

BOQ & SPECIFICATIONS FOR CIVIL WORK & SUPPLYING INSTALLATION ,TESTING AND COMMISSIONING
OF 2 NOS – 15 PASSENGER / 1020 Kgs, ELEVATORS AT STATE BANK OF INDIA, ZONAL OFFICE
JABALPUR, MP.

BOQ & SPECIFICATIONS FOR LIFT CIVIL & ELECTRICAL RENOVATION WORK AT ZONAL OFFICE JABALPUR.					
S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
1	WATER PROOFING WORK FOR LIFT DUCT				
	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of Lift Duct.,consisting of :	42.0	SQM		
	(i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) 2nd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) 3rd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).				
2	GROUTING WORK				
	Pressure Grouting with 20mm sockets , with cement and grouting admixture at every 300mm c/c in the Lift Pit, including all labour, materials, all contingencies etc complete to seal the water seepage from underground etc complete.	100.0	NOS		
3	15 mm cement plaster on the damage existing Surface including all scaffolding, material , labour etc complete				
	1:6 (1 cement: 6 fine sand)	150.00	SQM		
4	FRONT GRANITE CLADDING WORK FOR LIFT OPENING				
	Providing and laying "Granite cladding in 18 mm thick to be fixed on walls with 1:3 cement mortar after removing of existing finish & chipping of old plaster the cost shall include all materials, labour, materials, etc complete.	70.00	SQM		

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S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
5	OBD FOR LIFT WELL				
	Applying two coat of white acrylic cement primer over the existing surface inside the lift well including necessary props, ropes etc staging work, cost of materials, labour contingencies etc complete.	450	SQM		
6	Dismantling existing door opening and make as per lift door size including repair of existing damage surface and throw the waste material out side the premises etc including all material , labour etc complete	10	job		
	TOTAL AMOUNT FOR CIVIL WORK'S				
1	ELECTRICAL WORK'S				
	Providing and fixing of point wiring with One light point controlled by one switch.	30	Nos.		
2	Power Wring (6 / 16 AMP. POWER POINTS)				
	Supply, fixing, testing and commissioning of 1 No 16 A switch & 1 No.six pin 6/16 Amp. Multi Socket (Modular Type) with cover plate , sheet steel box etc on surface / concealed manner l/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. (Maximum two points are loop with one circuit as mentioned below)	12	Nos		
3	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt PHILIPS/WIPRO/CG	20	Nos		
	CABLE				
4	3.5 X 35 Sq.mm XLPE. Al. armoured Cable for Main Supply.	80	Mtr		

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S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
5	MAIN PANEL FOR LIFT WORK				
	Supplying, fixing in position, testing and commissioning of following type of 1.6mm thick sheet steel enclosed wall mounted dust and vermin proof, factory fabricated from MCB manufacturers indoor type distribution board with hinged cover(double door) with locking arrangement with al. phase bus, neutral and earth bars complete as required suitable for use at 3 phase 440V/ single phase 250V 50c/s supply.				
	INCOMER -				
	100 Amp TPN MCCB- 10 KA				
	100 Amp Bus Bar				
	1 set of indicator Lights				
	1 set of Ammeter & voltmeter				
	SET AS Above	2	NOS		
6	EXHAUST FAN				
	Supply & fixing of 230 mm exhaust fan 'Ventilator DX W' with self closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by SBI/Architect.	2	NOS		
7	SERVO STABILIZER				
	Providing and fixing 25 kva Servo Stabilizer (Three Phase) full copper based coil High/low ISI marked Cut off and over load protection	2	NOS		
	TOTAL AMOUNT FOR ELECTRICAL WORK'S				

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PASSENGER LIFTS :						
Sl. No.	DESCRIPTION OF ITEMS	QTY	UNIT	RATES	AMOUNT	
	PART-A					
1	Supplying Installation ,Testing and Commissioning of Passenger elevator of capacity of 15 persons / 1020 Kg with Machine room complete with (Johnson, Kone, Otis, Schindler, ThyssenKrupp, Mitsubishi make only) Specifications and Following requirements :					
	i Load and Speed @ 1.00 MPS.					
	ii Travel : Ground + Five Floors. (Total Six Floor)					
	Stop and Openings :					
	iii 6 Stops, 6 Openings (All opening on same side). Single Entrance car					
	iv Power supply : 415 Volts 3 Phase 50 cycle AC supply Light supply : 230 volts, 1 phase ,50 cycles, A.C.					
	v Main Drive for Car : AC variable voltage, variable frequency (VVVF)					
	vi Drive for Car door : AC variable voltage, variable frequency (VVVF)					
	vii Controls : ACV3F, 32 bit Microprocessor integated serial communication control system with RMS (Remote monitoring system)/ BMS (Building monitoring system) supporting software					
	viii Operation : Simplex, fully collective selective operation with/ without attendant					
	ix Machine : Permanent magnetic synchronous gearless motor					
	x (Car inside Dimensions) 1100 mm wide x 2150 mm deep					
	xi Car Enclosure :					
	a. Panels – Return , side and Rear : shall be fully Stainless steel body,hair line finished with a distinctive style and elegance to provide a luxurious appearance. Including rear side(Back wall) Mirror 6mm thk. Mirror glass(width of car, Ht.1200mm) (Stainless steel Moonrock finish to match the car interior at the time of execution)					
	b. Car Door : Stainless steel Moonrock finish to match the car interior at the time of execution					
	c. Flooring : Grey Vinyl Tiles.					
	d. Ceiling & Ventilation : Sheet steel with Milky white acrylic covers,					

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SI. No.	DESCRIPTION OF ITEMS	QTY	UNIT	RATES	AMOUNT
	2 nos indirect fluorescent lights, Forced Car ventilation (with fan switchin service cabinet and autocut off)				
xii	Landing Doors : Stainless steel hair line finished landing doors with provision for emergency key opening at all landings.				
xiii	Door Operation : Automatic central opening with electronic door detector.				
xiv	Car operating panel 1 Full Height Stainless Steel Face Plate Silver brushed StSt Segmented LCD display Square flush mounted KDS90				
xv	Landing Signalization Stainless Steel 7 segment display Flush Mounted Silver brushed StSt Square,flush mounted KDS90				
xvi	Signal Fixtures :				
a.	Digital Hall Button.				
b.	Position indicator and Car direction Indication (CDI).				
c.	Interphone for communication to Car.				
xvii	Other features :				
a.	Attendant Operation.				
b.	Hall Call Detection.				
c.	Automatic car return device.				
d.	Non stop button in car (Available with Attendant operation),				
e.	Inter Communication Unit				
f.	Serial Communication				
g.	Radio Interference filter.				
h.	Hall Call cut out (By software).				
i.	Door Open & Close button.				
j.	Over current protection ,				
k.	Overload and Load Non stop Device.				
l.	Battery operated Alarm Bell and Emergency Light with battery charger.				
m.	Light Ray device.				
n.	Full Car Operating Panel with digital clock & temp. display,				
o.	Voice synthesizer.				
p	Accurate releveiling, Automatic, closed door				
q	Fireman's switch etc.				
r	Car failure Operation (safe landing)				
s	Over load Warning.				
t	Infrared curtain door operation.				
u	Provision for Lighting in Lift well and Car top for maintenance and other safety features complete in all respect as per the specifications.				
v	ARD System with suitable battery , battery charger and other equipment etc complete as required./Emergency rescue device with audio announcer				

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SI. No.	DESCRIPTION OF ITEMS	QTY	UNIT	RATES	AMOUNT
xviii	Standard				
	Correction drive to next level Emergency Alarm @ Main Floor Car Call backwards Overload function, constant indication/Buzzer Bypass load Function Auto Cut off Fan and Light Manual Rescue Operation Centralized Hoisting for lesser vibration and smooth travel Pit Ladder Micro movement Led Based Buttons L.W.D. (Load Weighing Device) Direction & Position Indicator In Car & Landing Advanced Car Position Indication Automatic Brake Test function every 11hours Every run brake supervision Phase reversal functioning Signal Fixtures +10% to –10% Voltage Fluctuation Withstanding Capacity Door Close Button Door Open Button Car Emergency Light Fireman Drive Curtain of Light 169 Beams Accurate Relevelling, Automatic, Closed Door E, With emerg.opening device				
xix	Additional				
	Yes, Advanved Door Opening selected Emergency Rescue Device with audio announcer 2 Way Dedicated Intercom Nudging service Attendant Service Lift Announcer BMS Square Spot Light LED Access Control Provision Interface only Continuous, Priority call in car B, 2 Hours Fire rated Yes, Elec surge protection selected				

SI. No.	DESCRIPTION OF ITEMS	QTY	UNIT	RATES	AMOUNT
	Standard Limits for Lifts :				
	a. Rate of ACC / DEC : 1.0 M/Sec sq (Max.)				
	b. Jerk : 1.2 M/Sec Cu (Max.)				
	c. Car Vibration (Vertical / Horizontal) :20 / 6 mg (Max.)				
	d. Noice Level :				
	i. Car : 56 db (From 1 Meter distance)				
	ii. M/C Room : 75 db (From 1 Meter distance)				
	e. Level Accuracy : +/- 8 mm (Max)				
	f. Flight Time (For 3.0 Meter) : 7.0 Sec.				
	<u>LIFT WORK AS PER ABOVE SPECIFICATIONS</u>	2.00	Nos		
2	<u>BUY BACK OF EXSITING 2 NOS LIFTS</u>				
	Dismanteling of exsiting 2 Nos lifts, its accessories, and MS structure, including cost of transportation, all contingencies, including cables, car, doors etc complete. Buy Back of above etc complete	-1.00	job		
	TOTAL COST OF LIFT + INSTALLATION - BUY BACK (EXCLUDING AMC) AS PER ABOVE SPECIFICATIONS			TOTAL OF PART-A	
	<u>ABSTRACT SHEET</u>				
1	TOTAL AMOUNT FOR CIVIL WORK'S				
2	TOTAL AMOUNT FOR ELECTRICAL WORKS				
3	TOTAL AMOUNT FOR LIFT INSTALLATION WORK				
	TOTAL AMOUNT OF CIVIL + ELECTRICAL + LIFT INSTALLATION - BUY BACK (2 NOS LIFT WORKS)				

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SI. No.	DESCRIPTION OF ITEMS	QTY	UNIT	RATES	AMOUNT
	PART-B (AMC WORK'S) 2 NOS LIFTS				
SI.		Amt. of Part-'A' +% Yearly AMC Amount			
		Amount (AMC as per Yearly)			
1	For 1st Year , Elevator after the Defect liability period or One year				
2	For 2nd Year				
3	For 3rd Year				
4	For 4th Year				
5	For 5th Year				
	TOTAL AMOUNT OF PART-B				
	Note:- The Amount are excluding the GST				