SECTION - 9

ITEM RATE BOQ
PRICE SCHEDULES

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BILL OF QUANTITES (BOQ)

Name of the work: Shifting of Electrical Utilities / Street Lights / Any Other HT/LT Electrical Equipment's Infringing to Various Corridors of BSTP and Doubling Project for the Period of Two Years on Percentage Basis (%) under Lump Sum Contract

THE UNIT RATES SHALL BE PAID AS PER COMMOM SCHEDULE OF RATES OF 2023-24 [Vol-1 to Vol-6] & 2025-26 (ESCOM SR-2025-26). During contract period, if any revision/updation in the SOR of GOK, the unit rate shall be paid as per the latest SOR published by GOK.

PREAMBLE

1. The Price Schedule shall be read in conjunction with the Instructions to Tenderers, Conditions of Contract, Notice Inviting Tender, Technical Specifications, Tender Drawings, Schedule, Annexures and Addendums.

2. The tenderer shall quote its price on Common SOR of GOK 2023-24 (Common KPTCL & KPWD Civil SOR for the year 2023-24) & 2025-26 (ESCOM SR-2025-26) Above/ At Par/ Below in BoQ at Central procurement portal.

3. The quoted Amount are for completed and finished items of work and complete in all respects. It will be deemed to have included all constructional plant, tools, machinery, labour, supervision, materials, fuel, oil, consumables, electric power, water, transportation, all leads and lifts, dewatering, all temporary works, construction of temporary stores and buildings, fencing, watering, lighting, erection maintenance, night working, inspection facilities, safety measures at work sites for workmen and road users, charges of liaison with BESCOM/ KPTCL / PGCL,/Indian Railways/BBMP/GBA State / Central Government and local bodies, availing clearance, joint inspection, testing, commissioning and energization, all the other incidental charges payable to BESCOM / KPTCL/ PGCL /Indian Railways/ BBMP/GBA, GAIL, BWSSB, BDA, charges for stamp duties/ agreements, execution of agreement with BI-RIDE / Railways and SEB authorities/ DISCOM submitting Relevant documents for EIG approval as per the requirement etc., Establishment and overhead charges, labour camps, insurance costs for labour and works, contractor's profit, all taxes (Excluding GST), royalties, duties, cess, octroi, other levies and other charges together with all general risks, liabilities and obligations set out or implied in the contract and including remedy of any defects during the Defect Liability Period, unless otherwise provided in Price schedule. However, statutory supervision charges of 5% payable to State Authorities/DISCOM/KPTCL and any charges related to ROW charges, Electrical inspectorate, and inspection charges payable to KPTCL/BESCOM/BBMP/GBA will be paid by BI-RIDE.

4. Providing concrete for all works deemed to be inclusive of the cost towards production of concrete by batching plant, transit mixer, transportation of concrete with all leads and lifts, form work, shuttering including staging as required, pouring of concrete by pump/tower crane to all heights /depths, tremie or other approved means, compaction by vibrators, curing by approved means such as water, steam or curing compound and all labour, tools, plants, machinery required for execution of work complete in all respects including de-shuttering after completion of work.

5. The whole cost of complying with the provisions of the Contract shall be deemed to have been included in the quoted Amount.

6. General directions and description of works and materials are not necessarily repeated or summarized in the Price Schedule.

7. The method of measurement of completed work for payment shall be in accordance with the

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requirements as stated in the individual sections of the Technical Specifications and Conditions of Contract.

8. Shuttering required for concrete work shall be of steel except wherever there are site constraints as decided by Engineer.

9. Tenderer may please note that to perform this contract, nothing extra shall be payable on account of field constraints, availability of front, preparation of detailed scheme for taking necessary clearance and approval from the concerned authority and other local bodies etc.

10. Contract prices shall be inclusive of all taxes, duties & royalties payable by them excluding GST. Income tax and any other statutory taxes to be deducted at source, if any, will be deducted by the Employer in accordance with Income Tax Act and any other acts in force in accordance with instructions issued by authorities on this behalf, from time to time.

11. The Tenderer is required to furnish the PAN for all members of Group.

12. The Contract price indicated is tentative only, may decrease or increase depending on the field condition, successful bidder shall not be entitled to any claim for negative variation/value of work.

Note:

1. The Tenderer are advice to quote rate in two decimals.
2. If no rate has been indicated for any schedule/bill in words, as well as in figures, irrespective of the fact whether the Tenderer has written or not written above/below/at par, in such cases, the rate shall be considered as Zero and the price shall be calculated accordingly (Refer: Additional Instructions to Tenderers Clause no: 24.4 (d)).
3. Unit rates and prices shall be quoted by the Tenderer in percentage (%).
4. Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. [ITT Clause 24.1]

PRICE SCHEDULE

Sl. No	**Particulars**	**Approx. Contract Value**	
1.	Schedule-A: Material Cost (As per SOR) Excl. GST	Rs. 15,00,00,000.00	THE BIDDER HAS TO QUOTE IN PERCENTAGE ABOVE OR BELOW OR AT PAR ON COMMON SOR OF GOK (Latest).
2.	Schedule-A: Labour Cost (As per SOR) Excl. GST		

Note:

1. The Amount quoted on common SOR of GOK 2023-24 [Vol-1 to Vol-6] & 2025-26 (ESCOM SR-2025-26) including loading factors as per SOR shall be used as reference for paying all the SOR Items. During contract period, if any revision/updation in the SOR of GOK, the unit rate shall be paid as per the latest SOR published by GOK.
2. The Highest annual turnover in last 5 years shall be considered for deciding Lowest bidder if any two bidders quoted the same percentage.

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PAYMENT TERMS

1. **Supply payments**: The contractor shall be entitled to be paid against supply of material only for such works as in the opinion of Engineer he has supplied in terms of the contract. All payments shall be subject to deductions. Payments provided always that the engineer may withhold if the works or part thereof are not being carried out to his satisfaction.

2. Contractor shall take prior approval of Engineer-in-charge before supplying of the material along with the approval of makes, drawing and quantity.

3. Payment will be made only for the actual quantity utilised for the work in the field.

4. **Payment for procurement of material and progress of work is given below in Following manner.**

   a. Step-1: 70% Payment:

   Procurement of following items shall be as approved by Engineer-in-charge of the work and K-RIDE. Payment of 70% of the accepted price shall be paid on the receipt and accountable of material at site or required destination after inspection and production of documents as listed below:

   i. E-way bill.
   ii. Supplier's Delivery Challans and supplier's Tax invoice/GST.
   iii. Inspection certificate granted by the authorized /approved agency/Purchaser's representative as per contract.
   iv. Certificate of receipt of material at Contractor depot/work sites duly accepted by the Engineer.
   v. Quality Assurance Documents including Guarantee/Warrantee, if any.
   vi. Insurance certificate of 100%value valid till liability period.
   vii. Indemnity bond.

   List of items proposed for payment.

   a. RCC, PCC and Spun pole, High Mast, Octagonal Poles.
   b. ACSR conductor of any size.
   c. HT & LT cables/Wires of any size.
   d. HT & LT cable end termination kits and cable jointing kits.
   e. Transformers and Compact substations of any capacity.
   f. All types of RMU units, RTU, LT distribution box.
   g. LT feeder pillar, LV/MV Distribution Boards/panels.
   h. Metering cubicle, control boxes.
   i. Diesel generators of any capacity.
   j. Lifts and Escalators of any capacity.
   k. Cable Trays, Conduits of any sizes.
   l. Air Conditioners of any type and capacity.

   b. Step-2: 20% Payment:

   The 20% of each item of the approved BESCOM/BBMP/KRIDE/IR estimate shall be paid to the contractor after erection, testing and Commissioning of the portion of the completed work.

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c. Step-3: 10% Payment:
The Balance 10% of each item of the approved BESCOM/BBMP/KRIDE/IR estimate shall be paid to the contractor after the EIG Approval and/or handing over of the installation and released materials to the BESCOM/ BBMP/KRIDE/IR (if any) and furnishing the acknowledgment to KRIDE, whichever is later.

d. Payment for Labour and progress of work is given below:

1. **90% payment** shall be released on Installation/erection, testing and Commissioning of each work as per the approved estimate of BESCOM/BBMP/KRIDE/IR for the actual quantity utilised for the work in the field shall be paid to the contractor.
2. **The Balance 10% payment** of each item of the BOQ shall be paid to the contractor after the EIG Approval and handing over of the installation and released materials to the respective ESCOMs and furnishing the acknowledgment to KRIDE, whichever is later.

5. **Rounding off amounts:** The total amount due on each certificate shall be rounded off to the nearest rupee i.e., sum less than 50 paise shall be omitted and sums of 50 paise and more up to Rs.1 will be reckoned as Rs.1.6. Manner of payment: Unless otherwise specified payments to the contractor will be transferred electronically to his bank account.

6. **FINAL SETTLEMENT:** On expiry of the defect liability period and issue of the taking over certificate of the entire installation, the Bank Guarantee for Performance security shall be released to the contractor after adjustment of any dues payable by the contractor.

7. **RECOVERIES FROM THE CONTRACTOR:** All the recoveries for materials supplied and services rendered by KRIDE to the Contractor, if any and other refunds due from the Contractor shall be made by deductions from payments due to the Contractor covering the value of supply and erection in the progress payment.

8. **TAXES AND DUTIES:**

a. All taxes, duties, and levies (including octroi, works contract tax, etc.,) arising out of the transactions between the contractor and his sub-contractor/Suppliers for this work will be deemed to be included in the accepted rates excluding GST, unless otherwise specified in the BOQ or technical specification.

b. Where the law makes it statutory for the Purchaser to deduct any amount towards GST or any other taxes on works contract, the same shall be deducted and remitted to the concerned authority.

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LIST OF MATERIALS/ APPROVED BRANDS

The make of materials shall be any one of the following approved make or any make having ISI approval / ISI marked or any make / manufacturer having ISO approval.

Sl.no	Description	Make intended to be supplied by the contractor.
1	MCCB / MCB / DB/ RCCB, COS etc	Legrand, L&T, ABB, Schneider, Siemens, C&S, Crompton Greaves Limited, Havells, Anchor, Indo Asian.
2	LT PVC insulated Single & Multicore Wire for Internal Wiring	Polycab, Finolex, Havells, KEI, V-Guard, Anchor, Sbee, Universal, Indo Asian.
3	Cable-Lugs & accessories for electrical general services.	Multi, 3M, Dowells.
4	Light fittings/Lamp	Philips, Bajaj, Crompton Greaves, Havells, Syska, C&S, Wipro
5	LED make	Nichia, Osram, Seoul, Philips Lumileds, Cree, Lednium, Avago.
6	PVC Rigid Conduit Pipes	Universal, VIP, Sudhakar.
7	Modular Switches, Switch box, Covering plate, Sockets, Holders	Anchor Roma, Havells, Crabtree, Legrand, GM, C&S, Schneider, ABB, Cona, Siemens.
8	Industrial Sockets/ Ray Roll plug and Socket	Legrand, Indo Asian, Schneider, Siemens, Standard, Havells.
9	Switch fuse unit Single and Three Phase, Change over Switch	Abb, Cgl, Siemens, Indo Asian, Standard, Bch, C&S Schneider, Legrand, Havells.
10	LT Switch gear and control gears contactors and motor starters	Abb, L&T, Cgl, Siemens, Legrand, Schneider, Havells, Indo Asian.
11	FRP Meter Box	Sintex or Hensel.
12	LTUG/ HTUG XLPE cable	Sbee, Unistar, Finolex, Havells, Gloster, KEI, Universal.
13	Jointing Kit-HT/LT	Venus, Denson, Raychem.
14	BLDC Fan	Usha, Atomberg, Orient, Crompton, Havells, Bajaj, Khaitan.
15	Exhaust Fan/Wall Mounting fan	Crompton, Havells, Khaitan, Bajaj, Usha, Orient.
16	HDPE Pipe	Jindal Pex, Supreme, Finolex, Mangalam.
17	LILO Box/ Meter Box	Schneider, Sintex, Hensel, ABB.
18	Multi data Meter	Schneider, ABB, L&T, Elmeasure, Hpl
19	Submersible Pump	KSB, Kirloskar, Crompton, L&T, Jyothi, Cgl, Suguna.
20	Pump Starter	L&T, Siemens, Crompton, KSB, Kirloskar, C&S.
21	Digital Water Level Controller	L&T, Schneider, Siemens, Legrand, ABB.
22	Microcontroller Timer Control Unit	Bajaj, Philips, Crompton, Siemens, Legrand.
23	Solar Hybrid Emergency Lighting System	Tata or Equivalent.
24	Air conditioner	Blue Star, Hitachi, LG, Samsung, Carrier, Voltas, Daikin, Toshiba.
25	Water Cooler	Voltas, Bluestar, Usha.
26	Geyser	Racold, Usha, Bajaj, Crompton, Havells, V-Guard.
27	Metering Cubicle	Any ESCOM Approved Make with Latest Approval.
28	Transformer	Any ESCOM Approved with Latest Star Rating as Per ESCOM Requirement.
29	CSS	Abb, L&T, Schneider, Siemens.
30	RMU	Any ESCOM Approved Make.
31	High Mast	Bajaj, Philips, Crompton Greaves.

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Sl.no	Description	Make intended to be supplied by the contractor.
32	Insulators	Any ESCOM Approved Make with Latest Approval.
33	HT DOLO FUSE	Any ESCOM Approved Make with Latest Approval.
34	Lightening Arrestor	Any ESCOM Approved Make with Latest Approval.
35	GOS	Any ESCOM Approved Make with Latest Approval.
36	Octagonal Pole/Swaged Pole	Philips, Bajaj, Crompton, Utkarsh Tubes, Jindal.
37	MS/GI Tubular Poles	Jindal, Tata.
38	GI Pipe Class B	Jindal, Tata.
39	Indoor outdoor Potheads for HT cable	Any ESCOM Approved Make.
40	VRLA 12/120AH Battery Unit	AMARAJA, Exide, Bosch, AMCO, Hitachi.

NOTE:

1. Products Certified by the Bureau of Indian Standards and Provided with ISI Mark are only acceptable. The Contractor must obtain a specific approval of engineer in charge in writing prior to using of any substitute make not mentioned in the list above or in case make without ISI or BIS standard are to be supplied.

2. Raw materials of fabricated products like Steel poles should be tested at approved test laboratory and certificate should be furnished by the contractor. Materials, welding, galvanizing etc., shall conform to IS specifications latest. DP test should be carried out on all the seam as per IS: 3658:1999 or latest.

3. Successful tenderer should obtain relevant approved ESCOM specification for Transformers (if supply of Tr. is involved) with endorsement of acceptance for Execution of work at respective location.

4. The successful tender shall obtain design drawings of CSS, RMU, LT/HT Switchgears and LT/HT panels prior to supply of items at the site of work.

5. Before supply of the materials without approval of makes/models no supply shall be accepted

6. Approval shall be obtained from **AGM/Electrical/K-RIDE.**

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