



For PAA

For Contractor

IN CASE OF ANY CONFLICT / CONTRADICTION BETWEEN PPRA STANDARD BIDDING DOCUMENTS AND PAA BIDDING DOCUMENTS, THE PROVISIONS STIPULATED UNDER PAA BIDDING DOCUMENTS SHALL PREVAIL AND BE TREATED AS FINAL



PAKISTAN AIRPORTS AUTHORITY
JINNAH INTERNATIONAL AIRPORT
(ES E&M – MECHANICAL SECTION)

FINANCIAL **PROPOSAL**

**IMPROVEMENT / REHABILITATION OF E&M FACILITIES
OF SOUTH REGION AIRPORTS / LOCATIONS**

**PROVISIONING AND INSTALLATION OF OBSERVATORY TYPE ELEVATORS FOR WHEELCHAIR
PASSENGERS IN DOMESTIC AND INTERNATIONAL SATELLITE LOUNGES AT JIAP KARACHI**

**MISC. CIVIL WORKS FOR PROVISION OF ELEVATORS IN DOMESTIC AND & INT'L SATELLITE LOUNGES
AT JIAP KARACHI**



For PAA

For Contractor

For PAA

FINANCIAL BID

For Contractor

**IMPROVEMENT / REHABILITATION OF E&M FACILITIES
OF SOUTH REGION AIRPORTS / LOCATIONS****(S.H.-I): PROVISIONING AND INSTALLATION OF OBSERVATORY TYPE ELEVATORS FOR WHEELCHAIR
PASSENGERS IN DOMESTIC AND INTERNATIONAL SATELLITE LOUNGES AT JIAP KARACHI****BILL OF QUANTITY / SCHEDULE OF PRICE**

<u>Sr.</u>	<u>DESCRIPTION</u>	<u>U.O.M</u>	<u>QTY (A)</u>	<u>RATE (B)</u>		<u>AMOUNT</u>
				(In Figures)	(In Words)	(A x B)
1.	Provisioning, installation, alignment, balancing of customized steel-glass hoistway/ elevator shaft; fully compatible with Elevator (vide BOQ # 02) for supporting car cabin structure and functional movement. The job covers provisioning and safe utilization of all necessary tools/ equipment including but not limited to hanging rigger assemblies, fitting, measurement, cutting, fastening, anchoring tools/equipment. The Job also includes complete alignment of steel hoistway columns, anchoring of steel columns with available slabs of building, pit/ foundations, side walls (without damaging). The job covers provisioning and installation of tempered glass panels, with proper attachments, gaskets, nuts/bolts, accessories etc, for holding onto steel hoistway columns. (Ref: Technical Specifications . The Job also includes all allied civil, Mechanical & Electrical works required to be executed during installation at site as a complete job.	Job	04			
2.	Provisioning, Installation, Testing and Commissioning of latest version of Variable Voltage Variable frequency (VVVF) controlled traction type MRL elevator having 1-1.5m/s traveling speed and capacity 1000 kg (min.) which must meet or exceed the parameters defined in Technical Specifications (Ref: Technical Specifications . The mentioned job covers provisioning and safe utilization of all necessary tools/ equipment including hanging pulleys, rigger assemblies and suitable carriage vehicle for Installation of Elevator. The Job covers necessary scope of safe Installation of car cabin and its associated mechanisms including safety governor, ropes, pulleys, brakes and allied electrical and control wiring and panels. The Job also includes all allied civil, Mechanical & Electrical works required to be executed during installation at site as a complete job.	Job	04			
	Total of Sub Head – I:					

Total Amount in words :

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Sr. Joint Director (Mech) – JIAP
ES (E&M) JIAP – Karachi



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FINANCIAL BID

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**IMPROVEMENT / REHABILITATION OF E&M FACILITIES
OF SOUTH REGION AIRPORTS / LOCATIONS****(S.H-II): MISC. CIVIL WORKS FOR PROVISION OF ELEVATORS IN DOMESTIC AND
INTERNATIONAL SATELLITE LOUNGES AT JIAP KARACHI****BILL OF QUANTITIES / SCHEDULE OF PRICE**

Sr.	<u>DESCRIPTION</u>	<u>U.O.M</u>	<u>QTY</u> (A)	<u>RATE</u> (B)		<u>AMOUNT</u>
				(In Figures)	(In Words)	(A x B)
1.	Dismantling wooden trusses including rafters, battens and purlins wooden wall plate etc. in any floor and stacking serviceable material and disposing of unserviceable stuff as directed within three chains (91.5 m).	P/Cft	28 Cft			
2.	Taking down carefully glass panes 8mm to 12mm thick including removing SS clips and shifting to PAA store as directed by the Engineer Incharge.	P/Sft	207 Sft			
3.	Dismantling cement tiled floor, dado or skirting in basement plinth and ground floor including base mortar and stacking salvaged material (serviceable) and disposing of surplus stuff as directed within three chains.	P/Sft	549 Sft			
4.	Dismantling R.C.C. including separating reinforcement from concrete in foundation, basement, plinth and ground floor including stacking at site and disposing of unserviceable material within three chains.	P/Cft	360 Cft			
5.	Dismantling C.C. work cast in situ: in foundation, basement plinth and ground floor including disposing of the material as directed within three chains.	P/Cft	60 Cft			
6.	Dismantling lime or cement concrete in foundation or under floor basement, plinth and ground floor and disposing of surplus material as directed within three chains.	P/Cft	188 Cft			
7.	Dismantling of stone metalling from existing road from where bitumen carpet has already been removed and stacking the useful material within one chain (30.5 m) lead including disposal of surplus stuff within 3 chains (91 m) lead as desired.	P/Cft	60 Cft			
8.	Excavation in all kinds of soil, murum, hard, average or soft including lift up to 5 feet (1.52 m) and lead up to one chain (30:48 m).	P/Cft	1530 Cft			
9.	--do-- but lift beyond 5ft and upto 8ft.	100 P/Cft	435 Cft			

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				(In Figures)	(In Words)	
10.	Cartage of sand, bajri, lime, surkhi, murum, manure earth, building rubbish including loading, unloading and stacking at site: by mechanical means upto 3 miles (4.8Km).	P/Cft	2285 Cft			
11.	Providing and laying 1:4:8 (1 cement 4 sand and 8 coarse aggregate) cement concrete using graded gravel (bajri) 1 inch (25 mm) and down gauge in foundation including leveling, compacting and curing etc. complete.	P/Cft	124 Cft			
12.	P/L RCC using crushed graded boulders 3/4 inch (19mm) and down gauge having a minimum works cube crushing strength of 3000 lbs. per sq inch at 28 days with a mix not leaner than 1:2:4 in Raft or Strip foundation with columns and pillars of any shape including from work and its removal, compacting and curing etc. complete but excluding the cost of reinforcement in foundation basement and plinth.	P/Cft	248 Cft			
13	--- do --- but in straight walls vertical fins etc. 5 inches to 6 thick in ground floor.	P/Cft	264 Cft			
14	--- do --- but in straight beams, lintols, cantilever beams in 1 st floor.	P/Cft	42 Cft			
15	--- do --- but in ordinary slab 5 inches to less than 6 inches thick in 1 st floor.	P/Cft	91 Cft			
16.	Providing and laying cold work twisted ribbed steel reinforcement bars with minimum yield stress of 60,000 psi with and including the cost of straightening, cutting, bending binding, wastage, complete in all kinds of RCC work.	P/Kg	1859 Kg			
17.	Providing and fixing plain polyvinyl chloride (PVC) water stops 12" wide in vertical or horizontal expansion joints including cutting and jointing etc. complete in all floors.	P/Rft	102 Rft			
18.	Providing and laying dado and skirting etc. 1 inch thick consisting of 1/2 inch thick topping 1:2 (one grey cement and two marble chips 0 to 4 No.) in ground floor over 1/2 inch thick cement mortar base 1:4 with grinding, rubbing, polishing and curing etc. complete.	P/Sft	520 Sft			

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				(In Figures)	(In Words)	(A x B)
19.	Providing and laying terrazzo floor 1-1/2 inches thick consisting of 1/2 inch thick topping 1:2 (one grey cement and two approved marble chips No. 0 to 4) in ground floor over a base of 1:2:4 (one cement, two sand and four screened graded bajri) cement concrete 1 inch (25 mm) thick laid in panels or pattern including form work, curing, cutting, rubbing and polishing etc. complete.	P/Sft	409 Sft			
20.	Plastering 1" thick in patches in cement sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish from the site etc. complete as per direction of Engineer-in-Charge in any floor.	P/Sft	122 Sft			
21.	Repainting two coats with plastic emulsion paint of (ICI) Dulux make and shade to walls and ceiling including cleaning, and sand papering the surface as directed by the Engineer-in-charge in any floor.	P/Sft	2827 Sft			
	Total of Sub Head – II:					

TOTAL FOR SUB HEAD-I (MECHANICAL WORKS) = Rs. _____

TOTAL FOR SUB HEAD-II (CIVIL WORKS) = Rs. _____

GRAND TOTAL (SUB HEAD I & II) = **Rs.** _____

Total in Words : __________
_____Sr. Joint Director (Mech) – JIAP
ES (E&M) JIAP – Karachi

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