

DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO 2
DWARKA PHASE-I, NEW DELHI

NTT No. 87/ED-2/A/DDA/2007-08

NOTICE INVITING TENDER

Sealed item rate tenders are invited for the following work on behalf of DDA from the approved contractors of appropriate class of DDA, CPWD, MES, P&T and Railway on the date of opening up to 3.00 P.M. on 01-4-2008 at Vikas Minar, DDA Office, I.P. Estate, New Delhi by the Executive Engineer(E), Electrical Divn. 2, DDA in the presence of intending tenderer or their authorized representative.

The tendered documents can be had on any working day from CAU/DWARKA/Sales Counter Vikas Minar between 11.00AM to 3.00 PM on payment of cost of tender (non-refundable) as well as amount of earnest money as mentioned against each work on production of valid Enlistment Certificate & WCTC on Form-XI. Sale of tender forms will be stopped 4 days (i.e. date of opening) before the date fixed for the opening of tender documents.

The manner of submission of tender opening of same entry of contractor's/their authorized representative to the place of opening shall be as provided in clause 3(a),(b) &(c) of PWD-6 forming part of the tender.

Earnest money, Deposit in Cash upto Rs. 10,000.00/Receipt treasury challan/Deposit at call receipts/Fixed Deposit receipt/Demand Draft of a schedule bank issued in favour of Sr. A.O. (CAU) Dwarka Zone, DDA.

| S. NO | Name of Work | Esti Cost | Last date of sale |
|-------|--------------|---------------|-------------------|
| | | Earnest Money | Date of opening |
| | | Tendered Cost | |
| | | Time Allowed | |

1. M/o Completed Scheme of Nagval
 Alc II under SWZ
 (G/H: Supplying & installation of
 additional submersible pump
 sets at N.H.P. Park BB Block
 Janak Puri 2 Park A-2, Harijan
 Basti, Janak Puri.

Rs. 1,65,501=00

Rs. 3310=00

Rs. 500=00

one month

28-3-2008

01-4-2008


 Executive Engineer (E)
 Electrical Division 2, DDA

DELHI DEVELOPMENT AUTHORITY

ELECTRICAL DIVISION NO. - II

SCHEDULE OF WORK

Name of Work : - M/o Completed scheme of Nazul A/c - II under S.W.Z.
SH. : - Supplying & Installation of additional submersible Pump Sets at NHP Park BB Block, Janak Puri and park A-2, Harjan Basti, Janak Puri.

| S.No. | Description of Items | Qty. | Rate | Unit | Amount |
|-------|--|---------|------|------|--------|
| 1. | Supply of Submersible pumps duly coupled with suitable rating of 3 phase 415 volts, 50 Hz, 2900 RPM, (nominal) submersible induction motor. The pumpsets shall be suitable for the following duties :- (i) For NHP BB Block Janak Puri & A-2, Harjan Basti (a) Discharge :- 140 LPM (b) Head :- 48 mtrs. (c) liquid :- Clear water | 2 set | | Set | |
| 2. | Supplying of following size of G.I. B Class pipe including GI flanges duly screwed and welded on both ends of G.I. pipe, bend tee, nipple, rubber gasket, G.I. nuts, bolts and washers etc. as reqd a) 50mm dia | 90mtr. | | Mtr. | |
| 3. | Supply of PVC sheathed PVC insulated copper conductor submersible cable as reqd. a) 3 x 1.5 sq.mm. | 100mtr. | | Mtr. | |

4. Lowering, testing, commissioning of submersible pumpset along with double flanged G.I. pipe submersible cable including jointing and accessories upto the required depth, providing and fixing 2 Nos. M.S. clamps made of MS flat 75mm x 10mm x 500mm along with nuts, bolts, washers, cutting the existing bore cover, making suitable removable cover and fixing of submersible cable with insulated wire with G.I. pipe complete as reqd.

2 Jobs

P/Job

5. Supplying erection, testing and commissioning of L.T. floor mounted outdoor Installation, suitable for dust vermin and weather proof construction panel board fabricated out of 14 SWG (2.0mm thick nominal) CRCA M.S. sheet with 40mm x 40mm x 6mm angle iron legs & CRCA MS top cover rain protection canopy as per drawing attached and suitable to accommodate and supplying and fixing the following accessories therein including connections, inter connections with suitable size of copper wire, earth connections, numbering and spray painted after applying a cost of Zinc chromate primer as reqd.
- b) 32 Amps TP&N MCB 10 KA (C Series) – 1 No.
 - c) 16 Amps TP MCB 10 KA (C Series) – 2 Nos.
 - d) DOL Starter with enclosure having suitable relay complete as reqd. – 1 No.
 - e) Negative sequence current sensing Single phase preventor with dry run & overload protection cum water level guard (prodless) – 1 No.
 - f) 3 phase shunt capacitor suitable for Item No.1-1No.
 - g) Phase indicator neon lamps with toggle switches and back up fuses – 1 Set
 - h) Voltmeter 0 to 500 volts 96mm square dial with selector switch – 1 No.

| | | | |
|----|--|----------|------|
| | <ul style="list-style-type: none"> i) Ammeter 0 to 30 Amps 96 mm square dial – 1 no. j) 25 Amp SPN MCB 10 KA (B series) – 1 No. k) 4 strip 300mm long aluminum bus bar 100 amps capacity duly PVC taped / sleeved having drilled holes, 6mm dia bolts, nuts and washers etc. as required – 1 set l) Danger notice plate – 1 No. | 2 set | Set |
| 6. | Earthing with G.I. Earth pipe 4.5 mtr long and 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and water pipe etc. (but without salt, charcoal or coke) as reqd. | 4 set | Set |
| 7 | Extra for using salt & charcoal / coke for pipe earth electrode as reqd. | 4 set | Set |
| 8 | Providing & fixing 25mm x 5mm G.I. strip in 40mm dia G.I. pipe from earth electrode as reqd. | 6 mtr. | Mtr. |
| 9 | Providing & Fixing 25mmx 5mm G.I. strip on surface or in recess for earth connections etc. as reqd. | 6 mtr. | Mtr. |
| 10 | Supplying, Laying / Fixing of 40mm dia G.I. pipe B class along with socket, bends etc. in recess / surface as reqd. | 6mtr. | Mtr. |
| 11 | Supplying of one no. 4 core x 10 sq.mm. XLPE 1.1KV grade armoured aluminum conductor cable including connections & testing etc. as reqd. | 200 mtr. | Mtr. |
| 12 | Laying of one XLPE / PVC insulated & PVC sheathed aluminum conductor cable of size not exceeding 25 sq.mm, direct in grounds i/c excavation, sand cushioning, protection covering and refilling the trench etc. as reqd. | 120 mtr. | Mtr. |

| | | |
|----|---|----------|
| 13 | Laying of one XLPE / PVC insulated and PVC sheathed aluminum conductor Power cable of size not exceeding 25 sq.mm. in the existing RCC / Hume / Stoneware / Metal Pipe / on / over the old pole etc. as reqd. | 80 mtr. |
| 14 | Supplying and Fixing 50mm dia G.I. pole 6mm long with M.S. base plate of size 300 x 300 x 6mm thickness welded at bottom and i/c supply and fixing of angle iron 50x50x6mm of 0.5 mtr. in length including painting etc. as reqd. | 5 Nos. |
| 15 | Providing and Fixing of 6 SWG GI wire on surface or in recess for loop earthing along with the existing surface / recessed conduit / submersible wiring / cable etc. as reqd. | 150 mtr. |

Mtr.

Each

Mtr.

Total

(Signature)
 (EXECUTIVE ENGINEER)
 Electrical Division - II/ DDA
(Signature)

ADDITIONAL CONDITIONS & SPECIFICATIONS

- 1 The contractor must get acquainted with the proposed site for the work and study specifications and conditions carefully before tendering. The work shall be executed as per program approved by the Engineer in charge. The work shall be executed in close coordination with the progress of the building work. If the site for electrical work is not available in part or in full for any reason whatsoever, the time for the execution of the electrical work shall be correspondingly extended. No claim for any idle labor or compensation (except as provided under clause 10C or 10 CC as applicable in the printed conditions of contract) shall be entertained.
- 2 The contractor shall submit completion certificate as per appendix 'E' of the general specifications for electrical work (Part-I) Internal -2005 within one month after actual date of completion, failing which an amount @ 1% of the tendered cost subject to maximum of Rs. 5,000/- shall be deducted any amount due to the contractor from DD.A.
- 3 Testing of installation:
 - (i) The entire system shall be tested to the satisfaction of Engineer-in-charge.
 - (ii) Tests shall be performed in the presence of Engineer-in-Charge or his representative.
 - (iii) The contractor shall provide all labor, equipments and material required for performances of the tests.
- 4 The rates quoted by the contractor, shall be firm and should be inclusive of all Central/State Govt., Taxes, Duties and Levies etc.
- 5 Concessional Sales Tax Form C/D shall not be issued by the Department.
- 6 The installation shall be covered by the conditions that the whole installation or any part thereof found defective within the guarantee period should be replaced by the contractor free of charge in a reasonable time. The guarantee shall cover the followings:
 - (a) Quality, strength and performance of the material and equipment used.
 - (b) Safe electrical and mechanical strength of all parts of the equipments under all specified conditions of operations/satisfactory performance.

- (c) Safe performance figure and other values as specified in the schedule of guarantee/technical particulars.
 - (d) Prompt service during guarantee period.
 - (e) Attending to consequential damages in the equipments supplied and installed by the tenderer.
 - (f) Guarantee period of 12 months shall be counted from the date of handing over of installation to the department.
7. Contractor shall provide the manufacturer test certificate in respect of all major items.
8. The contractors shall be fully responsible for watch and ward of the material brought/work executed at site till the same is complete and taken over by the department.
9. After the award of work, the contractor shall get all the materials approved from the Engineer-in-Charge before use in the work. The contractor shall also produce test certificate for conformity with relevant IS specification if required by the Engineer-in-Charge.
10. Flyash bricks shall be used in the work wherever required.

SPECIFICATIONS

11. The work as indicated in the schedule of quantities attached herewith including any modifications, additions, alterations ordered subsequently shall be carried out as per specifications given below:
- (a) CPWD specifications for Electrical works at Delhi Part-I (Internal) 2005 and Part-II (External) 1994 with amendments upto the date of tenders.
 - (b) Indian Electrical Rules 1956 as amended upto date.
 - (c) A table indicating the makes, governing specifications and other details in respect of some of the important materials to be used in the work is attached. These specifications shall have preference over those indicated in 11 (i) above.
 - (d) Only material bearing ISI/BIS certifications mark shall be used in the work. Where articles of different designs/make bearing ISI.BIS certification mark are available, the decision of Engineer-in-Charge about the design/make to be used in the work shall be final and binding on the contractor.

(e) Where material-bearing ISI/BIS certification marks are not available, material conforming to relevant BIS/ISI shall be used with prior approval of Engineer-in-Charge.

f) If the specifications of any item are not available then the decision of the Engineer-in-Charge regarding a quality shall be final and binding on the contractor.

12 In case of any discrepancy of any item given in the schedule of quantities and the specifications, the former shall prevail. If the specifications of any item are not available, the decision of Engineer-in-Charge shall be final.

13 Earthing work i.e. embedding of earth electrode and testing of installations, shall be carried out in the presence of Assistant Engineer (Elect.).

14 The lengths of GI pipe to be used in the work for installation of the submersible pump set shall not be more than three meters.


अभियंता (विद्युत) (विभाग)
होमिंग नगर, विद्युत विभाग,
राजस्थान


MAKES OF MATERIAL AND GOVERNING SPECIFICATIONS

| S. No. | Item | Governing Specification | Makes |
|--------|--|-------------------------|--|
| 1 | Submersible Pump set | --- | KSB / Kirloskar / Crompton Greaves |
| 2 | G.I. Pipe | IS : 1239 | Jindal (Hissar) / Surya / Tata |
| 3 | Starter | --- | L&T / Siemens / Cuttler Hammer |
| 4 | Shunt Capacitor | --- | GE / Madhav / Crompton / L&T |
| 5 | Single phase preventor - cum - water level guard. | --- | L&T / Minilec |
| 6 | Ammeter & Voltmeter | IS : 1248 | AE / Havells / UEL / IMP |
| 7 | PVC sheathed, PVC insulated flat submersible copper cable. | IS : 694 | Plaza / Finolex / Safex |
| 8 | PVC Insulated FRLS Copper wire | IS : 694 | Skytone / National / Ecco / Havells |
| 9 | MCB | IS : 8826 | Standard / L&T / MDS / Indokopp / Action |
| 10 | XLPE armoured cable | IS : 7098 Pt-I | Asian Cable / Unistar / Ecco / Nicco / Skytone |
| 11 | Panel Board | --- | Shall be fabricated as per drawing attached. |
| 12 | Phase Indication Lamps | --- | ESBEE or equivalent make. |

[Signature]

[Signature] H. S. S.