Schedule of Quantities

NIT No. NEIST-29(502)/WE-2024

Supplying,installation, testing and commissioning of passenger lift (Elevator) in Adminitrative Building at CSIR-NEIST, Jorhat

Sl No.	Particulars of the item	Qnty	Unit	Rate in figures	Rates in words	Amount in Rs.
A	B	C	D	E	F	G=D*E
1	Supply, installation, testing and commissioning of passenger elevator (lift) for G+1 building of capacity 13 passengers with Stainless Steel (SS) cabin with glass covering, three opening doors (800mm opening), two in ground level and one on 1st floor level complete with all SS structure frame, having speed of car 1M/Sec including flooring. Necessary certification from concerned Govvt. department, complete in all respect as required and specified by department.	1	Each			
2	Wiring for light /fan/exhaust fan/call bell poit with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable with modular type switch, phenolic laminated sheet, suitable size GI box and earthing the poit with 1.5 sq.mm FRLS PVC insulated copper wires etc as required.					
2.1	Group C	4	Point			
3	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medidum class PVC conduit as required.					
3.1	2 x 2.5 sq.mm + 1 x 2.5 sq.mm earth wire	35	Mtr			
3.2	2 x 4 sq.mm + 1 x 4 sq.mm earth wire	30	Mtr			
3.3	4 x 6 sq.mm + 2 x 6 sq.mm earth wire	50	Mtr			
4	Supplying and fixing 3 pin 5A ceiling rose on the exisitng junction box/wooden block including connection etc as required.	4	Nos			
5	Supplying and fixing following sizes of Modular type switch/socket on the existing switch box including connection etc as required.					
5.1	5/6A switch	2	Nos			
5.2	15/16A switch	2	No			
5.3	3 pin 5/6A socket outlet	2	Nos			
5.4	6 pin 15/16A socket outlet	2	No			
6	Supplying and fixing following modules GI Box with modular base and cover plate for modular switches on surface/recessed etc as required.					
6.2	3 Module (100mm x 75mm)	4	Nos			
7	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415V, on surface/recess, complete with tinned copper bus bar, neutral link, earth bar, din rail, interconnections, power painted including earthing etc as required (Without MCB/isolator)					
7.1	4 way (4+12), Double Door	1	Each			
8	Supplying and fixing 5A to 32A rating, 240/415 V, 10KA, "C" curve maniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with necessary connection, testing and commissionig etc as required.					
8.1	Single pole	12	Each			
8.2	Triple pole & neutral	1	Each			

9	Supplying and fixing TP sheet sheet enclosure on surface/recessed alongwith 32A 415V "C" curve TP MCB complete with connection, testing and commissioning etc as required.	1	Each			
10	Earthing with copper plate 600mm x 600mm x 3mm thick including accessories and providing masonary enclosure with coverplate having locking arrangement and watering pipe of 2.7 Metre etc with charcoal/coke and salt as required.	2	Set			
11	Supplying and laying 25mm x 5mm size copper strip at 0.50 metre below the ground level as strip electrode including connection/terminating with nut & bolts, spring, waher etc as required. (Jointing shall be done by overlapping and 2 sets of brass nut & bolts and spring washer spaced at 50mm)	30	Mtr			
12	Supplying and fixing 240 V grade 18/20 watt 4 feet length LED tube light including frame complete with necessary connection as required.	4	Each			
13	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge. All kinds of soil	62.310	cum			
14	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: 1:6 (1cement : 6 coarse sand)	44.800	Sqm			
15	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources.	4.090	cum			
16	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Thermo-Mechanically Treated bars of grade Fe-500D or more.	3880.184	kg			
17	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	18.700	sqm			
18	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc	125.600	sqm			
19	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	70.560	sqm			
20	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete 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. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement All works upto plinth levs and profiles etc. to accommodate 3 Dimentional movement for achievi	23.172	cum			

21	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete 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. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinths and profiles etc. to accommodate 3 Dimentional movement for achieving perfect verticality	21.866	cum			
22	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:Cement mortar 1:4 (1 cement : 4 coarse sand)	2.320	cum			
23	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	3.720	cum			
24	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand)	11.400	sqm			
25	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	127.640	sqm			
26	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	111.200	sqm			
27	Wall painting with premium acrylic emulsion paint 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 coats.	24.600	sqm			
28	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	86.600	sqm			
29	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	15.000	sqm			
30	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	15.120	sqm			

31	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Light shade pigment using white cement	6.480	sqm			
32	Providing, fitting and fixing coloured anodised aluminium sliding windows and ventilators of standard sections of approved brand without horizontal glazing bars,joints mitred and welded (manufactured to relevant IS specifications) and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels.(a)3 Track sliding window (v) 5 mm coloured glass	20.010	sqm			
33	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including: (a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)- cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including: (b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimentional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers. (c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass. (d) Providing and fixing in position flashings of solid aluminium	8.320	sqm			
	Total quoted amount in Rs.					
	Rupees .....….. ….only					

NB Above rates are inclusive of all government levies.

No alternation or editing of the itemes are acceptable.

Name of the Quoted firm :

Firm GSTIN No.

Seal & Signature