

DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO.5 CENTRAL NURSERY SECTOR-5
DWARKA PHASE-I, NEW DELHI
(IN LIEU OF PWD-6)

NIT No. **43,47,49,50,51,53,54,27(RE-INVITED),46 & 52 / EE / El. D. 5/ DDA/ 08- 09 (FOR SPECIALISED WORKS)**

Sealed item rate tender are Re- invited for the following works by the Ex. Engineer(E),

Elect.Divin.No.5/DDA, Central Nursery, Sector-5, Dwarka Ph.I, N. Delhi up to 3.00 PM on the date mentioned against each on behalf of DDA from the approved contractors of appropriate class of DDA, CPWD, Railways, MES,P&T & Specialized 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 New Delhi in the presence of intending purchaser or their authorized representative.

The enlistment of the contractors should be valid on the last date of sale of tenders.

In case only the last date of sale of tenders is extended, the enlistment of contractor should be valid on the original date of sale of tenders.

In case both the last date of receipt of application and sale of tenders are extended, the enlistment of contractor should be valid on either on the two date i.e. original date of sale of tender or on the extended date of sale of tenders.

1. Firms enlisted/ approved for similar nature of works in appropriate class in CPWD (submit documents). OR
2. Those who fulfills the following criteria:-
 The applicant shall submit Self attested photocopies of completion certificates issued by an officer not below the rank of Ex. Engineer for (Name of specialized item/work) executed in central Government/State Government undertaking/Autonomous bodies are completed)
 Three similar works of value not less than 40% of estimated cost or two similar works of value not less than 50% of the estimated cost or One work of 80% of the estimated cost (executed during last seven years) on or after (specify the day considering the date of issue of notice).
3. During security of the cases, the value of work executed by a firm some time earlier shall be brought to current costing level by enhancing the value of work done @ 7% per annum (calculated from date of actual completion to the current date without compounding) for eligibility criteria for above mention works.

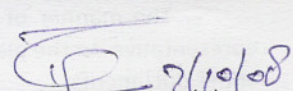
The tender documents can be had on any working day from the office of Ex. Engineer (E), Elect. Divin.No.5/DDA between 11.00 AM to 3.00 PM on payment of cost of tender (non-refundable) as well as Earnest Money mentioned against the work on production of valid Enlistment Registration Certificate and valid 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 (including 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: The earnest money should be in cash up to Rs.10,000.00 only, Receipts Treasury Challan / C.D.R./ F.D.R./D.D. of a Scheduled Bank issued in favour of Sr. A.O./CAU/Dwarka, DDA, New Delhi. It should, however, be ensured that FDR/Pay Order is valid for a period of Six Months or more after last date of receipt of tender. The tender of the Agency who does not enclose the earnest money in the prescribed manner shall be summarily rejected.

SNo.	Name of work	Estt. Cost E. Money T. Cost	Last dt.of sale Dt.of opening	Time allowed
1.	M/O work completed/closed scheme at Dwarka Zone SH: A/R/M/O of booster P/set & D.G. set at 1776 S.R.T. at Sector 16-B Pkr.2 Dwarka.	Rs.2,07,631.00 Rs. 4,153.00 Rs. 500.00	13.10.2008 17.10.2008	12 Months.
2	M/O completd/closed scheme of Dwarka Zone SH: Operation and Maintenance of lifts, Electric driven fire pump sets, Diesel Engine driven pump sets for firefighting system, P.A. system, D.G. set and common area lighting at 198 HIG (M.S.) houses in Sector-12 Pkt.8 Dwarka.	Rs.8,58,628.00 Rs. 17,173.00 Rs. 500.00	13.10.2008 17.10.2008	12 Months.
3	M/O P/sets & E.I. at various places in Dwarka SH: A/R/M/O of Sub. P/set and D.G. sets around C.T.4 at Sector-20 & 23 Dwarka Phase-I.	Rs.4,29,994.00 Rs. 8,600.00 Rs. 500.00	13.10.2008 17.10.2008	12 Months.
4	M/O work completed/closed scheme of Dwarka Zone SH: A/R/M/O of booster pump sets & D.G.	Rs.2,47,610.00 Rs. 4,952.00	13.10.2008 17.10.2008	12 Months.

5	M/O completed/closed scheme of Dwarka Zone SH: A/R/M/O of booster pump sets & D.G. sets at 1760 Janta Du's Pkt. B and 528 LIG Du's in Pkt. C at Sector 16-B Dwarka Phase-II.	<u>Rs.2,13,748.00</u> <u>Rs. 4,275.00</u> <u>Rs. 500.00</u>	<u>13.10.2008</u> <u>17.10.2008</u>	12 Months.
6	M/O Pump set and E.I. at various places in Dwarka Ph.I SH: A/R/M/O of booster P/sets & D.G. set at command Tank No.1 Sector-7 Dwarka Phase-I – A/R/M/O of D.G. set & Sub. P/set & compound lighting at C.T.No.1 Sector-7 Dwarka.	<u>Rs.2,81,290.00</u> <u>Rs. 5,626.00</u> <u>Rs. 500.00</u>	<u>13.10.2008</u> <u>17.10.2008</u>	12 Months.
7.	M/O completed /closed scheme of Dwarka SH: Annual Running Operation & Maintenance of Sub. Pump set along with D.G. set at Tube well Nos. T-5, T-6 at Sector-11 Dwarka Phase-I.	<u>Rs.3,78,683.00</u> <u>Rs. 7,574.00</u> <u>Rs. 500.00</u>	<u>13.10.2008</u> <u>17.10.2008</u>	12 Months.
8.	M/O completed/closed scheme at Dwarka for 440HIGMultistoreyed Houses at Sector 19-B Dwarka SH: Operation and maintenance of Lifts, 250 KVA D. G. set, fire fighting pump sets, fire alarm system, common area lighting and clear water booster pump set along with D.G. set – Annual comprehensive maintenance of lifts.(Re-invited)	<u>Rs.13,34,304.00</u> <u>Rs. 26,686.00</u> <u>Rs. 500.00</u>	<u>17.10.2008</u> <u>21.10.2008</u>	12 Months.
9.	M/O completed/closed scheme at Dwarka for 440 HIG Multistoreyed houses at Sector 19-B Dwarka SH: Operation and Maintenance of lifts, D.G. set , fire fighting pump set, fire alarm system, P.A. system, common area lighting, clear water booster P/set etc.	<u>Rs.14,55,408.00</u> <u>Rs. 29,108.00</u> <u>Rs. 500.00</u>	<u>17.10.2008</u> <u>21.10.2008</u>	12 Months.
10.	C/O approach Road from Dwarka Dwar to NH-8 (Old Delhi Gurgaon Road) through cantonment Area SH: Running, Maintenance and Operation of Street lights on Main Carriage way, Service Road underpass, i/c Drainage pumps & D.G. sets installed in the underpass.	<u>Rs.14,59,701.00</u> <u>Rs. 29,194.00</u> <u>Rs. 500.00</u>	<u>17.10.2008</u> <u>21.10.2008</u>	12 Months.


 Executive Engineer (E)
 Elect. Divin. 5/ DDA.

No: F.3 (5)/EI.D.5/A/Cs/DDA/08-09/ 1274 Dated: 7/x/08

1. CE (E),D-3, V.Kunj, DDA. (2) FO to CE(E),D-3,V.Kunj,DDA.(3)SE(E)-I,Office Complex Manglapuri, DDA.(4) EE(QCC)-E,Vikas Sadan, DDA.(5) EE/EI.D.1,4,6,7,8,9,10,11,12 & Elect.Flyover No.1/DDA.(6)AO(CAU)/DWK./DDA.(7)AAO/EI.D.5/DDA.(8)H/C/EI.D.5/DDA.(9)AE(P)/EI.D.5/DDA. (10) AO(W)-II,Vikas Sadan,DDA.(11)AE(E) I &3/EI.D.5/DDA.(12)Tenderclerk,Tender sale counter,Ground floor Vikas Minar,DDA. (13)Asstt. Security Officer, Vikas Minar,DDA.(14) DDA Builders Association (Regd.) C-29, Panchsheel Enclave ,N.Delhi.(15) DDA contractors Welfare Association (near enterence barrack No.1)Vikas Kuteer,N.Delhi. (16) DDA contractors Association,48-A, E-18, Vikas Kuter N.Delhi. (17) The Secy. CPWD contractors Welfare Association (Regd.) Y-Shape Bldg.I.P.Estate,N.Delhi. (18)The Gen. Secy. Contractor Association (Regd.) Gali Arya Samaj Bazar Sita Ram, Delhi. 110006 (19) Elect. Engrs. Contractor Association 2362/1 Maharaja Complex West Patel Nagar, N.Delhi. (20)Elect. Contractor Association(Regd.) 41-A,Ph.II, Mayapuri Indl.Area,N.Delhi. (21) The Delhi contractors & Builders Association (Regd.) H.N.5503Ch. Prem Raj Bhavan, Ch. Bhim Singh Road, New Chandrawal Delhi-7. (22)The sales tax officer, works contract cell ,Bikrikar Bhavan I.P.Estate,N.Delhi. (23) The Secy.(CRB), Vikas Minar,N.Delhi. (24) All Delhi DDA & MCD contractors Welfare Association (Regd.)253, Partap

NAME OF WORK:- C/O Approach Road from Dwarka Dwar to NH-8 (Old Delhi Gurgaon Road) through Cantonment Area
 SH: Running, Maintenance and operation of Street lights on Main Carriage way, Service Road
 underpass, i/c Drainage pumps & D.G sets installed in the underpass)

S.No.	Description of item	Qty	Rate	Unit	Amount
1.	Maintenance of street lighting as per inventory and terms and conditions attached.	12 Month		P/Month	
2.	Operation of pumps/D.G set as per the inventory and terms and conditions attached.	12 Month		P/Month	
3.	Supplying and replacement of the following items				
a.	1) 70 watt HPSV SON(T) lamp	5 No		Each	
	ii) 150 watt HPSV SON (T) lamp	50 Nos		Each	
	iii) 250 watt HPSV SON (T) lamp	50 Nos		Each	
	iv) 400 Watt HPSV SON (T) lamp	10 Nos		Each	

i) 70 watt copper wound choke/Ballast suitable for HPSV luminaires	4Nos	Each
ii) 150 watt copper wound choke/ballast suitable for HPSV luminaires	50 Nos	Each
iii) 250 watt copper wound choke/ballast suitable for HPSV luminaires	35 Nos	Each
iv) 400 watt copper wound choke/ballast suitable for HPSV luminaires	6 Nos	Each
Electronic ignitor suitable for 70/150/250/ 400 watt luminaries	50 Nos	Each
Supplying & replacement of existing damaged M.S. swaged tubular pole of 9 mtr height 410 SP-33 with MS base plate plate of size 350x350x20mm concealed connector box with cover & locking arrangement in side the pole bracket arm of 1 mtr suitable for suspending/fixing 2nos luminaries on sides i/c dismantling of existing pole and foundation recasting of foundation painting wiring of pole, cable connections, earth connections as per specification etc. as reqd.	8 Nos	Each

5. Supplying & replacement of damaged street light fitting suitable for following watts HPSV lamp complete with control gear, reflector, protection glass cover alongwith HPSV lamps i/c earthing the body connections & testing etc. as reqd.

a. 150 watt 10 Nos Each

b. 250 watt 10 Nos Each

6. Supply of the following size of PVC insulated & PVC sheathed Aluminium conductor armoured power cable of 1.1 KV grade.

a. 2x25 sqmm 100 Mtr Mtr

b. 2x35 sqmm 100 Mtr Mtr

c. 3.5x120sqmm 100 Mtr Mtr

7. laying of one number PVC insulated and PVC sheathed XLPE power cable of 1.1 KV grade of size not exceeding 25sqmm in the existing RCC/Hume/Stoneware/metal/DWC pipe as reqd.

200 Mtr Mtr.

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|
| 8. | Laying of one number PVC insulated and PVC sheathed XLPE power cable of 1.1 KV grade of size exceeding 25 sqmm but not exceeding 400 sqmm in the existing RCC/Hume/Stoneware/ Metal/DWC pipe as reqd. | 100 Mtr | Mtr |
| 9. | Supplying and making straight through joint with cast resin compound including ferrules and other jointing material for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as reqd. | | |
| i. | 2x25 sqmm | 5 Nos | Each |
| ii | 2x35 sqmm | 5 Nos | Each |
| iii | 3.5x120sqmm | 3 Nos | Each |

INVENTORY (Street lights)

A1

S.No	Location	9 mtr. M.S. tubler pole with single overhang	9 mtr. M.S. tubler pole with double overhang	250Watt. HPSV luminaire	150 watt. HPSV Luminaire	400watt. HPSV Luminaire for day light	70watt. HPSV Luminaire for night light	150 watt. post top Luminaire with G.I pole
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(A) ROAD PORTION

1.	Maining carriageway of road	----	124	249	-----	-----	-----	-----
2.	Service Rd. and outside roatarv	128	-----	-----	128	-----	-----	-----
3.	In side roatarv	----	-----	-----	-----	-----	-----	10nos
4.	Underpass	-----	-----	-----	-----	46	26	-----
5.	Above underpass	-----	5nos	12	-----	-----	-----	-----

(B) FLYOVER PORTION

1.	Main carriageway	-----	74	-----	148	-----	-----	-----
2.	Ramps	30	-----	-----	30	-----	-----	-----
3.	Service road contonme- nt side.	22	-----	-----	22	-----	-----	-----
4.	Service road Dwarka Gate side	4	21	42	4	-----	-----	-----
5.	Sofit light and obligatory spains	-----	-----	-----	186	-----	-----	-----

184

225

303

518

46

26

10

908 Nos

-2 Nos

INVENTORY (Pumps & DG Sets)

Part-A

- (i) **D.G.Set**
- (a) Capacity - 125 KVA - 2Nos.
- (b) Control panel comprising of - AMF Panel - 1 No.
- Manually operated panel - 1No.

Part - B

(i) **Submersible Pumps**

- (a) (i) 9.50 KW submersible pumpset - 4Nos.
(ii) 16.00 KW submersible pumpset - 2Nos
- (b) Control panel comprising of
- i) MCCB 250 Amp. - 1 No.
- ii) 32 A, Switch Disconnector Fuse Unit
Single phase preventer, voltmeter Ammeter etc - 4 Sets.
- iii) 63A, Switch Disconnector Fuse Unit
Single phase preventer, voltmeter Ammeter etc - 2 Sets
- (c) Detail of valve
- i) 100mm C.I. Non-return valve - 4 Nos.
- ii) 100mm C.I. Sluice valve - 4 Nos.
- iii) 150mm C.I. Non-return valve - 2 Nos.
- iv) 150mm C.I. Sluice valve - 2 Nos.

Part - C

Internal Electrical Installation

- i) 1x40 watt tube light fittings - 8 Nos.
- ii) Exhaust fan 600 mm size - 2 Nos.
- iii) Ceiling fan 1200 mm size - 2 Nos.

ADDITIONAL CONDITIONS AND SPECIFICATIONS

1. The contractor must get acquainted with the proposed site for the work and study specifications & conditions carefully before tendering. The work shall be executed as per the directions of Engineer-in-Charge. If the site or part of it is not available for any reasons, the programme of execution shall be modified accordingly and the contractor shall have no claim for any extra compensation on this account.
2. The work as indicated in the schedule of work attached herewith including any modification/addition/alteration ordered subsequently shall be carried out as per the following specifications indicated in the order of their precedence.
 - i. Indian Electricity Rules 2005 as amended upto date.
 - ii Technical specifications attached herewith.
 - iii Relevant BIS Codes as amended upto date.
 - iv CPWD specifications for electrical work (part-I) Internal 2005 part-II External 1994 with correction slips upto the date of tender.
3. All the materials shall be got approved from the Engineer-in-charge before installation at site.
4. The work comprises of maintenance of street lighting running & operation of pump sets, DG sets & general lighting as per the inventory attached.
5. Scope of work is as under:
 - i. To keep all street lighting points & all allied installations in working order.
 - ii To keep the street lighting functional during the timings fixed by the Engineer-in-Charge.
 - iii Street lighting should be switched ON/OFF at appropriate time fixed by the department.
6. 90% of the street lighting should remain in working order & functional throughout the period of contract failing which proportionate recovery shall be made from the contractor's bill.
7. No street lighting points should remain out of order for morethan 3 days a recovery of Rs. 50/- per point per day shall be made from the contractor's bill.
8. For laying of cable in pucca portion & removing of existing damaged defective cable payment will be made as per item No. 7&8 of schedule of work & no extra payment shall be made on this account.

9. proper handing taking over of all the E&M installations shall be carried out by JE(E)/AE(E) In-charge of the work and the contractor in writing immediately after award of work and before start of work. The same shall be handed over to the department in proper working condition after of the contract.
- 10 The contractor shall depute the following staff under the contract.

a. Wireman Gr-I	3 Nos (One in each shift)
b. Khallasi	6 Nos (Two in each shift)
c. Operator	3 Nos (One in each shift)
- 11 The duty timing of the staff can be changed as & when required by the Engineer-in-charge.
- 12 The contractor shall deploy trained & competent staff to the satisfaction of the Engineer-in-charge incase of pumps/DC set they should have minimum two years experience.
- 13 The contractor shall supply the list of staff alongwith details i.e Name Father's Name, Date of birth, 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 deployed by the contractor.
- 14 The staff deployed 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 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.
- 15 The contractor shall deploy staff throughout the period of contract i/c Saturday, Sundays, Gazetted holidays and National holidays and shall maintain attendance register which shall be kept at the office of JE(E) concerned.
- 16 The contractor shall submit the log sheet as per the performa enclosed regarding the status of street lighting points & other allied installations of the procceding day daily to the Engineer-in-charge the division office, duly signed by him or his authorised representative whose particulars shall be furnished by the successful tenderer within 7 days of sward of work.

17. 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

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

18 If any staff deployed by the contractor is found absent on a particular time and date an amount equal to minimum wages fixed by Delhi Administration from time to time shall be recovered from the contractor's bill

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 contractor shall take all safety measures at site during maintenance of the installations.

21 Any injury/mishapening to the maintenance/operational staff during duty hours will solely be the liability of the contractor.

22 The contractor shall maintain the street lighting luminaires with wheel ladder motorized ladder only within the quoted rates.

23 Co-ordination and followup action with Electric supply Agency shall be done by the contractor incase of failure/fault in supply/fluctuation in voltage.

24 The contractor shall intimate the Engineer-in-Charge about the major breakdown or failure of electric supply fluctuation in voltage.

25 The following minor maintenance i/c preventive maintenance shall be carried out by the contractor. The details of work carried out shall be recorded in the register.

- a. Supplying and replacement of kit-kats and MCB's as & when required.
- b. Supplying and replacement of thimbles & ferrules as & when required.
- c. Supplying and replacement of copper wire of size 2.5sqmm as & when required.

- d. Supplying and replacement of HRC fuses as & when required.
- e. Servicing & greasing of pumps/motors once in 3 months
- f. Replacement of rubber packing of valves and wornout nuts and bolts etc.
- g. Replacement of Fl. Tubes incandescent lamps and starters.
- h. Adjustment alignment & tightening of nuts, and bolts as & when required.
- i. Replacement of burnt out thimbles wire terminals etc.
- j. Top up of battery water.
- k. Daily cleaning of equipments/pump house.

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

- 26 All electric connections ^{shall} ~~and~~ be checked atleast once in a month and set right if required.
- 27 The contractor has to return the dismantled material to the department after replacing the defective items at site for which separate payments are being made by the department.
- 28 All allied accessories/installations shall be kept in working order and incase any damages/loss is done to the installations due to the negligence of staff deployed by the contractor during the contract period, the contractor shall have to make good the damages /loss at his own cost except the damages to the installations by accident. Incase 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.
- 29 The contractor shall keep all the necessary spares and T&P at site required for operation and maintenance to be carried out under his contract.
- 30 If at any stage, the timer switch provided in the feeder pillar does not function the contractor shall make immediate arrangement for ON/OFF operation manually till the timer switch is got repaired/replaced.
Nothing extra shall be paid on account of arrangement for ON/OFF operation manually.
- 31 Items at S.No. 3(a) ~~3(b)~~ 3(c) & 4 to 9 shall be executed as and when required and these shall be executed in the presence of authorized representatives.

- 32 The following makes of the materials are acceptable.
- a. HPSV lamp Philips/Osram
 - b. Ballast As per fitment of manufacturer's existing luminaire.
 - c. Ignitor As per fitment of manufacturer's existing luminaire
 - d. MCB's MDS/Standard/Action/L&T/Indokopp
 - e. Copper wire National/Ecko/Havells/Skytone
 - f. PVC insulated & PVC sheathed/XLPE armoured ~~xxxx~~ cable Asian Cable/Unistar/Ecko/Nicco/Skytone.
 - g. Swaged steel tubular pole Conforming to relevant IS
- 33 The contractor shall also be responsible for removal of unauthorized hoardings, banners, if any on the poles during the contract period for which the Engineer-in-Charge's Authorized representative shall render their assistance if required.
- 34 The D.G set shall be operated incase of electricity failure or as & when desired by the Engineer-in-charge However POL shall be supplied by the department.
- 35 Testing of earth continuity and earth electrodes shall be carried out once in a year by the contractor in the presence of authorized representatives of the Engineer-in-charge.
- 36 Watch and ward shall be the responsibility of the contractor. Any loss due to theft or pilferage etc. shall be borne by the contractor.
- 37 The rates quoted by the contractor shall be inclusive of all taxes duties & Govt levies etc.
- 38 The payment to the contractor shall be made bi-monthly or at other suitable intervals desired by the contractor but not less than one calender month.
- 39 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.
- 40 The height of M.S box inside the pole shall be as per the existing pole. The pole should also match completely with the existing pole already ~~xxxx~~ provided at site, for which details can be had from the Engineer-in-charge, if so required by the ~~contractor's~~ contractor.

6/-

41. Erection of poles:- poles shall be installed on RCC foundation, contractor shall give design of foundation which shall be approved by Engineer-in-charge before coonstruction of foundation .
The foundation shall be suitable for pole for a wind pressure of 180 KM/hour minimum and to bear a load of 160 kg. minimum.
- 42 The fitting/luminaries against item No. 5 of the schedule of work should be of the same make/model as already provided at site, for which details can be had from the Engineer-in-Charge if required by the contractor.

Executive Engineer(E)/ED.5