

OFFICE OF THE DY. DIRECTOR  
HORT. DIVISION NO.2 / DDA  
Rama market Pitampura, Delhi-110034

Due to shortage of PWD-7/PWD-8, the same has not been appended to the tender documents. Tenders are requested to see NIT along with up to date correction slips in the office before tendering.

1. Name of the Contractor : .....
2. Date of Application & Receipt : .....
3. Date of issue of tender : 6-9-08
4. Cost of tender : Rs. 500-00
5. Date & Time of opening of tender : 10-9-08
6. Tender issued at CAU (NZ) Office : .....  
Sales counter at Vikas Minar

Dy Dir. Hort-II  
DDA

(2)

ITEM RATE TENDER FOR WORK

I/We hereby tender for the execution of the work for the Delhi Development Authority which is specified in under written memorandum with in the time specified in such memorandum at the item rate entered in the schedule attached and in accordance in all aspects with the specifications, design, drawings and instructions in writing referred to in clause-11 of the conditions of contract and with such materials as are provided by and in all other respect in accordance with such conditions so far as applicable.

MEMORANDUM

(a) General Description

*M/o Park plantation truck and other equipment  
in Hort wing. Under M/A-II*

*SHR Repair & M/o. Sub. P/sect., Monoblock Rmb Se  
Panel board / Feeder pillar / equipment  
in Park green at T. K. R. Kalan, Multan alga  
Pitampura H.O-II*

(b) Estimated Cost

Rs. 197404-00

(c) Earnest Money

Rs. 3948-00

(d) Security Deposit

- Total 10% of tendered value.
- (i) 5% of tendered value of work from running bills and
  - (ii) 5% of tendered value of work as Performance Guarantee before award of work.

(e) Time allowed for the work from the 10<sup>th</sup> day after the date of written order to commence.


6 months

# 87 SCHEDULE OF WORK

NAME OF WORK: - M/o Park, Plantation trucks & other equipment in Hort. Wing under N.A.-II

[SH: - Repair & maintenance of submersible pumpo set mono block pump set, panel board / feeder pillars other equipment in park green at Tikri Kalyan Nangloi Multan Nagar, Pitampura under Hort. Divn. No.II.

S.No.	Description of Item	Qty.	Unit	Rate Rs. Pc	Amount
1.	Lifting of the submersible pump set from the existing bore well along with the G.I. pipe, bend, submersible cable and other accessories including dismantling the G.I. pipe and pump set etc. complete as required.	10	Job		
2.	Lowering of submersible pump set in the existing bore well along with the G.I. pipe, submersible cable, wire rope etc. upto required depth including making water proof cable joint, connection, testing complete etc. as required.	10	"		
3.	Repairing of submersible pump set (6" dia.) 3 Phase, 415Volts including supplying and replacement of the following defective parts of motor and pump including reassembling, painting, testing complete as required.	-	-		
	(A) <u>Motor Side</u>				
	a) Rewinding of Submersible Motor 3 H.P.	1	N <sub>o</sub>		

  
 Dy Dir. Hort.  
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	b) Rewinding of Submersible Motor 4 H.P.	4	No	
	c) Rewinding of Submersible Motor 5 H.P.	4	"	
	d) Rewinding of Submersible Motor 6 H.P.	1	"	
	e) Rotor sleeve	112	"	
	f) Gun Metal bearing bush	10	"	
	g) Water seal	10	"	
	h) Thrust bearing	16	"	
	i) Thrust plate	16	"	
	j) sand Guard	8	"	
	k) Coupling sleeve with key	5	"	
	l) Balancing of rotor	5	"	
	m) Rotor sleeve turning & grinding	15	"	
	n) Rotor end repairing & key way making	5	"	
	(B) <u>Pump Side</u>	-	-	
	a) Gun Metal Impeller	8	No	

  
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b) Rematling of gun metal impeller	10	1/0		
c) Guide bush	10	"		
d) Distance Sleeve	25	"		
e) Neck ring	25	"		
f) Sand Guard	8	"		
g) Pump shaft for one stage	16	"		
h) NRV Body	4	"		
i) NRV Repairing	2	"		
j) Stage bowl C.I.	5	"		
k) Impeller Key	10	"		
l) Upper bush	8	"		
m) Upper Sleeve	6	"		
n) Additional Stage, Pump Saft	7	"		
o) Suction chamber	5	"		

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4.	Supplying and replacement of Direct on line starter MK-1 type suitable for upto 7.5 H.P. pump set on the existing panel board / feeder pillar including connection, testing etc. complete as required.	4	No			
5.	Supplying and replacement of water proof submersible copper conductor cable of size 1 X 3X 1.5 sq. mm including S / F cable clips, making connection, cable jointing, testing etc. complete as required.	200 Mtr.	P. Mtr			
6.	Supplying and fixing of following size of G.I. pipe B-Class flange type with necessary pipe fittings, flange, bend etc. as required.					
	a) 65mm dia.	9	No			
	b) 50mm dia.	15	"			
	c) 80 mm dia	9	"			
7.	Lifting out of fallen submersible pump set from borewell with G.I. pipe and other accessories i/c disconnection complete as required.	1	"			
8.	Supplying and replacement of the following worn-out parts and material in	—	—			

By Civil Engineer  
D.D.A.

	the existing panel board / feeder pillar including connection, testing etc. complete as required.				
	a) Over load relay (9 to 14 Amps.)	5	No		
	b) Operating Coil 440/400 Volts	5	"		
	c) Contact Kit (DOL starter MK-1)	5	"		
	d) Volt meter (0 – 500 Volts) Sq. type (96mm X 96mm)	5	"		
	e) Ammeter (0 – 30 Amps) Sq. type (96mm X 96mm)	5	"		
	f) 32 Amps T.P. & N MCB (C-Series)	5	"		
	g) 32 Amps T.P. MCB (C-Series)	5	"		
	h) 16 Amps D.P. MCB (B-Series)	5	"		
9.	Dismantling of submersible pump set upto 10 H.P. capacity for checking and assessment of parts to be replaced / repaired including cartage etc. as required.				
	a) Motor side	10	No		
	b) Pump Side	10	"		

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12.	Supply & Replacement of C.I. Non-Return Valve 50mm dia. Flange type complete with rubber packing Nuts-Bolts, Washer, testing etc. as required.	1	No		
13.	Dismantling of Mono block pump set upto 10 ·5H.P. capacity from the site and refixing the same after repairing including cartage, testing etc. complete as required.	4	11		
14.	Supply of PVC insulated. PVC sheathed aluminum conductor armoured cable of 1.1 KV grade of size 4 X 16 sq. mm, including testing etc. as required a) 4 X 25 sq.mm b) 4 X 16 sq.mm	70 80	11 11		
15.	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1KV grade of size not exceeding 25 mm <sup>2</sup> direct in ground i/c excavation, and refilling the trench etc. as reqd. (Excluding sand cushioning & protective covering etc. as required.	150	No		

10/11/20  
BY Smt. Mohini  
P.D.A.



## INVENTORY

### PART-A

#### **Booster Pumps**

### PART-B

#### D.G. Set

### PART-C

#### Submersible pump set

- a) submersible pump set. From 1.5 HP to 7.5 HP = 37 Nos.  
mono block 7.5 HP = 7 Nos.
- b) Control panel comprising of MCB, bus bar, Amp. Meter, voltmeter, single phase preventor capacitor 20 amp. Industrial socket.

### PART-D

- (i) Water Level Indicator

### PART-E

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

by  
D. Dir. Fort-II  
D.D.A.

ADDITIONAL CONDITIONS & SPECIFICATIONS

- 1- The rate quoted by the contractor shall be firm and should be inclusive of all central /state Govt. taxes duties and levies. Concessional sales tax form C/D shall not be issued by the Deptt.
- 2- Nothing extra shall be paid on account of cartage.
- 3- No T & P shall be issued to the agency by the Deptt. for the execution of work.
- 4- 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.
- 5- 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.
- 6- Time allowed for carrying out of the work shall of 12 Months
- 7- End termination of cable in TP & N switch/MCB Isolator shall be done by the contractor.
- 8- No tubewell bore shall be left open as & when submersible P/Set are taken out for repair / replacement, no open bore hole shall be there under their areas.
- 9- The wornout parts of sub.P/Set/Monoblock P/Set to be replaced shall be of the same made as that of Pumpset.
- 10- 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 latter on a non judicial stamp paper of Rs.50/-
- 11- The clause IOC or IOCC shall not be applicable in this contract.
- 12- The contractor has to return the dismantled material to the deptt. after replacing the defective items at site/suitable rebate for dismantled materials may be offered (if reqd.)
- 13- The following makes are acceptable for the following :-
  - a) DOL Starter - LI/LK, Siemens, Bhartia Cutler Hammer.
  - b) MCB - As per IS:8828 with the following makes-Standard, L&T, MDS, Indokopp, Action, minimum breaking capacity 10 KA at 240/415 volts.
- 14- PVC sheathed, PVC insulated flat submersible copper-As per IS:694-Plaza, Finolex, Safex.
- 15- G.I. Pipe - As per IS:1239- Jindal (Hissar) Surya, TATA,
- 16- Starter and Accessories; L&T, Siemens, Cutler Hammer.
- 17- Ammeter & Voltmeter- As per IS-1248: AE/Havell's / UEL, I.M.P.
- 18- Ball bearing- TATA, SKF, NBC.
- 19- PVC insulated - copper wire -As per IS-694-Skytone/National Ecko/ Havell's.
- 20- PVC insulated/XLPE armoured cable IS:7098, Assign cable/Unistar - ECKO/NICCO, Skytone.
- 21- Fly ash bricks shall be used for laying of cable if reqd.

07/09/16

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- 22- NRV Valve ; M/s JVC/M/s Kirloskar.
- 23- The work as indicated in the schedule of work attached here with i/c any modification/ alternation ordered subsequently shall be carried out as per the specification indicated below:  
a) CPWD specification for electricals work(Part-I internal 1994 Part-II) External-1994 with correction slips upto the date of tender.  
b) Relevant BIS as modified upto the date of wherever BIS code do not exist the British Standard should be followed.
- 24- The contractor has to submit the test certificate of all items in the schedule of work.
- 25- For laying of cables in pucca portion and removing of existing damaged/defective cables, payment will be made (as per DSR and actual requirement at site) and no extra payment shall be made on this account.
- 26- Proper handing/taking over of all the E & M installation shall be carried out by J.E(E)/A.E(E) in charge of work and the contractor in writing immediately after award of work and before start of work. The same shall be handed over to the department in proper working conditions after expiry of the contract.

By / Sd/-  
Dy. Dir. Hort-II  
D.D.A.