

No.: PHE/MDNS/DB/4244-50

Dated: 31-08-2023

M/s S. B. Electricals
Botingoo Sopore - 193201
GST No: 01AXDPB3833G3Z5
Contact No: 6005791427

Adv. Cost:	Rs 5.399 Lacs
Allotted Cost:	Rs 3.941 Lacs

Subject: Creation of 63KVA electric sub-station for filtration plant of lift WSS Goom Ahmadpora Tantraypora under JJM.

Reference:

1. This office e-NIT No.: e-NIT No. 29 of 2023-24, S. No. 04 issued under endorsement No.: PHE/MDNS/DB/3505-10, dated: 12-08-2023.
2. Authorization awarded by Member Secretary DJJM Superintending Engineer, Jal Shakti, Hydraulic Circle Baramulla/Bandipore HQ at Sopore vide No. SE/Hyd/DB/_____, dated: _____.

Dear Sir,

For and on behalf of Lt. Governor of J&K U.T contract for execution of “*Creation of 63KVA electric sub-station for filtration plant of lift WSS Goom Ahmadpora Tantraypora under JJM*” is hereby awarded to your firm on the quoted/negotiated rates, as per 'General Terms & Conditions' and 'Schedule of cost and quantities' annexed herewith as under:

Annexure A: General Terms & Conditions.

Annexure B: Schedule of cost and quantities.

Encl. leaves

Sd/-
Executive Engineer
Jal Shakti PHE Mechanical Division (North)
Sopore

Copy to the:

1. Chief Engineer Jal Shakti (PHE) Department Kashmir, Srinagar for favour of information.
2. District Development Commissioner _____, for favour of information.
3. Superintending Engineer Jal Shakti (PHE) Mechanical Circle (North) Srinagar, for favour of information.
4. Superintending Engineer Jal Shakti (PHE) Hydraulic Circle _____ HQ at _____, for favour of information.
5. Executive Engineer Jal Shakti (PHE) Division _____, for favour of information.
6. Provisional Head, TPIA JJM Kashmir, (WAPCOS Limited) Corporate Office 76-C Institutional area Sector-18 Gurugram-122015 (Haryana) for favour of information.
7. Assistant Executive Engineer Jal Shakti (PHE) Mechanical Sub-Division _____ for information & necessary action.
8. File concerned.

ANNEXURE "A" to this office Allotment Order No: PHE/MDNS/DB/4244-50, dated: 31-08-2023

Name of work: Creation of 63KVA electric sub-station for filtration plant of lift WSS Goom Ahmadpora Tantraypora under JJM.

General Terms and Conditions

1. **Completion period:** The work shall have to be completed by you strictly in accordance with the approved specification/departmental requirements under the close supervision of the concerned Sub-Division within a period of **90 days**, from the date of issuance of allotment order, failing which penalty as per the relevant clause below shall be imposed.
2. **Third Party Monitoring:** The allotted works shall be subject to check by the third-party monitoring agency appointed by the Department in Kashmir. The agency shall check the quality of works executed by the agencies, quality of materials used for construction and quality of machinery installed in each scheme. The TPIAs role shall be that of an assistant to the Employer's Representative for the purpose of monitoring and evaluation of the performance of the Contract during the Contract Period
3. **Inspection and Testing Before Dispatch:** Before dispatch from the source of site of the OEM, the electro-mechanical equipment shall be inspected by a third-party inspection agency i.e. M/S CEIL/Rites etc. New Delhi. The charges for the inspection shall be borne by the Department. However, the Firm (Bidder) shall make payment to the Inspection Agency (in case of 3rd Party Inspection) which shall subsequently be reimbursed by the Department. The successful tenderer shall intimate the Department and the Inspecting Agency/Authority in advance regarding the readiness of the equipment for dispatch and shall furnish test certificates.

It shall be responsibility of the suppliers to tie up with the third party nominated for inspection and get necessary inspection of the material done within the delivery period. Any delay on the part of the third party shall not be entertained as an excuse for timely supply of material/execution of work.

The product/ material at site shall be inspected by Assistant Executive Engineer concerned or any other official(s) of the department designated by the concerned Executive Engineer. Any modifications to the works as specified in the specifications considered to be necessary for smooth and trouble-free operation of the equipment by the Department or the third party inspection agency, the firm shall have to execute the same without any extra cost, to the best satisfaction of the department.

The firm shall as such keep the department informed about arrival of material at site. It shall be obligatory on the part of the firm to rectify the defects pointed out by the AEE, if any, and also to incorporate any modification within the scope of work which may be deemed necessary for better performance/finish and workmanship. The firm upon demand by the department or its representative shall rectify or replace defective unsuitable equipment.

The Department reserves the right to nominate its representative for inspection of the goods at the source of site of the supplier/manufacturers. As such the department at all reasonable times shall have access to the works and to the site and to all workshops and places where work is being executed and where material / manufactured articles and machinery are being obtained.

In case of Sub-Station and power/feeder lines, the firm shall have to obtain a clearance certificate from the concerned inspection Division of the Power Development Department.

The list of electromechanical equipment in which third party inspection from CEIL/RITES is to carried on

- 1) DG Set of >40KVA capacities
- 2) Pumping Unit > 40 HP (Horizontal and Vertical)
- 3) Valves >300 mm
- 4) Pipe of all size
- 5) Iron Removal Plant

For items other than those manufacturers test certificate shall have to be provided.

At the time of installation, the firm will provide Third party inspection of machinery at source of site of respective OEM's which shall be undertaken only for equipment which are not available off the shelf. For rest of the equipment, test certificate, warranty documents along with necessary performance curve and data sheet duly signed by the representative of the OEM/authorized dealer and countersigned by the concerned firm shall be furnished by the firm.

4. **Transit Insurance:** The electro-mechanical equipment required for water supply schemes shall be insured through a Nationalized Insurance Company up to its final destination, against all transit risks. The firm should, therefore,

take appropriate insurance policy in advance for covering the transit of the goods, charges for which shall be borne by the tenderer and shall be included in his quoted rates. The department shall pay no extra charges on this account.

5. **Mode of Dispatch:** The firm/contractor shall be responsible to adhere to transportation rules and regulations and the department shall not be responsible for any accident.
6. **Performance Security:** The successful bidder on award of the contract shall furnish a performance security equivalent to 03% of the value of the contract within one week of the issuance of allotment order in the shape of CDR/FDR/Bank Guarantee, valid for a period of three months beyond the completion period of the contract:
 - a. Safeguard against material and manufacturing defects, bad workmanship, improper design etc.
 - b. Successful execution of the contract and fulfillment of the conditions of the agreement.
 - c. Satisfactory performance of equipment in terms of the agreement.
7. **Terms of Payment for Electro-Mechanical Component:**
 - a. 70% (Seventy Percent) payment shall be released on receipt of material/equipment on Pro-Rata as per the allotment order and verification by the concerned Assistant Executive Engineer, thereof.
 - b. 20% (Twenty Percent) payment shall be released after installation and testing of the equipment.
 - c. Balance 10% (Ten Percent) shall be released after successful commissioning of the system and trial run of 01 month.

However, 10% on account of DLP shall be deducted from each running bill which shall be released after completion of DLP and satisfactory performance of the equipment for the period of 12 months.
8. **Warranty:** The firm shall be bound for satisfactory performance of equipment/ works for 12 months after the successful completion of trial run of 01 Month or whichever is later. If during warranty period any malfunctioning/ defects arise, the firm /joint venture shall have to rectify the same within a period of 03 days of receipt of intimation. In case of any failure on the part of the firm/joint venture to remove the defect, the Department may get the defects removed/ repaired by any other agency and cost thereof shall be recovered from the firm / joint venture and shall be recommended for further punitive action as governed under the relevant clause of the contract including blacklisting.
9. **Trial Run:** After Completion of the work the firm will have to make a trial run of the scheme for a period of 01 Month during which the bidder will have to operate through staff provided by the department and maintain the executed work to the full satisfaction of the Department. During this period, he will provide training to the staff and will also carry out maintenance work at his cost and risk, if required.
10. **Defect Liability Period (DLP):** The defect Liability period shall be for a period of 12 Months which shall commence after the successful completion of Trial run, during the defects Liability period (DLP) as it is required for its successful running and as per Standard Engineering Practices, to the full satisfaction of the department. The bidder shall be responsible to make good & remedy at his own expense any defect in works which is noticed during the DLP. In case any defect remains unattended by the firm at the completion of DLP, the department may extend the DLP for such time as deemed fit for getting the defect rectified subject to a maximum ceiling of 6 Months.
11. **Liquidated damages (LD):** In the event of firm's/joint venture failing, declining, neglecting or delaying the supplies / works or in the event of any damage occurring or being caused by the firm/ joint venture or in the event of any default or failure by the firm in complying with any of the terms and conditions of the contract, the Department shall with or without prejudice to any other remedies available to it under any law for the time being enforce in the UT:
 - a) Terminate the contract after 15 days' notice
and/or
 - b) Recover the amount of loss caused by damage, failure or default, as may be determined by the department.
and/or
 - c) Recover the extra cost, if any, involved in allotting contract to other party.
and/or

d) Impose Liquidated damages on account of delay beyond the schedule completion period to the tune of 0.5% of the delayed portion of contract every week but not exceeding 10% value of the contract.

and/or

e) Forfeit the performance security and blacklist the firm.

12. **Force Majeure:** Any failure or commission to carry out the provision of the contract shall not give rise to any claim by the department or bidder one against the other if such failure of commission arises from the 'ACT OF GOD' which shall include all natural calamities such as fires, floods, earthquake, hurricane, strikes, riots, embargoes or from any political or other reasons beyond the control of the parties including war, or a state of insurgency.
13. **Arbitration:** Any Dispute or difference arising between the department and bidder shall be dealt in accordance with the Arbitration and Conciliation Act 1996 and rules thereof. Any dispute arising between the firm and the department shall be settled within the jurisdiction of UT of Jammu and Kashmir.
14. **Penalty clause:** The firm shall ensure that the material/workmanship should conform to NIT specifications and relevant technical codes. In case the firm fails to supply the equipment or does not execute the work in accordance with the specifications or backs out from the contract or there is delay in completion of work beyond the stipulated time, the Department shall terminate the contract and recover the extra cost involved. In addition to this the department shall forfeit the earnest money and performance bank guarantee and may impose penalty up to 10% of the contract value at the discretion of Chief Engineer Jal Shakti (PHE) Dept Kashmir. The firm shall also be liable for all civil and criminal prosecutions under law if the specifications of the supplied equipment/ material used are found in contravention to the specification of the e-NIT.
15. **Safety of Govt. Infrastructures:** The firm should ensure the safety of the water supply lines, sewer lines, telephone cables, power cables, storm water drains etc., pipe laying alignment and, if any damage occurs during execution, it should be attended immediately at the cost of the bidder. Failing to attend immediately, the same will be got done by the Department at the risk and cost of the bidder.
16. **Firm's risk and insurance:** All risks of loss or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract are the responsibility of the firm.
17. **Subletting of Work: The bidder shall not sublet the whole or part of the work.** The bidder shall not assign the work or any part thereof or any benefit or any interest thereon or any claim arising of the contract, without prior written consent of the allotting authority.
18. **Work under Bidder's Charge:** From the commencement of the work to the completion thereof the same shall be under the bidder's charge. The bidder shall be held responsible for and make good any loss or injuries by fire or other causes / theft and shall hold the Government harmless for any claims for injuries to persons or damage to property happening from any neglect, default, want of proper care and misconduct on the part of the bidder, or any of his employees, during the execution of work. The bidder shall be responsible for the compensation if any, to labour under the existing labour laws of the country.
19. **Firm to Maintain Site Office:** The bidder shall provide and maintain, at his own cost a suitable site office at the site of Work to which the Department may send communications/ instructions.
20. **Claims to be put in writing:** The Department shall not be liable to the firm for any matter or thing arising out of or in connection with the contract or the execution, completion and maintenance of the work unless the bidder puts a claim in writing in respect thereof before getting the certificate of final completion.
21. **Setting out of works:** The bidder shall be responsible for the time and proper setting out of all the works and for the correctness of the positions, levels, dimensions and alignment of all parts of the works and for the provision of all necessary instruments, appliances, electricity and labour in connection therewith.
22. **Labour:** The bidder shall make his own arrangements for the engagement of all types of the labour, required for the execution of the job. No workman below the age of 18 years shall be employed on the works. Also, the bidder shall comply with the provisions of all labour laws and the rules framed there under.
23. **Storage at Site:** The bidder shall at his own cost make arrangements for proper storage especially towards Rain and Snow damages of the equipment/ materials at sites till its erection/completion. For the purpose the bidder shall, with the approval of Engineer in charge construct temporary storage accommodation for equipment/ material at site for which land shall be provided by the department near the site of work.

24. **Bidder Death, Becoming Insolvent Or Imprisoned:** In the event of the death or insanity or insolvency or imprisonment of the bidder or where the bidder being a partnership or firm becomes dissolved or being corporation goes into liquidation, voluntary or otherwise, the contract may, in the option of the Engineer-in-charge, be terminated by notice in writing posted at the site of the works.
25. **Watch and Ward of Works:** The bidder shall in connection with the work provide and maintain at his own cost all lights, guards, fencing and watch and ward, when and wherever necessary or required by the Department for the protection of the work or safety and convenience of the Public etc.
26. **Training of Departmental Staff:** The bidder shall arrange, at his own cost and risk, to depute at least one competent Technical Supervisor, to train up to 04 Departmental representatives in the operation and maintenance of the equipment at site. This training shall be for duration of at least (3) three consecutive months and shall commence from the date of successful commissioning of the equipment or as may be mutually agreed upon.

Two groups of Departmental Engineers shall also be deputed to bidders/manufacturers works for short duration to obtain training free of cost in the operation and maintenance of the equipment, if required by the department.

27. **Final Acceptance:** The equipment/work shall be accepted by the Department only after the system has been tested and has performed satisfactorily in all respects, at site, in accordance with the provisions of the contract.
28. **Drawing and Quality Assurance Plans:** The following details shall be necessarily furnished within Two (02) weeks of the date of placement of this order which shall be approved by the Department within two (02) weeks from the receipt by the consignee.
- 1) Sectional Drawing of Pumps
 - 2) General Arrangement Drawings (G.A.D.) /Layout of the equipment fully dimensioned for pumps, motors, starters, shunt capacitors, panels, delivery manifold, cables etc.
 - 3) Detailed circuit diagrams of LT Panels, starters, shunt capacitors etc.
 - 4) Third Party Inspection Reports and OEM's test certificates to the Department for their approval.

No manufacturing activity shall be started by the firm without approval of the drawings for each ordered equipment/work by the competent authority.

Additional time consumed due to observations/summary rejection of QAP/GAD shall be considered in the delivery period of the contract and the bidder shall be wholly and solely held responsible for the delay, thus caused.

Although no make has been specified in respect of any equipment, the bidder shall furnish QAP/GAD of only those makes which are standard with proven record of satisfactory performance in this Department or any other Government Department in the UT or outside. Thus, the bidder shall have to mandatorily furnish a list of makes and technical data for the tendered equipment which the firm intends to supply, in the cover 1st of the bid so that the Department is fully satisfied about the quality of the equipment.

29. **Operation and Maintenance Manuals:** The bidder shall supply, free of cost to the Department, six complete sets of operation and maintenance manuals for the Pumping Equipment and Electrical Equipment. The delivery of these manuals shall be made by the bidder to the Engineer along with the supply of equipment. The manuals shall be appropriately bound in book form and shall contain all necessary instructions regarding operation, preventive maintenance, repairs, trouble shooting, overhauling etc.

The manuals shall also include detailed drawings of the equipment, circuit diagrams and station layout with all items properly identified. The manuals shall also include the spare parts catalogues with part numbers clearly given, which must tally with index numbers in the drawings.

30. **Cleaning Up:** On completion of the works the bidder shall clear away, load into trucks or any other transport and remove from the site all constructional plant, surplus materials, dismantled or otherwise, earth and rubbish and temporary works of every kind and leave the whole of the site and works clean and in a workmanship condition, to the satisfaction of the Department.
31. **Power and Water Supply:** The bidder/firm shall make his own arrangement, at his own cost, for all lines, individual power points, etc. to the machinery and plant required by him for the erection, testing and commissioning of the equipment ordered on him. The bidder shall pay for all electrical energy consumed by him

for this purpose at the prevalent electricity tariff in J&K State. Such charges shall be paid by the bidder/firm direct to the Electricity Corporation and the bidder's final bill shall be settled only after he gets a no outstanding certificate from the Electricity Corporation.

The Government shall not be responsible, and the bidder shall have no claim whatsoever for any interruption in power supply or voltage fluctuation or total cut off at the site. The bidder/firm must provide an alternative source of power, at his own cost, at the site for completion of the work. The bidder shall make his own arrangements for water to be used for the execution/Hydro-testing/ water tightness Test/ Curing, labour colony, Site Office etc.

32. Any incidental works required thereof for fitment of the pipes / allied equipment/works etc. shall be deemed within the scope of work.
33. The drawings for gantry and other ancillary works shall be provided to the executing agency by the I/C engineer.
34. **Agreement:** As soon as letter of award is communicated to the firm, the contract shall be complete and binding upon them, the bidder/firm shall also be required to execute an agreement with the competent authority within **seven days** from the date of issue of letter of award. Failure to execute such an agreement in time shall not however, prevent this contract from being enforced against the firm and the date of delivery of the material/completion of works shall be reckoned from the date of issue of the letter of award in favour of successful firm.
35. All other terms and conditions as laid down in Form No. 25 of P.W.D. shall remain in force and binding on successful tenderer.
36. Any rules/terms and conditions, if not stipulated in the bidding document, shall be strictly dealt in accordance with the relevant rules/guidelines stipulated in the General Finance Rules (GFR 2017) and Manual for procurement of Works 2019 Government of India.
37. **Consignee/Paying Authority:** The consignee/paying authority in respect of electro-mechanical component and allied civil works shall be the concerned **Executive Engineer, Jal Shakti (PHE) Mechanical Division (North) Sopore**

Sd/-
Executive Engineer
Jal Shakti PHE Mechanical Division (North)
Sopore

**Annexure "B" Schedule of cost and quantities
to this office Allotment Order No: PHE/MDNS/DB/4244-50, dated: 31-08-2023**

**Name of work: Creation of 63KVA electric sub-station for filtration plant of lift WSS Goom Ahmadpora
Tantraypora under JJM**

S No	Description	Qty	Unit	Rate	Amount
1	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed by supervor / concerned engineer at site.	2.5	Cum	479.30	1,198.25
2	Supply, installation, erection, Testing And Commissioning of 9 mtrs long H.T Steel Tubular pole of specifications ST- 410 (SP-33) . The job further includes drilling of holes for installation of various accessories .wherever required the job further includes G.I Strips for earthing to pole as per REC standard. The tubular steel poles shall conform to the latest edition of Indian Standard specification IS: 2713 (Part – I, III): 1980 The materials used in construction of tubular steel poles shall be of the tested quality of steels of minimum tensile strength 540 MPa. The Poles shall be fitted with base plate as per above standard. The poles shall be applied with Red Oxide Primer and two coats of anti-corrosive Red paint at bottom up to the length of 4M and two coats of paint of silver shade for the rest.	4	No	20,686.00	82,744.00
3	Supply installation testing and commissioning of 20mm Dia, 2500mm Length GI Electrodes. The electrode have to be lowered in an already excaved pit for the pole which is to be earthed.	4	No	2,100.00	8,400.00
4	Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering . all work upto plinth level with 1: 2 : 4 mix (1 cement , 2 coarse sand , 4 graded stone aggregate 20 mm nominal size) . Size: 0.60 x 0.60 x0.75 x4 Nos = 1.08 CUM	1.08	Cum	6,591.25	7,118.55
5	Filling available excavated earth in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth , consolidating each deposited layer by reaming and watering , lead upto 50 m and lift upto 1.5m.	2.5	Cum	221.35	553.38
6	Centering and shuttering including strutting , propping etc. and removal of form work for Foundation , footings , bases for columns. Size : 0.6 x0.6 x 4 Sides x 4 Jobs	5.76	Sqm	286.35	1,649.38
7	Providing and fitting G.I Channel /platform for T-bed/Angle/ Flat /Riser of sizes/GI V cross-arm with top braket including clamps, as per site requirment. Size of Channel= ISMC 75X40MM (For mounting / fittings of Sub sation items) ISMC 100 X 50MM.(For Installation of Transformer & Chain pully Block)	296.259	Kg	123.00	36,439.86

S No	Description	Qty	Unit	Rate	Amount
8	<p>Supply, Installation, Testing And Commissioning of outdoor type 63 KVA rating Electric Sub Station as per the technical specifications given here under -</p> <p>Specifications conforming to IS: 1180 (Part 1) 2014 with latest amendments.</p> <p>Type: HT/LT Transformer (Level-2)</p> <p>Type of cooling: ONAN.</p> <p>Operating conditions:</p> <p>Input =11000 volts</p> <p>Output = 433 volts AC supply in 3- phase.</p> <p>Terminals:</p> <p>Input=3 No. HT Brass bush rods with insulators, washer, nuts etc.</p> <p>Output=4 No. LT Brass bush rods switch insulators, washers, nuts etc.</p> <p>Core: The core shall be of high permeability to reduce core losses and the strips shall be of suitable size and gauge.</p> <p>Transformer Coils: Suitable number of HT and LT coils in each leg of the core. The transformer coils shall be fabricated out of superior quality aluminum wire/strips, properly wound. The HT transformer is completely filled with suitable grade transformer oil up to required level. The job includes carriage, and all leads and lifts involved.</p> <p>The HT transformer shall be of reputed make from an ISO certified company as per relevant standards and a test certificate shall be provided before installation. The transformer shall also be provided with breather fill with silica jel crystals, conservator with oil level indicator, explosion vent and adequate radiator fins/ Tubes. The impedance of transformer shall be as per IS: 1180 (Part 1) 2014 with latest amendments.</p> <p>Suggested Make: Servokon/ AE/ Electricfield</p> <p>NOTE: The scope of the work shall include obtaining of necessary inspection/clearance certificate from the concerned department for all the required equipment. The testing and commissioning shall be completed only after obtaining above certificate.</p>	1	Job	1,71,903.00	1,71,903.00
9	<p>Supply, Installation, Testing and commissioning of 02 No. Polymeric Gang operated Air break switch, outdoor type, triple pole, suitable for vertical installation, single break provided with locking arrangement at both ON and OFF position consisting of HT pole double insulator, copper or copper alloy high pressure heavy contact assembly, rod with bearings , operating handle and 2 length of 32mm dia. GI pipe conforming to IS 1818 1961, 06 No. of insulators, rated voltage 11KV 200A complete as per IS specs. The 11 KV AB switches shall conform to IS: 9920 (Part-I to IV).</p> <p>01 No. GO Set is to be fitted at tapping point and 01 No at HT Transformer (Substation)</p> <p>Testing/Inspection Certificate as per IS 9921 Part IV is mandatory and is to be produced at the time of supply of material.</p>	2	Job	11,730.00	23,460.00
10	Supply, Installation, Testing and commissioning of 11KV polymer fuses Set Horn Gap 3-phase 200 A suitable for vertical installation.	1	Job	4,983.00	4,983.00
11	Supply, Installation, Testing and commissioning of Gapless Surge arrester station class, 10KA, 9KV, LA With polymer housing, Station Type.	1	Job	7,754.00	7,754.00
12	Supply and fitting of 11 KV polymeric composite pin insulator 12 KV, 5KN, Lighting impulse 75KV Positive, and 80 KV Negative , creepage distance 320 mm	9	Job	347.00	3,123.00

S No	Description	Qty	Unit	Rate	Amount
13	Supply and fitting of 11 KV polymeric composite disc insulator 12 KV, minimum falling load 45KN, Lighting impulse 75KV Positive, and 80 KV Negative , creepage distance 320 mm.	3	Job	596.00	1,788.00
14	P/F of Galvanized nuts, bolts of various sizes as per site requirement.	15	Kg	142.00	2,130.00
15	P/F Danger Plate with clamps.	2	No	153.00	306.00
16	Providing and fixing G.I Barbed wire for anti-climbing/ anti-climbing devices. The barbed wire shall be tightly close wrapped around the pole for 10-12 turns, commencing at 2.50m above the datum line.	12	Kg	136.00	1,632.00
17	Supply, Installation, Testing And Commissioning of Galvanized stay set with 50 X 8 mm Stay Clamp , Guy insulator (2no.), Anchor plate (200X200X6mm) , nuts and bolts , 2 NO- turn buckle , 1.8 m long , 16 mm diameter solid G.I stay rod & 7/3.15 mm dia. G.I stranded wire complete.	2	Set	4,922.00	9,844.00
18	Providing and fitting of 0.50 ACSR as per site requirement.	7	Meter	56.00	392.00
19	Supply, Installation, Testing And Commissioning of 50 sq mm XLPE HT cable (ABC type) of 11 KV Grade with following specifications size cross sectional area in square mm)= 3x50+1x70 sq mm phases Red, Yellow , Blue The Cable should conform to IS: 8130-1984, IS: 398(Part-IV)-1994, IS: 7098(Part-II)-2011 & IS: 5831-1984 with up to date amendments, if any.	20	Meter	930.00	18,600.00
20	Providing and fitting of 11KV cable termination kit for connecting 50Sq.mm XLPE HT Cable with existing HT Line near tapping Point.	4	Set	8,994.00	35,976.00
21	Supply, Installation, Testing And Commissioning of LT Distribution box for 63 KVA H.T transformer with MCCB 200 Amp.4 Pole,50 ka for incomer and SFU for outgoing circuits. The LT distribution Box is to be fitted on GI Channels.	1	Job	28,118.00	28,118.00
22	Supply, Installation, Testing And Commissioning of PRODIGY LT Meter of following specification complete with all fixtures required for fitment at site Type: E3L100, 3 Phase, 4 wire Measurements offered: KWh, KVARh, KVAh, KVA Voltage : 3x240V(415v),50HZ Ib : 40A Imax: 200A Battery: Lithium The Prodigy Meter must be fitted inside the Box, that is to be fitted on GI Channels near LT Distribution Box. Both the enclosures must be symmetrical Suggested Make: Secure/ L&T Sealing /Inspection report of Prodigy meter from JKPDCL (Concerned) is to be submitted by the firm at the time of charging of SUBSTATION.	1	Job	29,000.00	29,000.00

S No	Description	Qty	Unit	Rate	Amount
23	Supply, Installation, Testing And Commissioning of earthing station for electric substation fabricated GI earthing electrode as per IS: 3043. The job includes Auguring of bore of required dia/depth for installation of electrode along with backfill compound mixed with soil and all other items required thereof for achieving the best result. The job includes connecting of electric gadgets through GI strip (25x3mm) as per relevant standards. Safe earthing electrode size : 80 mm dia , Length : 2000 mm Back fill compound : 30 kg	5	Job	10,462.00	52,310.00
24	Providing and Fitting 35 Sq.mm, 3.5 Core,LT 1.1kv Alminum cable Unrmoured for connecting LT side of Transformer and Distribution Panel/ MCCB through Metering device.The Job includes providing and fitting of Alminum and Copper terminations as per site requirment.	4	Meter	380.00	1,520.00
25	Providing and fiiting wedge connectors / PG Clamps as per site requitment.	4	Job	421.00	1,684.00
26	Providing of bamboo ladders 18 feet long along with 15 feet long Link rods and HT Glove pair (01 No each) as per Clause 62	1	No	7,350.00	7,350.00
Total advertised/estimated cost:					5,39,976.41
Percentage quoted by L1 firm					-27.00%
Total allotted cost: Rupees Three Lakh Ninty Four Thousand One Hundred and Eighty Two Only					3,94,182.00

Sd/-
Executive Engineer
Jal Shakti (PHE) Mechanical Division (North)
Sopore