

DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO:07

Notice Inviting Tender e No: 07 / EE / ED-7 / DDA / 2008-09

Scaled item rate tender are invited for the following works by the Executive Engineer (Elect.) Elect. Divn.7 / DDA, Keshavpuram, Delhi-110035 upto 3:00 PM on behalf of D.D.A. from the approved contractor of appropriate class of DDA, CPWD, MES, P&T, Railway and which shall be opened on the same day at 3:30 PM at Ground Floor, Vikas Minar, DDA Office, I.P. Estate, New Delhi in the presence of intending purchaser of their authorized representatives.

The tender documents can be held on any working day from the office of CAU/NZ/DDA, Ashok Vihar, Sale Counter Vikas Minar, New Delhi between the 11:00 to 3:00 PM on payment of amount of mentioned against each work (non refundable) on production of enlistment registration certificate and valid registration with works contract cell of Sales Tax Department of G.N.C.T.D. and tax clearance certificate issued by the works contract cell in Form-XI as well as the amount earnest money the shape of cash receipt treasury challan / deposit or call receipt of scheduled bank fixed deposit receipt of a scheduled bank / demand draft of scheduled bank in favour of Sr. A.O. / CAU / N.Z. / DDA sales of tenders form will be stopped four days (including the date of opening) before the date fixed for the opening of tender documents.

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

S. No.	Name of Work	NIT No.	Estimated Cost Earnest Money	Tendered Cost Time Allowed	Date of Sale Date of Opening
1.	D/o Golf Course at Bhalswa Lake. SH: Supplying & Installation of open well submersible pump set in open well at Fair Way No. 09.	(27)	1,02,256/- 2,045/-	Rs.500/- Two Month	18.08.08 22.08.08

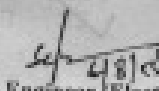

Executive Engineer (Elect.)
Electrical Division No.-7
Delhi Development Authority

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Name of work: D/o Golf Course at Bhulswa.
[Spec: Supplying & installation of open well submersible pump set in open well at Fair way No.001]

SCHEDULE OF WORK

(B7)

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S. No.	Description of item	Qty.	Unit	Rate	Amount
1.	Supplying of open well mono sub. Pump set for operation on 3 phase 400/440 Volts, 50 Hz, A.C. Supply and capable to perform the following duties like testing etc. complete as reqd. a) Discharge : 9.1 L.P.S. b) Head : 18 Meter. c) Liquid : Clear water. d) Minimum HP or motor 3 H.P.				
2.	Lowering, testing and commissioning of above openwell submersible pump set alongwith double flanged G.I. pipe submersible cable like jording and accessories upto the reqd. depth, providing and fixing 2 Nos. M.S. clamps made out of M.S. flat of size 75mmX10mmX500mm alongwith nuts, bolts, washers to hold the G.I. Pipe etc. complete as reqd.	1	Job		
3.	Supplying of following size of G.I. B-Class pipe like G.I. flanges duly gasket & welded on both end of G.I. pipe, bend, tee, nipple, rubber gasket, nuts & bolts and washers etc. as reqd. (A) 50mm dia.	15	Mtr.		
4.	Supply of PVC sheathed PVC insulated copper conductor flat submersible cable like testing etc. as reqd. a) 3X1.5 sq.mm	20	Mtr.		
5.	Supplying & fixing of following size of G.I. flanged valve complete with rubber gasket, nuts, bolts & washers etc. as reqd. a) Non return valve (without by pass) double flanged -50mm dia b) Sluice valve double flanged with non rising spindle & hand wheel -50 mm dia.	1 No.	Each		
		2 Nos.	Each		

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6.	Supplying, installation, testing & commissioning of cubical type out door feeder pillar, double door, compartmentalized and fabricated with 14 SWG (2mm thick nominal size) C.R.C.A. M.S. sheet with (50mmX50mmX6mm) angle iron legs as per drawing attached and suitable to accommodate and supply & fixing the following accessories mounted therein with suitable size of copper wire, pdg, Compression gland, thimble, lugs, earthing study, painting, numbering making brick foundation etc. complete as reqd. a) 32 Amp. 415 volts TP&N switch disconnecter fuse unit with HRC fuses (interior only) - 1 No. b) 32 Amp. TP&N MCB 'C' series - 1 No. c) 20 Amp. T.P. M.C.B. 'C' series - 1 No. d) 6 Amp. T.P. M.C.B. 'C' series - 1 No. e) 20 Amp. SP&N. M.C.B. 'C' series - 1 No. f) 20 Amp. 3 pin industrial socket - 1 No. g) Voltmeter(0-500V) of size 96 sq.mm square type with selector switch - 1 set. h) Ammeter (0-30A) of size 96sq.mm square type - 1 No. i) DOL starter suitable for 3 HP P/ set - 1 No. j) single phase preventor cum water level guard - 1 No. k) Power shunt capacitor, 2 KVAR - 1 No. l) Neon indicating lamp set with toggle switches and sliding fuses--1 No. m) 4 strip, 300mm long aluminium bus bar 100 Amp. Capacity duly PVC tapped / sleeve having drilled holes for 6mm dia nut bolts & washers etc. complete as reqd. - 1 set n) Danger Notice Plate - 1 No.	1 Set	Set
7.	Earthing with G.I. earthing pipe 4.5mtr long X 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement etc. with charcoal and salt complete as reqd.	2 Set	Set
8.	Providing & fixing 25mm X 5mm G.I. strip in 40 m. m. dia. G.I. Pipe from earth electrode etc. as reqd.	4 Mtr.	Mtr.

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9.	Providing & fixing 25mm X 5mm G.I. strip on surface or in recess for connections etc. as reqd.	4 Mtr.	Mtr.
10.	Supplying of 4 X 16 sq. mm XLPE aluminum conductor armoured power cable of 1.1 KV grade i/c testing etc. as reqd.	120 Mtr.	Mtr.
11.	Laying of 1 No. PVC insulated & PVC sheathed / XLPE power cable of 1.1 KV grade of size not exceeding 25sqmm direct in ground i/c excavation sand cushioning, protective covering and refilling the trench etc. as reqd.	120 Mtr.	Mtr.
12.	Providing & fixing 6 SWG GI wire on surface or in recess for loop earthing, alongwith the existing surface/underground conduits/main wiring/cable as reqd.	120 Mtr.	Mtr.
13.	Providing & fixing 32amps capacity TP&N disconnector/fuse switch unit inside the existing cubical panel board with ISI marked HRC fuse including drilling hole in cubical panel board, making connections etc. as reqd.	1 No.	Each

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GOVERNING SPECIFICATION

No.	Item	Governing Specification	Make
1.	Openwell mono Submersible pump set		K.S.B./Kirlskar / Crompton Greaves
2.	C.I. Sluice Valve	IS: 14848	L.V.C./Kirlskar
3.	C.I. Non Return Valve	IS: 5312	L.V.C./Kirlskar
4.	G.I. Pipe	IS: 1239	Jindal (Hissar) / Surya / Tata
5.	Starter	--	L&T/Siemens/Cuttler Hammer
6.	Shunt Capacitor	--	GE/Madhav/Crompton / L&T
7.	Pressure Gauge	--	ANI/HGI/Feibig/Praga
8.	Single phase preventor - cum water level guard	--	L&T/Minilec
9.	Ammeter & Voltmeter	IS: 1248	A.E./Havells/UEL/IMP
10.	PCV sheathed, PVC insulated flat submersible copper cable.	IS: 694	Plaza/Finox/Safex
11.	Disconnecter fuse switch unit	--	Standard/L&T/Havells
12.	Selector switch	--	Havells/Thakur/L&T/KAYCEE
13.	PVC insulated FRLS copper wire	IS: 694	Skytone/National/Ecko/Havells
14.	M.C.B.	IS: 8828	Standard/L&T/MDS/Indokopp/Action
15.	PVC sheathed ^{PVC insulated} PVC insulated XLPE Aluminium Armoured cable.	IS: 1553 ¹⁵⁵³ 1553 C-2 2098 A-1	Asian Cable/Unistar/Ecko/Nicco/Skytone
16.	Panel Board.	A-2	Shall be fabricated as per drawing attached.

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ADDITIONAL CONDITIONS & SPECIFICATIONS

CONDITIONS:

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 programme approved by the Engineer-in-charge. The work shall be executed in close co-ordination 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 execution of the electrical work shall be correspondingly extended. No claim for any idle labour or compensation (except as provided under clause 10-C / 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.5000/- (Rs. Five Thousand Only) shall be deducted from any amount due to the contractor from D.D.A.
3. The following work shall be deemed to be included within the scope of work to be executed by the contractor and nothing extra will be paid on this account:-
 - 1) All minor building work such as cutting of holes and chases in walls ceiling and making good the same with cement mortar 1:4 (1 Cement : 4 Coarse sand)
 - 2) Provision of suitable support and clamps for fixing arrangement including nuts, bolts, cable glands, lugs, terminal blocks etc. as a part of the particular item unless given separately in the schedule of work.
 - 3) Masonry support / G.I. support etc. shall be provided wherever required.
4. Testing of Installation:
 - a) The entire system shall be tested to the satisfaction of Engineer-in-charge.
 - b) Test shall be performed in the presence of the Engineer -in - charge or authorized representatives.
 - c) The contractor shall provide all labour equipments and material required for performance of the tests.
5. The rates quoted by the contractor, shall be firm and should be inclusive of all central stage govt. taxes, duties and levies etc.

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6. Concessional Sales Tax form C/D shall not be issued by the Department.
7. 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 against manufacturing defects on a non judicial stamp paper of Rs.50/-. Only.
8. Contractor shall provide the manufacturer test certificate in respect of all major items.
9. 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.
10. 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.
11. The submersible cable from panel T.W. bore shall be laid in 40mm dia G.I. 'B' class pipe, the cost of which is included in the item of panel board.
12. Flyash bricks shall be used in the work wherever required.

SPECIFICATIONS

1. The work as indicated in the schedule of quantities attached herewith including any modifications, additions, alterations order subsequently shall be carried out as per specifications indicated below :-

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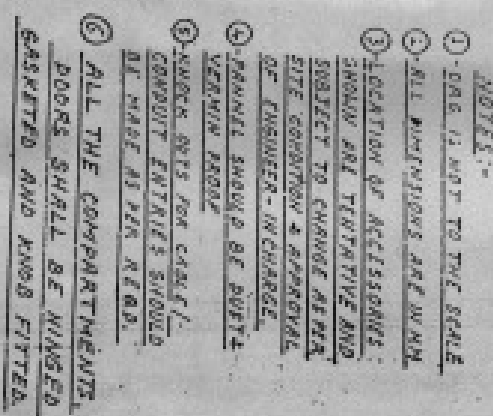
3. The lengths of GI pipe to be used in the work for installation of the mono submersible pump set shall not be more than three meters.
4. No tool and plants will be issued for execution of the work or for testing of the installation. These shall be arranged by the contractor within the quoted cost.
5. The contract would have to make his own arrangement for cartage and transportation of the materials and nothing extra should be payable on this account.
 - a) Type, make, model and HP of the pump set offered.
 - b) Discharge in liters per minutes and head in meters.
 - c) Revolution per minutes.

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1. Highly effective
 2. Highly accurate
 3. Highly reliable