

AVIATION COMPLEX AT BLUE AREA, ISLAMABAD

BILL NO. 6: ELEVATOR WORKS

BILL OF QUANTITIES

Item No.	Item Description	Unit	Qty	Unit Rate (Rs.)	Total Amount (Rs.)
(i)	(ii)	(iii)	(iv)	(v)	(vi)
ELEVATORS					
Ref Specs: Elevator-SP, 9100					
Elevator-01	Supply, installation, testing & commissioning of imported brand new Passenger/Observation Elevator, Machine Room (MR), Destination Control with Group Control System , heavy duty fully complied and certified by EN 81-20, EN 81-50 and EN 81-70 standards (EU-Type Examination Certificate-Module-B with Annexures) with minimum features including but not limited to VVVF high efficiency motor, two sides complete inside back painted glass/stainless steel hairline finish and Rear Side wall (2100*2400mm) of minimum 12mm double galzzed tempered glass , or as approved by the Engineer, indoor type for ambient condition of 0~40 °C , capacity of 1,600 kg , Cabin Size W 2,100 mm × D 1,600 mm × H 2,400 mm , speed 3.0 m/s, 32 stops/32 openings , approximate total travel height 130 m , entrance W 1200 mm × H 2,100 mm . Lift shall minimum include car, hoisting machinery, counter weights, supports, brackets, TFT/LED displays in Call Operating Panel and Landing Indicators, automatic controls, embedded parts, access ladder, separator screen & trap door, electric overload, shaft lightening, intercom system, gong, emergency operation for cabin/door, emergency rescue device (ups/battery), Energy Regenration drive system, RFID Interface provision, Access Control system (Biometric/Bar Code), Bi-directional speed governor (Up & Down), Unintended Car Movement Protection, Ascending Car Movement Protection, Communication/Interface Card and software to integrate with BMS, safety devices, manual emergency operation lever and all the essential spare parts as per Appendix-III Essential and Recommended Spare Parts for One (01) year use during defects liability period and FAT for two (02) persons complete in all respect as per specification, drawings and according to EN 81 standard compliance. Including all taxes and duties.	Each	14		
Elevator-02	Supply, installation, testing & commissioning o imported brand new Fire & Evacuation Elevator, Machine Room (MR), Simplex Control System , heavy duty fully complied and certified by EN 81-20, EN 81-50, EN 81-70, EN 81-72 and EN 81-76 standards (EU-Type Examination Certificate-Module-B with Annexures) with minimum features including but not limited to VVVF high efficiency motor, complete inside stainless steel hairline finish or as approved by the Engineer, indoor type for ambient condition of 0~40 °C , capacity of 1,600 kg , Cabin Size W 1,400 mm × D 2,400 mm × H 2,400 mm , speed 3.0 m/s, 33 stops/33 openings , approximate total travel height 135 m , entrance W 1200 mm × H 2,100 mm . Lift shall minimum include car, hoisting machinery, counter weights, supports, brackets, TFT/LED displays in Call Operating Panel and Landing Indicators, automatic controls, embedded parts, access ladder, separator screen & trap door, electric overload, shaft lightening, intercom system, gong, emergency operation for cabin/door, emergency rescue device (ups/battery), Energy Regenration drive system, RFID Interface provision, Access Control system (Biometric/Bar Code), Bi-directional speed governor (Up & Down), Unintended Car Movement Protection, Ascending Car Movement Protection, Communication/Interface Card and software to integrate with BMS, safety devices, manual emergency operation lever and all the essential spare parts as per Appendix-III Essential and Recommended Spare Parts for One (01) year use during defects liability period and FAT for two (02) persons complete in all respect as per specification, drawings and according to EN 81 standard compliance. Including all taxes and duties.	Each	2		
Elevator-03	Supply, installation, testing & commissioning of imported brand new Cargo Elevator, Machine Room (MR), Simplex Control System , heavy duty fully complied and certified by EN 81-20, EN 81-50 and EN 81-70 standards with minimum features including but not limited to VVVF high efficiency motor, complete inside stainless steel hairline finish or as approved by the Engineer, indoor type for ambient condition of 0~40 °C , capacity of 2,500 kg , Cabin Size W 1,800 mm × D 2,700 mm × H 2,400 mm , speed 1.5-1.75 m/s, 33 stops/33 openings , approximate total travel height 135 m , entrance W 1400 mm × H 2,200 mm . Lift shall minimum include car, hoisting machinery, counter weights, supports, brackets, TFT/LED displays in Call Operating Panel and Landing Indicators, automatic controls, embedded parts, access ladder, separator screen & trap door, electric overload, shaft lightening, intercom system, gong, emergency operation for cabin/door, emergency rescue device (ups/battery), Energy Regenration drive system, RFID Interface provision, Access Control system (Biometric/Bar Code), Bi-directional speed governor (Up & Down), Unintended Car Movement Protection, Ascending Car Movement Protection, Communication/Interface Card and software to integrate with BMS, safety devices, manual emergency operation lever and all the essential spare parts as per Appendix-III Essential and Recommended Spare Parts for One (01) year use during defects liability period and FAT for two (02) persons complete in all respect as per specification, drawings and according to EN 81 standard compliance. Including all taxes and duties.	Each	2		

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(i)	(ii)	(iii)	(iv)	(v)	(vi)
Elevator-04	Relevant civil & allied works including but not limited to cutting, patching, H/I beams (supply & installation), dismantling and revamping of floor/surrounding effected areas and all works required for necessary adjustments during installation of new equipment complete in all respects. All taxes, levies & duties shall be included.	Lot	1		
Elevator-05	Electrical & ancillary works for elevators, fans & air conditioners including outside distribution board with elevator, circuit breakers cables and other essential accessories etc. complete in all respects. All taxes, levies & duties shall be included.	Lot	1		
Elevator-06	Supply, installation, testing & commissioning of heat pump split air conditioner inverter type Hydrophilic blue/black fin (Minimum Capacity = 24,000 BTU/HR)	Each	18		
Elevator-07	Supply, installation, testing & commissioning of propeller type exhaust fans (Minimum Capacity = 1000 CFM)	Each	18		
Elevator-08	Third party validation for testing & commissioning of elevators in Pakistan.	Each	18		
				Total Amount (Rs.)	<u> </u>