan No.:				
	D) GST No.:				