

Medical Teaching Institution (MTI)

Khyber Teaching Hospital (KTH)

Peshawar

Contact No: 091-9224400

BID SOLICITATION DOCUMENTS

For

Materials Required for Annual Maintenance / Overhauling of AC Plant 2023-2024

Note: The prospective bidder is expected to examine the Bidding Documents carefully, including all Instructions, Terms & Conditions, and Specifications etc. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

INTRODUCTION:

Medical Teaching Institution (MTI)/ Khyber Teaching Hospital Peshawar invites. Sealed bids From the eligible bidders for Hospital under Open Competitive Bidding under rule 6(2) (a) **“Single Stage Single Envelope”** bidding procedures of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rules 2014.

1) INSTRUCTIONS TO BIDDERS:

1. This Bidding procedure will be conducted in light of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Laws, Rules made there under, along with Standard Bidding Documents.
2. The bids will be opened on 31-5-23 in presence of the bidders/representatives who choose to attend
3. Any bid received after the deadline for submission of bids shall not be entertained and shall be returned unopened to the Bidder.
4. The bid should be complete in all respect and must be signed by the bidder.
5. All prices quoted must be in Pak Rupees (PKR) and should include all applicable taxes. If not specifically mentioned in the Quotation, it will be presumed that the prices include all the taxes. GST shall be included where applicable
6. Bidders are essentially required to provide correct and latest postal/email/web addresses, phone/mobile/fax numbers for actively and timely communication.
7. For any query, clarification regarding Services / Bid Solicitation Documents, the applicants may send a written request at least one day prior to the opening date.
8. The Bidder may after its submission withdraw its bid prior to the expiry of the deadline prescribed for submission of bids. Withdrawn bids will be returned unopened to the Bidders.
9. Any bid not received as per terms and conditions laid down in this document are liable to be ignored. No offer shall be considered if:
 - a. Received without earnest money;
 - b. It is received after the date and time fixed for its receipt;
 - c. The offer is ambiguous;
 - d. The offer is conditional i.e. advance payment, or currency fluctuations etc.;
 - e. The offer is from blacklisted firm in any Federal / Provincial Govt. Deptt:
 - f. Only typed tender on original prescribing letter pad, sealed & signed should be submitted, the quoted Price must be pre printed and hand written quoted price will not be acceptable. The tenders must be according to hospital specification; alternate rates (**Double rates for single Items**) will not be accepted.

10. Bids will be rejected if the Bid is in some way connected with bids submitted under names different from his own.
11. In case of Bid Tie, the decision will be taken by making toss/draw/Recall sealed quotation in front of the bidders.
12. Any direct or indirect effort by a bidding firm to influence this institution during the process of selection of a bidder or award of contract may besides rejection of its bid result into its disqualification from participation in the KTH Peshawar's future bids.
13. The brand name must be mentioned on each quoted item.

2) **ELIGIBILITY CRITERIA:**

- Bidders must give compliance to the below mentioned clauses as these are mandatory to being eligible for the bidding process. Relevant certificates must be attached.
- The bidder must be registered with Income, Sales Tax Department, reflected as Active Tax Payer on the list of FBR.NTN and for services KNTN.
- The bidder shall provide an undertaking that the bidder has not been declared black listed by any Governmental/ Semi-Governmental institutions.
- Bidders shall not be eligible to bid if they are under a declaration of Ineligibility for corrupt and fraudulent practices issued by any government organization in accordance with the Section 44(1) KPP Rules 2014.
- **Local office (Peshawar)**

3. GENERAL CONDITIONS: -

1. KTH Peshawar shall evaluate the bid in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements.
2. Alternative bid shall not be considered and shall be rejected by the Competent Authority.
3. At any time prior to the deadline for submission of bids, KTH Peshawar may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.
4. If a bid is not substantially responsive, it will be rejected by the Procuring Entity and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
5. KTH MTI Peshawar may accept or reject any or all of the bids under Rule 47 of KPPRA Rules, 2014.

**Khyber Teaching Hospital
Medical Teaching institute
Peshawar**

Phone: 091-9224400

INVITATION FOR BIDS

Hospital Director, Medical Teaching Institute, **Khyber Teaching Hospital Peshawar** Invites sealed tenders under National Competitive Bidding for the procurement of Materials Required for Annual Maintenance / Overhauling of AC Plant for Hospital, under rule 6(2)(a) **“single stage Single envelope procedure”** of KPPRA Rules 2014, from Income / Sales tax, reflected on Active Taxpayer List of FBR.

The bidders are required to submit bid security Rs-100,000/- in shape of Call Deposit Receipt (CDR) in the name of Hospital Director KTH Peshawar.

The tenders complete in all respect must reach the undersigned by 10:00 hrs on 31-05-23, which will be opened at 10:30 hrs on the same day in conference room in the presence of the procurement committee and the bidders / representatives who may choose to attend.

Competent Authority reserves the right to reject any or all the bids as per provisions contained in Rule 47 of KPPRA Rules 2014.

4. BID Security

Bid security Rs-**100,000/-** in shape of Call Deposit refundable drawn in favor of "Hospital Director KTH Hospital"

The bid security may be forfeited:

- i) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or
- ii) In the case of a successful Bidder, if the Bidder fails to sign the contract
- iii) If a successful Bidder unable to supply the items after issuance of 3 reminders, order will be placed to the next lowest bidder.

5. BID VALIDITY:

- i) The bids should be valid for a period of 90 Days.
- ii) In exceptional circumstances, KTH Hospital may solicit the Bidder's consent to an extension of the period of validity reasons shall be recorded in writing. The request and the responses there to shall be made in writing. The bid security provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

6. BID VALIDITY:

Rates approved will be valid till 30-06-2024.

Sr No.	Item	Brands	Unit	Price
1	Solution Motor pump with installation	Best Quality Approved by the Engineer	No's	
2	Solution Motor pump with installation	Best Quality Approved by the Engineer	No's	
3	Refrigerant Motor Pump with installation	Best Quality Approved by the Engineer	No's	
4	Vacuum motor pump With Hose Pipe with installation	Best Quality Approved by the Engineer	No's	
5	Chilled Water Pump 90 KW	Best Quality Approved by the Engineer		
6	Condenser Water Pump 45 KW	Best Quality Approved by the Engineer		
7	Push Button	Best Quality Approved by the Engineer		
8	Burner Gas Motor with installation	Best Quality Approved by the Engineer	No's	
9	Burner Diesel motor with installation	Best Quality Approved by the Engineer	No's	
10	Diaphragm valve 1 1/2" (MS)	Best Quality Approved by the Engineer	No's	
11	Diaphragm valve 3/4" (MS)	Best Quality Approved by the Engineer	No's	
12	Solution bypass valve	Best Quality Approved by the Engineer	No's	
13	Oil pre heater with installation	Best Quality Approved by the Engineer	No's	

14	Bms programmer with installation	Best Quality Approved by the Engineer	No's	
15	Display card	Best Quality Approved by the Engineer	No's	
16	Ignition transformer	Best Quality Approved by the Engineer	No's	
17	Footless level switch 1"	Best Quality Approved by the Engineer	No's	
18	Ignition rod	Best Quality Approved by the Engineer	No's	
19	Ignition plug	Best Quality Approved by the Engineer	No's	
20	Ignition Cable	Best Quality Approved by the Engineer	No's	
21	Damper motor	Best Quality Approved by the Engineer	No's	
22	Chiller PLC Hitachi Japan with installation	As Per Sample	No's	
23	Chiller Programmer with installation	As Per Sample	No's	
24	BMS Controller with installation	As Per Sample	No's	
25	Chiller Exhaust Sensor Threaded 1/2"	As Per Sample	No's	
26	Chiller Evaporator Sensor Chip Type	As Per Sample	No's	
27	Chiller Absorber Sensor Chip Type	As Per Sample	No's	

28	Chiller Condensor Sensor Chip Type	As Per Sample	No's	
29	Flow Switch for water line	Kitz, Tozen, Crane or Equivalent approved by the Engineer	No's	
30	3 Way motorized valve 1-1/2"		No's	
31	3 Way motorized valve 2"		No's	
32	3 Way motorized valve 1-1/4"		No's	
33	Gate valve 1-1/2" (Threaded, Brass)		No's	
34	Gate valve 1-1/4" (Threaded, Brass)		No's	
35	Gate valve 2" (Threaded, Brass)		No's	
36	MS Gate valve 3" (Flange Type) with installation		No's	
37	MS Gate valve 4" (Flange Type) with installation		No's	
38	MS Gate valve 6" (Flange Type) with installation		No's	
39	MS Gate valve 8" (Flange Type) with installation		No's	
40	MS Gate valve 10" (Flange Type) with installation		No's	
41	Balancing Valve 3/4", 1", 1-1/4", 1-1/2", 2", 3", 4", 5", 6", 8", 10" with installation		No's	

42	Ball valve 1/4"		No's	
43	Ball valve 1/2" (Brass)		No's	
44	Ball valve 3/4" (Brass)		No's	
45	Ball valve 1" (Brass)		No's	
46	Temperature gauges 0-100 C		No's	
47	Pressure gauges 0-150Psi		No's	
48	Solenoid valve 1/2"		No's	
49	Solenoid valve 1-1/2"		No's	
50	Gas pressure switch 1/4"		No's	
51	Chilled water temperature sensor 1/2" (Steel)		No's	
52	Chilled water temperature sensor 3/4" (Steel)		No's	
53	Vacuum Oil		Kg	
54	Pressure Relief Valve PRV 1"		No's	
55	Pressure Reducing Valve 1"		No's	

56	Air Vent ¾", 1"		No's	
57	Brass Non Return Valve 1"		No's	
58	MS Non Return Valve 8"		No's	
59	MS Non Return Valve 10"		No's	
60	Pulley 4" to 10 "		No's	
61	Chain Block 3 Ton ,5,10 ton		No's	
62	Armaflex Or Pipe Insulation for Piping ¾" to 14"	Afico, Kimmco, Owens or Equivalent approved by the Engineer		
63	MS Pipe Schedule 40 ¾ to 10"	ILL, jamal Pipe Industries or Approved equal	RFT	
64	Gasket	As Per Sample	RFT	
65	Strainer ¾",1",1-1/4" ,2".3",4",6"	Kitz, Tozen, Crane or Equivalent approved by the Engineer	No's	
66	Duct Insulation 1"	Best Quality	Mtr	
67	Convas Cloth	Best Quality	Yrd	
68	Threaded Rods	Best Quality	RFT	
69	Fishers 8mm, 10mm,12mm, 14mm,16mm	best Quality	No's	

70	Iron Angle 1", 1-1/4", 1-1/2", 2"	Best Quality	RFT	
71	Nut Bolts & Washers 8mm, 10mm, 12mm, 14mm, 16mm	Best Quality	No's	
72	GI Sheet Installation & Cladding with installation	Best Quality		
73	Fresh Air Filters	As Per Sample	No's	
74	Hepa Filters	As Per Sample	No's	
75	Bag Filters	As Per Sample	No's	
76	FCU Filters	As Per Sample	No's	
77	Cassette Type Unit filters	As Per Sample	No's	
78	Ball Baring 6314	best Quality Approved by the Engineer	No's	
79	Ball Baring 6313	best Quality Approved by the Engineer	No's	
80	Ball Baring 6317	best Quality Approved by the Engineer	No's	
81	Ball Baring 6200	best Quality Approved by the Engineer	No's	
82	Ball Baring 6202	best Quality Approved by the Engineer	No's	
83	V Belts For AHU	best Quality Approved by the Engineer	No's	

84	Circuit Breaker (06Amp)	best Quality Approved by the Engineer	No's	
85	Circuit Breaker (10Amp)	best Quality Approved by the Engineer	No's	
86	Circuit Breaker (16Amp)	best Quality Approved by the Engineer	No's	
87	Circuit Breaker (20Amp)	best Quality Approved by the Engineer	No's	
88	Circuit Breaker (30Amp)	best Quality Approved by the Engineer	No's	
89	Circuit Breaker (32Amp)	best Quality Approved by the Engineer	No's	
90	Circuit Breaker (40Amp)	best Quality Approved by the Engineer	No's	
91	Circuit Breaker (50Amp)	best Quality Approved by the Engineer	No's	
92	Circuit Breaker (125Amp)	best Quality Approved by the Engineer	No's	
93	Circuit Breaker (200Amp)	best Quality Approved by the Engineer	No's	
94	Circuit Breaker (225Amp)	best Quality Approved by the Engineer	No's	
95	Circuit Breaker (630Amp)	best Quality Approved by the Engineer	No's	
96	Overload Relay	Panasonic, Schneider, Siemens or Approved by the Engineer	No's	
97	Magnetic Contactor 3 pole	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	

98	Magnatic Contactor (130A/37KW)	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
99	Magnatic Contactor (11A/2.5KW)	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
100	Magnatic Contactor (22A/5.5KW)	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
101	Magnatic Contactor (18A/4.5KW)	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
102	AHU Motor rewinding Per Kw	Panasonic,Schneider,Siemens or Approved by the Engineer	KW	
103	FCU Thermostat	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
104	FCU Electronic card	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
105	Cassette Type Unit Card	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
106	Cartage Fuse 5amp, 2amp	Panasonic,Schneider,Siemens or Approved by the Engineer	Set	
107	Motorized Valve actuator for FCU Units	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
108	AHU Motor	As Per Sample	No's	
109	MAHU Blower motor	As Per Sample	No's	
110	FCU motor single & double blower 220v	As Per Sample	No's	
111	Electronic card for Cassette type unit	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	

112	Motor coupling	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
113	Rubber Disc	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
114	Flow switch 1"	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
115	Volt meter	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
116	Ampere meter	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
117	Indicator bulbs 220v, red, green, yellow, blow	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
118	Selector switch auto, manual	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
119	Chemical dosing pump 220v	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
120	Transformer (in voltage380v,440v, 220. Out 120,200,220v	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
121	Duct Temperature sensor	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
122	Humidity sensor	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
123	Room temperature sensor	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
124	Immersion temperature Sensor	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
125	Fire State with manual Reset	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	

126	Room humidity sensor	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
127	Timer 1-6minutes , 250v	Panasonic,Schneider,Siemens or Approved by the Engineer	No's	
128	Cooling Tower fins	As Per Sample	No's	
129	Cooling Tower fan blades	As Per Sample	No's	
130	Cooling Tower Moter	As Per Sample	No's	
131	V belt A32 to A40	As Per Sample		
132	V belt B32 to B34	As Per Sample		
133	V belt A 175 for cooling Tower	As Per Sample		
134	V belt A95 for cooling Tower	As Per Sample		
135	V belt B75 for cooling Tower	As Per Sample		
136	Brass Float valve 1-1/2"	As Per Sample	No's	
137	Split Unit Circuit	Best Quality	No's	
138	Expansion Valve	Best Quality	No's	
139	Refrigerant Gas Cylinder R32	Honeywell, genetron, Success	Kg	

140	Refrigerant Gas Cylinder R34	Honeywell, genetron, Success		
141	Refrigerant Gas Cylinder R410	Honeywell, genetron, Success		
142	Refrigerant Gas Cylinder R407A	Honeywell, genetron, Success		
143	Refrigerant Gas Cylinder R22	Honeywell, genetron, Success		
144	Low Pressure Guage			
145	High Pressure Guage			
146	Copper Pipe with insulatio ½", ¼", 3/8", 5/8"	Best Quality		
147	UPVC Pipe ½", ¾", 1"	Best Quality	RFT	
148	Split Unit Electronic Card	Best Quality	No's	
149	Capacitor for split Unit	Best Quality	No's	
150	Centrifugal Exhaust Fan	Aerotech, Pak fan, Royal or Approved equal	No's	
151	Flexible Duct 8", 10", 12"	Best Quality	Rft	
152	Diffuser 12"x12", 16"x16, 24"x24"	Best Quality	No's	
153	Flexible Connector 6"	Best Quality	Rft	

154	VCD	Best Quality	Sft	
155	Sound Liner	Best Quality	Sft	
156	L-Key valve ½", ¾"	best Quality Approved by the Engineer	No's	
157	Water cooler	best Quality Approved by the Engineer	No's	
158	Tool Bag	best Quality Approved by the Engineer	No's	
159	Multi meter	best Quality Approved by the Engineer	No's	
160	Knife	best Quality Approved by the Engineer	No's	
161	Strap gun	best Quality Approved by the Engineer	No's	
162	PVC Pipe Cutter	best Quality Approved by the Engineer	No's	
163	Vacuum Pump	best Quality Approved by the Engineer	No's	
164	Leak Detector	best Quality Approved by the Engineer	No's	
165	Nose plier	best Quality Approved by the Engineer	No's	
166	Wire Cutter	best Quality Approved by the Engineer	No's	
167	Wise Grip	best Quality Approved by the Engineer	No's	

168	Dust blower	best Quality Approved by the Engineer	No's	
169	Clump meter	best Quality Approved by the Engineer	No's	
170	Hygrometer	best Quality Approved by the Engineer	No's	
171	Ladder 10', 12'	best Quality Approved by the Engineer	No's	
172	Voltage tester	best Quality Approved by the Engineer	No's	
173	Extension lead with 20 meter cable	best Quality Approved by the Engineer	No's	
174	PH & TDS meter	best Quality Approved by the Engineer	No's	
175	Teflon Tape	best Quality Approved by the Engineer	No's	
176	Nylon Brush 1", 5/8", 3/8"	best Quality Approved by the Engineer	No's	
177	Jubilee Clamp 1/2", 3/4", 1", 2"	best Quality Approved by the Engineer	No's	
178	Combine Manifold Gauge for split Unit	best Quality Approved by the Engineer	No's	
179	Complete Welding plant for copper piping	best Quality Approved by the Engineer	No's	
180	Complete Electric Welding plant (single Phase)	best Quality Approved by the Engineer	No's	
181	WD-40	best Quality Approved by the Engineer	Kg	

182	Baby Grinder	best Quality Approved by the Engineer	No's	
183	Descaling Pump (with plastic impeller)	best Quality Approved by the Engineer	No's	
184	PH Paper	best Quality Approved by the Engineer	No's	
185	Puller for Pulley 12"	best Quality Approved by the Engineer	No's	
186	Vice grip	best Quality Approved by the Engineer	No's	
187	Vacuum pump for split Unit (single phase)	best Quality Approved by the Engineer	No's	
188	Grease	best Quality Approved by the Engineer	Kg	
189	Weight Lifter	best Quality Approved by the Engineer	No's	
190	Tri Pad	best Quality Approved by the Engineer	No's	
191	Pliers	best Quality Approved by the Engineer	No's	
192	Adjustable Wrench 8"	best Quality Approved by the Engineer	No's	
193	Adjustable Wrench 10"	best Quality Approved by the Engineer	No's	
194	Adjustable Wrench 14"	best Quality Approved by the Engineer	No's	
195	Star Set	best Quality Approved by the Engineer	No's	

196	Pipe Wrench 8"	best Quality Approved by the Engineer	No's	
197	Pipe Wrench 12"	best Quality Approved by the Engineer	No's	
198	Pipe Wrench 16"	best Quality Approved by the Engineer	No's	
199	Hammers Small	best Quality Approved by the Engineer	No's	
200	Hammers Large	best Quality Approved by the Engineer	No's	
201	Heavy Duty Drilling Mechine	best Quality Approved by the Engineer	No's	
202	Heavy Duty Drill Bets(Complete set)	best Quality Approved by the Engineer	No's	
203	Aluminum Ladders 10'	best Quality Approved by the Engineer	No's	
204	L-key set	best Quality Approved by the Engineer	No's	
205	Key set	best Quality Approved by the Engineer	No's	
206	Spanner set	best Quality Approved by the Engineer	No's	
207	Goti Set	best Quality Approved by the Engineer	No's	
208	Screw Driver Flat Large size	best Quality Approved by the Engineer	No's	
209	Screw Driver Flat Medium size	best Quality Approved by the Engineer	No's	

210	Screw Driver Star Large size	best Quality Approved by the Engineer	No's	
211	Screw Driver Star Medium size	best Quality Approved by the Engineer	No's	
212	Nose Pliers	best Quality Approved by the Engineer	No's	
213	Grip Pliers	best Quality Approved by the Engineer	No's	
214	Samad Band	best Quality Approved by the Engineer	No's	
215	Glue	best Quality Approved by the Engineer	No's	
216	WD-40 Spary	best Quality Approved by the Engineer	No's	
217	Pressure Pump	best Quality Approved by the Engineer	No's	
218	Service Pump	best Quality Approved by the Engineer	No's	
219	Blower	best Quality Approved by the Engineer	No's	
220	Depoxi	best Quality Approved by the Engineer	No's	
221	Emery Paper 0,1,2	best Quality Approved by the Engineer	No's	
222	Silicon	best Quality Approved by the Engineer	No's	
223	Garden Pipe	best Quality Approved by the Engineer	No's	

224	Hand Hack Saw	best Quality Approved by the Engineer	No's	
225	Hand Saw Blade	best Quality Approved by the Engineer	No's	
226	Grinding Machine	best Quality Approved by the Engineer	No's	
227	Baby Grinder	best Quality Approved by the Engineer	No's	
228	Bench Vice	best Quality Approved by the Engineer	No's	
229	PVC Tape	best Quality Approved by the Engineer	No's	
230	File	best Quality Approved by the Engineer	No's	
231	Nylon Brush	best Quality Approved by the Engineer	No's	
232	Jublee Clamp 3/4"	best Quality Approved by the Engineer	No's	
233	Jublee Clamp 1/2"	best Quality Approved by the Engineer	No's	
234	Jublee Clamp 1"	best Quality Approved by the Engineer	No's	
235	Imported Polar 6"	best Quality Approved by the Engineer	No's	
236	Imported Polar 12"	best Quality Approved by the Engineer	No's	
237	Tin Cutter 10",12"	best Quality Approved by the Engineer	No's	

238	Scissor	best Quality Approved by the Engineer	No's	
239	Sudani Screw	best Quality Approved by the Engineer	No's	
240	Paint Destember		No's	
241	Paint Brush		No's	
242	Door Lock		No's	
243	Barriel Nipple GI		No's	
244	Gi Pipe Nipple		No's	
245	GI Reducer		No's	
246	Welding Gloves		No's	
247	Repat Gun		No's	
248	FCU Washing Cover	As Per Sample	No's	
249	VRF Washing Cover	As Per Sample	No's	
250	Rabber Gotka	As Per Sample	No's	
251	Mini AHU Coil		No's	

252	AHU Coil Repairing		No's	
253	FCU Coils Repairing		No's	
254	Vacuum Belt		No's	
255	Push Button		No's	
256	Pressure Gun		No's	
257	Chotki Valve		No's	
258	Thermometer Seal		No's	
259	Grease Gun		No's	
260	Water DPS for Chilled Water & Condensor Water Pump		No's	
261	Gland Doori		No's	
262	Flexible Connector for Chilled & Condensor Line		No's	
263	Makeup Water Pump 0.7 KW		No's	
264	Kerosen Oil		No's	
265	Vacuum Gauge		No's	

266	Thinner for Paint		No's	
267	Chemical Dosing Pump		No's	
268	FCU Indication Light		No's	
269	Fins Cleaning Tab		No's	
270	Capacitor 2.5, 3.5, 6 HF Fauji		No's	
271	Plastic Connector		No's	
272	Cooling Tower Fan Moter 11 KW		No's	
273	Bearing Size 6309zz, 6209zz		No's	
274	Fins	As Per Sample	No's	
275	Grinder Disc for Cutting	As Per Sample	No's	
276	Drill Bit Different Sizes	As Per Sample	No's	
277	Fuse	As Per Sample	No's	
278	Remote Cell for fcu Remote	As Per Sample		

VRF Indoor unit Spare parts list for model GM-ND(28,36,56,71,90,112,125,140,224,280)

No.	name of part	Unit	Price
1	filter Sub assy		
2	Centrifugal Fan		
3	Blower Mounting plate sub asseby		
4	Humidity Sensor		
5	Electric box asseby		
6	Main board		
7	Terminal board		
8	Filters		
9	Water level switch		
10	Electronic expansion valve		
11	Water pump		
12	Fan Motor		
13	Sensor Sub assy		
14	Drain hose sub-assy		
15	Display board		

VRF outdoor unit Spare parts list for model GMV5 of Capacity (615,560,504,450,400,335,280)

No.	name of part	Unit	Price
1	Rear grill		
2	top cover		
3	Diversion circle		
4	Axial flow fan blade		
5	motor for axil fan assy		
6	Gas by pass sub asseby		
7	magnet coil		
8	Filter		
9	Electromagnetic valve		
10	Cover Plate		
11	Condenser assy		
12	Low pressure sub way valv assy		
13	Cut of valve 1/4		
14	Throttle assy		
15	Electronic expansion valve fittings		
16	Electronic expansion valve		
17	Discharge valve		
18	Check Valves		
19	Plate type Heat Exchanger Sub assy		
20	Dry filter sub assy		
21	Gas tube filter		
22	Dry filter		

23	Left side Plate		
24	Gas liquid Separator		
25	Oil Separator		
26	Electrical Heater		
27	Cut of valve 1/2		
28	Liquid Valve Sub Assy		
29	Cut off Valve 3/8		
30	Valve		
31	Cut off Valve 1-1/8		
32	Gas Valve sub assy		
33	Oil Equilizing pipe sub assy		
34	magnet coil		
35	Compressor and fittings		
36	Electric heater(Compressor)		
37	Sensor Sub assy		
38	Pressure sensors		
39	Suction pipe sub-assy		
40	Pressure switch		
41	Exhaust trunk sub-assy		
42	Gass by pass sub assy		
43	4-way valve sub assy		
44	4-way valve		
45	Nozzle for adding freon		
46	Electric box asseby		
47	Reactor		
48	Filter board		
49	Rectifier		
50	Main board		
51	Radiator		
52	Terminal board		
53	Main board		
Plastic Brush Handle		No	
Vacuum Pump Flexible Pipe		Meter	
Bearing 6317 Japan		No	
Bearing 6314 Japan		No	
Mini AHUS Original		No	
FCUS Washing Cover		No	
VRF Washing Cover		No	
Bearing 6314		No	
Bearing 6313		No	
Haxa Frame		No	
EXSA Poland		No	
Three Way Valve		No	
AHV Belt 37A-36A-35A		No	

Butterfly Valve	No
Flow Switch	No
Vacuum Pressure Gauge	No
Cooling Tower 18 Amp	No
Circuit for FCU	No
Ring/D spanner 30/31/32/24.13	No
FCU Transformer 11.5 V - 0.65 A DB No 482402	No
Digital Volt M7R - 6/8	No
Beet Set	No
CHWP 55KW Tem breaker 125 Amp	No
03 Pole Breaker 40 Amp	No
Breaker 06 Amp Single Pole	No
Breaker 10 Amp Single Pole	No
Connector 5-10.15-20 Amp	No
Flexible Connector for Condenser	No
Flexible connector for chilled water pump	No
Belt No 32A 12 No	No

7. Award of Contract:

Contracts shall be confirmed through a written agreement signed by the successful bidder and the MTI /KTH Peshawar.

8. Payment:

- a. No advance payment will be permissible.
- b. The payment will be made after successful supply and inspection