

**OFFICE OF THE SUPERINTENDING ENGINEER (E)
ELECTRICAL CIRCLE-3, DDA, VIKAS MINAR,
NEW DELHI.**

No. F68(9)pt.II/EE(P)/EC3/DDA/2015-16/ 05

Dt 20.01.2016

MINUTES OF MEETING

Name of work:- M/o Various scheme under N.A.-II, East Zone.

SH- S/I/T/C of street lights at Goashala road in front & back side of container Depot at Gazipur.

NIT No. 34/EE/ELD-1/DDA/2015-16

Estimated cost:- ₹ 48,98,360/-

Pre-bid meeting was held for the above work on 20.01.2016 at 12:30 PM in the chamber of SE (Elect.)-3 wherein following officers of DDA were present.

- | | |
|------------------------------------|----------|
| 5. Sh. P.K. Solanki, SE (Elect.)-3 | In Chair |
| 6. Sh. M.C Saxena, EE(E)Plg./EC-3 | |
| 7. Sh. Bhagwan Singh EE(E)/ELD-1 | |
| 8. Sh. S. K. Garg, AE(E)/ELD-1 | |

Name of Contractor-


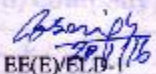
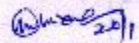

4. Sh Anil Goel , M/s Goel Electricals
5. Sh Nikhil Kalani, M/s N.K.Engg. works
6. Sh Saranbir Singh, M/s Bajaj Electricals

After due deliberation & discussion, during the meeting the following changes have been decided.

6. Outer diameter of the single arm bracket shall be suitable for fixing the LED fitting instead of 60.3 mm Dia mentioned in the drawing of NIT.
7. On the request of contractors in the pre-bid meeting, in the list of approved makes, the makes of LED street light fitting shall be reads as:-Phillips/ Schroder/ Osram/ Surya/Crompton/Bajaj instead of Phillips/Schroder/Osram/Surya/Crompton mentioned in NIT.
8. In the technical specification at Sr.No. 2 (i), the lumens/watt. (System Efficacy) as per LM 79 report (luminaire Efficacy) shall be more than 100 lumens/watt. instead of ≥ 85 lumens/watt.
9. In the technical specification at Sr. No. 2 (ii), Surge protection shall be read as 4 KV internal/10 KV using external configuration protection instead of 4 KVA internal/10 KVA using external configuration protection.

10. In the schedule of work, item no5.02 of HDPE pipe shall be read as 110 mm outer dia nominal size instead of 120 mm outer dia nominal size.

This letter shall be part of the tender. Therefore, this letter duly stamped and signed by the tenderers in lieu of their acceptance, shall be submitted by all tenderers failing which their tenders will not be opened. This MOM shall be uploaded by EE/ELD-1 to DDA website.

S. No.	Designation / Name / Email	Phone No.	Signature
	AE(E)/ELD-1		
	EE(E)/ELD		
	EE(E)/Plg./EC-3		
			

Copy to:-

- ✓ 1. EE/ELD-1/DDA.
2. M/s N.K. Engineering Works.
3. M/s Bajaj Electricals.
4. M/s Goel Eletricals.
5. Office copy.

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ADDITIONAL TERMS AND CONDITIONS

General Works

1. GENERAL

- 1.1 The contractor must get acquainted with the proposed site for the work and study specifications, conditions and drawings carefully. The work shall be executed in close coordination with the progress of building work.
- 1.2 The work, as indicated in the schedule of work with specification attached herewith including any modification/addition/alteration ordered subsequently, shall be carried out as per the specification indicated below and in the following order of preference.
 - i) Indian Electricity rules 2005 amended up to date.
 - ii) Technical specifications attached.
 - iii) Relevant BIS standards as modified up to date.
 - iv) General specifications for Electrical works Part I & II.
- 1.3 In case of any conflict - the schedule of work, additional terms and conditions, standard specification & clauses of agreement shall prevail in the preceding order
- 1.4 All equipments shall be delivered with (i) manufacturer's test certificate, (ii) manufacturer's technical catalogues, and instruction (O&M) manuals.
- 1.5 Scaffolding & any other T & P required for execution of work shall be arranged by the tenderers.
- 1.6 For item/equipment requiring initial inspection at manufacturer's works, the contractor will intimate the date of testing of equipments at the manufacturer's works before dispatch. The successful tenderer shall give sufficient advance notice regarding the dates proposed or such tests to the department's representatives to facilitate his presence during testing. The Engineer-in-Charge at his discretion may witness such testing. Equipments will be inspected at the Manufacturer/Authorized Dealers premises, before dispatch to the site by the contractor. The department also reserves the right to inspect the fabrication job at factory and the successful tenderer has to make the arrangements for the same.

2. SCOPE OF WORK

The following shall be deemed to be included within the scope of work for which nothing shall be paid extra.

i) Cutting of pukka portion for laying of DWC pipe.

ii) Responsibility to ensure safety of materials against pilferage and damage till the installation are handed over to the department.

3. SUBMISSION AND OPENING OF TENDER

3.1 Pre-Bid Conference It is proposed to hold a pre-bid conference with the prospective tenderer to enable them to seek clarification in the technical specification & in tender document that they may consider necessary for submission of tenders . All clarification sought for will be finalized during the per-bid conference and confirmatory minutes for the pre-bid conference will be circulated among all tenderers who have been issued the tender documents. The date and time of pre-be conference will be informed to the tenderers at the time of issue of the tenders. It is up to the prospective tenderer to take part in the pre-bid conference. Non attendance of pre bid conference does not debar the prospective tenderer from participating and submission of tender.

3.2 The tenderer are advised not to deviate from the technical specifications / item, commercial terms and conditions of NIT like terms of payment, guarantee, inspection, arbitration clause, escalation etc.

4. INSPECTION BEFORE DISPATCH

All routine tests shall be conducted before dispatch of equipments. No. equipment shall be dispatched from the manufacture's premises without such tests being conducted and test result recorded. These test certificates shall be given along with the supply of equipments. The Engineer-in-Charge shall, if he so desires inspect and witness the pre-delivery tests. For this purpose, the contractor shall give 15 days' advance information. Agency shall arrange for inspection by the department. Department shall bear expenses for inspection as far as traveling and boarding/lodging is concerned. However, waiver if any for inspection shall be at the discretion of the department without any cost implication but TYPE TEST Certificate shall have to be submitted for equipments.

Prior to dispatch, all equipment shall be adequately protect for the whole period of transit, storage and erection against corrosion and incidental damaged etc. from the effect of vermin, sun light, rain, heat and humid climate.

5. INSURANCE

The contractor shall include storage cum erection including third party insurance right from the storage to commissioning of various equipment. All insurance which the contractor is required to inter into under the contract shall be effect with any authorized general insurance company and the contractor shall produce the policies of insurance.

6. REMEDY OF FAILURE TO INSURE

If the contractor fails to effect the keep in force the insurance referred to in the preceding sub-clause, 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 to time deduct the amount, so paid by the department, from any money due or which may become due to successful tenderer or recover the same as debit from the successful tenderer bill.

7. SUPPLY OF MATERIAL

Supply of material shall be phased in such a manner that erection work is not hampered for want of material.

- i) All tools and tackles required for unloading of equipment and erection at site shall be the responsibility of sub-contractor.
- ii) The acceptable makes of various equipments/components/ accessories have been indicated. The alternative makes are not acceptable. Other than these the materials to be used in the site of works shall be ISI marked, where material bearing ISI marked, are not available, material conforming to ISI shall be used with prior approval of the Engineer In-charge.
- iii) Suitable and open storage accommodation shall be provided by the department free of cost to the agency. However, temporary structure if any required by the contractor for safe and lockable storage of material shall be allowed at his own cost.

- iv) The department will not be liable for any damage, losses and compensation payable at law in respect of or in consequence of any accident or injury to any person.

Schedule of procurement of material/equipment shall be submitted by successful tenderer within 15 days from the date of award of work. Procurement of material shall be as per the approval of Engineer- in-charge.

8. QUALITY OF MATERIAL AND WORKMANSHIP

All parts of the equipment shall be of such design, size and material so as to function satisfactorily under all rated conditions of operation. All components of the equipments shall have adequate factor of safety. The work of fabrication and assembly shall conform to sound engineering practice and on the basis of "Fail Safe Design". The mechanical parts subject to wear and tear shall be easily replaceable type. The construction of the equipments shall be such as to facilitate easy operation, inspection, maintenance and repairs. All connections and contacts shall be designed to minimize risk of accidental short circuits caused by animals, birds and vermin etc. All identical items and their component parts should be completely, interchangeable including spare parts.

9. INSPECTION AND TESTING AT SITE

- i) The installation shall be subject to necessary inspection during every stage of erection, by the Engineer In-charge or his authorized representative. The successful tenderer shall provide all facilities and assistance for the purpose.
- ii) The completed installation shall be inspected and tested by the Engineer-in-charge in the manner as will be laid down by him, in consultation with the contractor.
- iii) All instruments and facilities necessary for the tests shall be provided by the contractor.

10. COMPLETENESS OF TENDER

All fittings, equipments, accessories, hardware, foundation bolts, terminal lugs for electric connections, cable glands and items which are necessary for efficient assembly, shall deemed to have been included in the scope of work. The installation shall be completed in all details even where such details have not been mentioned in these specifications.

11. GUARANTEE

All equipments shall be guaranteed for a period of 12 months from the date of acceptance and taking over of the installation by the Department against un-satisfactory performance and/or breakdown due

to defective design, material, manufacture, workmanship or installation. The equipment or component or any part thereof so found defective during the guarantee period shall be repaired or replaced free of cost to the satisfaction of the Engineer in-charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of Engineer-in-charge in this regard shall be final.

12. PAYMENT TERMS:

The Following percentage of contract rate shall be payable against the stages of work shown herein. Deduction/release of security deposit shall be as per standard relevant clause.

S. No.	Stage of Work	Pole, Fitting, Feeder Pillar, Cable	All other items
1.	After initial inspection (wherever specified) and delivery at site in good condition on pro rata basis.	85%	75%
2.	After completion of installation in all respect.	10%	20%
3.	After testing commissioning trial run and handing over	5%	5%

13. COMPLETION PLAN & DATA:

- i) The contractor shall give three copies of **completion plans** & data as per details below within one month after actual date of completion failing which an amount @ 2.5% of tendered cost subject to maximum of Rs.15,000/- shall be deducted from any amount due to the contractor.
- ii) The contractor shall submit **completion certificate** as per Appendix -E of the General Specification for Electrical Works Part-1 (Internal) within one month after actual date of completion failing which an amount @ 1% of tendered cost subject to maximum of Rs.10,000/- shall be deducted from any amount due to the contractor.

14. Security / Safety of installation shall be the responsibility of agency.

