

## **SECTION - 9**

### **ITEM RATE BOQ PRICE SCHEDULES**

**BILL OF QUANTITIES (BOQ)**

“Design, Manufacture, supply, testing and commissioning of 2 Nos - Service-cum-passenger lift of 2 Tonne capacity at Yesvantpur Parcel office, 6 Nos- 20 passenger lift Machine room less at Hebbal, Banaswadi and Anekal Road Railway Stations”

**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 his price on CPP portal
3. **Price shall be quoted in terms of Lump sum amount on CPP Portal.**

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 BESCO/ KPTCL / PGCL, /BBMP State / Central Government and local bodies, availing clearance, joint inspection, testing, commissioning and energization, all the other incidental charges payable to BESCO / KPTCL/ PGCL / BBMP, GAIL, BWSSB, BDA, charges for stamp duties/ agreements, execution of agreement with KRIDE / Railways and SEB authorities/ ESCOM 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, custom duties if any, 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 payable to State Authorities/DISCOM and any charges related ROW charges, Electrical inspectorate, and inspection charges payable to BESCO/BBMP will be paid by KRIDE.

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.

4. The whole cost of complying with the provisions of the Contract shall be deemed to have been included in the quoted Amount.
5. General directions and description of works and materials are not necessarily repeated or summarized in the Price Schedule.
6. The method of measurement of completed work for payment shall be in accordance with the requirements as stated in the individual sections of the Technical Specifications and Conditions of Contract.
7. Shuttering required for concrete work shall be of steel except wherever there are site constraints as decided by Engineer.
8. 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.
9. Contract prices shall be inclusive of all taxes and duties including custom duties if any payable by them excluding GST. Income tax, Labour Cess 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.

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10. The Tenderer is required to furnish the PAN for all members of Group.
11. Replace CA audit with Statutory Auditor wherever applicable, except in qualification of experts.
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	Item Description	Amount in Rs.
1.	Cost for Design, Manufacture, supply, testing and commissioning of 2 Nos - Service-cum-passenger lift of 2 Tonne capacity with Machine Room and Gearless at Yesvantpur Parcel office, 6 Nos- 20 passenger lift Machine room less and Gearless at Hebbal, Banaswadi and Anekal Road Railway Stations as mentioned in Section-9 of Pricing Schedule/BOQ.	<b>2,80,41,740.20</b>

### **Note:**

1. The total amount for the tender shall be quoted by the tenderer in the CPP portal in Indian Rupees (INR) only. The rates quoted by the bidder in Price schedule through Central Public Procurement Portal will only be considered for Evaluation and comparison purposes.
2. The employer shall calculate the percentage of the quoted price with respect to the amount put to tender and this percentage shall be applied to all the items of the BOQ as per price schedule to arrive at the respective price of items.
3. The % above/below or at par quoted on above. (Example for quoting price bid - +2%, Plus two percent, -2%, minus two percent).
4. The Highest annual turnover in last 5 years shall be considered for deciding Lowest bidder if any two bidders quoted the same percentage.

### 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/Warranty, if any.
- vi. Insurance certificate of 100% value valid till liability period.
- vii. Indemnity bond of 100% value of the item proposed for supply payment (70% payment).

#### List of items proposed for payment.

- a. Passenger Lift.
- b. Service cum passenger Lift.

#### b. Step-2: 20% Payment:

The 20% of each item of the BOQ shall be paid to the contractor after erection, testing and Commissioning of the portion of the work duly submission of installation reports and Commissioning test reports.

#### c. Step-3: 10% Payment:

The Balance 10% of each item shall be paid to the contractor after the EIG Approval (if applicable) and handing over of the installations to the Indian Railways (SBC Division) and furnishing the acknowledgment to K-RIDE.

1. **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.

2. **FINAL SETTLEMENT:** On expiry of the defect liability period and issue of the taking over

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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.

**3. 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.

### **4. 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
- c. and remitted to the concerned authority.

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<b>Name of the Work:</b> Design, Manufacture, supply, testing and commissioning of 2 Nos - Service-cum-passenger lift of 2 Tonne capacity with machine room and gearless at <b>Yesvantpur Parcel office</b> , 6 Nos- 20 passenger lift Machine room less and gearless at <b>Hebbal, Banaswadi and Anekal Road Railway Stations</b>			
Sl. No	Schedule	Schedule Description	Amount Excl. GST
1	Schedule-A	Schedule of Rates and Quantities for <b>Design, Manufacture, supply, testing and commissioning of 2 Nos, - Service-cum-passenger lift with machine room and gearless machine of 2 Tonne capacity at Yesvantpur Parcel office</b>	1,03,71,950.80
2	Schedule-B	Schedule of Rates and Quantities for <b>Design, Manufacture, supply, testing and commissioning of 6 Nos, 20 passenger lift Machine room less and gearless lift at Hebbal, Banaswadi and Anekal Road Railway Stations</b>	1,76,69,789.40
<b>Total Amount put to tender</b>			<b>2,80,41,740.20</b>

**Schedule-A: Schedule of rates and quantities for Provision of Service cum passenger Lift at Yesvantpur parcel office**

Sl. No	Description	Unit	Qty	Rate Excl. GST	Amount Excl. GST
1	<p>Design, supplying, erection, testing and commissioning of - Service-cum-passenger lift with speed of 1mtr per second, variable voltage variable frequency drive, with or without machine room for the available well size, operating at 415 V 3 phase 50 cycles AC supply, Stainless Steel 304 car entrance doors enclosures with suitable SS 304 chequered 6mm flooring, LED car illumination, emergency light, intercom and fan as desired by the user, central opening / side opening door with or without attendant operation, 7 segment display, call register indicator, fireman drive, SS 304 handrails (3 sides) inside car, SS 304 Bumper Rail at 3 Levels, full length 3D infrared curtain in car door, automatic rescue device with batteries, voice announcing in regional / international languages, Braille buttons, Spring or Hydraulic buffer, trunking, conduits, necessary scaffolding and minor civil works like fixing of guide rail, counter weight, cutting of wall for fixing displays, drilling, grouting, cut out in machine room floor etc. including witnessing of FAT at factory, complying to IS17900 all parts and Lift RDSO specification RDSO/2013/EM/SPEC/0016 (Rev '2')-2025, NBC-2016, IEC and Karnataka State Lifts, Escalators and Passengers Conveyers Act 2012 and Rules 2014..</p> <p>Fire rating of landing door: 1 hour.  Shaft lighting including lights, sockets to be provided by lift contractor.  DLP including maintenance for 12 months.  All statutory clearance including lift licenses.  With Machine Room-SS 304 Honeycomb Finish thickness 1.5 mm min.  Capacity: 2000 kg  Stops: G+4  Travel: 18 m.  Car size: 1700 mm x 2500 mm x 2300 mm clear below false ceiling.  Door Size: 1700 mm x 2100 mm. COPD. All on same side.  Shaft size: 3400 mm x 3900 mm.</p>	Each	2.00	50,00,000.00	1,00,00,000.00

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Sl. No	Description	Unit	Qty	Rate Excl. GST	Amount Excl. GST
	Overhead and Pit as per IS. Machine Room: At TOP.				
2	Providing and fixing Structural Steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-charge.	Kgs	3,291.60	113.00	3,71,950.80
<b>Total Amount</b>					<b>1,03,71,950.80</b>



**Schedule-B: Schedule of Rates and Quantities for Provision of Passenger Lift  
at Hebbal, Banaswadi & Anekal Road Railway Stations**

Sl. No	Description	Unit	Qty	Rate Excl. GST	Amount Excl. GST
1	<p>Design, supplying, erecting testing and commissioning of - Passenger/ Bed-cum-passenger hospital lift with speed of 1mtr per second, variable voltage variable frequency drive, without machine room for the available well size, operating at 415 V 3 phase 50 cycles AC supply, Stainless Steel 304 car entrance doors enclosures with suitable colour vinyl flooring, LED car illumination, emergency light, intercom and fan as desired by the user, central opening / side opening door with or without attendant operation, 7 segment display, call register indicator, fireman drive, SS 304 handrails (3 sides) inside car, full length 3D infrared curtain in car door, automatic rescue device with batteries, voice announcing in regional / international languages, Braille buttons, Spring or Hydraulic buffer, trunking, conduits, necessary scaffolding and minor civil works like fixing of guide rail, counter weight, cutting of wall for fixing displays, drilling, grouting, cut out in machine beams etc. including witnessing of FAT at factory, The total product and services shall adhere to IS 17900 all parts ( with latest amendments) to general guidelines of fire safety rated doors, MRL beams, pressure switch, manual change over for doors during emergency, ARD of 10 times with sufficient battery back up and standard dimensions of chair car and door openings for all sizes and capacities of lifts including fitness certificate and duly observing all other safety norms prescribed and adhere to RDSO specifications RDSO/2013/EM/SPEC/0016 (Rev '2')-2025, NBC-2016, IS-17900 (Latest), IEC and Karnataka State Lifts, Escalators and Passengers Conveyers Act 2012 and Rules 2014..</p> <p>Fire rating of landing door: 1 hour. Shaft lighting including lights, sockets to be provided by lift contractor. DLP including maintenance for 12 months. All statutory clearance including lift licenses.</p> <p>Without Machine Room-SS 304 Honeycomb Finish thickness 1.5 mm min. Capacity: 20 passenger (1360 kg) Stops: G+1</p>	Job	6	27,89,559.00	1,67,37,354.00

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Sl. No	Description	Unit	Qty	Rate Excl. GST	Amount Excl. GST
	Travel: 8 m. Car size: As per code. 2300 mm clear below false ceiling. Door Size: 1000 mm x 2100 mm. COPD. All on same side. Shaft size: 2600 mm x 2300 mm. Overhead and Pit as per IS.				
2	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. <b>In all kinds of soils. Depth upto 1.50m</b>	Mtr	600	484.00	2,90,400.00
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in existing surface/recessed steel/PVC conduit as required. <b>3 x 4 Sq.mm</b>	Metre	600	222.00	1,33,200.00
4	1.1 kV, XLPE or Heat resistant PVC insulated, PVC extruded Inner Seath Armoured LTUG Cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 <b>50 Sqmm, 4 Core, (17 GI Strips - 4 x 0.8 mm)</b>	Km	0.6	2,07,194.00	1,24,316.40
5	<b>Open Conduit System</b> Supplying heavy gauge PVC conduit pipe <b>25 mm dia 2 mm</b> thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. <b>25 mm dia 2 mm thick</b>	Mtr	300	81.00	24,300.00

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Sl. No	Description	Unit	Qty	Rate Excl. GST	Amount Excl. GST
6	Supplying & fixing of retrofit type - LED bulb <b>15W</b> with OPAL acrylic diffuser comprising of LED source with CCT 6500-degree K, CRI> 70%. efficacy >80 lumen per W, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. <b>15W, 6500K</b>	Each	24	326.00	7,824.00
7	Supplying and fixing of round or oblong type bulk head fitting glass cover	No	24	70.00	1,680.00
8	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. <b>6A One Way Switch</b>	Each	18	102.00	1,836.00
9	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. <b>6A Two Way Switch</b>	Each	6	166.00	996.00
10	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. <b>6/16A Universal Socket</b>	Each	24	236.00	5,664.00
11	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. <b>32A DP Switch</b>	Each	24	326.00	7,824.00
12	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete. <b>4-5 Way</b>	Each	24	137.00	3,288.00

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Sl. No	Description	Unit	Qty	Rate Excl. GST	Amount Excl. GST
13	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. <b>4 Module</b>	Each	24	175.00	4,200.00
14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. <b>1.5 mm<sup>2</sup></b>	Mtr	450	26.00	11,700.00
15	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. <b>2.5 mm<sup>2</sup></b>	Mtr	450	42.00	18,900.00
16	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. <b>4 mm<sup>2</sup></b>	Mtr	450	63.00	28,350.00
17	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. <b>10 mm<sup>2</sup></b>	Mtr	750	167.00	1,25,250.00
18	Supplying and fixing regular MCB distribution boards on wall/Wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure.  II - Double Door <b>12 Way SP &amp; N</b>	Each	3	2,329.00	6,987.00
19	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V upto 300mA sensitivity on existing wood/ panel board. <b>32-40A 2 pole</b>	Each	3	4,559.00	13,677.00

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Sl. No	Description	Unit	Qty	Rate Excl. GST	Amount Excl. GST
20	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V upto 300mA sensitivity on existing wood/ panel board. <b>63 A 4 pole</b>	Each	3	5,545.00	16,635.00
21	<b>Grounding Material</b> <b>Pipe Grounding</b> GI Grounding pipe, B - Class, 42 mm dia, 2.5 Mtr long, 3.2 mm thick with bolt, nut, GI Strips and washer complete Minimum Weight of GI Pipe: 7.3 Kg	No	18	743.00	13,374.00
22	<b>Grounding Material</b> <b>Pipe Grounding</b> Good Quality well burnt Charcoal for grounding purposes packed in non-returnable gunny bag of 30 Kg each	No	18	676.00	12,168.00
23	<b>Grounding Material</b> <b>Pipe Grounding</b> Good Quality Salt for grounding purposes packed in 50 Kg gunny bag	Bag	18	310.00	5,580.00
24	Constructing brick masonry chamber of internal dimension 450x300mm and depth of 600mm (inner dimensions) with modular bricks of CD 75 in cement mortar 1:6, bed concrete 150mm thick with 1:3:6, plastering 12 mm thick with cement mortar 1:4, CC 1:2:4 coping 75mm thk for fixing CI cover & frame etc. excluding the cost of CI frame and cover.	Each	18	3,549.00	63,882.00
25	Digging of Pit for providing GI Pipe type Earthing Ordinary Soil	Per Pit	18	578.00	10,404.00
<b>Total</b>					<b>1,76,69,789.40</b>