

DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO. - 7

No:F.2(7)EE/ED-7/DDA/ 2633

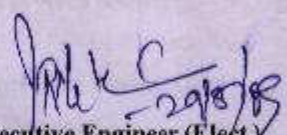
Dated: 29-8-09

To

The Director (System)
DDA, Vikas Sadan,
New Delhi.

Sub: Uploading of Award letter.

Please find enclosed herewith 4 Nos. award letter for uploading
the same on D.D.A. website.


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

Copy to: S.E.(E)-2/DDA for kind information please.

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

R.A.D.

**DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO-7
KESHAVPURAM, DELHI-110035.**

No:- F. 68 (26) EE / ED-7 / DDA / 2009-10 / 26/7

Dated:- 26/8/09

To

M/s Pumps Engg. & Associates,
B-1124, Shastri Nagar,
Near Sarai Rohilla,
Delhi-110052.

Name of work:- M/o Completed Scheme under North zone.

**SH: Lifting / Lowering, repair of sub. Pump set & other elect.
installation in Yamuna Bio-diversity park at Jharoda Mazara &
Wazirabad.**

Dear Sir(S),

Your item rate tender for the above mentioned work has been accepted on behalf of Delhi Development Authority, at the rates, terms and conditions as given below:-

1. Estimated Cost : Rs.1, 91,405.00 (Rs. One Lac Ninety One Thousand Four Hundred & Five only).
2. Contractor Quoted Amount : Rs.1, 82,744.00 (Rs. One Lacs Eighty Two Thousand Seven Hundred & Forty Four only).
3. Net Tendered Amount : Rs.1, 82,744.00 (Rs. One Lacs Eighty Two Thousand Seven Hundred & Forty Four only).
4. %age for the purpose clause-12 : Item Rate 4.52 % below (Four point Five Two percent below the estimated cost).
5. Performance Guarantee : Deposited vide FDR No. 974763 dated 22-08-09
5 % of Tendered Amount for Rs. 10,000=00 issued by CANARA BANK,
Tri Nagar , Delhi. valid upto 21-11-2010
6. Time Allowed : Twelve Months

Contd....2/-

You are also requested to attend the office of the under signed along with a non-judicial stamp paper worth Rs.50/- (Rs. Fifty only) to complete the formal agreement within seven days from the date of issue of this letter failing which the award of work shall / likely to be withdrawn and the entire amount of your earnest money shall be forfeited.

You are requested to contact AE-III / Electrical Division -7 and start the work at once. Please note that the time allowed for carrying out the work as entered in the agreement shall be reckoned from the 10th day after the date of issue of this letter to commence the work.

This office letter dated 22.08.2009 shall be part of the agreement.

Yours faithfully,

(Er. R.C. Rabidas)
Executive Engineer (Elect.)
Electrical Division No.-7
Delhi Development Authority

Copy to:-

1. C.E.(Elect.) / DDA for information please.
2. F.O. to C.E. (Elect.) for information please.
3. SE.(Elect.) / Electrical Circle-2 for information please.
4. Sr. A.O., CAU (NZ) / DDA.
5. Executive Engineer (Elect.) / Q.C.C. / Vikas Sadan, DDA.
6. Executive Engineer (Elect.), Electrical division No-1 to 6 & 8 to 12 DDA.
7. A.O. (W)-II, DDA, Vikas Sadan, New Delhi.
8. Labour Commissioner, 15 Rajpura Road, Delhi.
9. Income Tax Officer (Contractor Cell), ITO, New Delhi.
10. The Commissioner Sales Tax, G NCT D.I.P. Estate New Delhi.
11. Asstt Engineer (Elect.)-III / Electrical Division -7 along with a copy of schedule.
12. Head Clerk / Electrical Division -7
13. AE (Plg.) / Electrical Division -7
14. Copy of Agreement.
15. Concerned File.
- ✓ 16. E-Mail to ddatender@dda.org.in.
17. office copy.

(Er. R.C. Rabidas)
Executive Engineer (Elect.)
Electrical Division No.-7
Delhi Development Authority

DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION-7
SCHEDULE OF WORK

NAME OF WORK: - M/o Completed Schemes Under North Zone, Nazul A/c-II.

[Site: - Lifting / Lowering, Repair of Submersible pump set & other Electrical Installations in Yamuna Bio-Diversity Park at Jharoda Mazra & Wazirabad.]

Description of Item	Qty.	Unit	Rate	Amount
Lifting of the submersible pump set / mono sub. Pump set from the existing bore well / open 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.	5 Job	P/job	800/-	4000/-
Lowering of submersible pump set/mono sub. P/set in the existing bore well / open 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.	5 Job	P/job	850/-	4250/-
Repairing of submersible pump set (6" dia.) 3 Phase, 415 Volts including supplying and replacement of the following defective parts of motor and pump including reassembling, painting, testing complete as required.				
(A) Motor Side				
a) Rewinding of Submersible Motor 5 H.P.	2 Job	P/job	5200/-	10400/-
b) Rotor sleeve	2 Nos.	Each	220/-	440/-
c) Gun Metal bearing bush	4 Nos.	Each	40/-	160/-
d) Water seal	2 Nos.	Each	55/-	110/-
e) Thrust bearing	1 Nos.	Each	420/-	420/-
f) Thrust plate	2 Nos.	Each	520/-	1040/-
g) sand Guard	2 Nos.	Each	125/-	250/-
h) Coupling sleeve with key	1 Nos.	Each	300/-	300/-
i) Balancing of rotor	1 Nos.	Each	725/-	725/-
j) Rotor sleeve turning & grinding	2 Nos.	Each	155/-	310/-
k) Rotor end repairing & key way making	2 Nos.	Each	175/-	350/-

RE - 'A'

2% of the
for all works
d for work
res, earthen
plus 1% of

A **C** **D** **OW**

(Signature)
 (JEP) (AEP)

RECEIVED ENGINEER
 Electrical Division
 H & S Sub-Station

ACCOUNTS OFFICER
 CAU (NZ) DDA
 Adalat Vihar Rd-1, Delhi

(B) Pump Side

a) Gun Metal Impeller	5 Nos.	Each	750/-	3750-
b) Remounting of gun metal impeller	3 Nos.	Each	200/-	600-
c) Guide bush	8 Nos.	Each	150/-	1200-
d) Distance Sleeve	8 Nos.	Each	135/-	1080-
e) Neck ring	8 Nos.	Each	200/-	1600-
f) Sand Guard	2 Nos.	Each	120/-	240-
g) NRV Body	1 Nos.	Each	600/-	600-
h) Stage bowl C.I.	2 Nos.	Each	500/-	1000-
i) Suction chamber	1 Nos.	Each	500/-	500-
j) Upper Bush	2 Nos.	Each	200/-	400-

Repairing of submersible pump set (4" dia) single phase, 240 volt i/c supplying & replacement of the following defective parts of motor & pump i/c reassembling painting, testing, complete as reqd.

A- Motor Side

a) Rewinding of sub. P/set motor -1.5 HP	4 Job	P/Job	2800/-	11200-
b) Rotor sleeve	8 Nos.	Each	140/-	1120-
c) Gun Metal Bearing bush	8 Nos.	Each	250/-	2000-
d) Water seal	3 Nos.	Each	20/-	60-
e) Seal Bush	3 Nos.	Each	150/-	450-
f) Upper Housing	3 Nos.	Each	250/-	750-
g) Lower Housing	3 Nos.	Each	250/-	750-
h) Thrust Bearing	2 Nos.	Each	350/-	700-
i) Thrust Plate	2 Nos.	Each	350/-	700-
j) Sand Guard	3 Nos.	Each	350/-	1050-
k) Coupling sleeve with key	4 Nos.	Each	207/-	828-
l) Rotor sleeve with key	2 Nos.	Each	125/-	250-
m) Rotor end repairing & key way making	2 Nos.	Each	125/-	250-
n) Stamping repair of motor	2 Nos.	Each	450/-	900-
o) Balancing of rotor	2 Nos.	Each	450/-	900-

A-11-f
C-11-f
D-11-f
NW/1

[Handwritten signature]

46-28-

Electrical Division No. 7,
DDA/Kashmiri Bazar, Delhi-55

Accounts Officer
CAU (NZ) DDA
Advt. Vague Bt. DDA

P)	Epoxy paint of rotor	1 Job	Each	(360/-)	3600-
(B) Pump Side					
a) Suction Chamber	Three hms + 10mm sq mm x 10mm	2 Nos.	Each	(330/-)	6600-
b) Pump side for one stage	Three hms + 10mm sq mm x 10mm	10 Nos.	Each	(120/-)	12000-
c) Additional stage	Three hms	10 Nos.	Each	(25/-)	2500-
d) E.P. Impeller	One hms + 10mm sq mm	28 Nos.	Each	(190/-)	5320-
e) E.P. Stage bowl	One hms + 10mm sq mm	28 Nos.	Each	(190/-)	5320-
f) Upper bush	One hms	4 Nos.	Each	(100/-)	400-
g) N.R.V. Body	One hms	3 Nos.	Each	(360/-)	1080-
h) Inlet Ring	Three hms + 10mm sq mm	10 Nos.	Each	(100/-)	1000-
5. Supplying & replacement of direct on line starter MK-1 type suitable for / upto 7.5 HP sub. Pump set in the existing panel board / feeder pillar i/c connection, testing etc. complete as reqd. (C.P.H.)		2 Nos.	Each	(1500/-)	3000-
6. Supplying & replacement of submersible pump starter in sheet enclosure MFGI type suitable for single phase motor of 1.5 HP capacity in the existing panel board / feeder pillar i/c connection testing etc. as reqd. (C.P.H.)		2 Nos.	Each	(1900/-)	3800-
7. Supplying & replacement of water proof submersible copper cond. Cable of size 1X3X15 sq mm i/c S/F cable clips making connections, cable jointing testing etc. complete as reqd. (C.P.H.)		100 Mtr.	Mtr.	(50/-)	5000-
8. Supplying & fixing of following size of G.I. pipe B class flange type with necessary pipe fitting, bend etc. as reqd.					
a) 40mm dia	Three hms + 10mm sq mm	30 Mtrs.	Mtr.	(325/-)	9750-
b) 50mm dia	One hms + 10mm sq mm	24 Mtr.	Mtr.	(414/-)	9936-
9. Supplying & replacement of the following spare parts and material in the existing panel board / feeder pillar i/c connection, testing etc. complete as reqd.					
a) Over load relay (Diff. range upto 14 Amp.) (31 hms + 10mm sq mm)		3 Nos.	Each	(670/-)	2010-
b) Operating Coil 230/250 Volts or 440/400 v. 50 Hz (31 hms + 10mm sq mm)		4 Nos.	Each	(200/-)	800-
c) Auxiliary Contact Block. (1 + 1 Nos.)	Three hms + 10mm sq mm	4 Nos.	Each	(280/-)	1120-
d) Voltmeter (0-500) volt square type (96mmX96mm) (Three hms + 10mm sq mm)		4 Nos.	Each	(450/-)	1800-
(e) Ammeter (0-30) Amp. Sq. type (96mmX96mm) (Three hms + 10mm sq mm)		4 Nos.	Each	(390/-)	1560-
f) 32 Amps T.P. & N MCB (C-Series)	One hms + 10mm sq mm	5 Nos.	Each	(440/-)	2200-
g) 32 Amps T.P. MCB (C-Series)	One hms + 10mm sq mm	5 Nos.	Each	(550/-)	2750-

A-
 C-
 D-
 NY-
 me

27

18/11/19

AE(P)

Rita
Kashish Kashish
DND Ashish Ashish

No. 7.

APR 1968
Vibac Ph-L

100

Dismantling of submersible pump set / mono sub. P set upto 10 H.P. capacity for checking and assessment of parts to be replaced / repaired including cartage etc. as required.			
a) Motor side	7 Nos.	P/job	200/-
b) Pump Side	7 Nos.	P/job	200/-
Supplying & replacement of C.I. non return valve 50mm dia. Flange type complete with rubber packing, nuts, bolts, washers, testing etc. complete as reqd. <i>have to be replaced</i>	1 Nos.	Each	5800/-
Lifting out the fallen submersible pump set from the bore well along with G.I. pipe & other accessories including disconnection etc. complete as required. <i>have to be replaced</i>	1 Nos.	Each	2200/-
Supply of the following size XLPE al. conductor armoured cable of 1.1 KV grade i/c testing etc. as reqd.			
a) 4 X 35 sq. mm	50 Mtr.	Mtr.	300/-
b) 2 X 16 sq. mm	100 Mtr.	Mtr.	130/-
Laying of one No. PVC insulated & PVC sheathed / XLPE power cable of 1.1 KV grade of size not exceeding 120 sq. mm direct in ground including excavation, sand cushioning, protective covering & refilling the trench etc. as reqd. <i>have to be replaced</i>	50 Mtr.	Mtr.	90/-
Laying of one No. PVC insulated & PVC sheathed / XLPE power cable of 1.1 KV grade of size not exceeding 25 sq. mm direct in ground i/c excavation & sand cushioning & protective covering and refilling the trench etc. as reqd. <i>have to be replaced</i>	100 Mtr.	Mtr.	82/-
Supplying & fixing of following rated switch disconnector fuse unit TP&N (open execution) with HRC fuses in the existing feeder pillar / panel board i/c dismantling the old defective / damage switch connection & testing complete as reqd.			
a) 32 Amp.	2 Nos.	Each	1450/-
b) 63 Amps.	3 Nos.	Each	2100/-
c) 125 Amp.	2 Nos.	Each	5100/-

ACCOUNTS OFFICER
 CAU (NZ) DDA
 Ashok Vihar Post, Delhi
 110062
 10/10/09
 AE(P)
EXECUTIVE ENGINEER
 Electrical Division No. 7,
 ODA/Reserve Pattern, Patna
 800 001
 10/10/09
 AE(P)

95

ME OF WORK: - M/o Completed Schemes Under North Zone, Nazul A/c-II.
- Lifting / Lowering, Repair of Submersible pump set & other Electrical Installations in
Yamuna Bio-Diversity Park at Jhroda Mazra & Wazirabad.]

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 deppt. 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 / mono sub. pump 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 of work / handing over whichever is latter on non judicial stamp paper of Rs. 50=00.
10. Material taken in the estimate shall be replaced as & when required & the dismantled material shall not be taken back. Suitable rebate for dismantled material may be offered by the agency.
11. The contractor shall take all safety measure at site during maintenance / repairs of the installations.

Bank of India
DDA

A
C
D
OW

JE(P) AE(P)

EXECUTIVE ENGINEER (E)
Electrical Division No. 7,
DDA/Kashav Puram, Delhi-6

97

2. The contractor shall deploy trained and competent staff to the satisfaction of Engineer-in-Charge.
13. Any injury / mishap to the maintenance staff during duty hours will solely be the liability of contractor.
14. All electric connections shall be checked at least once in a month & set right, if required. ^{submit} (C-1)
15. The contractor has to submit the test certificate of all items in the schedule of work.
16. 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.
17. Following makes of materials shall be used for the items mentioned here under:-
 - 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 / Bharat 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.
 - h) Switch disconnecter fuse unit ----- LT/LK/Standard/Havells
18. The clauses 10C or 10-CC shall not be applicable in this contract.

EXECUTIVE ENGINEER (E)
Electrical Division No. 7,
CDA/Kashyap Puram, Delhi-68

अधिसूची अधिवक्ता (वि.)
विद्युत खण्ड-7, डि.वि.का.
नगरिक रोड, नई दिल्ली

A. P. S. ENGG. & ASSOCIATES
C. 1124, SPASTRI NAGAR,
D. DELHI-110032 PH: 23653633
OW

J.E(P) A.E(P)

R.A.D.

**DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO-7
KESHAVPURAM, DELHI-110035.**

No.F. 69 (25) EE / ED-7 / DDA / 2009-10 / 2416

Dated: 26-8-09

To

**M/s Kuka Enterprises,
2205-XV, Gali No.-5,
Raj Guru Road, Pahar Ganj,
Delhi-110055.**

**Name of work: "M/o Pump Set in various colonies under North Zone.[SH:- R/M/O
of booster pump set at 608 E.W.S. / Janta houses in Sector A-6,
Pkt. 11, Narela]**

Dear Sir(S),

Your item rate tender for the above mentioned work has been accepted on behalf
of Delhi Development Authority, at the rates, terms and conditions as given below:-

1. Estimated Cost : Rs.2, 13,920.00 (Rs. Two Lac Thirteen Thousand
Nine Hundred & Twenty only).
2. Contractor Quoted Amount : Rs.2, 05,248.00 (Rs. Two Lac Five Thousand Two
Hundred & Forty Eight only).
3. Net Tendered Amount : Rs.2, 05,248.00 (Rs. Two Lac Five Thousand Two
Hundred & Forty Eight only).
4. %age for the purpose : Item Rate 4.05% below (Four point zero Five
clause-12 percent below the estimated cost)
5. Performance Guarantee : Deposited vide FDR No.250010400067096 dated:-
5 % of Tendered Amount 25-08-2009 for Rs.10,500=00 issued by AXIS
BANK, kirti Nagar. valid upto 25.11.2010
6. Time Allowed : 12 (Twelve) Months

Contd... 2/-

You are also requested to attend the office of the under signed along with a non-judicial stamp paper worth Rs.50/- (Rs. Fifty only) to complete the formal agreement with in seven days from the date of issue of this letter failing which the award of work shall / likely to be withdrawn and the entire amount of your earnest money shall be forfeited.

You are requested to contact AE-I / Electrical Division -7 and start the work at once. Please note that the time allowed for carrying out the work as entered ion the agreement shall be reckoned from the 10th day after the date of issue of this letter to commence the work.

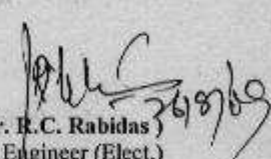
This office letter dated 22.08.09 shall be part of the agreement.

Yours faithfully,

(Er. R.C. Rabidas)
Executive Engineer (Elect.)
Electrical Division No.-7
Delhi Development Authority

Copy to:-

1. F.O. to C.E. (Elect.) for information please.
2. SE.(Elect.) / Electrical Circle-2 for information please.
3. Sr. A.O., CAU (NZ) / DDA..
4. Executive Engineer (Elect.) / Q.C.C. / Vikas Sadan, DDA.
5. Executive Engineer (Elect.), Electrical division No-1 to 6 & 8 to 12 DDA.
6. A.O. (W)-II, DDA, Vikas Sadan, New Delhi.
7. Labour Commissioner, 15 Rajpura Road, Delhi.
8. Income Tax Officer (Contractor Cell), ITO, New Delhi.
9. The Commissioner Sales Tax ,G NCT D,I.P.Estate New Delhi.
10. Assttnt Engineer (elect.)-1 / Electrical Division -7 along with a copy of schedule.
11. Head Clark / Electrical Division -7
12. AE (Plg.) / Electrical Division -7
13. Copy of Agreement.
14. Concerned File.
15. E-Mail to ddatender@dda.org.in.
16. office copy.


(Er. R.C. Rabidas)
Executive Engineer (Elect.)
Electrical Division No.-7
Delhi Development Authority

DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO:07

SCHEDULE OF WORK

Name of work: M/o pump set at various places under North Zone.

SH: R/M/O of Booster Pump set at 608 E.W.S./Janta houses in sector A-6, Pkt. 11, Naraina.

S.No.	Description of Item	Qty.	Unit	Rate	Amount
1.	Operation of pumps set as per inventory and Terms & Conditions attached.	12 Months	P/ Month	1735000	20820000
2.	Supplying and replacement of following items:-				
	a) HPSV lamp - 70 Watt (E)	4 Nos.	Each	400000	1600000
	b) Copper wound polyester filled ballast 70 watt.	4 Nos.	Each	700000	2800000
	c) Electronic igniter - 70 watt.	4 Nos.	Each	200000	800000
	d) Capacitor for 70 Watt Lamp.	4 Nos.	Each	100000	400000

Say Rs. 2,13,920.00 only

A **C** **D**
 EXCUTORY CERTIFICATE (E)
 Electrical Division No. 7,
 DDA, W. Zone, Naraina, Delhi-55

JE(P) AE(P)

RE. ACCOUNTS OFFICER
 CAU (NZ) DDA
 About Vihar Pkt. Delhi

Signature of Officer
 Date 27.12.2011

TERMS AND CONDITIONS

1. The work comprises of running and operation of pump set, & D.G. set general lighting as per the inventory attached.
2. The contractor shall depute the following staff under the contract.
 - a) Operator – 2 Nos. one in each shift i.e. from 6:00 AM to 2:00 PM and from 2:00 PM to 10:00 PM.
 - b) Khallasi – 1 No. from 10:00 PM to 6:00 AM.
 - c) Wireman Gr. I – 1 No. Shall attend the site of work between 9:00 AM to 5:00 PM, at least once in a fortnight and as and when required.
3. The contractor shall employ trained and competent staff to the satisfaction of Engineer-in-charge having two years experience on operation of pump set / D.G. set.
4. The contractor shall supply the list of staff along with experience certificate to be engaged on the installation within 7 days of award of work. Engineer-in-charge shall have the right to reject any staff employed by the contractor.
5. The staff employed by the contractor shall wear proper uniform and wear badges displaying their name and designation. The staff shall also be given photo identity cards by the contractor displaying their name, father's name, address, date of birth, name of the agency with address and telephone number, site for which employed and period of validity. A copy of the identity card shall be given to the Engineer-in-charge within 15 days of award of work.
6. The contractor shall employ staff through out the period of contract including Saturday, Sunday, Gazetted Holidays and National Holidays.
7. Following records are to be kept at site of work.
 - a) Printing Log Book for recording operation.
 - b) Attendance Register for staff deployed.
 - c) Complaint / Inspection Register.

NOTE: The contractor shall get the registers authenticated from Engineer-in-charge before use at site.

8. The following minor maintenance including preventive maintenance shall be carried out by the contractor. The details of work carried out shall be recorded in the Log Book.
 - a) Servicing and greasing of pumps / motors once in 3 months.
 - b) Replacement of rubber packing of valves and worn cut nuts and bolts etc.
 - c) Replacement of gland dori as and when required.
 - d) Replacement of HRC fuses as and when required.
 - e) Replacement of FI. Tubes, incandescent lamps and starters.

A ---
C ---
D ---

JE(P) AE(P)

- f) Adjustment alignment / tightening of nuts and bolts as and when required.
- g) Replacement of burn out thimbles, wire terminals etc.
- h) Top up of battery water.
- i) Daily cleaning of equipments/pump house.

NOTE: The material required for carrying out above jobs shall be supplied by the contractor within quoted rates.

9. Coordination and follow up action with electric supply agency shall be done by the contractor in case of failure / fault in supply fluctuation in voltage.
10. The contractor shall intimate the Engineer-in-charge about the major break down or failure of electric supply in time.
11. Watch & ward shall be the responsibility of the contractor. Any loss due to theft or pilferage etc. shall be borne by the contractor.
12. The payment to the contractor shall be made by monthly or at other suitable intervals desired by the contractor but not less than one calendar month.
13. Proper handing / taking over of all the E & M installations shall be carried out by the JE-Elect-in-charge of the work and the contractor in writing immediately after award of work / before start of work.
14. 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.
15. If any staff employed by the contractor is found absent on a particular time and date, an amount proportionate to per shift shall be recovered from the contractor bill.
16. All allied accessories/installations shall be kept in working order and in case any damages/losses is done to the pumping installations due to the negligence of the operational staff, deployed by the contractor, the contractor shall have to make good the damages / loss at his own cost. In case the contractor fails to rectify the damages/loss within reasonable time. The same shall be got rectified / replaced by the department at the risk and cost of the contractor.
17. The contractor shall keep all the necessary spares and T & P at site required for operation and maintenance to be carried under his contract.

3/2
C
D
OW-

JE(P) AE(P)

18. In case of any disobedience or misbehaviour by the operational staff of the contractor, the Engineer-in-charge may ask the contractor to dispense with the services of such staff with immediate effect. The contractor shall provided suitable substitute simultaneously.

19. The rate quoted by the contractor shall be inclusive of all taxes, duties and Govt. Levies etc.

20. Pumping installation shall be painted (excluding control panel) once during the contract period.

21. Any injury to the operational staff, in case of any mishap during duty hours will be the liability of the contractor.

22. The following makes of materials are acceptable

- a) HPSV lamp : Phillips / Osram / Bajaj
- b) Ballast : as per fitment of manufacturer of existing luminaire.

RECEIVED
ELECTRICAL DIVISION
NO. 7
DELHI DEVELOPMENT AUTHORITY

Executive Engineer (E)
Electrical Division No.7
Delhi Development Authority
अविभागीय अभियन्ता (वि.)
विद्युत खण्ड-7, वि. वि. प्रा.
इलाहाबाद रोड, नई दिल्ली

2/2
11/07/09

A-
C-
D-
OW-

JE(P) AE(P)
11/07/09

95

INVENTORY

Part-A

- (a) Booster pump set _____
- i) 30 HP Centrifugal pump set . 2 Nos.
- ii) 05 HP Vacuum pump for priming of above pump set - 1 No.
- iii) Control panel comprising of main switch, 125 Amp, 63 Amp MCB 4 pole
Voltmeter, Ampere meter.
- iv) Details of Valves : 8 Nos.

Part-B

- (ii) D. G. Set- --- *N/A*

Part-C

Part-D

- (ii) Water level indicator.....1No.

Part-E

- (c) Internal Electrical installation : 5 Nos. Tube fitting.
- (d) External Electrical installation: 4 Nos. HPSV - 70 Watt.
(Compound lighting etc.)

(242)
11/09/89
AE(P)
AE(P)

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

A
C
D
OW

JE(P)

AE(P)

24/9/89
अविभागीय अधिकारी (वि.)
विद्युत खण्ड-7, दि.वि.प्र.
कलकत्ता रोड, नई दिल्ली

**DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO-7
KESHAVPURAM, DELHI-110035.**

R.A.D.

No: F. 69 (27) EE / ED-7 / DDA / 2009-10 / 2625

Dated:- 28.8.09

To

M/s H. S. Engineering Works
CSC No.-4, Shop No.7,
AAVANTIKA, ROHINI,
Sector-1, Delhi-110085

**Name of work: M/o Parks & Truck parking at Majnu-ka-Tilla (Near Gurudwara).
SH: Supply and installation of submersible pump set at I.T.P.C.**

Dear Sir(S),

Your item rate tender for the above mentioned work has been accepted on behalf of Delhi Development Authority, at the rates, terms and conditions as given below:-

1. Estimated Cost : Rs.1, 15,571.00 (Rs. One Lac Fifteen Thousand Five Hundred Seventy One only).
2. Contractor Quoted Amount : Rs.94, 140.00 (Rs. Ninety Four Thousand One Hundred Forty Only).
3. Net Tendered Amount : Rs.94, 140.00 (Rs. Ninety Four Thousand One Hundred Forty Only).
4. %age for the purpose clause-12 : Item Rate 18.54% below (Eighteen point Five Four percent below the estimated cost)
5. Performance Guarantee 5 % of Tendered Amount : Deposited vide FDR No. 064442 dated 22.08.2009 for Rs. 5,000=00 issued by State Bank Of India, Azad Market. valid upto 22.02.2010
6. Time Allowed : One Month

Contd... 2/-

You are also requested to attend the office of the under signed along with a non-judicial stamp paper worth Rs.50/- (Rs. Fifty only) to complete the formal agreement within seven days from the date of issue of this letter failing which the award of work shall / likely to be withdrawn and the entire amount of your earnest money shall be forfeited.

You are requested to contact AE-II / Electrical Division -7 and start the work at once. Please note that the time allowed for carrying out the work as entered in the agreement shall be reckoned from the 10th day after the date of issue of this letter to commence the work.

This office letter dated 26.08.09 shall be part of the agreement.

Yours faithfully,

(Er. R.C. Rabidas)
Executive Engineer (Elect.)
Electrical Division No.-7
Delhi Development Authority

Copy to:-

1. F.O. to C.E. (Elect.) for information please.
2. SE.(Elect.) / Electrical Circle-2 for information please.
3. Sr. A.O., CAU (NZ) / DDA..
4. Executive Engineer (Elect.) / Q.C.C. / Vikas Sadan, DDA.
5. Executive Engineer (Elect.), Electrical division No-1 to 6 & 8 to 12 DDA.
6. A.O. (W)-II, DDA, Vikas Sadan, New Delhi.
7. Labour Commissioner, 15 Rajpura Road, Delhi.
8. Income Tax Officer (Contractor Cell), ITO, New Delhi.
9. The Commissioner Sales Tax, G NCT D.I.P. Estate New Delhi.
10. Assttnt Engineer (Elect.)-II / Electrical Division -7 along with a copy of schedule.
11. Head Clerk / Electrical Division -7
12. AE (Plg.) / Electrical Division -7
13. Copy of Agreement.
14. Concerned File.
15. E-Mail to ddatender@dda.org.in.
16. Office copy.

(Er. R.C. Rabidas)
Executive Engineer (Elect.)
Electrical Division No.-7
Delhi Development Authority

SCHEDULE OF WORK

Name of work: **M/o Parts & Truck parking at Majnu-ka-Tilla (Near Gurudwara).**
 SH: Supply and installation of submersible pump set at I.T.P.C.

S. No.	Description of item	Qty.	Unit	Rate	Amount
1.	Supplying of submersible pump duly coupled with suitable rating of single phase 215 volt, 50 Hz, 2900 RPM submersible induction motor, the pump set shall be suitable for the following duties: A) a) Discharge : 160 LPM b) Head : 55 mtr. c) Liquid : Clear Water.	2 Set	Set	19650/- Nineteen thousand six hundred fifty/-	39300/-
2.	Supplying of following size of GI 'B' Class pipe i/c GI flange duly screwed and welded on both ends of GI pipe bends, tee, nipple gasket, GI nuts, bolts and washers etc. as reqd. a) 50mm dia	55 Mtr.	Mtr.	485/- Four hundred eighty five/-	26675/-
3.	Supply of PVC sheathed PVC insulated copper cond. Sub. Cable as reqd. a) 1X3X1.5sq.mm	60M	Mtr.	50/- Rs fifty/-	3000/-
4.	Lowering, testing, commissioning of submersible pump set alongwith double flanged GI pipe, submersible cable i/c jointing and accessories upto the required depth, providing and fixing 2 Nos. MS clamps made of MS flat 75mmX10mmX500mm alongwith nuts, bolts, washers, cutting the existing bore cover, making suitable removable cover and fixing of sub. Cable with insulated wire with GI pipe complete as required.	1 Job	Job	1250/- One thousand two hundred fifty/-	1250/-
5.	Supplying & fixing of following size of C.I. flanged valves complete with rubber gasket, nuts, bolts, and washers etc. as reqd. a) Non - return valve (without by pass) 50mm dia.	1 No.	Each	5400/- Five thousand four hundred/-	5400/-

A-11
C-11
D-11

24/3/2011

EXECUTIVE ENGINEER (E)
Electrical Division No. 7,
DDA/Kashyapuram, Delhi-110016

AS. ACCOUNTS OFFICER
CAU (N.Z) DDA
Vijay Park, Delhi-110016

89

6.	Supplying, erection, testing and commissioning of L.T. feeder pillar fabricated out of 14 SWG (2mm thick nominal) CRCA M.S. sheet with 50mmX50mmX6mm angle iron legs as per drawing attached and suitable to accommodate and supplying and fixing the following accessories therein i/c connections, inter - connections with suitable size of copper wire, earth connections, numbering and spray painted after applying a coat of zinc chromate primer as required. a) 32 amp. DP MCB 10 KA (C-series) - 1 No. b) Mandatory panel board for single phase - 1 No. c) 20 amp. SP&N MCB 10 KA (C-series) - 1 No. d) 2 strip 300mm long al. bus bar 100 amp. Capacity duty PVC tapped/sleeved having drilled holes, 6mm dia, bolts, nut and washers etc. as reqd. l) Danger Notice plate - 1 No. m) 20 Amps, industrial socket - 1 No.	1 Set	Set	8000/- Eight thousand only	8000 -
7.	Earthing with G.I. earth pipe 4 mtr. long X 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement etc. without charcoal and salt complete as reqd.	1 Set	Set	2250/- Two thousand two hundred fifty only	2250 -
8.	Providing and fixing 25mm X 5mm GI strip on surface or in recess for earth connection etc. as reqd.	4 Mtr.	Mtr.	80/- Eighty only	320 -
9.	Supplying of the following size of XLPE 1.1 KV grade armoured al. cond. Cable and testing etc. as reqd. a) 2 X 16 sq.mm	100 Mtr.	Mtr.	150/- one hundred fifty only	15000 -
10.	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, sand cushioning and protective covering and refilling the trench etc. as reqd.	97 Mtr.	Mtr.	140/- one hundred forty only	10670 -
11.	Laying of 1 No. PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm on surface as reqd.	3 Mtr.	Mtr.	20/- Twenty only	60 -

Handwritten signature and date: 29/11/2008

RECEIVED ENGINEERING DIVISION
MR. ACCOUNTS OFFICER
CAU (NZ) DDA
Adesh Vihar Ph-L Delhi

91

12.	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring, cable as required.	100 Mtr.	
13.	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required	2 set	Mtr.
14.	a) 2 X 16 sq.mm Supplying and fixing of 10mm dia steel wire rope i/c fixing with the steel cage for holding the pump set with suitable size of clamps, nuts bolts etc. as reqd.	120M	Mtr.
15.	Supplying and fixing of cage for holding sub. Pump set made of MS flat iron of size 40mm X 5mm with supporting clamps and anchor to the wire rope etc. as reqd.	1 Nos.	Each

15/2
Fifteen and
1500/-
one thousand and
200/-

30/2
Thirty and
450/-
four hundred and
fifty/-

118215/-
Less 2090/-
do. of material
for sub. Pump set and
for sub. Pump set and

EXECUTIVE ENGINEER (E)
Electrical Division No. 7,
DDA/Kashyap Puram, Delhi-30

Signature of Officer (R)
Page 2 of 2
Date 05/10/09

SA ACCOUNTS OFFICER
CAU (NZ) DDA
Adalat Vihar Ph-I, Delhi

A---NIL
C---NIL
D---NIL
OW---240

Signature
05/10/09
A.E.P.I.

Handwritten signature

Handwritten signature and date 11/06/09

ADDITIONAL CONDITIONS AND 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. The work shall be executed in close coordination with the progress of the bldg. work. If the site for electrical work is not available in part or in full for any reason whatsoever the time for the execution of the electrical work shall be correspondingly extended. No claim for any idle labour or compensation (except as provided under clause 10C/10CC 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 specification for electrical work (part-II) 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/- shall be deducted from any amount due to the contractor from DDA.

3. No tube well bore shall be left open as and when sub. Pump set are taken out for repair/replacement.

4. The following work shall be deemed to be included within the scope of work to be executed by the contractor and nothing extra shall be paid on this account.

- i) 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).
- ii) 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.
- iii) Masonry support / G.I. pipe support etc. shall be provided wherever required.

Testing of Installation:

- i) The entire system shall be tested to the satisfaction of Engineer-in-charge.
- ii) Tests shall be performed in the presence of Engineer-in-charge or his representative.
- iii) The contractor shall provide all labour, equipments and material required for performance of the tests.

6. The rates quoted by the contractor shall be firm and should be inclusive of all central / state govt., taxes, duties and levies etc.

7. Concessional sales tax form C/D shall not be issued by the Department.

8. 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:

W
C
D
OW

J.E.(P)

A.E.(P)

EXECUTIVE ENGINEER
Electrical Division No. 3
ODA Keshav Puram, Delhi-35

95

- 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 / satisfactory performance on a non-judicial stamp paper of Rs.50/- only.
9. Contractor shall provide the manufacturer test certificate in respect of all major items.
10. 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.
11. 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.
12. 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.
13. Flyash bricks shall be used in the work wherever required.

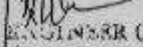
SPECIFICATIONS:

14. 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 given below :-

- i) CPWD specifications for Electrical Works at Delhi part-I (Internal) 2005 and part-II (External) 1994 with amendments upto the date of tenders.
- ii) Indian Electricity Rules 1956 as amended upto date.
- iii) A table indicating the makes, governing specifications and other details in respect of some of the important materials to be used in the work is attached. These specifications shall have preference over those indicated in 14(i) above.
- iv) Only material bearing ISI/BIS certification mark shall be used in the work. Where articles of different designs / make bearing ISI/BIS certification mark are available, the decision of Engineer-in-charge about the design/ make to be used in the work shall be final and binding on the contractor.
- v) Where material bearing ISI/BIS certification marks are not available, material conforming to relevant BIS/ISI shall be used with prior approval of Engineer-in-charge.

A_____
C_____
D_____
OW____


J.E.(P)  A.E.(P)


EXECUTIVE ENGINEER (E)
Electrical Division No. 7,
ODA/Keshav Puram, Delhi-95

- vi) If the specifications of any item are not available then the decision of the Engineer-in-charge regarding quality shall be final and binding on the contractor.
15. In case of any discrepancy in the description of any item given in the schedule of quantities and the specifications, the former shall prevail. If the specifications of any item are not available, the decision of Engineer-in-charge shall be final.
16. No Tool and plants shall be issued for execution of the work or for testing of the installation. These shall be arranged by the contractor within the quoted rates.
17. The contract would have to make his own arrangement for cartage and transportation of the materials and nothing extra shall be payable on this account.
18. The sub. Standard work shall be rejected without assigning any reason.
19. The following information to be furnished by the tenderers :
- Type, make, model and HP of the pump set offered.
 - Discharge in liters per minutes and head in meters.
 - Revolution per minutes.
20. Time allowed for carrying of work within ^{one} 12 months.
21. Additional specification are indicated in the following clause. These additional specifications given below shall have precedence over these indicated para 14 above in case of deviations between the two.
22. Three pin socket outlet shall be provided for power plug points..
23. Connectors to be used any where in the installation shall be of porcelain type.
24. Earthing work i.e. embedding of earth electrode and testing of installations shall be carried out in the presence of the Asstt. Engineer (E).
25. The length of GI pipe to be used in the work for installation of the submersible pump set shall not be more than three meters.

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

अविभाजित अधिनियम (वि.)
विभाग संख्या-7, वि.वि.म.
नया दिल्ली

EXECUTIVE ENGINEER (E)
Electrical Division No. 7,
ODA/Keshav Puram, Delhi-92

A ---
C ---
D ---
OW ---

JE (P) AE (P)

MAKES OF MATERIAL AND GOVERNING SPECIFICATIONS

S. NO.	Item	Governing Specification	Makes
1.	Submersible pump set	--	K.S.B./Kirloskar / Crompton Greaves
2.	C.I. non return valves	IS: 5312	I.V.C./Kirloskar.
3.	G.I. pipe	IS: 1239	Jindal(Hissar) / Surya / TATA
4.	Starter	-	L&T/Siemens/Cuttler Hammer.
5.	Shunt Capacitor	-	GE/Madhav/Crompton/L&T
6.	Single phase preventor -- Cum - Water level guard.	-	L&T/Minilec.
7.	Ammeter & Voltmeter.	IS: 1248	A.E./Havells / UEL / IMP
8.	PVC sheathed, PVC insulated flat submersible copper cable.	IS: 694	Plaza / Fionolex / Safex.
9.	Selector switch.	-	Havells/Thakur / L&T/KAYCEE
10.	PVC insulated F.R. copper wire.	IS: 694	Skyton/National/ECKO/Havells.
11.	M.C.B.	IS: 8828	Standard/L&T/MDS/Indokoop/Action.
12.	PVC sheathed PVC XLPE al. armoured cable.	IS: 7098	Asian Cable/ Unistar/Ecko/Nicco/Skytone
13.	Panel Board.	-	Shall be fabricated as per drawing attached.

2/3

11/07/09

अविभागीय अभियन्ता (वि.)
विद्युत विभाग-7, वि.वि.प्र.
राजिव गांधी, नई दिल्ली

EXECUTIVE ENGINEER (E)
Electrical Division No. 7,
ODA/Keshav Puram, Delhi-55

A---
C---
D---
OW-

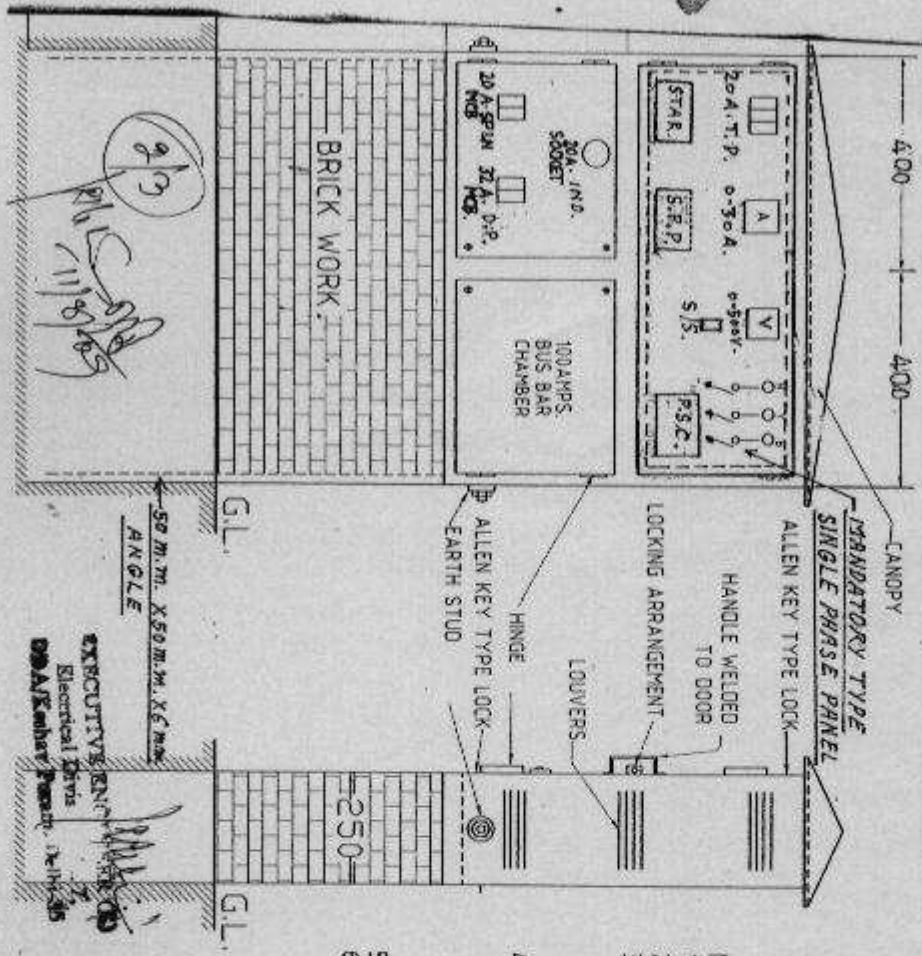
J.E.(P)

अविभागीय अभियन्ता
A.E.(P)

101

NO-6

OVERALL LAY OUT OF FEEDER PILLAR FOR SUBMERSIBLE PUMP SET



2/3
11/8/09

50 M.M. X 50 M.M. X 6 M.M. ANGLE
EXECUTIVE ENGINEER
Electrical Divn
M.A. Kishor Prasad, I.E.E.

JE (T) A.E. (PLG.) E.E./ELECT. DIV.-7
11/8/09
11/8/09
11/8/09

**DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO-7
KESHAVPURAM, DELHI-110035.**

R.A.D.

No: F. 69 (27) EE / ED-7 / DDA / 2009-10 / 2624

Dated:- 28.8.09

To

M/s H. S. Engineering Works
CSC No.-4, Shop No.7,
AAVANTIKA, ROHINI,
Sector-1, Delhi-110085

Name of work:- M/o pump set at various places under North Zone.

[SH: R/M/O of submersible pump set, Panel Board/feeder pillar and other E & M installation and D.G. Set in sector B-2, B-4, A-5, A-6, A-9 & A-10, Narela.]

Dear Sir(S),

Your item rate tender for the above mentioned work has been accepted on behalf of Delhi Development Authority, at the rates, terms and conditions as given below:-

1. Estimated Cost : Rs.6, 15,334.00 (Rs. Six Lac Fifteen Thousand Three Hundred Thirty Four only).
2. Contractor Quoted Amount : Rs.5, 30,757.00 (Rs. Five Lac Thirty Thousand Seven Hundred Fifty Seven only).
3. Net Tendered Amount : Rs.5, 30,757.00 (Rs. Five Lac Thirty Thousand Seven Hundred Fifty Seven only).
4. %age for the purpose clause-12 : Item Rate 13.74% below (Thirteen point Seven Four percent below the estimated cost)
5. Performance Guarantee 5 % of Tendered Amount : Deposited vide FDR No. 064441 dated 22.08.2009 for Rs. 27,000=00 issued by State Bank Of India, Azad Market. valid upto 22.11.2010
6. Time Allowed : 12 (Twelve) Months.

Contd... 2/-

You are also requested to attend the office of the under signed along with a non-judicial stamp paper worth Rs.50/- (Rs. Fifty only) to complete the formal agreement within seven days from the date of issue of this letter failing which the award of work shall / likely to be withdrawn and the entire amount of your earnest money shall be forfeited.

You are requested to contact AE-I / Electrical Division -7 and start the work at once. Please note that the time allowed for carrying out the work as entered in the agreement shall be reckoned from the 10th day after the date of issue of this letter to commence the work.

This office letter dated 26.08.09 shall be part of the agreement.

Yours faithfully,

(Er. R.C. Rabidas)
Executive Engineer (Elect.)
Electrical Division No-7
Delhi Development Authority

Copy to:-

1. F.O. to C.E. (Elect.) for information please.
2. SE.(Elect.) / Electrical Circle-2 for information please.
3. Sr. A.O., CAU (NZ) / DDA.
4. Executive Engineer (Elect.) / Q.C.C. / Vikas Sadan, DDA.
5. Executive Engineer (Elect.), Electrical division No-1 to 6 & 8 to 12 DDA.
6. A.O. (W)-II, DDA, Vikas Sadan, New Delhi.
7. Labour Commissioner, 15 Rajpura Road, Delhi.
8. Income Tax Officer (Contractor Cell), ITO, New Delhi.
9. The Commissioner Sales Tax, G NCT D.I.P. Estate New Delhi.
10. Assttnt Engineer (Elect.)-I / Electrical Division -7 along with a copy of schedule.
11. Head Clerk / Electrical Division -7
12. AE (Plg.) / Electrical Division -7
13. Copy of Agreement.
14. Concerned File.
15. E-Mail to ddatender@dda.org.in.
16. office copy.

(Er. R.C. Rabidas)
Executive Engineer (Elect.)
Electrical Division No-7
Delhi Development Authority

DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO.07

Name of work: M/o pump set at various places under North Zone.

SH: R/M/O of submersible pump set, Panel Board/feeder pillar and other E & M installation in sector B-2, B-4, A-5, A-6, A-9 & A-10, Naraina.

₹ D.G. Set

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 dismantling the GI pipe and pump set etc. complete as reqd.	20 Job	P/Job	800/- Rs Eight hundred only	16000-00
2.	Lowering of submersible pump set in the existing borewell alongwith GI pipe, submersible cable, wire rope upto required depth i/c making water proof cable joint connection, testing etc. complete as reqd.	20 Job	P/Job	850/- Rs Eight hundred fifty only	17000-00
3.	Repairing of submersible pump set (6" dia/1/4" dia) 3 phase 415 volts i/c supplying & replacement of the following defective parts of motor and pump reassembling painting, testing etc. complete as reqd.				
	Motor Side:				
	a) Rewinding of submersible motor of 6" dia. 7.5 HP	1 Nos.	Each	5800/- Five thousand eight hundred only	5800-00
	b) Rewinding of submersible motor of 6" dia 6.00 HP	3 Nos.	Each	5620/- Five thousand six hundred twenty only	16860-00
	c) Rewinding of submersible motor of 4" dia 5.00 HP	10 Nos.	Each	5225/- Five thousand Two hundred Twenty five only	52250-00
	d) Rotor Sleeve	1 Nos.	Each	225/- Two hundred Twenty five only	3150-00
	e) Water Seal	28 Nos.	Each	35/- Thirty five only	980-00

OW-1/000

53/11/16

EXECUTIVE ENGINEER
Electrical Division No. 7
BDA/Keshav Puram, Delhi-110016

AF/01 A.E/P1

SR. ACCOUNTS OFFICER
CAUNZIDDA
Asstt. Vibor Pd-L D-1

27/11/2019

2. ACCOUNTS OFFICE
CAU (NZ) DDA
Attn: Vihar P. I. M. P.

1)	Suction chamber of 6" dia	10 Nos.	Each	525/- Five hundred twenty five only	5250/-
2)	Upper Bush	14 Nos.	Each	210/- Two hundred ten only	2940/-
4.	Supply & replacement of D.O.L. 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	1600/- One thousand six hundred only	16000/-
5.	Supply & replacement of water proof submersible Copper cond. Cable of size 1X3X1.5sq.mm i/c S/F cable clips, making connection, cable jointing and testing etc. complete as reqd.	80 Mtr.	Mtr.	50/- Fifty only	4000/-
6.	Supplying and fixing of the following size of GI pipe B-class flanged type with necessary pipe fittings, bend, etc. as reqd.	30 Mtr.	Mtr.	590/- Five hundred ninety only	17700/-
	a) 65mm dia				
	b) 50mm dia	21 Mtr.	Mtr.	485/- Four hundred eighty five only	10185/-
7.	Dismantling of submersible P/set upto 10 HP capacity for checking and assessment of parts to be replaced/repared i/c cartage etc. as reqd.	15 Nos.	Job	200/- Two hundred only	3000/-
	a) Motor side	15 Job	Job	200/- Two hundred only	3000/-
	b) Pump set	15 Job	Job	200/- Two hundred only	3000/-
8.	Supply & installation of battery charger 12 Volts capacity suitable to charge 12V/25 plate battery including connection testing etc. complete as reqd.	4 Nos.	Each	2900/- Two thousand nine hundred only	11600/-
9.	Repairing and servicing of 100 / 125 KVA D.G. set including supply and replacement of following parts, testing complete etc. as required.]				
	a) Fuel filter - 1 No.				
	b) Cylinder head gasket - 4 Nos.				
	c) Nozzle - 1 No.				
	d) Lub. Oil hose pipe - 1 No.				

A
C
D
M

5/10/19

JE(P)

AE(P)

CAU (IND) DEPT.

ACCOUNTS DEPARTMENT
CAU (IND) DEPT.
Aditya Vihar, New Delhi

10.	e) Lub. Oil filter - 1 No. f) Fuel pump element - 1 No. g) Cylinder liner - 1 No. h) Piston ring - 4 set. i) Piston Pin - 2 Nos. j) Inlet valve seat inserts - 4 Nos. k) Exhaust valve seat insert - 4 Nos.	2 Job	Job	13000/- (thirteen thousand only)	26000/-
	Disassembling of centrifugal pump set upto 50 HPQ. 3 Phase, 415 volt for checking and assessment of parts to be replaced / repaired etc. as required				
	a) Motor Side	6 Job	Job	385/- Three hundred eighty five only	2310/-
	b) Pump Side	6 Job	Job	385/- Three hundred eighty five only	2310/-
	Repairing of centrifugal pump set 3 phase 415 volt i/c supply & replacement of defective parts of motor and pump assembling, painting, testing complete etc. as required.				
11.	A) Motor Side				
	i) Rewinding of motor				
	a) 20 HP	2 Nos.	Each	4870/- Four thousand eight hundred seventy only	9740/-
	b) 30 HP	2 Nos.	Each	8150/- Eight thousand one hundred fifty only	16300/-
	c) 40 HP	2 Nos.	Each	9500/- Nine thousand five hundred only	19000/-
	ii) Ball bearing				
	a) 20 HP	6 Nos.	Each	500/- Five hundred only	3000/-
	b) 30 HP	6 Nos.	Each	680/- Six hundred eighty only	4080/-
	c) 40 HP	6 Nos.	Each	1000/- One thousand only	6000/-
	iii) Connection Plate				
	a) 20 HP	3 Nos.	Each	250/- Two hundred fifty only	750/-

A-
C-
D-
NWZ

13/11/2019

13/11/2019

13/11/2019

13/11/2019

13/11/2019

13/11/2019

b) 30 HP	3 Nos.	Each	370/- Three hundred seventy only	1110-00
c) 40 HP.	3 Nos.	Each	510/- Five hundred Ten only	1530-00
iv) Labour Charges including cartage				
a) 20 HP	2 Nos.	Each	500/- Five hundred only	1000-00
b) 30 HP	2 Nos.	Each	775/- Seven hundred seventy five only	1550-00
c) 40 HP.	2 Nos.	Each	1025/- One thousand Twenty five only	2050-00
B) Pump Side				
i) Remounting, turning, grinding of shaft.				
a) 20 HP	2 Nos.	Each	840/- Eight hundred forty only	1680-00
b) 30 HP	2 Nos.	Each	1000/- One thousand only	2000-00
c) 40 HP.	2 Nos.	Each	1080/- One thousand Twenty only	2040-00
ii) Supply & fixing of G.M. guide sleeve.				
a) 20 HP	4 Nos.	Each	2570/- Two thousand five hundred seventy only	10280-00
b) 30 HP	4 Nos.	Each	25125/- Three thousand one hundred Twenty five only	100500-00
c) 40 HP.	4 Nos.	Each	3610/- Three thousand six hundred Ten only	14440-00
iii) Supply & fixing of G.M. neck ring				
a) 20 HP	4 Nos.	Each	2140/- Two thousand one hundred forty only	8560-00
b) 30 HP	4 Nos.	Each	2600/- Two thousand six hundred only	10400-00
c) 40 HP.	4 Nos.	Each	3140/- Three thousand one hundred forty only	12560-00
iv) Supply & fixing G.M. Gland Guide.				
a) 20 HP	4 Nos.	Each	980/- Nine hundred Twenty only	3680-00

A
C
D
OW

[Signature]
JEP
AEP

EXECUTIVE ENGINEER
Electrical Division No. 7,
JVA/Karimnagar, Debari

ACCOUNTS MANAGER
CAU
JVA/Karimnagar, Debari

b) 30 HP	4 Nos.	Each	Rs
c) 40 HP	2 Nos.	Each	Rs
v) Balancing of Impeller.			
a) 20 HP	2 Nos.	Each	Rs
b) 30 HP	2 Nos.	Each	Rs
c) 40 HP	2 Nos.	Each	Rs
vi) Supply & fixing of Impeller.			
a) 20 HP	1 Nos.	Each	Rs
b) 30 HP	1 Nos.	Each	Rs
c) 40 HP	1 Nos.	Each	Rs
12. Supply & installation of 12 volt 25 plate 180 AH lead acid battery including connection cable and terminals.	4 Nos.	Each	Rs
13. Supply & replacement of 125 Amp. Switch fuse unit TP&N, FN type i/c dismantling of existing defective SFU, including connection, testing complete etc. as required.	6 Nos.	Each	Rs
14. Supply & replacement of 200 Amp. TP&N change over switch including dismantling of existing defective change over, including making connection, testing etc. complete as required.	2 Nos.	Each	Rs

EXECUTIVE ENGINEER
Electrical Division No. 7,
DDA/Kashyap Puram, Delhi

Relate 13/6 Relate for
4/27/79
Executive Engineer
Elect. Divn-7, DDA
Kashyap Puram, Delhi

A-224
C-224
D-224
OW-224

JE(P)
AE(P)

1110/- = One thousand one hundred and ten only 444000
1200/- = One thousand two hundred only 240000
515/- = Five hundred fifteen only 103000
1025/- = One thousand Twenty five only 205000
1550/- = One thousand five hundred fifty only 310000
4050/- = Four thousand fifty only 405000
6250/- = Six thousand two hundred fifty only 625000
7200/- = Seven thousand two hundred only 720000
11250/- = Eleven thousand two hundred fifty only 450000
5950/- = Five thousand nine hundred fifty only 357000
9350/- = Nine thousand three hundred fifty only 187000

1. The Contractor must get acquainted with the proposed site for the work and study specifications and conditions carefully before tendering.
2. The work as indicated in the schedule of work attached herewith i/c any modification/alteration 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. Final Testing of the installation shall be done by the contractor after repair / replacement 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 worn-out parts of sub. Pump set/ D.G. set to be replaced shall be of the same make as that of pump set / Installation.
9. The contractor shall stand guarantee for a period of 6 months for material repaired / 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. Dismantled material shall not be taken back by the department and contractor shall quote suitable rebate for the same.
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 repairing of the installation.
12. The contractor shall take all safety measures at site during maintenance / repairs, of the installation.

EXECUTIVE SECRETARY
Electrical Division
BDA/Kenley Park, 1987

LEP

13. The contractor shall deploy trained and competent staff to the satisfaction of Engineer-in-charge.
14. Any injury / mishap to the staff during working 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.

(T/S)

11/8/09

Executive Engineer (E)
Elect. Divn-7/DDA
Elect. Divn-7, DDA
Kashav Puram, Delhi

mb

A---
C---
D---
OW---

EXECUTIVE ENGINEER -
Electrical Division No. 7,
Kashav Puram, Delhi-29

11/8/09
AE(P)

MAKES OF MATERIAL AND GOVERNING SPECIFICATIONS

S. NO.	Item	Governing Specification	Makes
1.	Submersible pump set	--	K.S.B./Kirloskar / Crompton Greaves
2.	C.I. non return valves	IS: 5312	I.V.C./Kirloskar.
3.	G.I. pipe	IS: 1239	Jindal(Hissar) / Surya / TATA
4.	Starter	-	L&T/Siemens/Cuttler Hammer.
5.	Shunt Capacitor	-	GE/Madhav/Crompton/L&T
6.	Single phase preventor - Cum - Water level guard.	-	L&T/Minilec.
7.	Ammeter & Voltmeter.	IS: 1248	A.E./Havells / UEL / IMP
8.	PVC sheathed, PVC insulated flat submersible copper cable.	IS: 694	Plaza / Fionolex / Safex.
9.	Selector switch.	-	Havells/Thakur / L&T/KAYCEE
10.	PVC insulated F.R. copper wire.	IS: 694	Skyton/National/ECKO/Havells.
11.	M.C.B.	IS: 8828	Standard/L&T/MDS/Indokoop/Action.
12.	PVC sheathed PVC XLPE al. armoured cable.	IS: 7098	Asian Cable/ Unistar/Ecko/Nicco/Skytone
13.	Panel Board.	-	Shall be fabricated as per drawing attached.

A---
C---
D---
OW---

Executive Engineer
Elect. Divn.-7, DDA
Keshav Puram, Delhi

EXECUTIVE ENGINEER
Electrical Division No. 7
DDA/Keshav Puram, Delhi-33

JE(P) AE(P)