

**DELHI DEVELOPMENT AUTHORITY**  
**ELECTRICAL DIVISION NO:07**

**Press Tender Notice No: 26 / EE / ED-7 / DDA / 2007-08**

Sealed item rate tender are invited for the following works by the Executive Engineer (E) 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 as 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	Tender Cost Time Allowed	Date of Sale Date of opening
1.	M/o Park Plantation, Trucks & Others Equipments in Hort. Wing under Nazul A/C-II. SH: Repair & Maint. of sub. pump set mono block pump set, feeder pillar, & other E & M installation at Shalimar Bagh and Pitampura.	86	Rs.3,66,534.00 Rs.7,331.00	Rs.500.00 Twelve month	14.3.2008 18.3.2008

  
**Executive Engineer(E)**  
**Elect. Divn.7/DDA**

# **SCHEDULE OF WORK**

Name of work: **M/o Park, Plantation trucks & other equipment in Hort Wing under NA-II.**  
**SH: Repair and maintenance of submersible pump set, mono block pump set, feeder pillar and other E & M installation**  
**at Shalimar Bagh and Pitampura.**

S. No.	Description of item	Qty.	Unit	Rate	Amount
1.	Lifting of the submersible pump set from the existing bore well alongwith GI pipe, bend, submersible cable and other accessories i/c dismantalling the GI pipe and pump set etc. complete as reqd.	20 Nos.	Each		
2.	Lowering of submersible pump set in the existing borewell along with the GI pipe submersible cable, wire rope upto reqd. depth i/c making water proof cable joint connection, testing etc. as reqd.	20 Nos.	Each		
3.	Repairing of submersible pump set (6" dia ) 3 phase 415 volt i/c supplying and replacement of the following defective parts of motor and pump set i/c re-assembling, painting, testing etc. complete as reqd.				
A.	<b>Motor Side:</b>				
	a) Rewinding of submersible motor - 3 HP	6 Nos.	Each		
	b) Rewinding of submersible motor - 4 HP	2 Nos.	Each		
	c) Rewinding of submersible motor - 5 HP	4 Nos.	Each		
	d) Rewinding of submersible motor - 6 HP	4 Nos.	Each		
	e) Rewinding of submersible motor - 7.5 HP	3 Nos.	Each		
	f) Rotor Sleeve	20 Nos.	Each		
	g) Gum Metal bearing bush	40 Nos.	Each		
	h) Water Seal	22 Nos.	Each		
	i) Thrust bearing	15 Nos.	Each		
	j) Thrust Plate	15 Nos.	Each		

	k) Sand Guard		15 Nos.	Each		
	l) Coupling sleeve with key		15 Nos.	Each		
	m) Balancing of rotor		5 Nos.	Each		
	n) Rotor sleeve turning & grinding		5 Nos.	Each		
	o) Rotor end repairing and key way making		5 Nos.	Each		
B)	<b>PUMP SIDE</b>					
	a) Gun metal impeller		40 nos.	Each		
	b) Remetalling of gun metal impeller		20 Nos.	Each		
	c) Guide bush		50 Nos.	Each		
	d) Distance sleeve		50 Nos.	Each		
	e) GM neck ring		50 Nos.	Each		
	f) Sand Guard		15 Nos.	Each		
	g) Pump shaft for one stage		15 Nos.	Each		
	h) NRV body		5 Nos.	Each		
	i) Stage bowl C.I.		10 Nos.	Each		
	j) Upper bush		10 Nos.	Each		
	k) Suction chamber		10 Nos.	Each		
4.	Supply and replacement of DOL starter MK-1 type suitable for / upto 7.5 HP pump set on the existing panel board feeder pillar i/c connection, testing etc. complete as reqd.		10 Nos.	Each		
5.	Supply & replacement of water proof sub, copper cond., Cable of size 1X3X1.5 sq.mm i/c S/F cable clips, making connections, cable jointing and testing etc. complete as reqd.	300 Mtr.		Mtr.		

6.	Supplying & fixing of the following size of GI pipe B-class flanged type with necessary pipe fitting bend etc. as reqd.				
	a) 65mm dia	12 Mtr.	Mtr.		
	b) 50mm dia	45 Mtr.	Mtr.		
7.	Supply & replacement of the following spare parts and materials in the existing panel board i/c connection testing etc. as reqd.				
	a) Over load relay (9 to 14 Amps.)	10 Nos.	Each		
	b) Operating coil 400/440 volts, m 50 Hz.	10 Nos.	Each		
	c) Contact kit ( DOL Starter)	10 Nos.	Each		
	d) Voltmeter (0-500 Volt) sq. type (96mm X 96mm)	10 Nos.	Each		
	e) Ammeter (0-30 Amp.) sq. type (96mm X 96mm)	15 Nos.	Each		
	f) 32 Amp. TP&N MCB (C-series)	15 Nos.	Each		
	g) 32 Amps. TP&N MCB (C-series)	15 Nos.	Each		
	h) 16 Amps. SPN MCB (B-series)	10 Nos.	Each		
8.	Dismantling of sub. pump set upto 10 HP capacity for checking and assessment of parts to be replaced/repared i/c cartage etc. as reqd.				
	a) Motor Side	20 Job	Job		
	b) Pump side	20 Job	Job		
9	Rewinding of induction motor of kirloskar make of monoblock pump set of the following capacity operated on 3 phase 400/440 volts 50 C/S AC supply i/c testing etc. as reqd.				
	a) 7.5 HP 1440 RPM	3 Nos.	Each		
	b) 5 HP 1440 RPM	2 Nos.	Each		
10.	Repairing of mono block pump set of kirloskar make of 7.5 HP capacity i/c replacement of the following worn-out parts testing etc. as reqd.				
	a) Gun metal bush	4 Nos.	Each		



	b) Ball bearing 6305	4 Nos.	Each		
	c) Ball bearing 6308	4 Nos.	Each		
	d) Impeller key	4 Nos.	Each		
	e) C.I. impeller	3 Nos.	Each		
	f) Gland dori, packing sheet, nut bolts & grease etc.	4 Job	Job		
11.	Dismentalling of mono block pump set upto 10 HP from the site and refixing the same after being repaired i/c cartage, testing etc. complete as reqd.	4 Job	Job		
12.	Supply of following size of XLPE PVC sheathed al. cond. Armoured cable of 1.1 KV grade i/c testing etc. As reqd.				
	a) 4 X 16 Sq.mm	200 Mtr.	Mtr.		
13.	Supply & making straight through joint with cast resin compound i/c ferrules and other jointing materials for roll wing. size of PVC insulated and PVC sheathed / XLPE al. cond. Cable of 1.1 KV grade as reqd.				
	a) 4 X 16 Sq.mm	5 Nos.	Each		
14.	Laying of 1 No. PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm direct in ground i/c excavation but excluding sand cushioning and protective covering and refilling the trench etc. as reqd.	200 Mtr.	Mtr.		

Executive Engineer (E)  
Elect. Divn. 7/DDA.

## INVENTORY

### PART-A

#### **Booster Pumps**

Upto 7.5 HP mono block pump set - 3 Nos.

Upto 10 HP mono block pump set - 1 Nos

Control panel comprising of, MCB, Bus bar, voltmeter Ammeter, etc.  
Details of Valves. ....

### PART-B

#### D.G. Set

Capacity .....

Control panel comprising of

N.A.

### PART-C

#### Submersible pump set

- 4.8  
a) 5 to 7.5 HP submersible pump set. 4.8 Nos.  
b) Control panel comprising of MCB, Bus bar, voltmeter Ammeter, etc.

### PART-D

- (i) Water Level Indicator N.A.

### PART-E

- a) Internal Electrical installation : N.A.  
b) External electrical installations :  
(Compound lighting etc.)

Executive Engineer (E)  
Elect. Divn.7/DDA

### **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 programme approved by the Engineer-in-charge. No claim for any idle labour or compensation (except as provided under clause 10C/10CC ) as applicable in the printed conditions or contract shall be entertained.
2. The work as indicated in the schedule of work attached herewith i/c any modification/alternation ordered subsequently shall be carried out as per the specification indicated below:-
  - a) CPWD specification for electrical works (part-I), Internal 2005 (part-II), external 1994 with correction slips upto the date of tenders.
  - b) Relevant BIS as modified upto the date wherever BIS code do not exist the British standard should be followed:-
3. Nothing extra shall be paid on account of cartage.
4. No T & P shall be issued to the agency by the Deptt. For the execution of work.
5. Water and electricity for the execution of work shall be arranged by the firm through their own arrangement and charges if any shall be borne by them.
6. Testing of the installation shall be done by the contractor within the quoted rates. The arrangement of labour/material required for testing shall be arranged by the firm within the quoted rates.
7. Time allowed for carrying out of the work shall 12 months.
8. The wornout parts of sub. Pump set/ D.G. set to be replaced shall be of the same make as that of pump set.
9. The contractor shall stand guarantee for a period of 6 months for material supplied / installed against manufacturing defects / satisfactory performance from the date of completion / handing over whichever is later on a non judicial stamp paper of Rs.50/-.
10. The contractor has to return the dismantled material to the deptt. After replacing the defective items at site suitable rebate for dismantle material may be offered (if required).
11. Proper handing / taking over of all the E&M installation for repairing shall be carried out by JE(E)/AE(E)-in-charge of the work and the contractor in writing immediately after award of work and before start of work. The same shall be handed over to the deptt. In proper working condition after expiry of the contract.

12. The contractor shall take all safety measures at site during maintenance / repairs, of the installation.
13. The contractor shall deploy trained and competent staff to the satisfaction of Engineer-in-charge.
14. Any injury / mishap to the staff during duty hours will solely to the liability of the contractor.
15. The Engineer-in-charge if so desire, may extend the contract upto 2 months or terminate the contract at any time after giving 15 days notice for which no compensation shall be paid.
16. All electric connections shall be checked atleast once in a month and set right if required.
17. Testing of the installation shall be done by the contractor. The arrangement of labour / material required for testing shall be arranged by the contractor within the quoted rates.
18. The following makes of the materials are acceptable:-
  - a) Ammeter / Voltmeter : IS: 1248 AE/UEL/IMP.
  - b) GI pipe : IS:1239 Hammer(Hissar), TATA,Surya
  - c) M.C.B. : IS: 8828: Standard/Indo kopp/Action with 10 KVA capacity.
  - d) PVC insulated FR copper wire : IS:694 Skytone/National/ECKO/Havell's
  - e) D.O.L. starter : L&T/Siemens/Outler Hammers
  - f) PVC sheathed, PVC insulated flat Submersible copper cable. : IS: 694 : Plaza/Finox/Safex.
  - g) PVC insulated/XLPE al. cond. Cable : IS:7098 Asian Cable, Unistar, ECKO, NBICCO, Skytone.
19. The clause 10C or 10CC shall not be applicable in this contract .
20. The contractor has to submit the test certificate of all items in the schedule of work (if required).

**Executive Engineer (E)**  
**Elect. Divn.7/DDA**