

GOVT. OF NCT OF DELHI: Delhi Jal Board
Office of Executive Engineer (E & M) II
Wazirabad Water Works, Timarpur, Delhi-54
Email –eeemww2.djb@nic.in Mob:-9650286020

No. EE /WZD/2015/ 2271

Date- 25/6/15

To,

M/s Raj Engineering Co.
273, Sunehri Bagh Apartment,
Sector-13, Rohini, New Delhi 85

FMS Work Order No.-26795
Work Order No.- 03
Dt.- 25-06-2015

Head of A/c Imp.of existing works.

Subject:- Supply, installation, testing and commissioning of L.T. Panel Board at clear Water of 3rd 40MGD Plant at Wazirabad Water Works

D/sir,

With reference to your tender dated 13.02.2015 & the LOI dated 02.03.2015. It is to inform you that your offer has been accepted by the competent authority. You are therefore requested to carry out the following work as per terms & conditions given below:-

S.NO	Particulars	Qty	Rate	Amount
1.	400A TPN switch disconnecter fuse unit with HRC Fuses Make: Havells/L&T / Standard	2No.	14500/-	29000.00
2.	100A TPN switch disconnecter fuse unit with HRC Fuses Make: Havells/ L&T/ Standard	2No.	6500/-	13000.00
3.	Digital voltmeter 96sqmm Make: AE/Conserve/L&T	1No.	1400/-	1400.00
4.	Digital Ammeter 96sqmm Make: AE/Conserve/L&T	1No.	1400/-	1400.00
5.	Voltmeter selector switch Make: Kaycee/L&T /Standard	1No.	160/-	160.00
6.	Ammeter selection switch Make: Kaycee/ L&T/ Standard	6No.	160/-	960.00
7.	Ammeter 96sqmm Make: AE/L&T	5No.	350/-	1750.00
8.	Indicating lamp set with fuses Make: L&T/ CNS /Vaishno	25No.	260/-	6500.00
9.	MX Power contractors Make: L&T	5No.	1300/-	6500.00
10.	MX Overload relay Make: L&T	5No.	1300/-	6500.00
11.	NONC block Make: L&T	5Set	400/-	2000.00
12.	ON/OFF push button with elements Make: L&T/Vaishno	5No.	210/-	1050.00
13.	Current Transformer 400/5 Make: AE/Kappa/Sigma	6No.	260/-	1560.00
14.	Single Phase preventor Make: L&T/ Minilac	5No.	520/-	2600.00
15.	2KVAR power shunt capacitor Make: L&T/ Siemens	4No.	350/-	1400.00
16.	3KVAR power shunt capacitor Make: L&T/Siemens	1No.	450/-	450.00
17.	32A TP MCB Make: L&T/ Havells/Standard	5No.	900/-	4500.00
18.	6-32A DP MCB Make: L&T/ Havells/Standard	5No.	590/-	2950.00
19.	Part II :- Fabrication of LT panel board cubical type floor mounting dust and vermin proof of size 1950 X 2100 X 300mm made out of 14SWG CRCA sheet along with neutral ring terminal block and having chamber as suitable to all switch gears to be fitted it should be having provisions for cable entry from the bottom/top and also provision for carrying out routine maintenance from the front side only.	1Job.	66000/-	66000.00
20.	Painting powder coating of the complete panel board as above first with anti- corrosive red oxide and after that synthetic enamel paint as per IS.	1Job.	6500/-	6500.00

21.	Providing fixing of the main bus bar duly sleeved with heat shrinkable sleeve suitable of current carrying capacity 400A at the top of bus bar chamber and at vertical bus bar chamber i/c bending and shaping of bus bar as per requirement. Providing and fixing of epoxy insulators along with the bus bar as per requirement of the panel board.	1Job.	4500/-	4500.00
22.	Fixing of the 400A switch disconnecter fuse unit at the incomer chamber and outgoing chamber i/c providing and fixing of bus bar duly sleeved of suitable capacity for making solid connection of the switch etc as required	2Jobs	1500/-	3000.00
23.	Fixing of the 100A switch disconnecter fuse unit at the outgoing chamber i/c providing and fixing bus bar duly sleeved with suitable capacity for making solid connection etc as required	2Jobs	1000/-	2000.00
24.	Fixing of all measuring instruments CT'S , indicating lamps with fuses at the incomer/ outgoing chamber along with complete inter connection and wiring with single core copper cable/wire i/c providing and fixing necessary copper ferrules/ thimbles etc and fixing the backup fuses as per requirement	1Job.	2000/-	2000.00
25.	Fixing of all the power contractor, overload relay along with NONC blocks single phase preventor power shunt capacitors along with complete interconnection and wiring with single core copper cable/wire i/c providing and fixing necessary copper ferrules/thimbles etc as required	5Jobs	750/-	3750.00
26.	Fixing of all the 32A TP MCB and 6-32 A DP MCB at their respective outgoing chambers if the panel along with complete inter connection and wiring with single core copper cable/wire i/c providing and fixing necessary copper ferrules/thimbles etc as required	1Job.	500/-	500.00
27.	Fabrication and supply of MS base frame duly painted of size as suitable to the new panel board made out of MS channel of suitable size etc as required	1Job.	2500/-	2500.00
28.	Loading, unloading , cartage and transportation of the above panel up to the site i/c charges of heavy labour.	1Job.	3500/-	3500.00
29.	Dismantling of the old panel board and disconnecting all the old incoming and outgoing connection and shifting the panel from the site by heavy labour upto store.	1Job.	6000/-	6000.00
30.	Fixing of the new base frame at the site with the help of cement concrete mixture and grouting of foundation bolts i/c all other civil work as per site requirement.	1Job.	7500/-	7500.00
31.	Fixing the new LT panel board at the new fix base frame by lifting the panel board and placing at the base frame properly and fixing to the frame by nuts,bolts as per requirement with the help of heavy labour etc as required.	1Job.	5000/-	5000.00
32.	S/O 3 ½ X 185sqmm aluminum conductor armoured PVC cable 1.1 KV Make: Kalinga/ Capp Capp	25m	870/-	21750.00
33.	S/O 3 X 10sqmm aluminum conductor armoured PVC cable 1.1 KV Make: Kalinga/Capp Capp	200m	110/-	22000.00
34.	Laying of 3 ½ x 185sqmm aluminum armoured cable on wall with saddle etc as required.	25m	120/-	3000.00
35.	Laying of 3 x 10sqmm aluminum conductor armoured cable on wall	200m	90/-	18000.00

	with sadle etc as required.			
36.	Making the incoming connection to the 400A switch by connecting the aluminum armoured cable after proper thimbling.	1Job.	2500/-	2500.00
37.	Earthing of the cubical panel board with the existing earth electrode by using suitable size of G.I. strip etc as required.	1Job.	5000/-	5000.00
38.	Testing and commissioning of the panel board and the connected equipment first at no load and then on load as per satisfaction of engineer incharge etc as required.	1Job.	17500/-	17500.00
			TOTAL	2,86,180.00
			VAT @12.50% ON 80% VALUE	28,618.00
			G.TOTAL (₹)	3,14,798.00

(₹ Three Lac Fourteen Thousand Seven Hundred Ninety Eight Only)

Terms & Conditions:

1. Completion of work within 45 days.
2. Payment after satisfactory completion of work.
3. Guarantee of work shall be for a period of 12 months.
4. Old material will be returned to deptt. at wazirabad water works. If any.
5. Firm should observe all safety measures at site. Firm shall take full precaution for safety of men, material & equipments while executing the work. Firm shall be solely responsible for any mishappening during execution of work. While carrying out the job if any accident or mishappening occurs due to any reason whatsoever may be, DJB will neither be responsible nor compensate in any way. In case of any legal implications or compensation, the same shall be firm's responsibility. All safety precautions / measures / equipment are to be taken by the firm during execution of work as per NHRC guidelines / I.E. Rules and other statutory bodies. The firm should also depute a supervisor to ensure proper adoption & implementation of all safety measures.
6. Any loss/ damage occurred during execution of work will be borne / make good by the contractor.
7. The firm has to make its own arrangement of all tool, tackles, machinery equipment required for dismantling / assembling / lowering / lifting etc. to carry out the work.
8. The firm should make its own arrangement for the safe custody of the material / machine / equipment etc. brought at site. Department will not responsible in any manner. During execution of work, the sole responsibility of the all the tools & tackles (equipment, gas cutter, welding set etc.) along with the materials to be replaced or used will be of the firm only. Department will not be held responsible for any loss or theft occurred in the due course.
9. Work is to be carried out in the working days only during normal duty hours. Execution of work during holidays and other than normal duty hours will not be allowed unless permitted by the Engineer-in-charge.
10. It will be at the sole discretion of the department to ask the firm to supply any specific make of material from the list of makes taken in the B.O.Q while executing the work.
11. The firm has to submit the procurement vouchers for supplied/used/installed items at the time of submitting the bill.
12. After completion of work, the site should be made available neat & clean by the firm.

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Ex. Executive (E&M) II

Copy to:-

1. CE (WW)/SE(WW)-I/DOV
2. AE(E&M) III/A.O(WW)-I/AAO(Wzd)
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[Signature]
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