

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

NIT NO: 15 /EE/E.L.D.5/DDA/08-09 (FOR GENERAL WORKS)

Sealed item rate tender are invited for the following work 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 19-8-08 on behalf of DDA from the approved contractors of appropriate class of DDA, CPWD, Railways, MES and P&T 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.

The tender documents can be had on any working day from the office of CAU/Dwarka Zone/ Sale Counter Ground Floor, Vikas Minar 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 the work on production of valid Enlistment Registration Certificate and valid Registration with works contract cell of sales tax Depth.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.

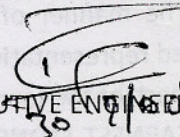
The manner of submission of tender, opening of the same and entry of contractors, their authorized representative to the place of opening shall be as provided in clause-3a(b) and (c) of PWD-6 forming part of the tender documents.

EARNEST MONEY: The earnest money should be Deposited alongwith tender documents in cash up to Rs.10,000/- only Receipts Treasury Challan/ C.D.R./ F.D.R./ D.D. of Scheduled Bank issued in favour of Sr.A.O./CAU/DWK Zone 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.

S.No	Name of work	Estt. Cost E. Money T. Cost	Last dt.of sale Dt.of opening	Time allowed.
1.	D/O 130.30 Hact.of Main land at DWK.Ph.II in South West of Delhi Sector 12-B and 14 Ph.II. SH:Providing Street Lighting on Circular Road/Pedestrian Plaza / Walk Way/ SW Drain, Central Verge, round about along Metro Track in Sect.12-B, Ph.II near Metro Station No.3, DWK. Ph.II.	Rs.13,92,519.00 Rs. 27,850.00 Rs. 500.00	14-8-08 19-8-08	3 Months

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

1. CE(E),D-4, V.Kunj,DDA. (2) FO to CE(E),D-4,V.Kunj,DDA.(3)SE(E)-I,Office Complex Manglapuri,DDA.(4) EE(QCC)-E,Vikas Sadan,DDA.(5) EE/El.D.1,,4,6,7,8,9,10,11,12 & Elect.Flyiver Divn. No.1/DDA. (6) AO(W)-II,Vikas Sadan DDA. (7)AO(CAU)/DWK./DDA.(8)AAO/El.D.5/DDA. H/C/El.D.5/DDA.(10)AE(P)/El.D.5/DDA.(11)AE(E)-3/El.DS.5/DDA.(12) Tender clerk, 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.) Arya Samaj Bazar Sita Ram,N.Delhi. (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.5503, Ch. 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 Khand Vishwekarma Nagar , Delhi-95. (25) Delhi Contractors Welfare Association (Regd.),88-B,First Floor, Jwala Heri Market, Paschim Vihar,N.Delhi. (26) Notice Board/El.D.5/DDA. (27) Elect.Divin. (C.W.G.)-2/DDA, B-1/12-13 Community Centre, Janak Puri, New Delhi.(28) Director (System) Through Website ddatender@dda.org.in.


EXECUTIVE ENGINEER(E)

No.	Name of work	Est. Cost	Est. Money	Last dt. of work
1.	Along Metro Track in Sect. 12-B, Ph.II near Metro Station No.2, DWK Ph.II.	Rs. 500.00	Rs. 500.00	12-8-08
2.	Street lighting on Circular Road, Redstone Plaza, West of Delhi Sector 12-B and 14 Ph.II. SH Providing	Rs. 21,850.00	Rs. 21,850.00	12-8-08
3.	O/O 130.30 Hect. of Main land at DWK Ph.II in South	Rs. 13,92,219.00	Rs. 13,92,219.00	12-8-08

SCHEDULE OF WORK

NAME OF WORK:- D/O 130.30 Hact. of main land at Dwarka ph-II in South West of Delhi sector 12-B & 14 ph-II
 SH: providing street lighting on circular road/pedestrian plaza/walk way /SW drain
 Central Verge round about along metro track in sector 12-B ph-II near Metro station No
 Dwarka ph-II

S.No.	Description of Item	Qty	Rate	Unit	Amount
1.	Supply, erection, testing and commissioning of swaged steel tubular pole of 13 mtr height (Designation 410 SP 68) with MS base plate size 350mmx350mmx10mm having inbuilt concealed connector box inside the pole at a height of 1.5 mtr from ground level MS sleeve for cable entry as per drawing, specifications attached and detail given below, erection in cement concrete foundation 1:3:6 (1 cement 3 coarse sand 6 graded stone of 40mm nominal size) i/c excavation refilling etc. complete as reqd.				
a.	pole with bracket with single overhang	24 Nos		Each	
2.	Supply, installation, testing and commissioning of street light fitting suitable for HPSV 250 watt tubular lamp for operation on 200 to 240 V 50 HZ A.C. supply condition complete with control gear, reflector, ignitor, protective flat glass cover with 250 watt HPSV SON-T plus tubular lamp etc. complete as reqd. and as per technical specifications attached.	24 Nos		Each	

- 2/-
3. Supplying and laying of one number double walled corrugated high density polyethylene pipe having corrugation on the outer wall and plane surface inner wall conforming to IS 14930 part-I and part-II complete with necessary HDPE fitting for protection of 1.1KV grade cable directly in ground at depth of 50 cm i/c excavation and refilling the trench etc. as reqd.

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| 1. | 90MM Outer dia | 750 Mtr | Mtr |
| 11 | 120 MM outer dia | 100 Mtr | Mtr |
| 4. | Supplying of 2x25sqmm ^{XLPE} Al. conductor PVC insulated PVC sheathed armoured power cable of 1.1 KV grade as reqd. | 2520M _t | Mtr |
| 5. | Supplying and drawing of 3x2.5sqmm size PVC insulated copper conductor single core cable in the existing surface/recessed/PVC/steel tubular pole for connection between connector box and fitting complete as reqd, | 300M _t | Mtr. |
| 6. | Laying of one number PVC insulated and PVC sheathed XLPE power cable of 1.1 KV grade of size not exceeding 25 sqmm direct in ground i/c excavation, sand cushioning protective covering the refilling the trench etc. as reqd. | 120 Mtr | Mtr |

3/-

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| 7. | Laying of one number PVC insulated and PVC sheathed XLPE power cable of 1.1KV grade of size not exceeding 25 sqmm in the existing RCC/Hume/stoneware/DWC/Metal pipe as reqd. | 2400 Mtr. | Mtr |
| 8. | Earthing with GI earth pipe 4.5m long X 40mm dia i/c accessories and providing masonry enclosure with cover plate having locking arrangement etc.(but without charcoal or coke and salt) complete as reqd. | 3Set | Set |
| 9. | Extra for using salt and charcoal for pipe earth electrode as reqd. | 3set | Set |
| 10 | providing and fixing 6SWG dia GI wire on surface or in recess for loop earthing alongwith the existing surface/recess ed conduit/ main submain wiring/ cable as reqd. | 840 Mtr | Mtr |

ADDITIONAL CONDITION AND SPECIFICATION

1. The contractor must get acquainted with the proposed site of work and study specification and conditions carefully before tendering. The work shall be executed in close coordination with the civil work and as per directions of the engineer-in-charge. If the site or a part of it is not available for any reason, the programme of execution shall be modified accordingly and contractor shall have no claim for any extra compensation on this account.
2. Contractor shall submit test report form duly filled in for receiving electrical connection from the concerned electric power supply company, if so required by the engineer incharge.
3. The work as indicated in the schedule of work attached herewith including any modification addition/alternation ordered subsequently shall be carried out as per specifications indicated below in order of their precedence:
 - (i) Indian electricity rules 2005 as amended up to date.
 - (ii) Specifications and drawings attached herewith.
 - (iii) Relevant BIS codes amended upto date. wherever BIS codes do not exist the British standards shall be followed.
 - (iv) CPWD specifications for electrical work (internal) 2005 (part-I) external 1995 (part-II) with correction slips upto the date of tender.
4. Design criteria and requirement of illumination level given in technical specifications are only the basis of evaluation of the tenders. No weightage of any kind shall be given, if the tenderer claim to meet better specifications.
5. The entire system shall be tested to the satisfaction of the engineer incharge.
6. The contractor shall provide all labour, equipments and material required for performance test of the entire installation.
7. The contractor shall furnish 6 sets of completion plan while handing over the installation.
8. The rates, tendered by the contractors should be firm and inclusive of all central/state govt. taxes, duties and levies. No escalation in tendered rates shall be permitted.

9. Concessions/sales tax form C/D shall not be issued by the department.
10. The installation shall be covered by the conditions that the whole installation or any part thereof found defective within guarantee period shall be replaced by the contractor free of charge in a reasonable time.
- (i) Prompt service during the guarantee period.
 - (ii) Attending to consequential damages in the equipments, material supplied and installed by the contractor.
11. After the work is completed, it shall be ensured that installation is tested and commissioned. The contractor shall give completion certificate given in appendix 'D' of CPWD specifications for electrical works Part-II external 1994.

12. POWER SUPPLY AND MATERIAL FOR ERECTION/TESTING OF EQUIPMENT.

The contractor shall make his own arrangement for temporary connection for power and water supply required for the execution of the equipment/testing as well as for the site office/godown/store/staff/labour. The charges for consumption of power/water shall be regularly paid by the contractor to the concerned authorities. Department will issue necessary certificate to enable the contractor to approach the concerned authorities for such connections on contractor's written request which shall be made well in advance.

13. INSPECTION BEFORE DESPATCH

All routine and type tests prescribed in relevant BIS specification shall be conducted before dispatch of equipment. No equipments shall be dispatch from the manufacturer premises without such tests being conducted and the test results recorded. These test certificates shall be given along with supply of equipment. The engineer in charge, if he so desires shall inspect and witness the pre-delivery test at manufacturers works. For this purpose, the contractor shall give 15 days advance information. Department shall bear the expenses for inspection.

14. INSURANCE

The contractor shall arrange storage cum erection insurance of all the equipment/materials till the commissioning and handing over of the same to the department. All insurance which the contractor is required to enter into under the contract shall be effected with Nationalized Insurance Co. and in terms of approved by the Engineer Incharge and the contractor shall submit the policies of insurance and the receipts of payments. The department will not be liable for any damages, losses and compensation payable at law in respect of or in consequence of any accident or injury to any person in the employment of the contractor.

15 REMEDY ON FAILURE TO INSURE

Incase the contractor fails to effect and keep in force the insurance referred to above, the department may effect and keep in force any such insurance and pay such premium as may be necessary for that purpose and from time deduct ~~them~~ amount to be paid by the ~~dear~~ department from any money due or which may become due to the contractor or recover as debt from the contractor.

16 GUARANTEE

The installation shall be covered by the Guarantee for a period of 12 months from the date of taking over of the installation by the department on the conditions that the whole installation or any part thereof found defective within the guarantee period shall be replaced by the contractor free of charge in a reasonable time except tubular lamp. The guarantee shall cover the following:-

Quality, strength and performance of the material and equipment used.

Electrical and mechanical strength of all parts of the equipment used.

Electrical and mechanical strength of all parts of the equipment used all specified conditions of the operations/satisfactory performance.

prompt service during the guarantee period.

Attending to consequential damages in the equipment and material supplied and installed by the contractor.

17 TEST REPORTS

Test report shall be furnished by the contractor in prescribed formats as required by the engineer incharge for obtaining electricity connection from BSES.

19 GENERAL

After satisfactory commissioning of installation, contractor shall depute maintenance, operational as well as watch & ward staff for trouble free functioning of the street lighting and other equipments for a period of 60 days till the installation are taken over by the department.

20 STEEL TUBULAR POLE

(X) Designation
HOSPC8 for installation

Steel tubular pole shall conform to IS 2713 (part-I to to part-3) 1980 amended upto date. This shall be swaged welded in three steps sections as per (X) the pole shall be completed with MS base plate and in built concealed connector box.

MS sleeve for cable entry, overhang, height of the overhang from the ground level, MS base plate, earthing studs be as given in the drawing. One sixth of the length of the pole plus 30 cm from its base shall be coated with black bituminous paint on both internally and externally. The remaining portion of the pole shall be painted with one coat of red oxide/zinc Chromate primer on the external, surface. After erection, pole shall be painted with two coats of approved shade of paint and marking shall be done as required by the engineer-in-charge.

4/-

- 21 No T&P shall be issued to contractor.
- 22 No extra charges shall be paid for digging required at site for laying of cable/pipe in pucca portion/ metal/rocky portion.
- 23 Installation shall be tested at site by contractor in the presence of Engineer-in-charge ~~to perform the~~ for which nothing extra shall be paid to the contractor.
- 24 Indian electricity rules shall be taken care during erection of poles.
- 25 During execution, the cable jointing, if any, required at site shall have to be done by providing jointing kit and other required material. No extra payment shall be made on this account.
- 26 Any injury to the staff/labour incase of any mishappening during duty hours will be ^{the} liability of contractor.

Wf
J.E. (T)

Dm
27/6/08
J.E. (T)

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Executive Engineer(E)/ED.5

GOVERNING SPECIFICATION IN RESPECT OF MATERIAL TO BE USED IN THE WORK

No.	Item	Governing specifications	Make/Manufacturer
1.	Swaged steel tubular pole	IS: 2713, part-I and Part-II	Welmount Sohanlal & Sons Friends Engineering Bajaj FABRICO(I)P.LTB conforming to relevant IS:
2.	Street light fitting	IS: 10322 part-I to V and Technical specification	Philips/Bajaj/Crompton Greaves/Schreder (Lamp Compartment-IP-66 & Gear compartment IP-54)
3.	HPSV lamp		Philips/Osram
4.	Capacitor and Ballast for control control gear compartment	IS: 1569 (for capacitor) IS: 6616 (for ballast)	As per standard fitments of manufacturer
5.	XLPE Al. Cond. Armoured cable 1.1KV grade	IS: 7098	Fort Gloster Industries Ltd. cable corporation of India Universal cable ECKO Skytone, NICCO, Grandlay
6.	PVC insulated coppercond. cable	IS: 694	Skyline, National, Plaza, ECKO with ISI mark
7.	Miniature circuit Breaker	IS: 8828	ISI marked legrand, standard Indocopp L&T Siemens (Breaking capacity 10KA C-series)
8.	GI pipe/GI earth pipe	IS: 1239	TATA/JINDAL/JTC with ISI mark
9.	DWC HDPE pipe	IS: 14930 pt.I&II	Rex/Duraline

Executive Engineer(E)/ED5

A. E. (P)