

AL-HAMD INTERNATIONAL (AICT) LTD
B.O.Q OF FIRE FIGHTING & PLUMBING SYSTEM FOR AL HAMD INTERNATIONAL KARACHI.

S. No.	DESCRIPTION	QTY	UNIT RATE (RS)		AMOUNT(RS)		
			COST OF SUPPLY	COST OF INSTALLATION	COST OF SUPPLY	COST OF INSTALLATION	TOTAL COST
			4	5	6	7	8
1	2	3					
PART-A FIRE FIGHTING SYSTEM							
1	Supply, installation, testing & commissioning of Fire Pump Skid Mounted Package set complete with Electric, Diesel & Jockey pump including Bacnet Control panel, fuel tank all special fitting, Painting and hangers complete in all respects as per drawing & specifications. (500GPM & 10BAR)	1 Set	-	287,500	-	287,500	287,500
2	Supply & Installed of Fire Hose Cabinets including automatic 25mm diameter Hose Reel, Nozzle, 25mm Lock Shield Valve, 25mm Pressure Reducing Valve Complete in all respects as shown on drawings & specification.	6 Nos.	201,250	10,350	1,207,500	62,100	1,269,600
3	Supply, installation, testing & commissioning of 4-way Fire Department Connection Including all accessories complete in all respects as shown on Drawings / Specifications.	1 No.	109,250	17,250	109,250	17,250	126,500
4	Supply, installation, of OS & Y Gate valve Including all accessories complete in all respects as shown on Drawings / Specifications.	Nos.					
i.	Dia 2 1/2"	6	86,250	5,750	517,500	34,500	552,000
ii.	Check Valve Dia 6"	1	63,250	5,750	63,250	5,750	69,000
5	Supply, installation and commission of seamless M.S ASTM grade B, schedule 40 Fire piping including all special fitting, Painting and hangers complete in all respects show on drawing & specifications.	Rft.					
i.	Dia 6"	20	2,243	299	44,850	5,980	50,830
ii.	Dia 4"	450	1,714	276	771,075	124,200	895,275
iii.	Dia 2 1/2"	150	1,484	253	222,525	37,950	260,475
6	Motor Control Center-1 (M.C.C. 20 KW, 40 AMP TPN with 2 earthing points) for Fire Pump	1	-	-	-	-	-

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			COST OF SUPPLY	COST OF INSTALLATION	COST OF SUPPLY	COST OF INSTALLATION	TOTAL COST	TOTAL COST
7	Supply & Installation of Wall Mounted Fire Extinguisher with hangers as per drawing and specification.	Nos.						
i.	6 Kg Dry Powder Extinguisher	14	16,100	3,450	225,400	48,300	273,700	
ii.	6 Kg CO2 Fire Extinguisher	14	15,525	3,450	217,350	48,300	265,650	
TOTAL COST PART - A (RS)								
PART-B PLUMBING SYSTEM								
		Nos.						
1	Supply and installation of O.H. Transfer pumps complete with accessories as per drawings and specifications. (50gpm, 70ft Head)	2	327,750	5,750	655,500	11,500	667,000	
2	Supply and installation of Submersible pumps complete with accessories as per drawings and specifications. (5gpm, 20ft Head)	2	166,750	5,750	333,500	11,500	345,000	
3	Supply and installation of Water closets European style with close coupled cistern, cistern fittings, acrylic seat cover complete with all respect.	20	32,200	3,450	644,000	69,000	713,000	
4	Supply & Installation of counter top Wash Basin with Waste, Bottle Trap & Tee Stop-Cocks complete with all respect.	15	22,425	3,450	336,375	51,750	388,125	
5	Supply & Installation of Wash Basin Single Lever Mixer complete with all respect	15	14,375	3,450	215,625	51,750	267,375	
6	Supply & Installation of S.S Sink Single Lever Mixer complete with all respect	5	36,800	2,300	184,000	11,500	195,500	
7	Supply & Installation of Towel Dispenser (SS body) complete with all respect	15	7,475	1,150	112,125	17,250	129,375	
8	Supply & Installation of WC Hand Operated Shower With Angle Valve complete with all respect	20	5,635	1,380	112,700	27,600	140,300	
9	Supply & Installation of Sanitizer -Automatic.	15	9,775	1,955	146,625	29,325	175,950	
10	Supply & Installation of SS Sink, Waste, Bottle Trap and Tee-Stop Cocks complete with all respect.	5	6,900	1,380	34,500	6,900	41,400	
11	Supply & Installation of Toilet Roll Holder.	20	2,185	805	43,700	16,100	59,800	
12	Supply & Installation of Soap Dispenser.	20	2,185	1,035	43,700	20,700	64,400	

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			COST OF SUPPLY	COST OF INSTALLATION	COST OF SUPPLY	COST OF INSTALLATION	TOTAL COST
13	Supply & Installation of Hand Dryer.	10	14,375	3,450	143,750	34,500	178,250
14	Supply & Installation of S.Steel Robe hooks.	20	1,610	690	32,200	13,800	46,000
15	Supply and installation of C.P Tee valves, for cistern water inlet CP connectors with nuts and fittings.	55	1,668	230	91,713	12,650	104,363
16	WATER DISTRIBUTION SYSTEM						
a.	Supply and installation of PPR PN 20 piping for cold & Hot water system, with fittings, specialties, including all cutting, fitting, fixing and cleaning, wall and slab sleeves/Core Cutting, CP clamps, hangers and supports, making connection with fixtures, valves and specialties, chiseling, making wall an floor openings and making good, pressure testing at a pressure of 250 psig, painting of exposed piping in occupied areas with primer and coats of approved paint in approved color complete in all respect.	Rft.					
i.	3" diameter	80	391	104	31,280	8,280	39,560
ii.	2" diameter	80	322	104	25,760	8,280	34,040
iii.	1 1/2" diameter	20	299	104	5,980	2,070	8,050
iv.	1 1/4" diameter	40	276	104	11,040	4,140	15,180
v.	1" diameter	40	242	104	9,660	4,140	13,800
vi.	3/4" diameter	375	196	104	73,313	38,813	112,125
b.	Gate Valve	Nos.					
i.	3" diameter	3	19,550	1,725	58,650	5,175	63,825
ii.	2" diameter	4	14,950	1,725	59,800	6,900	66,700
iii.	1 1/2" diameter	5	8,625	2,300	43,125	11,500	54,625
c.	Y-Strainers	Nos.					

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			COST OF SUPPLY	COST OF INSTALLATION		COST OF SUPPLY	COST OF INSTALLATION	TOTAL COST
i.	2" diameter	2	13,225	2,300		26,450	4,600	31,050
d	Float Valve	No.						
i.	2" diameter	1	19,550	2,300		19,550	2,300	21,850
e.	Foot Valve	No.						
i.	2" diameter	1	10,350	2,300		10,350	2,300	12,650
17	SOIL, WASTE AND VENT SYSTEM							
a.	Supply and installation of UPVC Class D piping including all fittings, sockets, hangers and specials for soil, waste & vent stacks and horizontal runs buried in ground or above false ceiling, in shafts exposed or concealed in floors and walls and connecting to manholes, including cutting, fitting, chiseling, wall and slab sleeves/Core Cutting, making good, fixing and cleaning, wall and slab openings complete in all respect.	Rft						
i.	6" diameter	20	1,150	230		23,000	4,600	27,600
ii.	4" diameter	170	909	115		154,445	19,550	173,995
iii.	3" diameter	160	794	115		126,960	18,400	145,360
iv.	2" diameter	215	391	115		84,065	24,725	108,790
v.	1 1/2" diameter	135	345	115		46,575	15,525	62,100
18	Supply & installation of Vent cowl complete with all respect as per drawing & specification.	3	2,875	575		8,625	1,725	10,350

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			COST OF SUPPLY	COST OF INSTALLATION	COST OF SUPPLY	COST OF INSTALLATION	TOTAL COST
19	Supply and installation of Floor Drain with Trap complete in all respect.	Nos.					
a.	2" dia (Balcony Drain)	8	3,450	1,150	27,600	9,200	36,800
b.	3" dia	35	4,025	1,150	140,875	40,250	181,125
c.	4" dia (ROOF DRAIN)	2	4,600	1,150	9,200	2,300	11,500
20	Supply and installation of Clean Out complete in all respect.	Nos.					
i.	3" dia	6	3,450	575	20,700	3,450	24,150
ii.	4" dia	6	4,025	805	24,150	4,830	28,980
21	Supply & installation of M.H. complete with all respect as per drawing & specification.	2	31,050	8,050	62,100	16,100	78,200
22	Supply & installation of Floor Gully with Trap complete with all respect as per drawing & specification.	2	13,800	5,750	27,600	11,500	39,100
23	Stainless Steel Grease Trap for Kitchen Installed Below Sink on Floor (Size = 12" L x 18" W x 18" H)	5 Nos.	86,250	5,750	431,250	28,750	460,000
24	Excavation and back filling for the sewerage and plumbing pipes as per drawings and specifications.	1 Lot	143,750	28,750	143,750	28,750	172,500
SUB-TOTAL-B (PLUMBING SYSTEM)							
PART-C NATURAL GAS SUPPLY SYSTEM							
1	Supply & Installation of M.S Piping Schedule- 40 for Natural Gas System complete with Specialties, wall and slab sleeves/Core Cutting, fitting & hanger supports etc. as per specification and drawings.	70	2,530	575	177,100	40,250	217,350
i	3/4" diameter	65	230	161	14,950	10,465	25,415

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b.	Gas Cock/Plug Valves	Nos.					
i	3/4" diameter	5	1,725	575	8,625	2,875	11,500
SUB. TOTAL-C (NATURAL GAS SYSTEM)							
PART-D GENERAL ITEMS							
1	Equipment foundation, lifting & shifting charges from Ground floor to foundation pads as per specification and drawings.	1 Job.	86,250	5,750	86,250	5,750	92,000
2	Stencilling, Painting & Finishing as per specification.	1 Job.	51,750	8,050	51,750	8,050	59,800
3	M&P Services Shop drawings & As Built Drawings Color Copies. (Minimum scale 1-1/8")	4 Sets	11,500	3,450	46,000	13,800	59,800
4	Hard Copy and Soft Copy in Autocad format in CD						
4	Fire Stopping of Walls & Structure Openings (For Small Openings - Hilti FS - ONE or Approved Equivalent)	1 Job.	57,500	5,750	57,500	5,750	63,250
5	Cost of testing, Starting up, commissioning, balancing, adjusting and handling over of the complete Plant.	1 Job.	88,550	8,050	88,550	8,050	96,600
SUB. TOTAL-D (GENERAL ITEM)							
SUB TOTAL PART A, B, C & D (RS.)							
							10,226,088

NOTES

- The Contractor shall be responsible for the supply, procurement and delivery of all the material and shifting of the equipment to their respective location, installation, testing, commissioning of the systems in all respects.
- The quoted cost should include all overheads, profits, income tax and all other Taxes which are applicable, import duty (if any), insurance, packing, unpacking, transportation charges etc.
- The work at site shall be executed in accordance with the approved shop drawings which will be prepared by the Contractor.
- The work at site shall be executed in accordance with the approved shop drawings which will be prepared by the Contractor within 1 week after award of works and Manufacturers drawings, Contract Specifications etc.
- The work shall be awarded on item Rate cost basis.
- The complete system complete replacement warranty should be minimum 2years.
- The contractor will provide Equipment Operation & Maintenance Manuals (2 sets Hard copy & Soft Copy.)
- The contractor will provide Operation & Maintenance Instructions to Clients Representatives
- The Owner reserves the right to delete any item before award of works. The cost of such items shall be reduced.

Abbreviation used in the BOQ are as follows:

- Sq. Ft. Square Feet, (b) R. Feet. Running Feet, (c) Ton. Ton weight, (d) TR. Ton of refrigeration, (e) No. Number, (f) Lot. Complete package/lump sum.