

DELHI DEVELOPMENT AUTHORITY  
ELECTRICAL DIVISION NO. 5  
CENTRAL NURSEERY, SECTOR. 5  
DWARKA PHASE-I, NEW DELHI

(IN LIEU OF PWD-6)

NIT No: 10 & 16/EE/EL.D.5/DDA/07-08. (FOR SPECIALISED WORKS)

Sealed item rate tenders are invited for the following works by the EE/Elect.Divin.No.5/DDA,Central Nursery,Sect.5,DWK.Ph.I,New Delhi upto 3.00 PM on 24-08-07 on behalf of DDA from the approved contractor of appropriate class of DDA,CPWD,MES,Railway,P&T and Specialised firms who meet the following conditions which shall be opened on the same day at 3.30 PM at Ground Floor,Vikas Minar DDA office I.P.Estate,N.Delhi in the presence of intending purchaser or their authorized representative.

1. The annual financial turnover(gross)in Elect.Construction works in one of the proceeding three financial years shall not be less than 100% of the estimated(gross)value of the work(duly Audited by Chartered Accountant)on annualised basis(depending upon the time allowed for completion i.e. total estimated value divided by time of completion.
2. The satisfactory completion of atleast two works of similar nature/class,each costing not less than 50% of the estimated cost(gross)of the proposed work in the Central/State Govt./Public Sector Undertaking/Govt. Autonomous Bodies during the last five years.

The tender documents can be had on any working day from the O/O Ex.Engineer(E),Elect.Divin.No.5/DDA between 11.00 AM to 3.00 PM on payment of cost of tender(non-refundable)as well as amount of Earnest money mentioned against each works on production of valid Enlistment Registration Certificate and valid Registration with works Contract Cell of Sales Tax Deptt.of GNCTD and tax clearance certificate issued by the works contract cell in form-XI. Sale of tender forms will be stopped 4 days(i/c the date of opening) before the date fixed for the opening of tenders documents.

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

**EARNEST MONEY:** Deposit in cash upto Rs.10,000/-only Receipts Treasury Challan/Deposits at call Receipt/Fixed Deposit Receipt/Demand Draft of a Scheduled Bank issued in favour of Sr.A.O.(CAU)Dwarka Zone./DDA

S.No.	Name of work.	Estt. cost Earnest Money Tender cost	Last dt.of sale Dt.of opening	Time allowed
1.	M/O P/sets & E.I. at various places in Dwarka SH: A/R/M/O of Sub.P/sets & DG sets around C.T.4 Sector 20 & 23 DWK.Ph.I.	Rs. 3,78,444/- Rs. 7,569/- Rs. 500/-	20-08-07 24-08-07	12 Months.
2.	M/O Pump set & E.I. at various places in Dwarka SH: A/R/M/O and watch & ward of clear water P/set at C.T.4, Sect.20, Dwarka.	Rs. 5,79,762/- Rs. 11,595/- Rs. 500/-	20-08-07 24-08-07	12 Months.

*K. Thakur*  
Executive Engineer(E)  
Elect. Divin.No.5/DDA.



# SCHEDULE OF WORK

NAME OF WORK:- M/O Pump sets and EI at Various places in Dwarka SH: A/R/M/O of sub. P/sets and DG sets around CL4 sector 20 & 23 Dwarka ph-I

S.No.	Description of Item	Qty	Rate	Unit	Amount
1.	Operation of Sub. Pump sets & D.G sets as per inventory and terms & condition attached.	1Job for 12 Months		P/Month	



# INVENTORY

- |    |   |        |
|----|---|--------|
| 1. | 5 HP sub. p/set complete<br>with valves & control<br>pannel | 6 sets |
| 2. | 15 KVA D.G set complete<br>with pannel                      | 1 Set  |
| 3. | 30 KVA D.G set complete with<br>pannel                      | 1Set   |
| 4. | 40 watt flourcent tube fitting                              | 6 Nos  |
| 5. | 70 W HP SV  | 10 Nos |

Executive Engineer(E)/E. D. 5



## ADDITIONAL CONDITIONS

1. The work comprises of running, Operation, minor maintenance and watch and ward of 6Nos sub. p/sets and 2Nos DG sets with all their electrical and mechanical control and accessories, various valves and general lighting of all the pump houses.
2. Pump Operators shall be available in all the three shifts i.e 6 A.M. to 2 P.M., 2 P.M. to 10 P.M. and 10 P.M. to 6 A.M. and also khallasi/chowkidar as detailed below:
  - i Pump Operator Gr.II
    - one No for T-22 & T-23 in sector-23 in each shift.
    - One no for T-24 to T-27 around CT-4 sector-20 in each shift
  - ii Khallasi/Chowkidar
    - One H No in night shift
3. The contractor shall be responsible for operating the sub. pump sets and DG sets during the hours prescribed by the engineer-in-charge or his representatives from time to time. He shall also maintain log book up to date for all pump sets & DG sets.
4. The contractor shall deploy staff to operate the pump sets and D.G set daily including Saturday, Sunday, Holidays and even on National Holidays within the quoted rates.
5. The contractor shall have to maintain attendance register of his staff at site of work and same shall be checked from time to time by the Engineer-in-Charge.
6. The following minor maintenance works shall be carried out by the contractor within the quoted rates.
  - a. Replacement i/c supply of nuts, and bolts, fuses, bulbs, chokes, starters, light switches etc.
  - b. Servicing of DG sets ~~xxx~~ as and when reqd. However material filter and M.Oil shall be supplied by the department.

contd....



6. Replacement of HPSV lamps, 40 watt tubes, chokes, starters, 5/15 amps switch, sockets etc i/c fuses/HRC fuses and Internal electrical installation of pump house/DG set a room.
7. Incase of breakdown or fault the agency shall take immediate action for carrying out check etc to ~~incase~~ <sup>locate</sup> the fault and shall inform the department immediately incase of major breakdown. In case of minor fault the rectification shall be carried out immediately by the contractor within the quoted rates.
8. All instruction issued by the engineer-in-charge or his representative shall be followed <sup>strictly</sup>. Incase of any disobedience or misbehaviour by his staff the engineer-in-charge may ask for removal of <sup>such</sup> ~~each~~ persons from the work to which the firm shall have to comply strictly and promptly. The decision of the engineer-in-charge in such event shall be final binding.
9. The contract shall be for a period of Twelve months and shall come into force from the date of start of works. The contract may be terminated at any time within 15 days notice. No claim under clause 10 CC shall be paid under this contract.
10. Tools and plants required for preventive maintenance, minor repairs etc by the operational staff shall have to be arranged by the contractor and shall be available at site and ~~working~~ <sup>nothing</sup> extra shall be paid on this account.
11. Watch and ward round the clock shall be the responsibility of the contractor. Any loss due to pilfrage or theft or damage etc shall be borne by the contractor within the quoted rates.
12. It shall be the responsibility of the agency to keep the pump house as well as the complete installation neat and clean and nothing extra shall be paid on this account.
13. The complete electrical and mechanical installation shall have to be handed over by the contractor in good working condition to the JE/AE incharge the work at the time of completion of contract, failing which recovery shall be effected against the damaged items
14. In the event of non-operation of pumps as a particular day due to non-~~xxx~~ availability of staff the following

~~xxxxxxxxxxxxxx~~

recoveries shall be made from the contractor bill.



3/-

- a. In case of the pumps are not operated due to non-availability of staff or any other reason attributed to the operating agency during the prescribed timing of operation amount of Rs. 1000/- shall be recovered for each shift.
- b. In case the staff is found absent an amount of Rs. 40/- per hour with ceiling of Rs. 240/- per shift of pump operator and Rs. 30/- per hour up to a ceiling of Rs. 180/- per shift from khallasi/chowkidar shall be deducted.

15 Detail if Installation is hereunder:-

- a. T.22 & T.23 sector 23 Sub. p/set 5HP 2 set complete with control panel, pressure gauge sluice valves, NRV etc. 15 KVA DG set complete with control panel etc for operation of T.22 & T.23
  - b. T.24 to T.27 sector-20 Sub. p/set 5HP 4 sets complete with control panel, pressure gauges sluice valves, NRV etc. 30 KVA DG set complete with control panel etc for operation of T.24 to T.27.
  - c. 70 watt RPSV fitting installed at p/house 10 Nos & tube light fittings (1x40 watt) (No of fittings IEL of p/house.
- 16 The agency concern shall provide uniform with laminated I.card/Monogram to all the staff deployed at site nothing extra shall be paid on this account. The details to be mentioned on laminated I.card is as under:-
- a. Name of the employee (b) Father's name (c) Address
  - d. Date of birth (e) Name of agency with address and telephones (f) site of which employed (g) period of validity



NAME OF WORK:- M/O Pump set & EI at Various places in Dwarka SH: A/R/M/O and watch and ward of clear  
P/set at CT-4 sector-20 Dwarka.

S.No.	Description of Item	Qty	Rate	Unit	Amount
1.	Running, Operation, Maintenance and watch and ward of clear water pump sets of 200 HP capacity, submersible p/sets of 5HP each, DG sets of 437.5 KVA and 10 KVA, 20 KVA, 11 KV/415 Volt sub-station equipment compound lighting and their allied accessories installed at CT-4 sector-20 Dwarka i/c preventive maintenance and minor repairs as per terms and condition attached	1 Job for 12 Month		P/Month	
2.	Supplying & replacement of the following items				
a.	70 watt HPSV lamp	30Nos		Each	
b.	70 watt copper wound polyfilled ballast.	15Nos		Each	

WF



LIST OF INSTALLATION AT CT-4 SECTOR 20

1	Clear water P/sets coupled with 200 HP/150 KW Elec. Motor complete with Liquid Rotor Starters	3 sets
2	Clear water P/sets coupled with 125 KW Elect. Motor complete with Liquid Rotor Starters	3 sets
3	5 HP horizontal type sub P/sets for filling of water tanks complete with control panels	8 sets
4	5 HP & 3 HP sub P/sets complete with control panels	2 sets
5	H T Panel	1 set
6	1000 KVA Transformers	2 sets
7	437.5 KVA DG Set with control panel & batteries	1 set
8	20 KVA DG Set with control panel & battery	1 set
9	10 KVA DG Set with control panel & batteries	3 sets
10	LT Panel; for operation of P/sets at Sl. No. 1 & 2	1 set

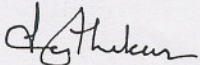
→ 11. Toward HPSV. Fitting — 52 No

*[Signature]*  
 Executive Engineer  
 Elect. Division No.  
 G. D. No.



SCHEDULE OF MAINTENANCE FOR TRANSFORMERS

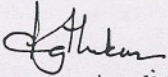
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|----|---|-------------|
| 1. | General cleaning of transformer                     | Weekly      |
| 2. | Checking of oil level in the conservative tank      | Monthly     |
| 3. | Checking of oil leakage                             | Fortnightly |
| 4. | Checking of cable boxes, gaskets, joints and gauges | Quarterly   |

  
Direct. Division No.  
D. B. S.



SCHEDULE OF MAINTENANCE FOR H.T. PANEL

- |    |   |             |
|----|---|-------------|
| 1. | Checking of fuses                         | Fortnightly |
| 2. | Checking of battery charger and batteries | Fortnightly |
| 3. | Checking of earth connections             | Quarterly   |

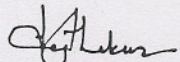
  
Executive Engineer  
Elect. Division No.  
D. D. A.



## ANNEXURE IV

### SCHEDULE OF MAINTENANCE FOR L.T. PANEL AND CAPACITOR PANEL

Checking of fixed and moving contacts and tightening the same if required	Quarterly
General cleaning and visual checking	Weekly
Checking of control fuses	Fortnightly
Cleaning checking and tightening nuts and bolts of horizontal and vertical busbar.	Monthly
Checking of indication lamps	Fortnightly
Cleaning of kiosks	Monthly

  
Executive Engineer  
Elect. Division No.  
B. D.



## TERMS & CONDITIONS

1. The contractor must get acquainted with proposed installation/site of the work and study specifications and conditions carefully before quoting their rates.
2. The successful tenderer shall carry out the checking of all electrical/mechanical as well as civil installation mentioned in list attached immediately after the award of work so as to satisfy themselves that the entire installation are in good running & sound condition.
3. The agency shall provide a board indicating the following information at the pump house.
  - i. Name and address of the firm
  - ii. Local address with telephone No.
  - iii. Mobile telephone No.
4. No T&P shall be issued by the department for carrying out repair maintenance, operation and testing etc.
5. The contract is for a period of 12 months and the Engineer-in-charge if so desire may terminate the contract without assigning any reason. The decision of the Engineer-in-charge in this regard shall be final and binding on the contractor.
6. (a) The list of installation for running maintenance operation, watch and ward is attached (annexure-I)  
(b) The contractor shall be responsible in respect of theft/damage/mishappening if any, the same shall be borne by the contractor within the quoted rates.
7. Details of labour required & scope of work.

The tenderer shall deploy the following operating staff daily i/c Sunday, holidays National holidays for operation or substation D.G sets and pump sets. In case of absence of any staff necessary replacement shall be provided by the agency failing which penalty shall be imposed per shift per day.

The decision of engineer-in-charge shall be final and binding on the contractor. The recovery in this regard shall be deducted from the contractor bill.

  1. Shift incharge/ electrician a) 2Nos (one in each shift wireman/pump operator from 6 A.M. to 2 P.M. & 2P.M. to 10 P.M. = 2Nos



## Security Guard

(c) 4Nos (One No. in 6 A.M. to 2 P.M.  
one No in 2 P.M. to 10 P.M.  
and two No in 10 P.M. to 6 A.M.)

8. One D.G set of 437.5 KVA 3Nos 10 KVA and 20 KVA shall be operated in emergency if required and the pump set in two shift i.e 6 A.M. to 2 P.M. and 2 P.M. to 10 P.M. The DG set/pump sets shall be operated as & when required within the quoted rates and nothing extra shall be paid on this account. Necessary P.O.L. shall be arranged by the department. However the requirement of POL shall be projected in advance by the firm and log book shall be maintained for each D.G set.
9. The staff for operation of equipments and watch & ward shall be in proper uniform with badge indicating the name of the firm while on duty. The agency shall also maintain register for incoming & outgoing material at the booster pumping station.
10. Incase of failure of electric supply necessary followup with BSES and ensuring the complaint is attended immediately shall be the responsibility of the firm under intimation to the site in charge. The annexe building i/c panel board and other equipment should kept clean. The material required for cleanliness shall be arranged by the firm and nothing extra shall be paid by the department.
11. Watch & ward of complete civil, electrical & mechanical installation shall be the responsibility of the contractor. Incase of any theft the amountt calculated by the department shall be recovered from the bill outstanding payment in respect of works in this division. Other division of DDA. The decision of the engineer-in-charge shall be final conclusive & binding on the contractor.
12. The agency/contractor shall deploy security guard in shift of 8 hours on all days i/c Saturday, Sunday & holidays round the clock.
13. Incase of absence of any staff necessary recovery shall be ~~make~~ made from the bill payable to the firm as per detail given below
 

1. Shift incharge/electrician/ wireman/pump operator	Rs.250/- per shift
11 Security guard	Rs.250/- per shift
111 Khallasi	Rs.150/- per shift



14. The payment shall be made monthly or other suitable intervals as desired by the contractor but not less than one calendar month on submission of the bill.
15. The security staff shall be equipped with working Lathi, Burch, batomax for which nothing extra shall be paid. The cost of such material shall be borne by the firm within quoted rates.
16. The quoted rates should be inclusive of all Govt. Taxes & levies if any Nothing extra shall be paid on account of increase/decrease of taxes at any time.
17. The quoted rates should be inclusive of all charges for Saturday/Sunday or other holidays. Nothing extra shall be paid on this account.
18. preventive maintenance shall be carried out by the contractor as per annexure I, II, III, IV attached.
19. The following Minor maintenance shall be carried out by the contractor for which nothing extra shall be paid.
  - a. Minor repair of the pump house wiring shall be carried out by the agency, replacement of consumable items such as 5 amp/ 15amp switch/sockets 40 watt tubes starters, chokes etc.
  - b. Consumable items such as brooms, dusters, grease, kerosene oil indicating lamp distilled water, acid, battery leads, control fuses, gland cover, washer, nut bolts, M.s.scal included in the offer. Nothing extra shall be paid on this account.
20. The contractor should also maintain printed log book for sub-station DG sets & Pump sets. The agency shall also maintain a register for periodic maintenance check as per performa supplied by the department after award of work. The cost of log book register etc. are to be borne by the agency. The contractor shall handover the log books and periodic maintenance register to the department as and when required and at the expiry of the contract.
21. Electrical and mechanical tools & plant required for minor preventive maintenance shall be arranged by the firm and nothing shall be paid extra on this account.



22. All instructions issued by the engineer-in-charge or his representative shall be followed strictly. In case of any disobedience or misbehavior by the staff of the firm the engineer-in-charge may ask for removal of such staff which the firm shall have to comply strictly and promptly. In case of failure or delay in removal the recovery shall be done as per additional condition No.13 taking such staff as absent from duty.
23. The contractor shall make arrangement for to keep the pump house premises neat and clean and nothing extra shall be paid on this account.
24. The contractor ~~will~~ shall ensure that staff take all safety precautions. In case of any accident, mishappening the contractor shall be fully responsible. The contractor shall ensure that the staff deployed by him shall follow all safety precautions and shall be responsible for compliance to the instructions issued by engineer-in-charge or his authorised representative. The staff shall also behave in proper manner with public in case of any break down.
25. If any installation comes in operation during the contract period, the same shall have to be operated within the quoted rates.
26. If at a later stage any new installation is fixed the same shall have to be operated within the quoted rates and nothing extra shall be paid.
27. Servicing of 20KVA & 10 KVA DG sets shall have to be carried out within the quoted rates. However M.Oil Filters shall be supplied by the department.
28. The contractor shall make the routine checks/maintenance of DG sets of various capacities as per maintenance schedule charts of the respective manufacturers. The major material such as engine oil/coolant etc shall be provided by the department.
29. The details to be mentioned in I card to be issued by the contractor Name of employee & father's Name (c) Address (d) Date of birth (e) Name of agency with address & telephone Nos (f) site for which employed (g) period of validity.  
Contractor shall maintain attendance register of staff