

DELHI URBAN SHELTER IMPROVEMENT BOARD
GOVT. OF NCT OF DELHI
OFFICE OF THE EXECUTIVE ENGINEER, E-2
1, KILOKARI, RING ROAD, NEW DELHI -14

File No. 06/EE/E-2/DUSIB/2023-24/D-106

Dated: 14/8/23

NOTICE INVITING BIDS FOR THIRD PARTY INSPECTION / QUALITY ASSURANCE SERVICES

The Executive Engineer, Electrical Division-2, Plot No.1 Kilokari, Ring Road, New Delhi-110014 invites, on behalf of CEO DUSIB sealed offers under Single Bid system from the following agencies / institutes:

1. Delhi Technical University (DTU)
2. National Institute of Technology (NIT), Delhi
3. Netaji Subhas University of Technology (NSUT), Delhi
4. Jamia Millia Islamia University, Delhi
5. WAPCOS Limited.
6. Engineers India Ltd.
7. RITES Ltd.
8. IIT Delhi
9. DSEU, Delhi
10. IGDTUW, Delhi
11. GGSIPU, Delhi

For the following work:

Sub Head: Providing of Internal Electrification & other allied accessories in community facility centre/ Bal miki chaupal at L-Block, Dakshinpuri, Dr Ambedkar Nagar. (Delhi AC Constituency Number - 48). Sub Head:- Third party inspection/Quality assurance service

Tendered cost of Work : Rs 6,61,807.00only

Tentative time period for execution of work	:	02 Months or till completion of work by executing agency
Time and date of receipt of bid-documents	:	Upto 15:00 Hrs on 28.08.2023
Time and date of opening of financial bids	:	15:30 Hrs on 28.08.2023
Place of submission	:	DELHI URBAN SHELTER IMPROVEMENT BOARD GOVT. OF NCT OF DELHI OFFICE OF THE EXECUTIVE ENGINEER, E-2, PLOT No.1, KILOKARI, RING ROAD, NEW DELHI -14


Executive Engineer/E-2
DUSIB
Plot No.1, Kilokari, Ring Road
New Delhi-110014

Mahesh
17/8/23
30/8/23

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Executive Engineer/E-2
DUSIB
Plot No.1 ,Kilokari ,Ring Road
New Delhi-110014

INSTRUCTIONS TO BIDDERS

1. Sealed offers under Single Bid system in the prescribed forms are invited, from following agencies / institutes for providing the Third Party Inspection / Quality Assurance Services listed under the scope of services in this bid document:
 - a. Delhi Technical University (DTU)
 - b. National Institute of Technology (NIT), Delhi
 - c. Netaji Subhas University of Technology (NSUT), Delhi
 - d. Jamia Millia Islamia University , Delhi
 - e. WAPCOS Limited.
 - f. Engineers India Ltd.
 - g. RITES Ltd.
 - h. IIT Delhi
 - i. DSEU, Delhi
 - j. IGDTUW, Delhi
 - k. GGSIPU, Delhi

2. The formats for financial proposal submission are enclosed in this document in Appendix-I to help the bidders in submission of offers.

3. **Language of bids**
All information in the bid shall be in English.

4. **Signature of bidder**
An authorized person must sign the bid with seal of the organization. Significant evidence of authority of the person signing on behalf of the bidder shall be furnished with the bid.

5. **Preliminary Costs.**
All costs of preparing the proposals, providing services efficiently including site visits, testing of material in his presence, all consumables etc. shall be borne by the bidder.

6. **Price Bids**
The bidders are required to quote lump sum fee for the item of schedule of quantity inclusive of all prevailing taxes, levies for the Third Party Inspection / Quality Assurance services in the prescribed format given in Appendix-I.

7. **Duties and Taxes**
No claim on account of any duties, taxes, and other levies payable by the bidders in respect of the transaction between the bidders and sub-Consultant/ other agencies will be entertained by DUSIB.

8. **Validity**
The offer shall remain valid for a period of seventy five days (75) days from the last date of receipt of bid. The overall offer including personnel proposed for the assignment as well as quoted fees shall remain unchanged during period of validity.

9.

Submission of Bids

Proposals should be submitted in Single sealed Envelope namely 'Financial Bid'

'Financial Bid' for "C/o Providing of Internal Electrification & other allied accessories in community facility centre/ Bal miki chaupal at L-Block, Dakshinpuri, Dr Ambedkar Nagar. (Delhi AC Constituency Number - 48)." Sub Head:- Third party inspection/Quality assurance service

The above envelope should be addressed to the **Executive Engineer/E-2, DUSIB, Plot No.1, Kilokari, Ring Road, New Delhi-110014**

Bid can also be seen online on the website Tender Notice Information System website <https://delhishelterboard.in>

10. The financial bid as per Appendix-I, should include the cost of all the works and other additional activities as felt necessary by the department for completing the job. The price bid shall also include the cost of all visits made by Third Party Inspection Agency (TPIA) to site of work. The cost of office expenses, stationary, travelling, attending meeting and related expenses shall be deemed to be included in the financial bid. **The quoted fee will be for providing Third Party Inspection/Quality assurance services till actual date of completion of whole project and this quoted fee shall not be increased due to time and cost over-run of main project.**
11. Award of Contract – The contract for TPIA shall be awarded to the Lowest best qualified and responsible Bidder offering the bid in conformity with the requirements of these specifications and documents and the competent authority shall be the sole judge in this regard.
12. The duly filled offer documents shall submit the same by hand delivery in the tender box of O/o the Executive Engineer/E-2, Plot No. 1 Kilokari, Ring Road, New Delhi - 110014.
13. If there is any contradiction in provisions of these tender documents with that of contract of executing agency, the provisions of the contract with the executing agency, shall prevail and any matter/ dispute in this regard shall be decided by C.E DUSIB whose decision shall be final.
14. Offers received after the deadline of submission will not be accepted and shall be returned to the bidder unopened.
15. Execution of formal agreement after acceptance of quotation: The TPIA whose bid is approved for acceptance shall within 15 days of issuance of letter of Commencement to him/her, needs to execute a 'Formal Agreement' with the Executive Engineer.
16. Dispute & Arbitration: In the event of any question, dispute or difference arising under this contract, the same shall be referred to the sole arbitration.

TERMS OF REFERENCE

1.0 PROJECT DESCRIPTION:

The proposed work shall consist of Providing of Internal Electrification & other allied accessories in community facility centre/ Bal miki chaupal at L-Block, Dakshinpuri, Dr Ambedkar Nagar. (Delhi AC Constituency Number - 48). Sub Head:- Third party inspection/Quality assurance service.

2.0 PURPOSE

The agency has to ensure that the executing and implementing agencies have taken adequate and proper steps to ensure control of quality and have evolved a proper quality assurance plan and the work is being executed accordingly. It has to be further ensured by the agency that the work is being carried out as per Contract specification and relevant BIS specifications by deputing skilled and experienced Engineers who are experts in individual fields.

The Technical Specifications applicable to the project provide for Quality Assurance and Quality Control of the work executed by use of a Quality Management System (QMS). The basic concept of this process is that the contractor performs inspection & testing as per specifications to ensure a quality product and the Third Party Inspection Agency (TPIA) performs testing and Inspection to ensure that the Contractor's Quality Control test results are in order. The system requires that both the contractor and the TPIA have technical personnel who are competent in testing and inspection of all technical works. The general idea is that the contractor has to perform the necessary tests and inspection to ensure the likelihood that all works in his scope meet the specifications instead of "after the fact" testing to see if all works meets the specifications. This approach enables the contractor much more control over his operations. He is responsible for his product from the beginning to the end till the final acceptance of all the works. The TPIA monitors his process of testing to make sure that what he is doing is adequate and accurate. Ensuring production of a quality work of durability and uniform performance by a Contractor is the most important aspect of the quality supervision assignment of a TPIA.

3.0 TERMINOLOGY

Quality is defined as "The totality of characteristics of an entity that bears on its ability to satisfy the stated and implied need". Quality Control is defined as the procedure adopted and controls exercised to ensure that the materials proposed to be used in production, process adopted for production and workmanships of production conform to the prescribed standards and laid down acceptance criteria. The quality control is exercised by agency that ensures that the defined objective is achieved through appropriate tests, checks and inspections by suitable qualified personnel. Furthermore, the objective evidences of all tests, checks and inspections carried out from time to time are documented in prescribed formats for reference and record.

Quality Assurance of a work is defined as a process which exercises various checks at different stages of a work right from its inception till its acceptance, to put it in service to ensure that the work has been properly designed and constructed as per approved designs, drawings and specifications.

Confirmatory Testing is defined as the sampling and testing which is carried out independent of quality control sampling and testing to confirm that the contractor's results which have been reported are correct and representative, with statistical parameters of the material being produced/processed.

Acceptance is defined as those operations, inspections, sampling and accepting the tests that are

conducted to determine whether the product or service will be accepted for use and payment. Acceptance is determined using a statistically based acceptance plan with assurance that the contractor has fulfilled the quality control obligations. Acceptance is the responsibility of the client.

4.0 DOCUMENTS TO BE REFERRED

- (a) Tender specifications and IS Codes.
- (b) Upto date CPWD Specifications.
- (c) Upto date Quality Assurance circulars issued by CPWD from time to time.
- (d) Any other document as deemed fit by TPIA/Engineer-in-Charge.

5.0 SCOPE OF SERVICES

1. Preparation of Quality Assurance / Inspection Plan as per Tender Specifications. This will include
 - (a) Testing Plan of Raw materials.
 - (b) Testing & Inspection Plan of activities.
 - (c) Creating Testing and Inspection Formats.
2. Assisting DUSIB in developing its Quality Assurance / Inspection Plan.
3. **Review of Manufacturer's Certificates/ Test results from outside approved laboratory for all bought out items.**
4. TPIA will witness all the field-testing carried out by agency as per the requirement of standard codes and will review all the concerned reports and records regularly.
5. TPIA will also randomly check the workmanship & methods adopted for completing the activities of work by agency and any shortcoming will be informed by the TPIA for rectification.
6. Random sampling of materials for testing to be done by TPIA shall be done in such a way that it represents the whole work. The samples shall be collected in presence of representatives of agency as well as Engineer-in- Charge.
7. TPIA will witness calibration of all field laboratory equipments.
8. For testing of construction materials at field laboratory & outside laboratory, the sampling of materials shall be done jointly by TPQA & executing agency's authorized Representative.
9. Samples for outside testing shall be sealed by TPQA and forwarding letter shall be given to the executing agency who will carry the sample and send it to the laboratory as approved by TPQA.
10. The 3rd party shall give its recommendations w.r.t the discrepancies found at the time of inspection & the corrective measures remedies so that the discrepancies can be rectified /re-done.
11. The 3rd party agency shall thereafter submit complete and comprehensive inspection Report within 10days of the inspection to concerned SE & EE and a copy to SE(QC). No report will be handed over to the contractor by the 3rd party directly in order to maintain secrecy and all communication will be restricted to DUSIB officials only.
12. All 3rd party agencies shall from time to time review the system & procedure for continuous improvements and to review errors, if any. The 3rd party agencies shall also from time to time ascertain complete transparency to maintain accuracy / credibility and reliability.

13. The 3rd party shall also give technical advisory and suggestions during the progress completion of the work.
14. The 3rd party inspection agency after receipt of the work order shall contact the concerned EE within 3 days and work out the modalities and start checking the work immediately thereafter. Any constraints / hindrances in taking of the inspection, if any shall be brought to the notice of concerned SE/CE.
15. SE concern shall examine the report of 3rd party agency and shall submit the ATR of each work to concerned Chief Engineer, 3rd party as well as to the SE(QC).
16. If the agency discontinues the work DUSIB shall be at liberty to terminate the contract.
17. Mechanical/ Electrical Engineers of TPIA will be present at site for needful checking the quality during execution of related activities at site and as per direction of Engineer-in-Charge.
18. One suitably qualified engineer of TPIA, as approved by Engineer-in-Charge will always be available at site or contractor's laboratory during currency of work. Senior representatives of TPIA will also visit the site regularly at least every fortnight and as and when directed by Engineer-in-Charge.

After review of test report and analysis of inspection, observations will be made and communicated to the contractor/ DUSIB and to take necessary action for rectification/ modification (if required).

TPIA shall generate report for tests and inspections carried out by TPIA and submit it to DUSIB.

Department will nominate a Coordinating officer for interaction with TPIA and the contractors.

Executing Agency will hand over documents, Specifications/Manufacturer's instructions for TPIA.

TPIA agency shall also inspect all the deviation items, extra items and substitute items as per routine manner.

TPQA shall check and confirm the quality of the work after verifying the removal of defects, if any pointed out during inspections.

If, it is observed by TPQA that defects pointed out are not removed by executing agency, this matter shall be reported immediately to the DUSIB for necessary action in the matter as per agreement clause.

6.0 Payment Schedule:

- a. 100% of the total fees shall be paid after actual completion of execution work and final report submitted by TPIA.

7.0 Responsibility for accuracy of TPIA services provided

The TPIA shall be responsible for accuracy of services provided by them for the project. They shall indemnify the department through the Security Deposit to be deducted as per this agreement against any action arising out of such inaccuracies in the work which might surface at any time at a later date of implementation of the project. The work of TPIA shall be completed once the project is complete and final report has been submitted.

1. Action for Deficiency in Services

1.1 Consultant liability towards the Client

TPIA Consultant shall be liable to indemnify the Client for any direct loss or damage accrued or likely to accrue due to deficiency in service rendered by them which shall include any or all cost and expenses incurred by the Client in removing the deficiency in Service including engaging any other consultant.

2. Effect of change in the scope of the work on TPIA consultancy fee.

No extra payment shall be made due to delay in completion of main project.

APPENDIX -I

FINANCIAL BID

FINANCIAL PROPOSAL

To,
Executive Engineer/E-2/DUSIB
Plot No.1 Kilokari, Ring Road, New Delhi-110014

“Providing of Internal Electrification & other allied accessories in community facility centre/ Bal miki chaupal at L-Block, Dakshinpuri, Dr Ambedkar Nagar. (Delhi AC Constituency Number - 48)”. SH :Third Party inspection/ Quality assurance service”

Sir: I/We _____ TPIA herewith
Enclose financial bid for the evaluation of our agency /institute as TPIA for above work as per the
scope of work given under terms of reference.

Yours faithfully,

Signature _____
(authorized Representative of the TPIA)
Full Name _____
Designation _____
Address _____
Tele Nos: (O) _____ (R) _____
E-mail: _____
Fax No: _____

SCHEDULE OF WORK

Sr. No.	Description	Qty	Unit
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	98	Each
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.		
2.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	245	Meter
2.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	180	Meter
2.3	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	50	Meter
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	16	Each
4	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10kA "C" curve, miniature circuit breaker suitable for inductive load of Single poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	34	Each
5	Supplying and fixing 63 A rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1	Each
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) (DSR-2018)		
6.1	8 way, Double door	2	Each
6.2	16 way, Double door	2	Each
7	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.DSR-2018		

7.1	A.25 mm	25	Meter
7.2	B.20 mm	40	Meter
8	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required (DSR-2018)	3	Each
9	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	80	Meter
10	Providing and 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 (DSR - 2018)	30	Meter
11	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.		
11.1	Upto 450 mm sweep	2	Each
11.2	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	2	Each
12	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	100	Each
13	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	25	Each
14	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	22	Each
15	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required		
15.1	Double pole	2	Each
16	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as	8	Each

	required.		
17	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	22	Each
18	Supplying, installing on wall, testing and commissioning of 200 A (S.C. rating for 1 sec - 15 kA) capacity rising mains made of 1.6mm thick IP 42 sheet steel enclosure duly painted with powder coating, wall straps, fully PVC insulated 4 Nos aluminium bus bars having current density of 130 A/ sq cm at nominal current rating in convenient sections and suitable for 415 V, 3 phase, 4 wire, 50 Hz, A.C. supply with extension joints, fire proof barriers, expansion joints, thrust pads including jointing and earthing with 2 runs of galvanised iron strips etc. as required. (Rising mains conforming to IS 8623, TEC 439)	1	Meter
19	Supplying and fixing of 63 A double pole, 240V/415V, 50 Hz, 10 kA MCB suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning, etc as required.	2	Each
20	Supplying and fixing suitable size Sheet steel DP MCB enclosure, complete with connections, testing and commissioning etc. as required.	2	Each
21	S/I/T/C of 4 feet nominal size LED batten having polycarbonated diffuser colour temperature 6500K having wattage 20 W suitable to operating voltage of 140 to 270 volt with protection class IP 20 directly on ceiling/wall/i/c connections with 1.5 sq. mm ISI marked, FRLS PVC insulated, single core copper conductor cable complete etc as required.	57	Each
22	Supply of Exhaust fan of sweep size 300mm ,speed 1350 rpm suitable to work on 220/240v, 50 Hz A.C supply ,ISI certified heavy duty 100% copper winded motor with double ball bearing, corrosion protection and with rust proof body and blades . complete etc.as reqd.	2	Each
23	Supply of Heavy duty Exhaust Fan Shutter/louwer Metal, 12 Inch. Outer frame polish by grey paints, corrosion protection and with rust proof body complete etc as reqd.	2	Each
24	S/f ceiling fan hook of suitable size for installation of ceiling fan, etc as reqd	22	Each
25	S/I/T/C of 40-45W LED energy saving street light luminaire made up of pressure ie cast aluminium housing with high efficiency LED as lighting source with toughened glass lens embeded PC, IK08, THD<10% and IP-66 protection on the existing bracket complete as required.	8	Each
26	P/I/T/C of 2 feet nominal size LED batten having polycarbonated housing colour temperature 6500k having wattage 10 watt and lumen output not less than 900 lm directly on ceiling/wall/i/c connectuion with 1.5 sq. mm ISI marked, FRLS PVC insulated, single core copper conductor cable complete etc as required.	6	Each

27	Supply & fixing of powder Fire Extinguisher(Stored Pressure Type,) 4kg duly ISI marked confirming to IS:15683:2018 with IS 14609 ISI marked ABC powder complete with squeeze grip release valve discharge pipe ,locking arrangement,pressure gauge,operation manual and bracket, operating temp32 degree to 60 degree centigrade, etc as required.	10	Each
28	<p>Providing & fixing of Electric Mosquito Killer 36-40 watt Automatic Electric pest control,UV Tube Insect Killer Machine having following specification:</p> <ul style="list-style-type: none"> (a) product warranty - 365 days (b) Power consumption - 36/40 watts (c) Energy Saving - Yes(equipped with Only saving ballast) (d) On/Off features - Controlled by switches (e) Power cord - ISI power cord (f) Cord length - 1.5 mtr (g) Unit Size - 610 mm(L)x105mm(B)x450 mm(H) (h) Current System - Advance PCB ckt system (i) Circuit type - Box type and sealed with epoxy (j) Tube Brand - Philips (k) No. of tubes - 02 tubes (l) Tube wattage - 18/20 watt (m) Tube length - 2 ft. or 24 inches (n) Ballast Brand - Orient/Surya (o) No. of ballast - Two (2X18 watt) (p) Ballast type - Eletronic (q) Ballast gauge - 24 gauge (r) Body Type - Made from SS sheet (s) Protection - Unit completely protecting by glass fuse system (t) Fuse system - Changing (u) Fuse load - 01 amp glass fuse 	3	Each
Part B			
29	Supplying, installation, Testing & commissioning of 7mtr high hot dip galvanised octagonal poles with 130mm bottom A/F & 70mm top A/F made up of 3mm thick sheet before galvanisation. HT sheet alongwith base plate of size 200 X 200 X 12 mm thick (Without Bracket) and 4 Nos of 20X600 mm long 'J' type EN 8 grade foundation bolt along with template	3	Each
30	Supplying, installation, Testing & commissioning of 1 mtr long hot dip galvanised single arm standard bracket made up of 40mm dia GI pipe suitable to mount on pole having top 70mm A/F.	3	Each
31	S/I/T/C of 90 W with minimum system efficacy of 140 lumen/watt LED energy saving street light luminaire made up of pressure dia cast aluminium housing with high efficiency LED as lighting with toughned glass, CCT 5665K + 355K, lens embedded PC, IK10 rating, 10 KV external SPD, IP 66 protection and inbuilt surge protection of 4 KV. The Driver should be potted should be a BIS approved driver and not a printed circuit	3	Each

	board without casing, mounted inside the luminaire. The luminaire should be capable of withstanding voltage stress of 440V for 8 Hrs on the existing bracket complete as required.		
32	Supply and fixing of pole/wall mounted box made out of sheet moulding compound having inner dimension of 200X140X95 mm size with left side hinged type cover, dust & weather proof with locking arrangement i/c fixing one no. 6-32 amps 'C' series SP MCB, mounted on Din Bar & 2 No. 4way copper connector each of suitable size 20 amps complete with 2 No. insulator, nut bolts, i/c interconnection with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc as reqd.	3	Each
33	Supplying and testing of PVC insulated armored and PVC Sheathed (general purpose) multi core cable with standard aluminium conductor suitable for working voltage upto and including 1100 volts conforming to IS7098 as required 3 x 10 Sqmm.	80	Meter
34	Supplying and laying of 63 mm dia (OD-63 mm & ID-51 mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.	70	Meter
35	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 35 sqmm	70	Meter
36	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required. upto 35 sqmm	2	Meter
37	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Upto 35 sq. mm (clamped with 1mm thick saddle)	8	Meter
38	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/PVC conduit as required 3 x 2.5 sq. mm	21	Meter
Part C			
39	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	3.3	Cum
40	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated	56	Kg

	bars of grade Fe-500D or more		
41	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1:5:10 (1 cement: 5 fine sand: 10 graded stone aggregate 40 mm nominal size).	0.15	Cum
42	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : "1:1.5:3 (1 cement: 1.5 coarse sand (zone-III) 3 graded stone aggregate 20 mm nominal size).	1.13	Cum
43	Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases of columns, etc. for mass concrete	10	Sqm
44	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :		
44.1	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	3.15	Cum

SCHEDULE OF LUMP SUM PRICE PROPOSAL

S.No.	Description of items	Qty.	Unit	Rate	Amount
1	"Providing of Internal Electrification & other allied accessories in community facility centre/ Bal miki chaupal at L-Block, Dakshinpuri, Dr Ambedkar Nagar. (Delhi AC Constituency Number - 48)". SH :Third Party inspection/ Quality assurance	1 Job	Lump sum		

IMPORTANT NOTES:

1. The Lump sum amount shall be inclusive of all prevailing taxes and fees.
2. Services of Third Party Inspection agency shall be required up to the actual completion execution of work and finalization of the final bill.
3. No cost adjustment shall be made in case of increase / decrease in execution period of project.
4. No extra payment except as quoted by the TPQA shall be paid for any other items whatsoever in any shape and form.
5. TPQA is expected to make himself acquainted with the work/services expected to be carried out by him for satisfactory carry out of the TPQA services. No extra payment for any account shall be entertained.

Yours faithfully,

Signature _____

(Authorized Representative of the TPIA)

Full Name _____

Designation _____

Address _____

Tele Nos: (O) _____ (R) _____

E-mail: _____

Fax No: _____


