

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

(IN LIEU OF PWD-6)

NIT No: 27 and 28/EE/El.D.5/DDA/07-08. (FOR SPECIALISED WORKS)

Sealed item rate tenders are invited for the following works by the Ex.Engineer(E), Elect.Divin.No.5, DDA, Central Nursery Sect.5, DWK. Ph.I, N.Delhi upto 3.00 PM on 19-10-07 on behalf of DDA from the approved contractors of appropriate class of DDA, CPWD, Railway, MES, 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 preceeding three financial years shall not be less than 100% of the estimated(gross) value of the work(duly Audited by Chartered Accountant) on annucalised 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 0/0 the 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 tender 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) and (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 Receipts/Fixed Deposit Receipt/Demand Draft of a Scheduled Bank issued in favour of Sr. A.O./CAU/DWK. Zone/DDA.

S.No.	Name of work.	Estt. cost	Last dt. of sale	Time
		E. Money T. Cost		
1.	M/O P/set & EI at various places in DWK. SH: A/R/M/O and watch & ward of clear water P/set at CT-4, Sect. 20 DWK. Ph.I - Servicing and overhauling of Sub.Station equipments.	Rs. 1,54,667.00	16-10-07	15 days
		Rs. 3,093.00	19-10-07	
		Rs. 500.00		
2.	M/O work completed/closed scheme at DWK. SH: A/R/M/O of P/sets & DG set for clear. water supply at 976 LIG DU's at Sect. 14, Pkt. 1, DWK. Ph. II.	Rs. 1,85,436.00	16-10-07	12 Months
		Rs. 3,709.00	19-10-07	
		Rs. 500.00		

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



# SCHEDULE OF WORK

NAME OF WORK:- M/O Pump sets & EI at Various places in Danka SH; 4/B/M/O and watch and ward of clear water pump sets at C.T. 4 sector-20 Danka ph-I - Servicing and overhauling of Sub-Station equipments

S.No.	Description of item	Qty	Rate	Unit	Amount
1.	Servicing of H.T. vacuum circuit breaker vacuum contactor including checking cleaning <i>adjustment</i> & tightening of tripping mechanism, connections, of fixed and moving contacts and tightening of control circuit etc. as reqd. (Alstom make)	5 Nos		Each	
2.	Servicing of 11 KV/43 volts, 1000 KVA transformer l/c replacement of silicon gel, testing of I.R. valve, cleaning of fins, checking of bottom fly valves of radiator, and also checking setting/rectifying blockage if any, l/c checking of temperature water etc as reqd.	2 Nos		Each	
3.	Servicing and calibration of existing IMT relay of EI make through D.G secondary injection set l/c checking of tripping circuit and tightening of connections etc as reqd.	6 Nos		Each	
4.	Servicing of H.T Busbar tightening of all CTS P.T's connections, all nuts, bolts of outgoing cable and protection instruments etc. as reqd.	1 Job		Job	
5.	Dehydration/alteration of transformers oil of 1000 KVA transformers and P.T's upto 45 KV N.B. test as reqd.	1100L tr		L tr.	



- |    |   |        |      |
|----|---|--------|------|
| 6. | Supply and filling of transformer oil for bringing the level up to the reqd level of 1000 KVA transformer etc.  | 80 Ltr | Ltr  |
| 7. | Supplying and replacement of defective 400 amps <sup>3 Poles</sup> MCCB (crompton make) i/c connection of incoming and outgoing cables complete testing etc. as reqd.   | 1 No.  | Each |
| 8. | Servicing and overhauling of crompton make Air circuit breaker complete with checking of tripping mechanism control circuit, make & female contacts and closing tripping circuit, testing complete etc. as reqd.  | 6 Nos  | Each |
| 9. | Repairing of L.R.S (MER-3) starter i/c replacement of following items i/c connection testing etc. as reqd.  |        |      |
| a. | Reduction gear 1 No   |        |      |
| b. | Worm shaft 1 No.  | 1 Job  | Job  |
| 10 | Removing of leakage from LV bushing of 1000 KVA Transformer (Alston make) after removing of Top plate and other accessories, dismantling of Busduct, plate box i/c replacement of Gasket Bushing, Top plate & Busduct gaskets and drainout transformer oil up to bushing level after repairing complete the job, the oil Top up to the required level, re-assembling testing connection etc. as reqd. | 1 Job  | Job  |
| 11 | S/F of power pack 30V D.C output i/c battery backup of 30V <del>single phase</del><br>(Maintenance free) comprising of one No 220-110-30V single phase AC 50 HZ transformer of suitable current rating minimum 3A A.C to D.C complete with capacitor and wiring with 1.5sqmm PVC insl. copper cond cable from PT to control cable box i/c testing & commissioning etc. as reqd.                       | 1 Job  | Job  |



### ADDITIONAL CONDITIONS

1. The work shall be carried out as per specification and to the entire satisfaction of the Engineer-in-Charge.
2. Any damage of the existing Installation during the execution of work shall have to be made good within quoted rates.
3. No E&P shall be issued by the department.
4. Nothing extra shall be paid on A/C or cartage and Taxes.
5. The Agency shall have to stand guarantee for a period of Six months.
6. After dehydration & filtration test results of the transformer oil shall be submitted to the department.
7. The work shall be completed within 15 days
8. The spares to be supply/fixed in the equipment shall match with the rating, model of the existing equipment.
9. Dismantalled material shall be property of department.

Executive Engineer (E)/E.D.5



# SCHEDULE OF WORK

NAME OF WORK:- M/O Work Completed/closed scheme at Dwaraka SH. A/R/M/O of pump Sets & D.G set for clear water supply at 976 IIG houses at sector-14 pocket-I Dwaraka ph-II

S.No.	Description of Item	Qty.	Rate	Unit	Amount
1.	Operation of Pumps/D.G set as per the inventory terms and conditions attached	12 Months		P/Month	
2.	Supplying and replacement of following items				
a.	HMV Lamp 125 watt	4 Nos		Each	
b.	Copper wound polyester filled ballast 125 watt	4 Nos		Each	



## DELHI DEVELOPMENT AUTHORITY

## ELECTION DIVISION-IX

NAME OF WORK:- Const of 976 LIG House at Sector - 14 Pocket-I

Dwarka Phase - II

Detail of Installation

Sl. No.	Description of Item	Qty.
1	Centrifugal Pump set - 50 HP capacity Discharge - 76 ltr Per sec, Head-35 mtrs. Motor make- crompton greves Pump make:- mater + Platt.	2 set
2	Vaccum Pump set - 5 HP Capacity Motor-Kirlosker Pump-D.V. 40 Kirlosker	1 set
3	Service valve 200 mm dia Kirlosker make 250 mm dia Kirlosker make	2 No. 2 No.
4	Non Return valve 200 mm dia fluss make- 250 mm dia fluss make-	2 No. 1 No.
5	Foot valve 250 mm dia Kirlosker make	2 No.
6	C.I. Pipe C.I. fitting of size 200 mm & 250 mm.	
7	Pressure Gauge-6" dia	2 No.
8	40 mm dia G.I. Pipe Line from vaccum Pump to main pump & upto over head water Tank	1 set.
9.	40 mm G.M. Gate valve	2 No.
10.	G.M Water Indicator	2 No.



Sl. No.	Description of Item	QTY
11.	Vaccum Pressure Gauge	2 No.
12	Dewatering Pump set of 1 H.P. Make Kirlosker Brothers Ltd.	1 set
13.	Main Pannel Board for booster Pump set	
	a) 250 Amps main incomer disconnect switch with HRC fuses (L & T make)	1 No.
	b) 125 Amp disconnect switch with HRC fuses (L & T make)	3 No.
	c) m L- 4 F star delta starter (L & T make)	2 No.
	d) minilec single phase over load Protection	2 No.
	e) 0-200 Amps Ammeter with selector switch	2 NO.
	f) 5 KVA Power capacitor	1 set
	g) 0-500 Voltmeter with selector switch	1 NO.
	h) 32 Amps SP & N MCB	3 NO.
	i) Indicator lamp set with switch & <del>its</del> Fuses	1 set
14	Pannel Board for Vaccum Pump set	
	a) DOL starter (L & T make)	1 No.
	b) 0-500 voltmeter with selector switches	1 No.
	c) 0-30 Amp Ammeter	1 No.
	d) 32 Amp TP & NMCB c series	1 No.
	e) Indicator lamp set with switch & Fuses	1 No.
15	D.G. set 82.5 KVA water cool	1 set
	Details of Engine	
	Make of Diesel Engine - ASHOK LEYLAND	
	ENGINE NO. ALGP-411	
	BHP- 93, RPM 1500	
	A.C. Generator	
	Machine make: CROMPTON GREAVES	
	Machine No.-GATCI-005M	
	KVA-82.5, AC-415 Volts Frame No. 3200 Mo.	



Sl. No.	Description of Items	Qty
	D.G. Control panel	
	MCCB-100 Amps	1 No.
	Voltmeter 0-500	1 No.
	Frequency Meter	1 No.
	Amp meter 0-150	1 No.
	Battery 12 Volts	2 No.
	Battery Charges	1 No.
16	On load charge over Switch 4 Pole 250 amps	1 No.
17	Water level Indicator	1 No.
18	Fire Bucket	4 No.
19	Fire Extinguisher, Co2 Type	2 No.
20	Light Point with 1 X 40 W fitting	9 No.
21	Exhaust fan 18"-1400 RPM	2 No.
22	Ceiling fan 56"	2 No.
23	125 w HPMV fitting with Bracket	4 No.
24	4 Way SP- DB with 3 No. SP MCB	2 No.
25	8 Way SP-DB with 32 Amp SP & N MCB-1 No. & SP -- MCB 5 NO.	1 Set.

AKR  
J.E. (E)



## TERMS AND CONDITIONS

1. The work comprises of running and operation of pump sets, D.G. set and 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 6:00AM to 2:00PM and from 2:00PM to 10:00PM.
  - b. Khallasi – 1 No. from 10:00PM to 6:00PM.
  - c. Wireman Grade-I shall attend the site of work between 9:00AM to 5:00PM 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/ D.G. set.
4. The contractor shall supply the list of staff along with experience certificates 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 No., site for which employed and period of validity. A copy of the identity cards shall be given to the Engineer-in-Charge within 15 days of award of work.
6. The contractor shall employ staff throughout the period of contract including Saturdays, Sundays, Gazetted holidays and National holidays.
7. Following records are to be kept at site of work.
  - a. Printed 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 packings of valves and worn out 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.
- f. Adjustment, alignment / tightening of nuts and bolts as and when required.
- g. Replacement of burnt 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. The D.G. set shall be operated in case of electricity failure or as and when desired by the Engineer-in-Charge. However P.O.L. shall be supplied by the department.
10. Co-ordination and follow up action with electric supply agency shall be done by the contractor in case of failure / fault in supply / fluctuation in voltage.
11. The contractor shall intimate the Engineer-in-Charge about the major breakdown or failure of electric supply in time.
12. Watch and ward shall be the responsibility of the contractor. Any loss due to theft or pilferage etc. shall be borne by the contractor.
13. The payment to the contractor shall be made bi-monthly or at other suitable intervals desired by the contractor but not less than one calendar month.
14. Proper handing / taking over of all the E&M installations shall be carried out by JE(E) in charge of the work and the contractor in writing immediately after award of work / before start of work.



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.
16. 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's bill.
17. All allied accessories / installations shall be kept in working order and in case any damages / loss 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.
18. The contractor shall keep all the necessary spares and T&P at site required for operation and maintenance to be carried under his contract.
19. 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 provide suitable substitute simultaneously.
20. The rates quoted by the contractor shall be inclusive of all taxes, duties and Govt. levies etc.
21. Pumping installation shall be painted (excluding control panel) once during the contract period.
22. Any injury to the operational staff, in case of any mishap, during duty hours will be the liability of contractor.

Executive Engineer (Elect.)  
Elect. Division No.....