

DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO. 6

NITPA10 11 & 18

IN LIEU OF PWD-6

N.I.T NO. 118/8/EE/ED6/DDA/0-11

Sealed item rate tenders are invited for the following work by the Executive Engineer, Elect. Divn. No. 6 upto 3.30 P.M. on 24/12/10 on behalf of DDA from the approved contractors of appropriate Class of DDA, CPWD, MES, P&T & Railway which shall be opened on the same day at 3.30 P.M. at Ground Floor, Vikas Minar, DDA Office, I. P. Estate, New Delhi in the presence of intending purchaser or their authorized representative.

The tender documents can be had on any working day from the CAU/S Z/DDA Sale counter Ground Floor, Vikas Minar between 10.00 A.M to 3.00 P.M. on payment of amount mentioned against each work (non refundable)

on production of Enlistment Registration Certificate & valid registration with works contract cell of Sale Tax Deptt. of GNCTD and Tax Clearance in Form XI issued by the work contract cell sale of tender form will be stopped four days (i/e the date of opening) before the date fixed for opening of tenders documents.

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

The earnest money should @ 2% of the estimated cost put to tender for all works costing upto Rs 25 Crores and for work costing more than Rs 25 crores. Earnest money should be Rs 50 Lacs plus 1% of the excess over Rs 25 crores. Earnest money shall be deposited in any of the following manner.

In case (upto Rs 10,000/-) currency Receipt Treasury Challan/ Deposit at Call receipt of scheduled Bank/Fixed deposit receipt of scheduled bank/demand draft of a scheduled Bank Guaranteed by DDA. When amount of earnest money is more than Rs 5 Lakh part of earnest money is acceptance in the form of bank guarantee also in such case, minimum 50% of earnest money (but not less than Rs. 5 Lakh) shall be deposited in the shape as described above and for balance amount of earnest money bank guaranty will also be acceptable in favour of Sr. AO/CAU/S Z/DDA.

The tender of the contractor, who does not enclose for earnest money in the prescribed manner shall be summarily rejected.

S. No.	Name of work	E. Cost E. Money	Cost of Tender	Time All.	Dt. of sale Dt. of Opening
1. M/O	Various Cstos Under S2. SH. Common Electrical Services of Bhicamaji Bhawan Repairing of Overhead Lines Sub P/sets & S/P of ML-2 star Delta star for	Rs. 73630 Rs. 1473	Rs. 152/- + 51.42/-	15 days	20/12/10 24/12/10
2.	At Aravali Bio diversity Park King 4967/9 SH. Supply & Installation of Non clog Pump Set 9934 at Ditch Near Hill View Apartment	Rs. 50/- + 15.71/-		Two Months	- do -

(Signature)
Executive Engineer
Electrical Division No. 6
D.D.A. New Delhi

SCHEDULE OF WORK

Name Of Work:

M/O Various colonies under South Zone.

SH: M/O Common electrical services at Bhicaji Cama Bhawan.

Repairing of submersible sump pump set and S/F of ML-2 star Delta Starter.

Sl. No.	Description of item	Qty.	Rate	Unit	Amount
1.	Repairing of following parts of 3 HP motor make dewatering pump set including dismantling, Re-assembling, testing commissioning complete etc. as required. a) Rewinding of motor - 1 job. b) Radial Ball bearing upper side - 1 No. c) Radial Ball bearing lower side - 1 No. d) Mechanical seal upper side - 1 No. e) Mechanical seal lower side - 1 No. f) Cable seal - 1 job.	1 job		Per job	
2.	Repairing of following parts of 5 HP motor make dewatering sump pump set including dismantling, Re-assembling, testing commissioning complete etc. as required. a) Rewinding of motor - 1 job. b) Radial Ball bearing upper side - 1 No. c) Radial Ball bearing lower side - 1 No. d) Mechanical seal upper side - 1 No. e) Mechanical seal lower side - 1 No. f) O. Ring set - 1 Set. g) Impeller nut - 1 No.	1 job		Per job	

	Repairing of following parts of 7.5 H.P. motor make sewage submersible P/set including dismantling, re-assembling, testing commissioning complete as required.			
	a) Rewinding of motor – 1 Job. b) Radial ball bearing upper side – 1 No. c) Radial ball bearing lower side – 1 No. d) Mechanical seal upper side – 1 No. e) Mechanical seal lower side – 1 No. f) O. ring set – 1 Set. g) Shaft sleeve – 1 No. h) Repairing of bearing Housing – 1 Job. i) Impeller nut – 1 No.	1 Job	Job	
4.	Repairing of following parts of 1 HP KSB make sewage submersible P/set including dismantling, re-assembling, testing commissioning complete etc. as required. <ul style="list-style-type: none"> a) Rewinding of motor – 1 Job. b) O Ring set – 1 Set. c) Capacitor 20 MFD – 1 No. d) Cable seal – 1 No. 	1 Job	Job	
5.	S/F of fully automatic star delta starter of ML-2 type L & T make suitable relay range 13-21 suitable to operate on 30 HP induction motor, 3 Ph., 415 volt, 50 HZ-AC supply including testing, commissioning etc. complete as required.	1 No.	Each	

TERMS AND CONDITIONS

1. The work shall be carried out as per instruction of Engineer-in-Charge.

2. No T & P shall be issued by the Department to the agency.

3. Nothing extra shall be paid on account of Taxes/Cartage etc. as required.

4. Contractor shall submit the guarantee certificate for perfect operation of pump set for period of six months. If any defects is notice during the guarantee period the same shall have to be made good by the agency within quoted rates and nothing extra shall be paid on this account.

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Name of Work: Development of Aravali Biodiversity Park at Vasant Kuni Ph II

(SH: Supply and installation of Non Clog Pump Set at Ditch near Hill view Apartments)

S.No.	Description of Item	Quantity	Rate	Unit	Amount
1	Supply, Installation, Testing & Commissioning of following Capacity of horizontal Centrifugal Pump set, 3 phase 415 Volt, 1440 RPM complete with suitable TEFC Type, Foot mounted AC motor, Base Frame, coupling, Coupling Guard complete as required a) 700 LPM at 30Mtrs Head b) Liquid: Treated Sewage/ Storm water(Solid Size: 10 mm)	1Sets		Set	
2	Supplying and fixing of G.I. Pipes, B class of following sizes welded with GI flange on both sides of the length complete with nuts bolts, washers, rubber packing, etc. making connections testing etc. as required. a) 80mm dia. b) 65mm dia.	6Mtrs 180mtrs		Mtr Mtr	
3	Providing & fixing GI Bend of 80 mm Dia. With 8 mm thick GI Flange on both side including nut bolts washers and rubber packing etc. as required	2 Nos		Each	
4	Supplying and fixing of following size of GI Pipe along with accessories in surface/recess including painting incase of surface conduit or cutting ground/wall and making good the same incase of recessed pipe as required a) 40mm dia.	8Mtrs		Mtr	
5	Supplying and Fixing of C.I. non rising Spindle type double Flanged Sluice Valve on the existing pipe line of 35mm dia. with gasket flange, nut, bolts, washers etc. and suitable Support as required	1No.		Each	
6	Supplying and Fixing of C.I. Non Return Valve, Flanged type on the existing pipe line of 65mm dia with gasket flange, nut, bolts, washers etc. and suitable support as required	1No.			

7	Supplying and Fixing of C.I. Foot Valve, screw type on existing pipe line of 80mm dia. Making leak proof connection as required	1 No		Each	
8	Supply and erection of feeder pillar (outdoor type) of size 1150mm X 1000 mm X 300 mm deep fabricated of 2.00 mm thick M.S. Sheet, double lockable door with rain proof cover, mounted on M.S. angle iron frame size 40mm x 40 mm x 5mm thick, of suitable length and suitable to accommodate following items, welding, painting etc. as required as per drawing attached. a) 63 Amps FSU with HRC fuses: 1 Set b) Star Delta Motor Starter, Fully Automatic, Type MK1, suitable for 15 Hp Motor: 1 No. (with Spare space for standby starter, accessories fixing) c) Single Phase Preventer with dry running protection: 1 Nos. d) Power Capacitor, suitable for 15 HP A.C. Motor e) TP MCB, 40 Amps: 2 Nos. f) Volt Meter, Ammeter, Selector Switch: 1 Each g) Indication Lamp Set for Phase indication with MCB protection: 3 Nos. each h) 4 Aluminium Bus Bars 300mm long of 100 Amps. Capacity over Insulators, Nuts bolts, washers as required i) Danger Notice Plate: 1 No.	1 Set		Set	
9	Supplying of following size of XLPE aluminium conductor armoured power cable of 1.1 KV grade including connection testing etc as required a) 4 C x 16 Sq. mm b) 2 C x 10 Sq. mm	400 Mtrs 700 Mtrs		Mtr. Mtr	
10	Providing and fixing 6 SWG Dia. G.I. wire on surface or in recess for loop earthing along with existing surface/recess conduit /sub main wiring /cable as required	1100 Mtrs		Mtr	
11	Laying of one number PVC insulated PVC sheathed /XLPE power cable of 1.1 KV grade of size not exceeding 25 sq. mm direct in ground including excavation, sand cushioning, protective covering refilling the trench as required	625 Mtrs.		Mtr	
12	Erection and Laying of one number PVC insulated PVC sheathed /XLPE power cable of 1.1 KV grade of size not exceeding 25 sq. mm over Shackle insulator of existing erected GI poles, 6mtrs high approx. including binding as required	390 Mtrs		Mtrs	

13	Laying of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size not exceeding 25sq.mm in the existing RCC/Hume/Metal pipe as required	18Mtrs		Mtr	
14	Supplying of 50mm dia. Following length of medium class G.I. Pole with 200mm x 200mm x 5mm thick M.S. base plate duly welded at bottom including painting numbering etc. as required a) 6mtrs long b) 5mtrs long	16Nos. 3Nos.		Each Each	
15	Erection of metallic street light standard pole of length exceeding 4.5 mtrs but not exceeding 6.5 mtrs. In cement concrete 1:3:6 (1 Cement:3 Coarse sand:6 Graded stone aggregate 40 mm nominal size) foundation with cement concrete collar of size 0.4mtr dia x0.5mtr height including excavation and refilling etc. as required.	19Nos		Each	
16	Supplying and erection of galvanized D iron complete with shackle insulator (100mmX110mm) G.I. bolt and nut coach screw etc. as required.	16Nos		Each	
17	Supply and fixing of connector box of size 200mmx150mmx100mm made out of 16SWG, MS sheet on the existing pole with suitable size MS clamp, nut, bolt including connection painting testing earthing with the following accessories on bakelite support etc. as required a) 6amp SP MCB (C series)-1No. b) Neutral Link 4Way.32 Amp-1No. c) Connector 4 Way 32 Amp-1No.	3Nos.		Each	
18	Supplying and drawing following size of FRPVC insulated copper conductor cable in the existing surface/recessed steel/pvc conduit etc. as required a) 3x1.5 sqmm	14Mtrs		Mtr	
19	Supply and fixing post top luminaries with spherical type shade mounted on cast aluminium capsule with 70 watt HPSV lamp, including Choke, Igniter, Condenser on the existing pole, connection testing complete as required	3Nos		Each	
20	Supply and fixing MV danger notice Plate of 200mm x 150mm made of mild steel at least 2mm thick and vitreous enameled white on both side and with inscription in signal red color on front side as required	1No.		Each	

4

21	Supplying and fixing of G.I. Pipe of 50mm dia.(Nominal) 3 mtrs. length along with the pole for protection of underground cable as required	1 No.		Each	
22	Supplying and laying 25mmx5mm GI Strip at 0.50 mtrs below ground as strip earth electrode including soldering etc. as required	30Mtrs		Mtr	
23	Providing & fixing 25mmx5mm GI Strip on surface or in recess for connection etc. as required	5 Mtrs		Mtr	
Total					

Executive Engineer(E)
Electrical Div. 6,DDA
Vasant Kunj ND110070

ADDITIONAL CONDITIONS

1. The work shall be carried out as per CPWD specification for Electrical works Internal 2005 part I and External part II External 2007 with up to date amendments.
2. The Engineer in Charge reserves the right to make any modifications at any stage during execution of work.
3. The work shall be carried out in the presence of Engineer in charge or his authorized AE (E)/JE (E).
4. No T&P shall be issued to the contractor by the department.
5. The contractor shall submit Guarantee certificate of Genuine Material in conformity with relevant Bureau of Indian Standards and satisfactory operation of equipments installed and work carried out for a period of six months from handing over to the department or operating agency as the case may be.
6. The contractor shall have to make suitable watch and ward and transportation arrangement of material used at site during execution of work /installation carried out at site. Nothing extra shall be paid on this account.
7. Insurance of material supplied at site shall be got done by the contractor for minimum period of Six Months with in the quoted rates of the contract.
8. Items used shall be of following makes:

S.No.	Items	Makes
a	Horizontal Centrifugal Pump set, 3 phase 415 Volt, 1440 RPM Non Clog type	i) KSB ii) KIRLOSKAR-SHM 65/32 iii) CROMPTON GREAVES
b	G.I. PIPE (ISI Marked) IS 1239	i) TATA ii) JINDAL
c	FR PVC Cables	i) National ii) Havells iii) SKYTONE
d	XLPE Insulated Aluminium Conductor Armoured Cable	i) Grandlay ii) Skytone ii) Gloster iii) Havell's, Shall be ISI Marked
e	C I SLUICE VALVE and NON RETURN VALVE	i) KIRLOSKAR ii) IVC
f	Control Panel	Shall be as per Drawing attached Fabricated with Standard accessories and with Protections /devices for pump Sets
g	FSU/ MOTOR Starter	Havells/Schneider/L&T/GE
h	Post top Lantern with Spherical Acrylic Diffuser with 70 watt HPSV lamp choke Igniter etc.	Philips/Crompton/Bajaj/Surya

9. Test Certificates of Cable and pumps shall be submitted by the contractor and relevant accessories.

10. The work shall be completed with in *Two Months*