



F.No. PD(KITE)/DoT/Procurement/12233

Date: November 8<sup>th</sup>, 2023

**REQUEST FOR QUOTATION (RFQ)**

**Package-1**

<b>Country:</b>	Pakistan
<b>Name of Project:</b>	Khyber Pakhtunkhwa Integrated Tourism Development Project (KITE) Department of Tourism (DoT) Govt. of Khyber Pakhtunkhwa.
<b>Activity Name:</b>	<b>Package-1: Procurement of Repair/ maintenance items for the HVAC system of Peshawar Culture complex (Nishtar Hall)</b>
<b>Activity Ref No.</b>	PK-KP DOT-389316-CW-RFQ
<b>Credit No:</b>	IDA-64620
<b>Project ID:</b>	P163562

The Government of Khyber Pakhtunkhwa has received Credit from the International Development Association (IDA) of the World Bank Group for Khyber Pakhtunkhwa Integrated Tourism Development Project (KITE) and intends to apply part of the proceeds towards payments under the contract for **Procurement of Repair/ maintenance items for the HVAC system of Peshawar Culture Complex (Nishtar Hall) under PMU KITE DoT** through this Request for Quotations (RFQ).

The Project Management Unit (PMU) for KITE Project invites sealed quotations from eligible bidders for **Revamping of the Peshawar Culture Complex (Nishtar Hall) Peshawar** as per below items mentioned in the BOQ at Annex-I

The Following is the Qualification criteria:

- i. The Bidder shall quote prices for all items mentioned in the BOQ including all admissible taxes.
- ii. Documented proof that the Bidder have successfully completed at least 03 projects of similar nature. Evidence of completed projects must be provided.
- iii. The bidder must not be blacklisted by any Government/Semi Govt. organization in Pakistan and no litigation is under way by any organization.
- iv. The Quotation must be duly signed and stamped by the authorized representative.

Interested eligible Bidder may obtain further information from the office of Project Director, Project Management Unit (PMU) Khyber Pakhtunkhwa Integrated Tourism Development Project (KITE) Department of Tourism (DoT) during the office hours **0900 to 1700 hours** at the address given below.

A complete set of Request for Quotations (RFQ) documents can be downloaded from the Khyber Pakhtunkhwa Tourism Department web site [www.kite.kptourism.com](http://www.kite.kptourism.com) or requested by writing an email to the [procurement.kite@gmail.com](mailto:procurement.kite@gmail.com).

The Procurement will be carried out under Request for Quotation (RFQ) method set out in the World Bank Procurement Regulations (Procurement in Investment Project Financing, Works, Non-Consulting and Consulting Services, July 2016 Revised November 2017, August 2018 and November 2020) and is open to all eligible bidders as defined in the Procurement Regulations.

Bids must be delivered to the office address given below by or before **1400 hours on November 15, 2023** and must be accompanied by a bid security @2% of the total bid price in the form of irrevocable unconditional Bank Guarantee issued by a Scheduled Bank or Call Deposit Receipt (CDR).

Late and incomplete bids will be rejected. Bids will be publicly opened in the presence of the bidders' or their designated representatives who choose to attend, at the address below on **November 15, 2023 at 1430 hours**.

The Bidders are requested to quote their best and final prices including all admissible taxes as no negotiations will be allowed at later stage.

  
**Project Director**  
**PMU KITE DoT**

**House No. 20, Syed Jamal Uddin Afghani Road, University Town Peshawar, Khyber Pakhtunkhwa Pakistan**

Phone No. +92 91 9216370-72 Fax No. +92 91 9216371

[procurement.kite@gmail.com](mailto:procurement.kite@gmail.com)

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## Annex-I

### Bill of Quantities/ Price Schedule

Sr No	Description / Specification	Qty	Unit Rate (Rs.)	Total Amount (Rs.)
<b>1</b>	<b>Reciprocating Water-Cooled Chillers</b>			
	Repair, Maintenance & Balancing of Water-Cooled Reciprocating Chiller having Cooling capacity of <b>50.1</b> USTR. Following components must be smoothly operational: <ol style="list-style-type: none"><li>1. Reciprocating Compressor (Change oil)</li><li>2. Refrigerant (R-22)</li><li>3. Condenser</li><li>4. Evaporator &amp; Expansion valve etc.</li></ol> The work shall include trouble shooting, overhauling, piping connections and installation of damage gate valve, check valve, strainers, pressure gauges, thermometer etc.	No's 2		
<b>2</b>	Providing, installation, testing, commissioning and balancing of single stage End suction centrifugal chilled water primary pump having capacity of <b>295 USGPM</b> and head of <b>100 feet</b> with drive motor, bronze impeller, mechanical seal, class F insulation with inertia base, vibration isolator spring, rubber isolation bellows and flexible coupling for chilled water circulation. The work shall include all associated civil work and shall include all the piping connection and installation of associated gate valve, check valve, strainers, pressure gauges, thermometer etc.	No's 1		
<b>3</b>	Providing, installation, testing, commissioning and balancing of Duct heaters with following details; Heating Capacity: 25 kw, size: 20"x18", No of Elements: 9	No's 6		

4	Providing, fabrication, installation of Galvanized Iron Sheet Metal Ducting with SMACNA approved gauge including ducts, fittings like elbows, tees, reducers, splitter dampers, complete with hangers, supports inserts etc all as per SMACNA standards and all ducts connecting with equipment's shall be connected with duct flexible connectors made of Duct mate USA are included in ducts work.	SFT	200	
5	Providing, installation, of 25 mm thick, 24 kg/cu m density Fiberglass insulation blanket with reinforced aluminium foil and further covered with 08 oz canvass cloth over conditioned supply and return air ducts as per 2" thick outside the building. the insulated ducts outside the building shall be further cladded with 26-Gauge GI sheet metal as per SMACNA standards, complete in all respects.	SFT	250	
6	Providing, installation of minimum 3-inchwide Duct Flexible Connector made of Ductmate USA with all duct connecting to rotating equipment like air handling units, exhaust fans etc as per ASHRAE, SMACNA Standards, complete in all respects.	RFT	20	
7	<b>Providing, installation Galvanized Steel Sheet Fire Dampers with 90 min fire rating with temperature sensor, alarm panel with motorized actuator, provision for receipt of external fire signal, wiring as per Specifications.</b>			
a)	Fire Damper	SFT	20	
8	<b>Provide, install, test and commission Aluminium powder coated supply Ceiling Diffusers including flexible duct and all other appurtenances</b>			
a)	Supply/ Return Ceiling Diffuser	SFT	20	
9	Provide, install, test and commission Acoustic lining of ducting with 1 in thick having density of 24 kg/m <sup>3</sup> open cell nitrile rubber insulation with aluminium tape as per specifications.	SFT	30	
10	<b>Providing, installation, testing, Commissioning &amp; Balancing of MS Black Seamless Schedule 40 piping complete with all type of fittings like elbows tee, bend, reducers &amp; fixtures etc, painting in specified manner, fixing with approved hangers &amp; supports etc, complete in all respects as per specifications.gy</b>			
a)	1 ½ inches	RFT	25	
b)	2 inches	RFT	15	
c)	2 ½ inches	RFT	15	

d)	3 inches	RFT	10	
e)	4 inches	RFT	50	
f)	6 inches	RFT	60	
g)	8 inches	RFT	10	
11	<b>Providing &amp; installation of 64 kg/cu m density Preformed Fiberglass Pipe Insulation with reinforced aluminium foil jacket over chilled/hot water piping complete over all fittings and fixtures like elbows tee, valves etc, the pipe insulation shall be further covered with 08 oz canvas cloth by applying movilith glue on 100% surface area, upto 2 inches diameter pipe, 1 inch thick and above 2-inch diameter 2 inch thick insulation shall be used, complete in all respects.</b>			
a)	3/4 inches	RFT	15	
b)	1/2 inches	RFT	10	
c)	1 inches	RFT	20	
d)	1 1/4 inches	RFT	12	
e)	1 1/2 inches	RFT	15	
f)	2 inches	RFT	30	
g)	2 1/2 inches	RFT	25	
h)	3 inches	RFT	20	
i)	4 inches	RFT	30	
j)	6 inches	RFT	15	
k)	8 inches	RFT	10	
12	<b>Providing &amp; installation of 24, 26 gauges GI Sheet Metal Cladding over insulated chilled water, including all types of fittings like elbow tee reducers, valves etc, only in main HVAC plant room and air handling unit's rooms, complete in all respects.</b>			
a)	2 1/2 inches	RFT	15	
b)	3 inches	RFT	20	
c)	4 inches	RFT	35	
d)	6 inches	RFT	50	
e)	8 inches	RFT	10	
13	<b>Providing, installation, testing commissioning and balancing of Water Flow Devices &amp; Valves of Class PN 16 pressure rating at 120 degree C in all water lines with pumps, chillers, AHUs and other equipment's, complete with fitting unions, flanges gaskets etc complete in all respects.</b>			
14	<b>Gate valves</b>			
a)	1 1/2 inches	No's	2	
b)	2 inches	No's	2	

c)	2½ inches	No's	1	
d)	3 inches	No's	1	
d)	4 inches	No's	1	
e)	6 inches	No's	1	
<b>15</b>	<b>Balancing /Globe Valves</b>			
a)	1 ½ inches	No's	1	
b)	2 inches	No's	1	
c)	2½ inches	No's	2	
d)	3 inches	No's	2	
e)	4 inches	No's	1	
e)	6 inches	No's	1	
<b>16</b>	<b>3 Ways Motorize Valves</b>			
a)	1½ inches	No's	1	
b)	2 inches	No's	1	
c)	2½ inches	No's	1	
d)	3 inches	No's	1	
<b>17</b>	<b>Y Strainers</b>			
a)	1 ½ inches	No's	1	
b)	2 inches	No's	1	
c)	2½ inches	No's	2	
d)	3 inches	No's	2	
e)	4 inches	No's	2	
f)	6 inches	No's	1	
<b>18</b>	<b>Non-Return Valve (NRV)</b>			
a)	2 inches	No's	2	
b)	4 inches	No's	1	
c)	6 inches	No's	1	
<b>19</b>	<b>Pipe Flexible Connectors</b>			
a)	3 inches	No's	2	
b)	4 inches	No's	2	
c)	6 inches	No's	2	
<b>20</b>	<b>Ball Valves</b>			

a)	3/4 inches	No's	6	
b)	1 inches	No's	5	
<b>21</b>	<b>Automatic Air Vent</b>	No's	10	
a)	3/4 inches			
<b>22</b>	<b>Butter Fly Valve</b>	No's	1	
a)	4 inches	No's	1	
<b>23</b>	Providing, installation, testing, commissioning & balancing of <b>Water softener (120 USGPM)</b> of specified capacity.	No's	1	
<b>24</b>	Providing, installation, testing commissioning & balancing of <b>Chemical Bypass Feeder of 15 gallons</b> capacity, complete with piping valves and fittings complete in all respects.	No's	1	
<b>25</b>	Providing, shifting, hoisting, installation, testing commissioning, adjusting & Balancing of <b>Air Separator (150 USGPM)</b> with Dirt separator fabricated with Steel finished with dirt chamber, air chamber, vent units, automatic valve, drain valve, suitable for flushing even when in operation, suitable for threaded or flanged connections.	No's	1	
<b>26</b>	<b>Flow Switches -</b>			
a)	Providing and installation of 9" scale vari-angle pipe thermometers ranging from <b>0</b> to <b>100</b> deg C scale both in deg C and deg F with thermowells complete in all respects.	No's	15	
b)	Providing and installation of minimum <b>100mm dial pressure gauges</b> ranging from 0 to 100 psig scale both in psig and bar with gauge cocks complete in all respects.	No's	15	

<b>Miscellaneous</b>			
<b>27</b>	<p><b>Air &amp; Water Side Equipment's (AHUs, Pump etc.) Services &amp; Chemical Dosing of complete system.</b></p> <p>a). Flushing, cleaning and washing of water coils by using pressure pumps.  b). Checking and adjustment of dampers  c). Checking and adjustment of fan Bearings and Belts.  d). Greasing of Supply Air fan/motor bearings  e). Greasing of Return Air fan/motor bearings.  f). External cleaning/washing of AHUs.  g). Replacement of AHUs Filters 8 nos.(16" x 24" &amp; 20" x 24")  h). Painting of AHUs/RA fans if necessary. i). Cleaning of fans  i). Cleaning of air filters.  l). Servicing of all water pumps.  k). Greasing of pumps &amp; motor bearings changing.  l). Checking of pump/motor alignment etc.</p>	Job	1
<b>b)</b>	Air & Water Side Balancing	Job	1
<b>c)</b>	Painting & Identifications	Job	1
<b>TOTAL AMOUNT (PKR)</b>			



## Technical Specifications

<u>HEATING, VENTILATION &amp; AIR CONDITIONING SYSTEM (HVAC)</u>	
<u>NISHTAR HALL, PESHAWAR</u>	
Sr No	Description / Specification
<b>1</b>	<p><b>Reciprocating Water-Cooled Chillers</b></p> <p>Repair, Maintenance &amp; Balancing of Water-Cooled Reciprocating Chiller having Cooling capacity of <b>50.1 USTR</b>.</p> <p>Following components must be smoothly operational:</p> <ol style="list-style-type: none"> <li>1. Reciprocating Compressor (Change oil)</li> <li>2. Refrigerant (R-22)</li> <li>3. Condenser</li> <li>4. Evaporator &amp; Expansion valve etc.</li> </ol> <p>The work shall include trouble shooting, overhauling, piping connections and installation of damage gate valve, check valve, strainers, pressure gauges, thermometer etc.</p>
<b>2</b>	<p>Providing, installation, testing, commissioning and balancing of single stage End suction centrifugal chilled water primary pump having capacity of <b>295 USGPM</b> and head of <b>100 feet</b> with drive motor, bronze impeller, mechanical seal, class F insulation with inertia base, vibration isolator spring, rubber isolation bellows and flexible coupling for chilled water circulation. The work shall include all associated civil work and shall include all the piping connection and installation of associated gate valve, check valve, strainers, pressure gauges, thermometer etc.</p>
<b>3</b>	<p>Providing, installation, testing, commissioning and balancing of Duct heaters with following details; Heating Capacity: 25 kw, size: 20"x18", No of Elements: 9</p>
<b>4</b>	<p>Providing, fabrication, installation of Galvanized Iron <b>Sheet Metal Ducting</b> with SMACNA approved gauge including ducts, fittings like elbows, tees, reducers, splitter dampers, complete with hangers, supports inserts etc all as per SMACNA standards and all ducts connecting with equipment's shall be connected with duct flexible connectors made of Duct mate USA are included in ducts work.</p>
<b>5</b>	<p>Providing, installation, of 25 mm thick, 24 kg/cu m <b>density Fiberglass insulation blanket</b> with reinforced aluminium foil and further covered with 08 oz canvass cloth over conditioned supply and return air ducts as per 2" thick outside the builing. the insulated ducts outside the building shall be further cladded with 26-gauge GI sheet metal as per SMACNA standards, complete in all respects.</p>
<b>6</b>	<p>Providing, installation of minimum 3-Inchwide <b>Duct Flexible Connector</b> made of Duct mate USA with all duct connecting to rotating equipment like air handling units, exhaust fans etc as per ASHRAE, SMACNA Standards, complete in all respects.</p>

7	<b>Providing, installation Galvanized Steel Sheet Fire Dampers with 90 min fire rating with temperature sensor, alarm panel with motorized actuator, provision for receipt of external fire signal, wiring as per Specifications.</b>
a)	Fire Damper
8	<b>Provide, install, test and commission Aluminium powder coated supply Ceiling Diffusers including flexible duct and all other appurtenances.</b>
a)	Supply/ Return Ceiling Diffuser
9	Provide, install, test and commission <b>Acoustic lining</b> of ducting with 1 in thick having density of 24 kg/m <sup>3</sup> open cell nitrile rubber insulation with aluminium tape as per specifications.
10	<b>Providing, installation, testing, Commissioning &amp; Balancing of MS Black Seamless Schedule 40 piping complete with all type of fittings like elbows tee, bend, reducers &amp; fixtures etc, painting in specified manner, fixing with approved hangers &amp; supports etc, complete in all respects as per specifications.</b>
a)	1 ½ inches
b)	2 inches
c)	2 ½ inches
d)	3 inches
e)	4 inches
f)	6 inches
g)	8 inches
11	<b>Providing &amp; installation of 64 kg/cu m density Preformed Fiberglass Pipe Insulation with reinforced aluminium foil jacket over chilled/hot water piping complete over all fittings and fixtures like elbows tee, valves etc, the pipe insulation shall be further covered with 08 oz canvas cloth by applying movilith glue on 100% surface area, upto 2 inches diameter pipe, 1 inch thick and above 2 inch diameter 2 inch thick insulation shall be used, complete in all respects.</b>
a)	3/4 inches
b)	1/2 inches
c)	1 inches
d)	1¼ inches
e)	1 ½ inches
f)	2 inches
g)	2 ½ inches
h)	3 inches
i)	4 inches
j)	6 inches
k)	8 inches
12	<b>Providing &amp; installation of 24, 26 gauges GI Sheet Metal Cladding over insulated chilled water, including all types of fittings like elbow tee reducers, valves etc, only in main HVAC plant room and air handling unit's rooms, complete in all respects.</b>
a)	2 ½ inches
b)	3 inches
c)	4 inches
d)	6 inches

e)	8 inches
<b>13</b>	Providing, installation, testing commissioning and balancing of <b>Water Flow Devices &amp; Valves of Class PN 16</b> pressure rating at 120 degree C in all water lines with pumps, chillers, AHUs and other equipment's, complete with fitting unions, flanges gaskets etc complete in all respects.
<b>14</b>	<b>Gate valves</b>
a)	1 ½ inches
b)	2 inches
c)	2½ inches
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d)	4 inches
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<b>15</b>	<b>Balancing /Globe Valves</b>
a)	1 ½ inches
b)	2 inches
c)	2½ inches
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e)	4 inches
e)	6 inches
<b>16</b>	<b>3 Ways Motorize Valves</b>
a)	1½ inches
b)	2 inches
c)	2½ inches
d)	3 inches
<b>17</b>	<b>Y Strainers</b>
a)	1 ½ inches
b)	2 inches
c)	2½ inches
d)	3 inches
e)	4 inches
f)	6 inches
<b>18</b>	<b>Non-Return Valve (NRV)</b>
a)	2 inches
b)	4 inches
c)	6 inches
<b>19</b>	<b>Pipe Flexible Connectors</b>
a)	3 inches
b)	4 inches
c)	6 inches
<b>20</b>	<b>Ball Valves</b>
a)	¾ inches
b)	1 inches
<b>21</b>	<b>Automatic Air Vent</b>
a)	¾ inches
<b>22</b>	<b>Butter Fly Valve</b>
a)	4 inches
<b>23</b>	Providing, installation, testing, commissioning & balancing of <b>Water softener (120 USGPM)</b> of specified capacity.

24	Providing, installation, testing commissioning & balancing of <b>Chemical Bypass Feeder</b> of <b>15 gallons</b> capacity, complete with piping valves and fittings complete in all respects.
25	Providing, shifting, hoisting, Installation, testing commissioning, adjusting & Balancing of <b>Air Seperator (150 USGPM)</b> with Dirt seperator fabricated with Steel finished with dirt chamber, air chamber, vent units, automatic valve, drain valve, suitable for flushing even when in operation, suitable for threaded or flanged connections.
26	<b>Flow Switches</b>
a)	Providing and installation of 9" scale vari-angle pipe thermometers ranging from <b>0 to 100</b> deg C scale both in deg C and deg F with thermowells complete in all respects.
b)	Providing and installation of minimum <b>100mm dial pressure gauges</b> ranging from 0 to 100 psig scale both in psig and bar with gauge cocks complete in all respects.
27	<b>Miscellaneous</b>
a)	Air & Water Side Equipment's (AHUs, Pump etc.) Services & Chemical Dosing of complete system. a). Flushing, cleaning and washing of water coils by using pressure pumps. b). Checking and adjustment of dampers c). Checking and adjustment of fan Bearings and Belts. d). Greasing of Supply Air fan/motor bearings e). Greasing of Return Air fan/motor bearings. f). External cleaning/washing of AHUs. g). Replacement of AHUs Filters 8 nos.(16" x 24" & 20" x 24") h). Painting of AHUs/RA fans if necessary. i). Cleaning of fans i). Cleaning of air filters. l). Servicing of all water pumps. k). Greasing of pumps & motor bearings changing. l) . Checking of pump/motor alignment etc.
b)	Air & Water Side Balancing
c)	Painting & Identifications