



NOTICE INVITING TENDER

For General Work

(E – TENDERING MODE)

Item rate tenders are invited on behalf of Delhi Development Authority from approved and eligible contractors of DDA & CPWD and those of enlisted contractors of appropriate class of MES, BSNL, Railway (strike out as the case may be) dealing with E/M works for the following work :-

Name of Work	:	M/O completed scheme of Nazul A/c-II under SWZ.
SH	:	Providing street lighting work in C.S.C. block B, Hastsal inside of DDA Flats.

- 1 The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.
- 2 The work is estimated to cost **Rs.2, 41,977/-** This estimate, however, is given merely as rough guide.
- 3 Intending tenderer is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority.
- 4 Agreement shall be drawn with successful tenderer on prescribed form attached. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
- 5 The time allowed for carrying out the work will be **30 days** from the date of start as defined in Schedule F or from the first date of handing over the site, Which ever is later, in accordance with the phasing, if any, indicated in the tender documents.
- 6 The site for the work is available or as specified in the additional conditions attached.

7 The tender document consisting of specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except standard general conditions of contract form can be seen from website www.tenderwizard.com/DDA or www.dda.org.in.

8 Earnest money and cost of tender shall be deposited through RTGS/NEFT in the account of **Sr. A.O., CAU (Dwarka) DDA** having account no. **1290300366** with **Central Bank Of India, Manglapuri, New Delhi** branch (IFSC code **CBIN0283498**). The unique transaction reference of RTGS/NEFT shall have to be uploaded by the tenderer in the e-tendering system by the prescribed date. The Executive Engineer concerned will get tender cost/earnest money verified from CAU based on the unique transaction reference number against from each RTGS/NEFT payment before the tenders are opened.

A Part of earnest money is acceptance in the form of bank guarantee also. Earnest Money up to Rs. 20.00 lacs will have to be deposited through RTGS/NEFT mode. If the amount of E.M. is more than Rs. 20.00 lacs then the amount of E.M. beyond Rs. 20.00 lacs can be deposited in the form of Bank Guarantee also. Such Bank guarantee is to be scanned and uploaded to the e-tendering website within the period of tender submission.

- Earnest money and cost of tender have to be deposited through separate transactions.

(i) Cost of Tender Document: **Rs.500.00 + DVAT @ 5%** (to be deposited through RTGS/NEFT in the account of the Sr. A.O. (CAU) of Dwarka.

(ii) E-Tendering Processing Fee: **Rs.562.00** (to be deposited through E-Mode of ITI Limited in favour of M/s ITI Limited payable at Delhi).

The unique transaction reference of RTGS/NEFT against EMD, Cost of Tender Document and Bank Guarantee shall be placed in single sealed envelope superscripted as “Earnest Money, Cost of Tender Documents” with name of work and due date of opening of the bid mentioned thereon and will submit to tender opening Authority by 03.06.2013

9 Copy of Enlistment Order and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of tender

submission and certified copy of each shall be deposited in a separate envelope marked as **"Other Documents"**.

10 Both the envelopes shall be placed in another envelope with due mention of Name of work, date & time of opening of tenders and to be submitted in the office of Executive Engineer during the period mentioned above.

11 Online tender documents submitted by intending bidders shall be opened only of those bidders, whose Earnest Money Deposit, Cost of Tender Document and e-Tender Processing Fee and other documents placed in the envelope are found in order.

The bid submitted shall be opened at 03:30 pm on _06.06.2013 .

12 The contractor, whose tender is accepted, will be required to furnish performance guarantee of 5 % (Five percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's Cheque of any scheduled bank/Demand draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1, 00,000) or Government securities or fixed Deposit Receipts or Guarantee Bonds of any Scheduled bank or the State Bank of India in accordance with the prescribed form.

13 Intending Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity, access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract document. Submission of a tender by tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant etc will be issued to

him by the government and local conditions and other factors having a bearing on the execution of the work.

- 14 The competent authority on behalf of DDA does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without assigning any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected
- 15 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
- 16 The competent authority on behalf of DDA reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 17 The contractor shall not be permitted to tender for works in the DDA Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives of any Gazetted officer in DDA or in the Ministry of Urban development. Any breach of this condition by the contractor would render him liable to be removed from approved list of contractors of this department.
- 18 No Engineer of Gazetted rank or other Gazetted officer employed in engineering or Administrative duties in an Engineering department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from the Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found anytime to be such a person who had not obtained the permission of the DDA as aforesaid before submission of the tender or engagement in the contractor's service.
- 19 The tender for the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tender/ninety days from the date of opening of financial bid(strike out as the case may be). If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any

modifications in the terms and conditions of tender which are not acceptable to the department, then the DDA shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re tendering process of the work.

20 This 'Notice Inviting Tender' shall form part of the contract document. The successful tenderer/contractor on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of :-

a) The Notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

b) Standard NIT Form 8 or other Standard DDA Form as mentioned.

21 In case any discrepancy is noticed between the document as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.

ITEM RATE TENDER AND CONTRACT FORM

(for general works)

Name of Work	:	M/O completed scheme of Nazul A/c-II under SWZ.
SH	:	Providing street lighting work in C.S.C. block B, Hastal inside of DDA Flats.

- i) To be submitted through E-Tendering up to 3.00 pm on ____*____ to Executive Engineer, Electrical Division No.-12
- ii) To be opened through E-Tendering at 3.30 pm on ____*____ by the Executive Engineer, Electrical Division No.-12

T E N D E R

I/ We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, special condition, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the DDA within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the clauses of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for ninety (90) days from the date of opening of financial bid and not to make any modifications in its terms & conditions.

A sum of **Rs.4,840/-** deposited in the account of Sr.A.O, CAU(Dwarka) DDA is hereby forwarded in form of UTR of RTGS / NEFT /Bank Guarantee beyond 20 Lacs issued by a scheduled bank as earnest money. If I/we, fail to furnish the prescribed performance

guarantee within prescribed period, I/We agree that the said DDA or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that DDA or its successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re tendering process of the work.

I/we hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/ confidential documents and shall not communicate information derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Signature of witness

Signature of contactor

Name:

Name:

Address:

Address:

Occupation:

A C C E P T A N C E

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the DDA for a sum of Rs. _____ * _____
(Rupees _____ * _____
_____)

The letters referred to below shall form part of this contract Agreement:

- i)
- ii)
- iii)

For & on behalf of Delhi Development Authority

Signature _____

Designation: Executive Engineer

Electrical Division No.-12

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR
e- TENDERING FORMING PART OF NIT AND TO BE POSTED ON
WEBSITE**

1. In case of e-tendering the entire NIT along with all necessary documents is to be uploaded which can be viewed by the intending bidder free of cost. Therefore, the existing form of Press Notice has been modified **since it is no more to be published in news papers** and named as information and instructions for Contractors which will form part of NIT and to be uploaded on ITI website.
2. Draft information and instructions for Contractors for e-tendering inviting open tenders is enclosed as Annexure - I. (for general work)
3. The Draft information and instructions for Contractors for e-tendering where tenders are to be invited on two bid system are enclosed as Annexure - II.(for specialized work)
4. The Draft information and instructions to Contractors may be modified suitably by NIT approving authority as per requirement.

For General Works

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

(Applicable for inviting open tenders)

The Executive Engineer (E), Electrical Division No. 12 on behalf of Delhi Development Authority invites online Item rate tenders from approved and eligible contractors of DDA, CPWD and those of enlisted contractors of appropriate class of M.E.S., BSNL, Railway for the following work.

NIT No.	:	02/EE/ED-12/DDA/2013-14
Name of Work	:	M/O completed scheme of Nazul A/c-II under SWZ.
Sub Head	:	Providing street lighting work in C.S.C. block B, Hastal inside of DDA Flats.
Estimated Cost put to tender	:	Rs.2,41,977/-
Earnest Money	:	Rs.4,840/-
Period of Completion	:	30 days
Date of Commencement of e-tender	:	21.05.2013
Last date & time of requisition of application of e-tender	:	29.05.2013 3.00 pm
Last date of submission of cost of tender, EMD & e-tender processing fee	:	31.05.2013 3.00 pm
Date of Pre-Bid	:	28.05.2013 12.00 NOON
Last date of scanning & uploading UTR of RTGS / NEFT against cost of tender, EMD & other documents	:	31.05.2013 3.00 pm
Last date & time for submission of e-tender		31.05.2013 3.00 pm
Last date & time for submission of certified hard copies of EMD, Cost of Tender Document , E-Tender processing Fee &	:	01.06.2013 3.00 pm

other Documents to Executive Engineer		
Time & date of Opening of tender.	:	05.06.2013 3.30 pm

- 1 The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen from website www.tenderwizard.com/DDA or www.dda.org.in free of cost.
- 2 The enlistment of the contractors should be valid on the last date of submission of tenders. In case only the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.
- 3 Those contractors not registered on the website mentioned above, are required to get registered beforehand. The intending bidder must have valid class-II digital signature to submit the bid.
- 4 Earnest money and cost of tender shall be deposited through RTGS/NEFT in the account of **Sr. A.O.,CAU(Dwarka)DDA having account no. 1290300366 with Central Bank Of India, Manglapuri, New Delhi branch (IFSC code CBIN0283498)**. The unique transaction reference of RTGS/NEFT shall have to be uploaded by the tenderer in the e-tendering system by the prescribed date. The Executive Engineer concerned will get tender cost/earnest money verified from CAU based on the unique transaction reference number against from each RTGS/NEFT payment before the tenders are opened.
A Part of earnest money is acceptance in the form of bank guarantee also. Earnest Money up to Rs. 20.00 lacs will have to be deposited through RTGS/NEFT mode. If the amount of E.M. is more than Rs. 20.00 lacs then the amount of E.M. beyond Rs. 20.00 lacs can be deposited in the form of Bank Guarantee also. Such Bank guarantee is to be scanned and uploaded to the e-tendering website within the period of tender submission.
 - Earnest money and cost of tender have to be deposited through separate transactions.
 - i) Cost of Tender Document: **Rs.500.00 + DVAT @ 5%** (to be deposited through RTGS/NEFT in the account of the Sr. A.O. (CAU) of Dwarka.
 - ii) E-Tendering Processing Fee: **Rs.562.00** /- (to be deposited through E-Mode of ITI Limited in favour of M/s ITI Limited payable at Delhi).

The unique transaction reference of RTGS/NEFT against EMD, Cost of Tender Document and Bank Guarantee shall be placed in single sealed envelope

superscripted as “Earnest Money, Cost of Tender Documents” with name of work and due date of opening of the bid mentioned thereon and will submit to tender opening Authority by...01.06.2013.

5. Copy of Enlistment Order and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of tender submission and certified copy of each shall be deposited in a separate envelope marked as "**Other Documents**".

Both the envelopes shall be placed in another envelope with due mention of Name of work, date & time of opening of tenders and to be submitted in the office of Executive Engineer during the period mentioned above.

- 6 Online tender documents submitted by intending bidders shall be opened only of those bidders, whose proof of submission of Earnest Money Deposit, Cost of Tender Document and e-Tender Processing Fee and other documents placed in one envelope (containing envelopes of (**Earnest Money, Cost of Tender Document & Other Documents**) have been submitted to EE and are found in order.

- 7 **List of Documents to be “scanned and uploaded” within the period of tender submission:**

- i) Enlistment Order of the Contractor.
- ii) Certificate of Registration for Sales Tax / VAT and Service Tax and acknowledgement of up to date filed return.



DELHI DEVELOPMENT AUTHORITY

Name of Work: - M/O completed scheme of Nazul A/c-II under SWZ.
SH : - Providing street lighting work in C.S.C. block B, Hastsal inside of DDA Flats.

SCHEDULE OF QUANTITIES

Estimated Cost:-2,41,977/-

S. No.	Description of Item	Qty	Unit	Rate	Rate in words	Amount
1	Supplying and fixing 65 mm dia 'B' class G.I. pole 6 mtr. long with G.I. coated base plate of size 300mm x 300mm x 10mm thick welded at bottom level having 4 Nos. holes of 22 mm dia for fixing on foundation bolt fixed in existing RCC foundation with suitable size nuts and washer i/c supplying and fixing suitable G.I. accessories for fixing Electrical fitting and welding of one no. earth stud of 10 mm dia (minimum) with suitable length. for earthing the pole, drilling of hole for entry of cables from control box complete with painting, numbering etc. as required.	7.00	set			
2	Construction of R.C.C. foundation of size for 450 mm x 450 mm x 1200 mm. deep with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone) alongwith 4 nos. 500 mm long "J" type 19 mm dia foundation bolts suitable for fixing on 4 Nos., 22 mm.dia holes to match with PCD of pole base plate for 4 mt. high G.I. pole i/c supplying & Fixing 2 Nos. suitable size templates, excavation of earth, Providing, cutting, bending & placing in position, reinforcement with 8 Nos cold furnished bars of 12 mm dia, 1200 mm (approx). each length and 8 Nos. reinforcement rings of cold twisted bars of 8 mm dia of suitable length with 100 mm. spacing (approx.) as required.	7.00	set			

3	Supply and & Fixing of 85 watt. CFL roadway lighting luminaries model no. BJS LF 85 RF CFL E-27 of Bajaj or equivalent make with 85 watt. CFL Lamp connection, testing etc. complete as reqd.	7.00	Each			
4	Supplying and drawing following sizes of FR PVC insulated copper conductor for single core cable in the existing surface / recessed steel / PVC conduit as required. a) 3 x 1.5 sq.mm	56.00	Mtr.			
5	Supplying of following size of XLPE insulated/Sheathed 1.1 KV Grade Al. cond. armoured power cable including testing etc. as required. (a) 2 x 16 sq. mm.	300.00	Mtr.			
	b) 2 x 25 sq. mm	50.00	Mtr.			
6	Laying of one No PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size up to 35 sq. mm in the existing RCC/Hume/Stoneware / Metal Pipe as reqd.	30.00	Mtr.			
7	Supply & Fixing of 32 mm dia x 1.5 mtr. Long G.I. pipe ('B' class) Bracket for mounting of 85 watt CFL fitting i/c bending of pipe to the required shape, S/F of 40 mm x 3 mm Flat Iron clamps with suitable size nuts, bolts & washers, painting etc. as reqd.	14.00	Each			
8	Providing & fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing alongwith existing surface/ recessed conduit/sub main wiring/ cable as required.	300.00	Mtr.			

9	Earthing with G.I. Earth pipe 4.5 Mtr long, 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt etc. as required.	2.00	set			
10	Providing and fixing 25 mm x 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode, i/c connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	6.00	Mtr.			
11	Providing and fixing 25 mm x 5 mm G.I. strip on surface or in recess for connection etc. as reqd.	6.00	Mtr.			
12	Supplying & laying of G.I. pipe 'B' class 50 mm dia for cable protection under road / pucca portion i/c cutting the road / pucca portion & making good the same as reqd.	30.00	Mtr.			

13	<p>Supply and fixing Hot Press moulded sheet Molding Compound Junction Box of nominal outside dimensions 230 mm (H) x 170 mm (W) x 105 mm (D) (all the corners of the box should be round & not pointed ones) suitable to mount on 65 mm dia GI Pole with following provisions / accessories mounted in box complete as required.</p> <p>(i) 2 Nos. clamps made out of 19 mm x 3 mm G.I. strip of suitable length for mounting box on pole.</p> <p>(ii) Water tight front cover with 2 Nos. stainless steel hinges & 2 Nos. screws for tightening & G.I. U- clamps for closing of cover along with ABS panel lock.</p> <p>(iii) 4 way , 220 V, 30 A dough moulded stainless steel terminal connector.</p> <p>(iv) 16 amp. moulded SMC rewired Kit-Kat -I no.</p> <p>(v) 76 mm dia hole at suitable location on rear wall for cable & wire entry.</p> <p>(vi) Earthing bolt M6 x 20 mm</p>	7.00	set			
14	<p>Supplying and making indoor end termination with brass compression gland & AL. lugs of following size of PVC insulated & PVC sheathed / XLPE aluminum cond. Cable of 1.1 KV grade as required.</p> <p>a) 2 x 16 sq. mm.</p>	14.00	Each			
	<p>b) 2 x 25 sq. mm</p>	4.00	Each			
15	<p>Laying of one No PVC insulated/ PVC sheathed/ XLPE power cable of 1.1 KV grade of size upto 35 sq. mm direct in ground i/c excavation sand cushioning, protective covering & re-filling the trench etc. as reqd.</p>	270.00	Mtr.			

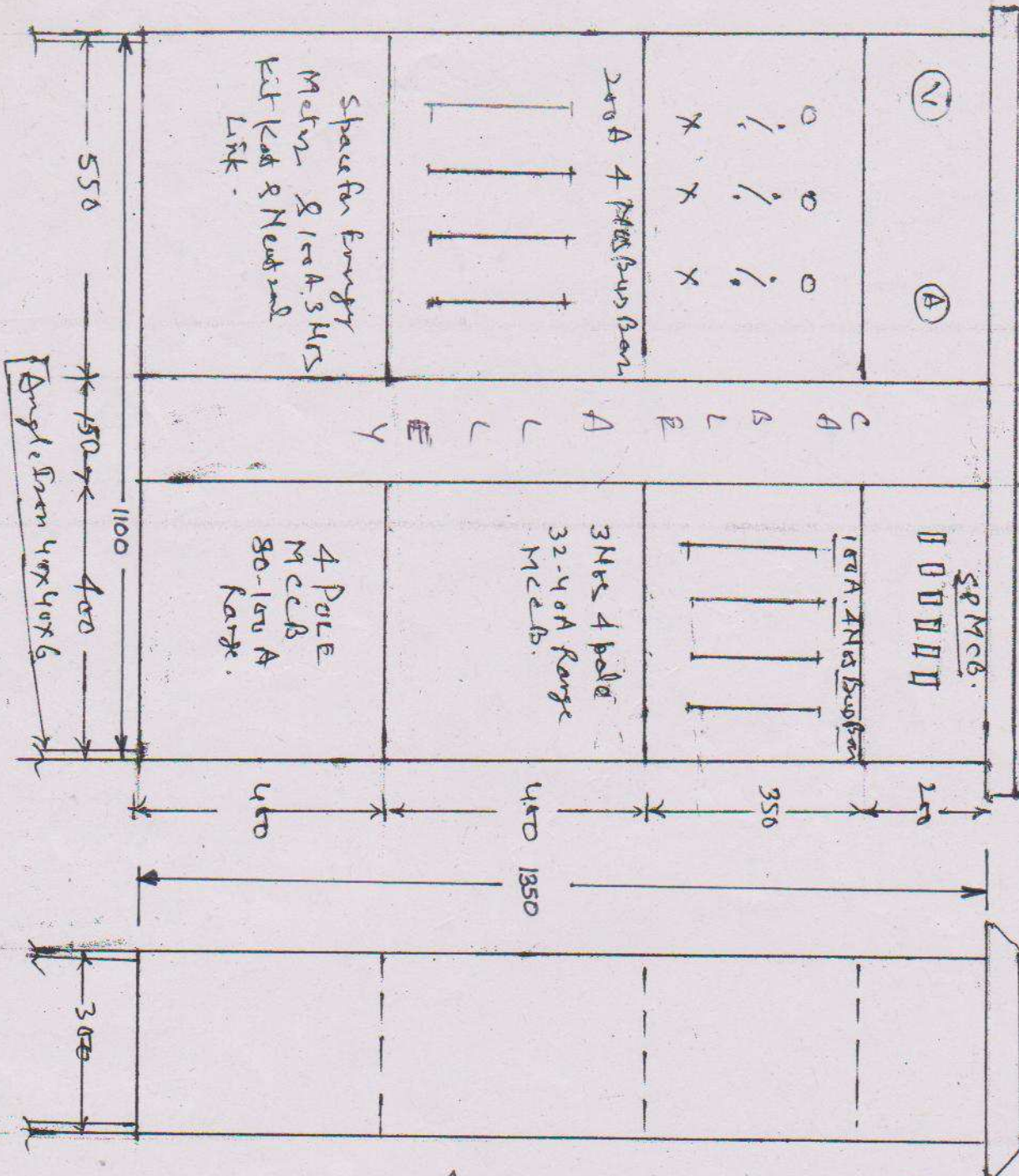
16	<p>Supplying & Fixing cubical out door type floor mounted feeder pillar of size 1050 mm x 900 mm x 300 mm deep made out of 1.6 mm thick M.S. sheet (as per drawing attached) including supplying and fixing of following accessories, welding of M.S. angle iron of size 40 mm x 40 mm x 6 mm x 1 mtr long (4 Nos.) with feeder pillar and grouted in the ground in 1:3:6 cc foundation and should be 0.7 mtr above the ground level, legs should be covered with brick wall i/c connection with suitable size of copper conductor cable interconnection, welding, painting, testing, commissioning etc. as required.</p> <p>a) Voltmeter 0-500 Volt with selector switch ----- 1 No. b) Ammeter 0-30 Amp square type. ----- 1 No. c) Indicating light set with fuses & switches ----- 1 set. d) Single phase preventer ----- 1 No. e) DOL starter for 5/7.5 HP ----- 1 No. f) 63 Amps. 4 Pole MCCB (63-80 A Range) ----- 1No. g) 32 Amps. TP-MCB ----- 2No. h) 32 Amps. TPN-MCB ----- 1 No. i) 10/16 Amps. SP MCB ----- 6 No. j) 100 amp 4 strip aluminum bus bar suitable size ----- 2 set k) Capacitor 3 KVAR ----- 1 No. l) Timer suitable for 24 Hour operation -----1 No. m) Danger notice plate aluminum 2 mm thick -----2 No.</p>	1.00	set		
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17	<p>Supplying & Fixing cubical out door type floor mounted main feeder pillar of size 1100 mm x 1350 mm x 300 mm deep made of 1.6 mm thick M.S. sheet including supplying and fixing of following accessories, welding of M.S. angle iron of size 40 mm x 40 mm x 6 mm x 1 mtr long (4 Nos.) with feeder pillar and grouted in the ground in 1:3:6 cc foundation and should be 0.7 mtr above the ground level, legs should be covered with brick wall i/c connection with suitable size of copper conductor cable interconnection, welding, painting, testing, commissioning etc. as required.</p> <p>a) 2 pole 32 SP & N -----1 No b) 100 Ampr. 4 strips aluminum bus bar -----1 Set c) Indicating light set with fuses & switches ----- 1 Set d) 10/16 Amps. SP MCB ----- 7 No. e) 100 mm thick Bakelite sheet with 100 A-3 Nos. f) kit kat & neutral link ----- 1 set. gj) Danger notice plate aluminum 2 mm thick ----- 2 No. h) space for energy meter ----- 1No</p>	1.00	set		
18	<p>Providing & laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.</p>	15.00	Mtr.		

ADDITIONAL CONDITION

1. After the award of work the contractor shall produce samples of all material to be used in the work for approval of Engineer-in-charge. Only material conforming to approved samples shall be used in the work. The decision of Engineer-in-charge regarding make of material shall be final and binding on the contractor.
2. The work shall be carried out as per the following specifications.
 - (i) CPWD specifications for Electrical works at Delhi part I (Internal) 2005 and part II (External) 1994 with correction slips up to the date of tender.
 - (ii) Indian Electricity Rules 2005 as amended upto date.
3. A table indicating the makes, the governing specifications and other details in respect some of the important materials to be used in the work is attached.
4. Only material bearing ISI/BIS certification mark shall be used in the work, where articles of different design / make bearing ISI / BIS certification are available the decision of Engineer-in-charge about the design / make to be used in work shall be final / binding on the contractor.
5. In case of material being ISI/BIS certification is not available the material shall confirm to relevant BIS specifications.
6. In case BIS specifications are not available for any material the decision of Engineer-in-charge regarding quality shall be final and binding on the contractor.
7. Whenever required by Engineer-in-charge, the contractor shall supply for the purpose of testing of samples of any materials proposed to be used in work and suitable package to contain the samples shall be provided free of charge by the contractor. The testing charges if any shall be borne by the department.
8. 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 specification for any item are not available the decision of Engineer-in-charge shall be final.
9. Embedding of earth electrode and its testing shall be carried out in the presence of Engineer –in- charge or his authorized representative.
10. The contractor shall be responsible for watch & ward of electrical installations and all fittings till the work is fully completed and handed over to the department, no claim on this account shall be entertained.
11. The rates quoted by the tenderer shall be firm and shall be inclusive of all taxes. Duties, levies, transportation charges / cartage etc. concessional sales tax for C/D shall not be issued by the department.
12. No T&P shall be issued to the contractor by the department.
13. The contractor shall submit a guarantee for a period of 12 months from the date of completion of work of successful working of all items executed under this contract on a non judicial stamp paper worth Rs.50/-.
14. The control /junction box for control of lighting luminaries shall be fixed at suitable height on the existing poles as decided by Engineer-in-charge in view of overhead system and safety of the control box. Necessary holes in existing pole wherever required shall be made by the contractor free of cost nothing shall be paid extra.
15. The control /junction box, the pole & the lighting luminaries shall be suitable earthed.
16. The contractor shall have to use 'FLY ASH BRICKS' for cable coverings while laying of cable in trench instead of conventional bricks.
17. The contractor shall take all safety measurement during execution of work and shall be fully responsible in case of any injury / accident / mishappening to any person / staff during the execution of work.
18. The earthing main hole cover with its enclosure shall be of RCC.
19. All the connection of cable/wires shall be done with proper size of thimbles/bottle thimbles for which nothing extra shall be used.
20. The suitable size of DWC pipe will be laid for incoming & outgoing cables in the foundation of poles for which nothing extra shall be paid.
21. The total time for execution of the work shall be 2 months.

**EXECUTIVE ENGINEER
ELECT. DIV.12/D.D.A**



NOTE -
 1. Scale Not to Scale
 2. Dimensions and in

Signature
 Date 15/11/12
 PEI/EO-12 SE (B)

1. ADDIMENSIONS ARE
2. DRAWING NOT TO

AE-1/BD-12 JE (EJM)

TABLE INDICATING GOVERNING SPECIFICATION AND MAKES IN RESPECT OF SOME OF THE IMPORTANT MATERIALS TO BE USED IN THE WORK

S. NO	ITEM	<u>GOVERNING SPECIFICATIONS</u>	REMARKS / MAKES
1.	G.I. PIPE	IS : 1239	JINDAL (HISSAR) / SURYA /TATA
2.	XLPE ALUMINUM CONDUCTOR 1.1 KV GRADE POWER CABLE	IS : 7098 (Pt-I)	ASIAN CABLE / UNISTAR / ECKO / SKYTONE / HAVEALLS
3.	PVC INSULATED FRLS COPPER CONDUCTOR WIRE	IS : 694	SKYTONE / NATIONAL / ECKO / HAVELLS
4.	85 WATT. CFL LAMP		PHILIPS / BAJAJ / OSRAM/ Surya
5.	85 WATT. CFL ROADWAY LIGHTING LUMINARIES		PHILIPS / BAJAJ / OSRAM/ Surya
6.	MCB	IS : 8828	STANDARD / L&T / INDO-KOPP / ACTION / LEGRAND / HAVELLS
7.	MCCB	IS: 13947	L&T /SIEMENS/ ALSTOM(Areva)
8.	PAINT (ENAMEL / ALUMINUM)	--	BERGER / NEROLAC / ASIAN / DULUX
9.	TIME SWITCH AND CONTACTOR	--	L&T, GE, SIEMENS
10.	KIT KAT	--	STANDARD / HAVELLS
11.	PANEL BOARD	----	SHALL BE FABRICATED AS PER APPROVAL OF ENGINEER IN CHARGE.
12.	DWC PIPE	IS : 14930 Part-II	REX/DUROLIN/GEMINI/MODIINTERNATIONAL/TIRUPATI PLASTOMATICS