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Item Rate BoQ

Tender Inviting Authority: Dean (Admin)

Name of Work: Construction of Lift Shaft, SITC of Six Person Passenger Lift and Structural Steel Staircase for Emergency Exits at G+2 Guest House building in IPR, Bhat, Gandhinagar.

Contract No: IPR/TN/CIVIL-PR/01/2025

<b>Name of the Bidder/ Bidding Firm / Company :</b>	
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**PRICE SCHEDULE**

**(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender Values only )

"Note:-

1. For detailed Specification, Contractor has to refer and follow Specifications Volume-I and Volume-II, 2019, CPWD (Central public works department) available on online CPWD portal (ht including material, workmanship, equipment's, IS code etc.
2. All the items are including scaffolding, curing, for all leads and lifts etc.
3. In case of non-availability of detailed specification in CPWD 2019, Specification of the same shall be executed as per clauses mentioned in GCC and / or as directed by Engineer-In-Charge, whose decision shall be final. No extra shall be payable for execution of items as mentioned in Schedule of Quantities as a result of adopting detailed specification or India Standard of relevant or Other Standards thereon.
4. All respective items should be as per the approved make / brands / list attached in Technical Bid .
- 5.The Contractor has to take care about the existing Building & Services and plan this work accordingly in consultation with Engineer-In-Ch
6. Guarantee LIFT : All equipments shall be guaranteed for a period of 12 months from the date of taking over the installation by the department against unsatisfactorily performance and/ of material. The equipment or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost to the satisfaction of the Er 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 the Engineer-in-Charg carry out routine and preventive maintenance for 12 months from the date of handing over. Contractor should consider this during quote of work. Nothing extra

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE In Figures To be entered by the Bidder in Rs. P including GST & all taxes	TOTAL AMOUNT Including GST & all Taxes in Rs. P
1	2	3	4	5	7	14

1	<p><b>Earth work in excavation</b> 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 up to 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. Note: Excavation need to be done Manually as per site conditions and as directed by Engineer-in-charge.</p>	item1	30.674	Cum		0.00
2	<p><b>Earth work in excavation manual</b> means beyond 1.5 m or part thereof in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.</p>	item2	4.874	Cum		0.00
3	<p>Providing and laying in <b>plain cement concrete</b> of specified grade including the cost of centering and shuttering - All work up to plinth level :<b>1:3:6</b> (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources).</p>	item3	4.780	Cum		0.00
4	<p>Providing and laying in position ready mixed or site batched, design mix or nominal mix cement concrete for <b>reinforced cement concrete</b> work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.</p> <p>Concrete of M25 grade with minimum cement content of 330 kg /cum. Complete in all respect as directed by EIC.</p> <p>NOTE: M25 (1 : 1 : 2 i.e. 1 cement : 1 coarse sand(zone-III) derived from natural sources : 2 graded stone aggregate 20 mm nominal size derived from natural sources), Complete in all respect as directed by EIC.</p>	item4	11.610	Cum		0.00
5	<p><b>Centering and shuttering</b> including strutting, propping etc. and removal of form for Foundations, footings, pedestals, bases of columns, lift pit walls etc. for concrete. Complete all as per specifications or in all respect as directed by the EIC.</p>	item5	55.012	Sqm		0.00
6	<p><b>Steel reinforcement</b> for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to all level <b>Thermo-Mechanically Treated bars of grade Fe-500D or more</b>. Complete in all respect as directed by EIC.</p>	item6	1154.400	Kg		0.00

7	<p><b>Structural steel work</b> in frames, covers, roofs using tubular section (round, square or rectangular hollow tubes etc.) tees, flats, bars, chequered plates, inserts fabricated out of mild steel bars, angles, pipes, plates, foundation bolts etc. of all shapes, sizes including supplying, cutting, fabricating, welding, erecting, making holes/ chases wherever required and fixing / embedding in position in concrete/ masonry work with necessary hold fasts/ screws &amp; rawl plugs and finishing the concrete / masonry work after fixing / embedding including painting two coats of synthetic enamel paint of approved make and colour on all surfaces over a coat of approved steel primer etc. complete as per specifications, drawings and as directed by the Engineer in charge.(YSt-310 steel grade / as per approved drawings, as directed by EIC) .</p>	item7	8053.749	Kg		0.00
8	<p>Providing and fixing <b>12mm thick frameless toughened glass</b> Cladding / door shutter of approved brand and manufacture, including providing and fixing arrangement and making necessary holes, supporting pins/hinges etc. for fixing required Cladding/ door fittings, all complete as per direction of Engineer in charge. (Door handle, lock and Stopper etc.to be paid separately). Note: Cladding work of LIFT Shaft shall be completely leak proof.</p>	item8	76.390	Sqm		0.00
9	<p><b>Demolishing brick work</b> in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material outside IPR campus lead as per direction of Engineer-in-charge. Work shall be done with out damaging other parts of the building and services except designated part by EIC. Complete for all heights and all leads as directed by the EIC. Note: The quoted rate shall be inclusive the cost of Scaffolding as required to complete the work.</p>	item9	6.572	Cum		0.00
10	<p><b>Demolishing Cement Concrete, stone flooring</b> manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material out side IPR campus as per direction of Engineer - in- charge. Work shall be done with out damaging other parts of the building and services except designated part by EIC.</p>	item10	3.607	Cum		0.00
11	<p><b>Demolishing R.C.C.</b> work manually/ by mechanical means including cutting, stacking of steel bars and disposal of unserviceable material out side IPR campus as per direction of Engineer - in-charge. Work shall be done with out damaging other parts of the building and services except designated part by EIC.</p>	item11	1.183	Cum		0.00
12	<p><b>Dismantling doors, windows</b> and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and including stacking of serviceable material within IPR campus and disposal of unserviceable material out side IPR campus as per direction of EIC: Of area 3 sq. metres and below. Work shall be done with out damaging other parts of the building and services except designated part by EIC.</p>	item12	2.000	Each		0.00

13	Providing & Grouting of Columns/foundations bolts/ base plates/ dowel tubes / Shear keys / Joints of precast members with <b>GP2 cementitious grout (Non Shrink)</b> of approved make by suitable means ( Free flowing /pump),curing etc. Complete as per directions of Engineer-in-charge. (The payment shall be made on the basis of actual weight of approved grout injected.) Stirrer mixed cementitious grout (non shrink) of approved make in column/foundations bolts/ dowel tubes / Shear keys / Joints of precast members.	item13	240.000	Kg		0.00
14	Providing and laying of 12 mm <b>Cement Plaster</b> of mix:1:4 (1cement:4sand),Complete in all respect as directed by Engineer-In-Charge. Note: The Plaster should be of single coat Smooth Mala finished.	item14	11.660	Sqm		0.00
15	Applying <b>priming coats</b> with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre. Complete in all respect as directed by EIC.	item15	56.000	Sqm		0.00
16	Wall painting with <b>premium acrylic emulsion paint</b> of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coat or More. Complete in all respect as directed by EIC.	item16	56.000	Sqm		0.00
17	Supplying and <b>filling</b> in plinth, any other locations with <b>sand</b> under floors, including watering, ramming, consolidating and dressing complete. Complete in all respect as directed by EIC.	item17	1.026	Cum		0.00
18	25 mm thick <b>Kota stone slab flooring</b> over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing, rough complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand). Complete in all respect as directed by EIC.	item18	13.760	Sqm		0.00
19	Brick work with common burnt clay selected F.P.S. (non modular) bricks of <b>class designation 5.0</b> in <b>exposed brick work</b> including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:4 (1 cement : 4 coarse sand). Complete in all respect as directed by EIC. From ground level/plinth level up to floor V level	item19	3.858	Cum		0.00
20	Finishing with <b>Epoxy paint</b> (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On concrete work: Complete in all respect as directed by EIC.	item20	24.800	Sqm		0.00

21	Providing and fixing <b>fire resistant door frame</b> of section 143 x 57 mm having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum) all-round the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer and powder coated finish etc. Complete as per direction of Engineer-in-charge	item21	12.060	Meter		0.00
22	Providing and fixing 50 mm thick glazed <b>fire resistant door shutters</b> of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail 100 mm wide, bottom rail 200 mm wide, made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/m2) duly filled Fire Resistant insulation material (rock wool /mineral wool ) and fixing with necessary stainless steel ball bearing hinges of approved make, including applying a coat of approved fire resistant primer with powder coated finish, including all necessary items, vision panels (size 200 mm x 300 mm, 6 mm glass) etc. all complete as per direction of Engineer-in-charge.	item22	5.280	Sqm		0.00
23	Providing and fixing <b>panic bar</b> / latch (Double point) fitted with a single body, Trim Latch & Lock on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer-in-charge, all complete.	item23	2.000	Each		0.00
24	Providing and fixing aluminium extruded section body tubular type <b>universal hydraulic door closer</b> (as per IS code : 3564 / relevant IS code, suitable to single leaf fire door), with double speed adjustment with necessary accessories and screws etc. complete. Approved by the Engineer-in-charge, all complete.	item24	2.000	Each		0.00
25	Constructing <b>brick masonry chamber</b> for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design. Inside dimensions 500x 700 mm and 45 cm deep for pipe line with three or more inlets : With common burnt clay F.P.S. (non modular) bricks of class designation 5.0, Complete in all respect as directed by EIC.	item25	1.000	Each		0.00
26	<b>Extra for depth</b> beyond 45 cm of brick masonry chamber	item26	0.550	Meter		0.00

27	Supplying, assembling and fixing in any position, <b>unplasticized PVC</b> medium well casing (CM) <b>pipe</b> of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge. <b>150 mm</b> nominal size dia.	item27	7.000	Meter		0.00
28	Supplying Installation, Testing & Commissioning of lift having contract speed 1 MPS serving different floors in the lift shaft as per detailed specifications enclosed and as under: Note:- The building is (G+2) <b>A. Basic</b> Door Operation : Auto Classification: Passenger Lift Machine Room less-Gearless with Belt Number of Passengers: 6 Rated Load : min 408 Kg Control: Microprocessor Based Controller With VVVF Operations: Down Collective Speed (m/s): 1.0 Number of Stops: 3 Floors Served Front 3 No Of Opening 3 Floor marking G, 1, 2 Power Supply 400 Volts 3 Phase 50 Hertz A. C. Light Supply:230 Volts,50 Hertz Single Phase Machine Room: N/A Car Entrance Type: Opposite Side	item28	1.000	Job		0.00

29	<p><b>B. Dimensions</b>  Door Width : min 700 mm  Door Height : min 2000 mm  Shaft Width : min 1500 mm  Shaft Depth : min 1500 mm  Lift Car Width : min 1000 mm  Lift Car Depth : min 1100 mm  Lift Car Height: min 2200 mm  Travel Height : G+2 Building  Pit Depth : As per IS Standard  Headroom : As per IS Standard  Shaft Details M.S. Structure as per design and along with Toughened Glass cladding.</p> <p><b>C. Car &amp; Landing Details</b>  Car Door Type: Automatic Center Opening Big Vision  Car Door Finish : Stainless Steel- Hairline  Landing Door Type :Automatic Center Opening Big Vision  Landing Door Finish :Stainless Steel Hairline at all landings  Landing Door Frame: Stainless Steel Hairline at all landings  Car Panels - Shade / Finish Transparent Glass with Stainless Steel Frame  False Ceiling Stainless Steel- Hairline  False Ceiling - Shade / Finish LED Panel Lights  Car Ventilation- Blower  Flooring- PVC tiles  Handrail: SS mirror finish handrail on left side &amp; right side (38 mm to 50mm dia)</p>	item28a			
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30	<p>LOP: Touch  COP: Touch  Display In COP: 7 Segment  <b>D. Standard Control Functions / Features</b>  Digital Floor Position Indicator in Car and at all floors - Yes  Door Sensor -Yes  Door Open/Close Buttons In COP-Yes  Alarm Button In COP (With Battery Back-Up)-Yes  Emergency Light In Car-Yes  Intercom- Between Car &amp; Ground Floor  Auto Rescue Device In Case Of Power Failure-Yes  Auto/Attendant operation-Yes  Auto/Manual Fan and Lights On/Off -Yes  Voice Announcement system - Required  Providing and fixing Photo luminescent signage boards - as per standard/as directed by EIC.</p> <p><b>Power Supply:</b> Supply, installation, testing, fixing of Supply of 3-Phase and 1-Phase Power (Rating of switchgears and cables to be provided by the contractor as per Original Equipment Manufacturer (OEM) requirement) Supply in the lift shaft along with placing Bulkhead Light fixtures, any other accessories and Sockets and Switches at each floor. Scope of work is also including supply of material (i.e. MCB, RCCB, Cables, DB, etc.) and installation of the same.</p>	item 28b
31	<p><b>Earthing System:</b> Supply, installation, testing, commissioning of 2 nos. Copper earthing system &amp; 2 run of 25x3 mm electrical grade cu. Earthing strip up to Electrical installation, associated accessories, etc complete in all respect for the lift as per IS:3043. Earth Resistance value will be measured after installation and the same should be less as per relevant standard/lift inspector.</p> <p>Complete in all respect as per specifications and as directed by EIC.</p> <p><b>NOTE:</b> 1. The Lift shall be installed in a structural steel shaft with toughened glass cladding as per relevant IS (with latest amendment).  2. Structural Steel &amp; Toughened Glass for cladding of Shaft only shall be measured separately and paid in the respective item of Tender.</p>	item28c



32	<p><b>Designing and submission of Architectural and Structural drawings of Structural steel staircase and Structural steel lift shaft for installing 6 person capacity passenger lift for a G+2 building, from an AMC/ GMC approved qualified Structural Engineer, including liasioning and obtaining Lift license/ NOC for operation of passenger lift, from statutory body, including preparing submission drawings (in .dwg / any other format as required) or modifying existing building drawings for submission and approval etc, complete, in all respect or as directed by EIC.</b></p> <p><b>Note:</b>  1. The contractor shall submit the design drawing from structure engineer/ Architect to Institute for clearance before start of execution of work at site. Modification or suggestion if any shall be incorporated and revised drawing shall be submitted for clearance to Institute.  2. If Required, Existing Guest House building drawings shall be shared with Contractor.  3. Statutory fees for obtaining NOC from Lift Inspector/ statutory body shall be paid by Institute upon submission of challan from statutory body.</p>	item29	1.000	Lump Sum		0.00
<b>Total in Figures</b>						0.00
<b>Quoted Rate in Words</b>						INR Zero Only



r. Bidders are allowed to enter the Bidder Name and

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large. "  
or break down due to defective design, workmanship  
Engineer-in-Charge. In case it is felt by the department  
in this regard shall be final. The contractor has to  
shall be paid against this.

**TEXT #**

**TOTAL AMOUNT In Words**

**15**

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