

SHIFTING OF ELECTRICAL ENERGY METERS OF 17 NOS CC TYPE BUILDINGS

OF SCHSL, ANUPAMA HOUSING COMPLEX, PHASE-II

NOTICE INVITING TENDER

NO.

SCHSL/Tech-3/2025-26/200

Dtd. 29.08.2025

SUB: RETROFIT WORK(SUPPLY,WORKS & SERVICES) RELATED TO ENERGY METER SHIFTING OF (16+1)=17 NOS CC TYPE BUILDINGS IN SHELTER COOPERATIVE HOUSING SOCIETY LTD. (SCHSL) ANUPAMA HOUSING COMPLEX, PHASE-II, VIP ROAD, KOLKATA-700052.

Offers are invited in a sealed envelope which will contain three separate sealed envelopes as follows:

1. Earnest Money Deposit **super scribed with “EMD”**. The ‘EMD sealed envelope’ shall be opened first and after opening if the EMD is found in order then only the techno-commercial bid will be opened.
2. Techno-commercial bid **super scribed with “techno-commercial bid”**. This bid will be opened provided the EMD is found in order.
3. Price bid **super scribed with “price bid”**. Price bid will be opened only for techno-commercially acceptable bidders, the date & time of opening of price bid will be intimated to those bidders separately.
4. The sealed tenders as stated above shall be submitted in the tender box at SCHSL’s office.
The above Bids shall be submitted positively by **14: 30 hrs, on 22.09.2025**. The above stated sealed tenders (except price bid) as per the condition given will be opened in front of all the eligible bidders at **15: 30 hrs on 22.09.2025** at the office of SCHSL.
5. Tender document fee of Rs.300/ by cash shall be deposited by the bidder prior to submission of the bids failing which the tender will not be opened and accepted.

A. TECHNICAL :

1.0 SCOPE OF SUPPLY, WORKS & SERVICE

Design, engineering, manufacturing, supply, installation, testing and commissioning of composite electrical LT metering panel of required size and shape(17 nos.) which are made up of 2 mm thick M.S sheet, powder

coated, vermin proof wall mounted type(LT metering panel) with transparent front door with wire mesh having following equipments /gadgets and provisions in each panel. Necessary Bakelite sheet of suitable thickness shall be lapped on the surface of the inside back plane of the LT metering panel where the energy meters will be installed for the purpose of electrical insulation. The design/dimension/size of the LT Metering

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Panel shall be such that it will accommodate Bus bars, incoming fuses, and space for mounting of 18 nos. three phase smart energy meters, mounting of 18 nos. 4 pole MCBs, wirings etc. There are 16 nos. such identical panels. The 17th panel shall have the size to accommodate 10 such 3 phase smart energy meters, 10 nos. 4 pole MCBs, bus bar compartment etc.

1.01. INCOMING

Incomer: 200/300 amps cut outs (as per requirement) – 4 sets

Bus bar: 250/400 amp Aluminum bus bar (as per requirement) – 4 sets

1.02. OUTGOING:

a) Provision for installation of three phase kWh meter (existing / latest smart meters) inside the LT metering panel as per approved drawing. Necessary wiring with 6 sq.mm cu wire from bus bar to kwh meter and kwh meter to outgoing 63 amp 4 pole MCBs for lift/40 amp 4 pole MCBs for 3-phase ckts / 40 amp 2 pole MCBs for single phase ckts (to be supplied and mounted and wired sequentially inside the panel/enclosure) shall be in your scope. The 6 sq.mm cable/wire supply shall also be in the scope of contractor on as required basis.

The MCBs shall be of reputed make (MDS legrand/Havells) and have over load & short circuit protection as well as manual ON/OFF operation features also.

i) No. of existing 3-phase kWh meter to be shifted by WBSedCL: **105 Nos.**
(For 17 nos. of lifts & 88 nos. of flats).

ii) Number of 63 amp, 4 poles, 10 KA, MDS Legrand / Havells make MCBs under Bidder's scope of supply, installation, wiring and commissioning:
17 Nos. of Lifts

iii) Number of 40 amp, 4 poles, 7 KA, MDS Legrand / Havells make MCBs under Bidder's scope of supply, installation, wiring and commissioning: **88 Nos. of flats**

b) Provision for installation of single phase kWh meter (normal/ latest smart meters as is where is basis) inside the LT metering panel as per approved drawing. Necessary wiring with 6 sq.mm cu wire from bus bar to kWh meter and kWh meter to outgoing 40 amp 2 pole MCB(to be supplied and mounted sequentially inside the panel/enclosure).The 6 sq.mm cable/wire supply shall also be in the scope of contractor on as required basis.

i) No. of existing 1-phase kWh meter to be shifted by WBSEDCL: **193 nos. of flats & common service**

ii) No. of 40 amp 2 pole, 7KA, MDS Legrand / Havells make MCBs under Bidder's scope of supply, installation and commissioning: **193 nos. of flats & common service**

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NB: Building wise number of 3 phase and single phase kWh meters as well as number of 4-pole and 2-pole MCBs are consolidated in Annexure-I enclosed.

1.03 The existing underground input power supply cable coming from feeder pillar box to the existing distribution board and connected to the Bus bar shall be shifted and connected to the Bus bar of the new LT metering panel. Proper care shall be taken by the contractor to avoid any damage to the above mentioned u/g power supply cable while carrying out this shifting work. The associated civil work (including repair of damaged wall) required for diversion/ shifting of existing input power supply cables shall be under the bidder's scope.

1.04. Relevant connection from MCB outputs up to the existing junction boxes from where all the wires to the respective individual flats are distributed shall be carried out by the Bidder for which the necessary jointing of individual wires shall be done through latest jointing plugs/connectors. Wire size shall be 6 sq. mm. These outgoing wires (MCBs to the existing JB) shall be properly dressed and be drawn through suitable conduits. Wires to the individual flats (three phase/single phase) shall be properly identified through metallic tag plates. This is applicable also for lift and common service MCBs also.

1.05. Further, connection from MCB outputs (2 wires, phase & neutral for 3-phase & 1-phase) up to the respective transfer switch inputs (for generator

power supply to individual flats) shall be done by 6 sq.mm cu wires which would be dressed properly and run through suitable conduits.

1.06. All the existing wiring inside the existing kWh meter room except Generator wiring portion of the 17 numbers CC type buildings, input power supply distribution JBS, switch fuse units/MCBs, kWh meters mounting board, mounting clamps for switch fuse units/MCBs, shall be properly dismantled, sorted out & duly cleaned and shall be disposed of from Anupama phase-II. However, all the MCBs as dismantled shall be handed over to the respective flat owners. Any switch boards/electrical gadgets presently existed on the wall where the new LT panel would be installed shall be properly dismantled and shifted to a separate location. Any other materials not specifically mentioned above but required to be dismantled and removed for the interest of work shall be carried by the contractor within the quoted price. However, the existing Generator power supply distribution JB shall be properly cleaned, dressed and painted by the bidder.

1.07. All the kWh meters and MCBs as mounted shall clearly be labeled with respective flat numbers, Lifts & common service by good quality paints so that it can be visible properly and last long.

1.08. All Electrical installation, wiring, fixing, mounting of equipments, disposition etc shall be as per WBSEDCL standard norms/ relevant IS standards.

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1.09. Before taking manufacturing action, the relevant drawings (GA, wiring diagram etc.) and data sheet of the LT metering panels shall be got stamped & approved by the Authorized representative of SCHSL. **Before** ordering of cables and MCBs, data sheets to be approved **by** Authorized representative of **SCHSL**. Moreover, approval in respect of the GA drawing of the LT metering panel where the energy meters and other gadgets will be disposed of shall be obtained from WBSEDCL as well as SCHSL before taking manufacturing action of the panels

1.10. Before submitting offer, it is advised to pay visit to the Anupama phase-II working site which would enable you to assess the extent and intricacy of the job to be undertaken by you, it is also advised to make yourselves clear about the scope of supply and installation before submitting your offer. The bidders may come for a pre-bid discussion for obtaining any clarification in regard to preparation of their bids/offers at least 10 days after publication of this NIT taking prior appointment from SCHSL.

B. COMMERCIAL

1.0 Eligibility Criteria:

- a) The bidder shall be a valid enlisted Electrical Erection contractor under WBSEDCL.
- b) Category allotted to the bidder by WBSEDCL in respect of enlistment criteria:
"Category A, B & C+UG".
- c) The bidder shall have the experience of carrying out the similar type of retrofit work in 1.1 KV voltage grade.
- d) The bidder shall be located within 6 km radius of SCHSL because of the fact that he will be easily accessible in the event of any post commissioning trouble and to quickly attend any emergency situation.
- e) The Bidder has already executed a similar job valued more than 10 lakh in a single order during last three years.

The bidder shall submit the necessary documentary evidence duly attested in support of the above eligibility criteria.

2.0 To submit necessary documents duly attested which would firmly establish that the electrical personnel/ electricians to be engaged by you for the subject work shall possess necessary electrical license issued by statutory body to carry out the work.

3.0 Work completion schedule :

3.1 Material supply shall commence from the date **which is after 30 days from** the date of placement of order on you which would be done in a sequential manner (CC type building wise as will be advised by SCHSL) to avoid stacking of materials inside Anupama Housing, phase-II **due to** shortage of storage space.

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3.2 Total shifting, reinstallation, normalization and cleaning & disposal work for one number CC type building shall positively be completed by maximum 4 days during which power shut down to each flats shall be as minimum as possible(maximum 8 hours **during day time only** and that too sporadically ie not continuous). During work when shut down is required back up power supply shall be fed to the flats which would be arranged through mutual discussion. Temporary power supply to flats shall have to be given during shutdown. Work shall be done during day time only. You shall prepare the execution schedule, duly approved by Authorized representative of SCHSL, Anupama, phase-II, before undertaking the work. In case total shutdown is required, the duration is to be spelt out in your offer.

4.0 Inspection of material

You shall arrange for inspection /testing of all the 17 numbers of LT metering panel as per the approved drawing before effecting dispatch of the same.

5.0 BUY-BACK:

The existing materials like MCBs, isolators, switch fuse units, wires, conduits, boards, clamps etc. which shall be replaced and mandatorily disposed of by you by newly supplied materials shall be taken out by you on buy-back basis.

6.0 Optional item : Bidders are requested to quote optionally the U/G cable Laying & termination charge of per meter length of LT power supply cable (4/3.5 C, 95 sq mm, cu, XLPE, 1.1 KV grade) along with cable trench construction & concrete slab covering to combat unforeseen situation. The necessary cables shall be supplied by SCHSL free of cost. **For bid evaluation purpose, the above optional price shall be considered for 100 meters of such cable length.**

7.0 PRICE

Lump sum price(separately for supply as well as services of the total package indicating the tax content including GST shall be quoted by you showing the building wise as well as equipment wise break up price. Break up price is required (unit price) for any addition or deletion at the time of execution of the shifting work. Break-up price for supply items including GST and service portion showing GST components separately may be furnished.

Prices shall be quoted as follows:

1. Part-a: shall consist of supply of materials only inclusive of GST, supported by dealers invoice.
2. Part-b: shall consist of all in-situ services only along with breakup of GST.

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Accordingly Society will place two orders, one for all supply items and another for all services.

3. Rate for optional item as mentioned in clause no.6.0
4. Buy-back value of materials as per clause no. 5.0.
5. Hence, the total evaluated price shall be (1)+(2)+(3) – (4).

8.0 Payment terms

SUPPLY: 10% of the contract value against furnishing a bank (schedule Bank) guarantee of the equivalent amount will be given as advance if specifically requested for by the Bidder. The bank guarantee shall be valid till the advance is fully adjusted.

- i) 70% payment along with GST on supply of items in sequential manner subject to the condition that the items are found physically ok.
- ii) Next 10 % after commissioning and handing over of all the buildings.
- iii) Final 10% after expiry of warrantee period.

SERVICE :

- i) 10% of the contract value against furnishing a bank (schedule Bank) guarantee of the equivalent amount will be given as advance if specifically requested for by the Bidder. The bank guarantee shall be valid till the advance is fully adjusted.
- ii 70 % payment along with applicable taxes and duties/ GST as per mutually agreed price breakup will be paid on pro rata basis after successful completion of work of one particular building. **GST number shall clearly be mentioned by you in your offer.**
- iii) Next 10 % after commissioning and handing over of all the buildings.
- iv) Balance 10% of the contract value shall be paid after expiry of the warrantee period.

8.0 Warrantee

All the materials to be delivered and the relevant Electrical meter shifting work as per contract, as to be carried out by you shall be warranted from any failure due to manufacturing defects or faulty workmanship for a period of 12 months from the

date of successful completion and acceptance of the total work of all the buildings. In the event of such defects detected or any failure occurred, then such defects/failures shall be rectified/set

right by you free of cost within 4 hours if reported before 8 pm from 6 am else within 10 am next day free of cost within the warrantee period.

9.0 Termination of contract

The Society (SCHSL) shall have the right to terminate the contract at any stage of the execution without showing any reasons what so ever. This is applicable at the time of tender processing also.

10.0 Earnest Money Deposit

Bidders have to deposit earnest money (EMD) of Rs. 14,000/(fourteen thousand only) along with their bids. It may be paid either through bank draft/ Banker's cheque drawn in favor of Shelter Cooperative Housing Society Ltd. payable in Kolkata. No other mode of payment is acceptable.

- a. EMD will not carry any interest
- b. EMD in respect of successful bidder will be refunded after acceptance of the security deposit bank guarantee.
- c. EMD for the unsuccessful bidder will be refunded within one month after finalization of the contract.
- d. In case the successful bidder fails or refuse to accept the contract in full the EMD will be forfeited.
- e. Tenders received without EMD shall be rejected outright.

11.0 Security deposit

The successful bidder will be required to furnish a Bank guarantee (Schedule Bank) of 10 % of the total contract value (supply as well as service) valid till expiry of the warrantee period towards security deposit. The above BG shall be submitted within two weeks from the date of placement of order. The BG format is as per Annexure-I, enclosed.

The security deposit will be refunded after successful discharge of all the contractual obligations. Penal amount, if any, towards damage of society's property shall be recovered from the security deposit amount.

Security deposit will be forfeited in the event of the contract offered is not being fulfilled by the contractor.

12.0 Safety and Security

The successful vendor shall undertake to adopt all safety procedure during execution of the work and shall be squarely responsible/ liable for any adverse incident/coincident, accident whatsoever during execution of the work.

- I) The supply items (sequentially done by the vendor) as received by SHCSL shall immediately be handed to the contractor for installation and vendor shall be the Custodian of the items. Society will provide a suitable place for storing of items.
- II) The items shall not be supplied in a single, but in a sequence as per requirement for installation and availability of storage space to be decided mutually.
- III) Safety and security of all men and equipments shall be in the scope of contractor.
- IV) It is expected that contractor shall take all safety measures to protect the workmen, residents, any outsiders being society premises passing the area of work site, during the work by the contractor.
- V) The contractor shall demark the area of work with red tape and see no other person except his workmen enter into that area.
- VI) All the liability including consequential liability for damage to the men and machines arises out of contractor's work shall be vested on the contractor. They are liable to provide compensation for such damage, loss of men and machines as to be decided by the effected person/body in mutual consultation of society.

13.0 Communication

For official communication purpose during the tender processing period the Bidders will contact either Sri Manabendra Biswas(9007928697) / Sri N K Ghosh(7044791605)/ Sri Kanti Batabyal(9831410466)/Sri S C Ray(9433355873) of Shelter Cooperative Housing Society Ltd., Anupama Phase-II, VIP Road, Kolkata-700052.

ANEXURE -I

| SL NO. | BLDGN | 3-ph kWh MTR | 1-ph kWh MTR | 4 pole MCB | | 2-Pole MCB 40 A |
|--------------|-----------|-----------------|-----------------|---------------|-----------|-----------------------|
| | | | | 63 A | 40A | |
| 1 | 62 CC | 2 | 8 | 1 | 1 | 8 |
| 2 | 63 CC | 5 | 13 | 1 | 4 | 13 |
| 3 | 64 CC | 5 | 13 | 1 | 4 | 13 |
| 4 | 65 CC | 4 | 14 | 1 | 3 | 14 |
| 5 | 66 CC | 8 | 10 | 1 | 7 | 10 |
| 6 | 67 CC | 6 | 12 | 1 | 5 | 12 |
| 7 | 70 CC | 10 | 8 | 1 | 9 | 8 |
| 8 | 71 CC | 6 | 12 | 1 | 5 | 12 |
| 9 | 72 CC | 11 | 7 | 1 | 10 | 7 |
| 10 | 73 CC | 4 | 14 | 1 | 3 | 14 |
| 11 | 74 CC | 7 | 11 | 1 | 6 | 11 |
| 12 | 75 CC | 8 | 10 | 1 | 7 | 10 |
| 13 | 77 CC | 3 | 15 | 1 | 2 | 15 |
| 14 | 78 CC | 9 | 9 | 1 | 8 | 9 |
| 15 | 79 CC | 3 | 15 | 1 | 2 | 15 |
| 16 | 80 CC | 6 | 12 | 1 | 5 | 12 |
| 17 | 81 CC | 8 | 10 | 1 | 7 | 10 |
| TOTAL | 17 | 105 | 193 | 17 | 88 | 193 |

On or behalf of

Shelter Co-operative Housing Society Limited

