

Government of Jammu & Kashmir
Office of the Executive Engineer, Jal Shakti (PHE) Mechanical Division (North) Sopore
Website: phekashmir.com Email ID : phe.mdns@gmail.com

No.: PHE/MDNS/DB/ 2953-56
Dated: 25-07-2023

M/s Cresnet Electrical Industries
Hari Singh High Street, Srinagar
GST No: 01AQBPR0656C1ZG
Cell No: 7006289970

| | |
|----------------|---------------|
| Adv. Cost: | Rs 4.893 Lacs |
| Allotted Cost: | Rs 4.398 Lacs |

Subject: Creation of 63 KVA electric Sub-station for filtration plant/gravity WSS Heing Kashmatipora under JJM.

- Reference:
1. This office e-NIT No.: e-NIT No. 14 of 2023-24, issued under endorsement No.: PHE/MDNS/DB/1474-79, dated: 12-06-2023.
 2. Authorization awarded by Member Secretary DJJM Superintending Engineer Jal Shakti (PHE) Hydraulic Circle Baramulla/Bandipore HQ at Sopore issued vide No. SE/Hyd/DB/_____, dated: _____.
 3. This office Letter of Intent No. PHE/MDNS/DB/2566-67, dated: 19-07-2023.

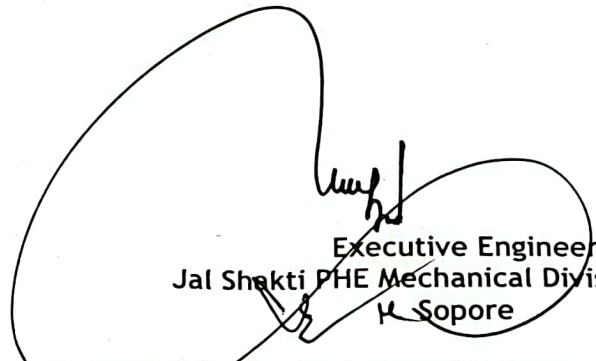
Dear Sir,

For and on behalf of Lt. Governor of J&K UT contract for execution of "Creation of 63 KV electric Sub-station for filtration plant/gravity WSS Heing Kashmatipora under JJM" is here 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


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 Bla, 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 Bla, HQ at Sopore, 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 Sector-18 Gurugram-122015 (Haryana) for favour of information.
7. Assistant Executive Engineer Jal Shakti (PHE) Mechanical Sub-Division Bla, for information necessary action.
8. File concerned.

Annexure "B" Schedule of cost and quantities

to this office Allotment Order No: PHE/MDNS/DB/_____, dated: _____

name of work: **Creation of 63 KVA electric Sub-station for filtration plant/gravity WSS Heing Kashmatipora under JJM**

| S. No. | Item Description | Qty | Units | Rate In Rs | Amount In Rs |
|--------|---|---------|-------|------------|--------------|
| 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 supervisor / 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 wire earthing of 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 | 20686.00 | 82,744.00 |
| 3. | 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 | 6591.25 | 7,118.55 |
| 4. | 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 |
| 5. | 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 |
| 6. | Providing and fitting G.I Channel /platform for T-bed/Angle/ Flat /Riser of sizes/GI V cross-arm with top bracket including clamps, as per site requirement. Size of Channel= ISMC 75X40MM (For mounting / fittings of Sub sation items) ISMC 100 X 50MM.(For Installation of Transformer & Chain pully Block) | 278.832 | Kg. | 123.00 | 34,296.34 |
| 7. | Supply, Installation, Testing And Commissioning of outdoor type 63 KVA rating Electric Sub Station as per the technical specifications given here under - Specifications conforming to IS: 1180 (Part 1) 2014 with latest amendments. Type: HT/LT Transformer (Level-2) Type of cooling: ONAN. Operating conditions: Input =11000 volts Output = 433 volts AC supply in 3- phase. Terminals: Input=3 No. HT Brass bush rods with insulators, washer, nuts etc. Output=4 No. LT Brass bush rods switch insulators, washers, nuts etc. Core: The core shall be of high permeability to reduce core losses and the strips shall be of suitable size and gauge. | 1 | Job | 171903.00 | 171,903.00 |

| | | | | | |
|-----|--|----|-------|----------|-----------|
| | <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> | | | | |
| 8. | <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). 01 No. GO Set is to be fitted at tapping point and 01 No at HT Transformer (Substation) 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 | 11730.00 | 23,460.00 |
| 9. | <p>Supply, Installation, Testing and commissioning of 11KV polymer fuses Set Horn Gap 3-phase 200 A suitable for vertical installation.</p> | 1 | Job | 4,983.00 | 4,983.00 |
| 10. | <p>Supply, Installation, Testing and commissioning of Gapless Surge arrester station class, 10KA, 9KV, LA With polymer housing, Station Type.</p> | 1 | Job | 7,754.00 | 7,754.00 |
| 11. | <p>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</p> | 9 | Job | 347.00 | 3,123.00 |
| 12. | <p>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</p> | 3 | Job | 596.00 | 1,788.00 |
| 13. | <p>P/F of Galvanized nuts, bolts of various sizes as per site requirement.</p> | 10 | Kg | 142.00 | 1,420.00 |
| 14. | <p>P/F Danger Plate with clamps</p> | 2 | No | 153.00 | 306.00 |
| 15. | <p>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.</p> | 12 | Kg | 136.00 | 1,632.00 |
| 16. | <p>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.</p> | 2 | Set | 4,922.00 | 9,844.00 |
| 17. | <p>Providing and fitting of 0.50 ACSR as per site requirement.</p> | 30 | Meter | 56.00 | 1,680.00 |

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|--|---|---|-------|-----------|------------------|
| 8. | 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 | 6 | Meter | 930.00 | 5,580.00 |
| 19. | Providing and fitting of 11KV cable termination kit for connecting 50Sq.mm XLPE HT Cable with existing HT Line near tapping Point. | 2 | Set | 8,994.00 | 17,988.00 |
| 20. | Supply, Installation, Testing And Commissioning of LT Distribution box for 63 KVA H.T transformer with MCCB 160/ 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 |
| 21. | 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 JKPDCCL (Concerned) is to be submitted by the firm at the time of charging of SUBSTATION. | 1 | Job | 29,000.00 | 29,000.00 |
| 22. | 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 | 4 | Job | 10,462.00 | 41,848.00 |
| 23. | Providing and Fitting 35 Sq.mm, 3.5 Core,LT 1.1kv Alminum cable Un rmoured 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. | 6 | Meter | 380.00 | 2,280.00 |
| 24. | Providing and fitting wedge connectors / PG Clamps as per site requirment. | 4 | Job | 421.00 | 1,684.00 |
| 25. | Providing of bamboo ladders 18 feet long along with 15 feet long Link rods and HT Glove pair (01 No each) | 1 | No | 7,350.00 | 7,350.00 |
| Estimated / advertised amount: | | | | | 489300.90 |
| Percentage quoted by L1 firm {-10.1%}: | | | | | 49419.39 |
| Total allotted amount: | | | | | 439881.00 |
| (Rupees Four Lakh Thirty Nine Thousand Eight Hundred and Eighty One Only) | | | | | |


 Executive Engineer
 Jal Shakti PHE Mechanical Division (North)
 Sopore