

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

(3)

ITEM RATE TENDER FOR WORK

Dy Dir. Hort-II
DDA

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 -

M10 Various Parks (296.38 Acce. land) under N/A.I
SH: Repair & maintenance of submersible
Pump Set, 6 cased pillar, 2.8 m. installn.
at Motia Khan, Idgah, Faiz road

(b) Estimated Cost

: Rs. 1,55,417-00

(c) Earnest Money

: Rs. 3108-00

(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 10th day after the date of
written order to commence.

12 months


87-

SCHEDULE OF WORK

NAME OF WORK: - M/o Various park 296.38 acre under Nazul A/C-I.

SH: Repair & maintenance of submersible pump set feeder pillar and other E & M installation at Motia Khan, Idgah, Faiz Road.

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.	3	Ac			
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.	3	Ac			
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	No			
	b) Rewinding of Submersible Motor 4 H.P.	1	No			

By  Dy. Commr. Idgah
K. D. A.

	c) Rewinding of Submersible Motor 5 H.P.	1	No		
	d) Rewinding of Submersible Motor 6 H.P.	1	"		
	e) Rewinding of Submersible Motor 7.5 H.P.	1	-		
	f) Rotor sleeve	4	No		
	g) Gun Metal bearing bush	10	"		
	h) Water seal	8	"		
	i) Thrust bearing	3	"		
	j) Thrust plate	3	"		
	k) sand Guard	2	"		
	l) Coupling sleeve with key	2	"		
	m) Balancing of rotor	2	"		
	n) Rotor sleeve turning & grinding	1	"		
	o) Rotor end repairing & key way making	1	"		
	(B) Pump Side				
	a) Gun Metal Impeller	10	"		

By Mr. V. V. V.
BDA

b) Remating of gun metal impeller	5	140	
c) Guide bush	15	"	
d) Distance Sleeve	15	"	
e) Neck ring	15	"	
f) Sand Guard	2	"	
g) Suction chamber [Pump size 4" Dia]	2	"	
h) Pump shaft for one stage @ 105/- each + 23 /at stage for 25 stage	2	"	
i) E.P. Impeller	50	"	
j) E.P. Stage Bowl	50	"	
k) Upper bush	2	"	
l) Impeller Key	4	"	
m) Upper bush	2	"	
n) Upper Sleeve	2	"	
o) Additional Stage, Pump Sift	10	"	
p) Suction chamber	1	"	

By Oct 10/11
BDA

	q) NRV Body	Q	No		
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.	3	"		
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		
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	MTR		
	b) 50mm dia.	9	"		
	c) 80 mm dia	6	"		
7.	Supply & replacement of the following spare parts and materials in the existing panel board i/c connection testing etc. as reqd.				

By Mr. Horni
MTR

	a) Operating coil (400/440 volts,) 50 Hz.	2	No		
	b) Contact kit (DOL Starter)	2	"		
	c) Voltmeter (0-500V) Sq/.type (96mmX96mm)	4	"		
	d) Ammeter (0-30Amp.) sq. type (96mmX96mm)	4	"		
	e) 32 Amp. TP&N MCB (C-Series)	5	"		
	f) 32 Amp. TP MCB (C-Series)	5	"		
	g) 32 Amp. SPN MCB (C-Series)	5	"		
8.	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	4	No		
	b) Pump Side	4	"		
9.	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	100	MTR		

	b) 4 X 25 sq.mm	100	MTR		
10.	Supply & making straight through joint with cast compound i/c ferrules and other jointing material for following size of PVC insulated and PVC sheat XLPE al. cond. Cable of 1.1 K.V. grade as reqd.				
	a) 4 X 16 sq.mm	2	N ₆		
	b) 4 X 25 sq.mm	2	N ₆		
11.	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1KV grade of size not exceeding 25 mm ² direct in ground i/c excavation, and refilling the trench etc. as reqd. (Excluding sand cushioning & protective covering etc. as required.				
12.	Supplying & fixing of 50mm dia NRV of Kirloskar make i/c rubber packing nuts, bolts, etc. as reqd.	200	MTR		
		1	N ₆		
13	Dismantalling & rewinding and refixing of control panel board with suitable size of copper wire complete as reqd.	2	"		

10
 Dy. Ch. P. N. S.
 J. B. S. A.

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 the idle labour or compensation (except as provided under clauses 10C / 10-CC as applicable in the printed conditions of contract) shall be entertained.
2. 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 indicated below: -
 - a) CPWD Specifications for Electrical works at Delhi Part-I (internal) 2005 and Part-II (External) 1994 with correction slips upto the date of tender.
3. Relevant BIS as modified upto date wherever BIS code do not exist the British Standard should be followed:-
4. Nothing extra shall be paid on a/c of cartage.
5. No, Tool & Plants will be issued to the agency by the depptt. for execution of the work.
6. Water & 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.
7. Time allowed for carrying out of the work shall be 12 month.
8. The worn out parts of submersible pump set / D. G. Set to be replaced shall be of the same make as that of pump set / D. G. 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 of work / handing over whichever is latter on non judicial stamp paper of Rs. 50=00.
10. The contractor has to return the dismantled material to the deptt. after replacing the defective items at site ,suitable rebate for dismantled material may be offered (if required)
11. Proper handing / taking over of all the E & M installations 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 department in proper working condition after expiry of the contract.
12. The contractor shall take all safety measure at site during maintenance / repairs of the installations.

13. The contractor shall deploy trained and competent staff to the satisfaction of Engineer-in-Charge.
14. Any injury / mishap to the maintenance staff during duty hours will solely be the liability of 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 at least once in a month & set right, if required.
17. The contractor has to submitte the test certificate of all items in the schedule of work.
18. Testing of the installation shall be done by the contractor, the arrangement of labour / material required for testing shall be arranged by the firm within the quoted rates.
19. Following makes of materials shall be used for the items mentioned here undere:-
 - a) Voltmeter / Ammeter—IS-1248---AE / UEL / IMP.
 - b) G.I. Pipe (ISI marked) ---1239-----TATA, Jindal (Hissar), Surya.
 - c) MCB -----IS-8828----- Standard / Indo Kopp / Action capacity 10KVA
 - d) PVC Insulated FR ----IS: 694 -Skytone / National / ECKO / Havell's.
Copper wire
 - e) DOL starter ----- L & T / Siemens / Bhart Cutler Hammer
 - f) PVC Sheathed insulated flat ----- Finolex / Plaza / Safex
Submersible Copper cable.
 - g) PVC Insulated / XLPE Al. Cond. cable ---- IS: 7098--- Asian cable / Unistar /
ECKO / NICCO / Skytone.
20. The clauses 10C or 10-CC shall not be applicable in this contract.

104
Dir. Hort-II
D.D.A.

INVENTORY

PART-A

Booster Pumps

.....

PART-B

D.G. Set

PART-C

Submersible pump set

- a) submersible pump set. From HP to HP = Nos.
mono block HP = 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.)

109
Dy Dir. Hort-II
D.D.A.