

Corrigendum No. 1

Clarifications for Queries Raised by the Agencies

Name of Work: Selection of contractor for Supply, Installation, Testing & commissioning of HVAC work in canteen area at Gujarat National Law University Campus
WAP/GIS/GNR/INFRA/GNLU/2020/01

Sr.No	Section No./ Clause No./ Page No.	As per Tender Document	Observation/ Query	Clarification given by WAPCOS
M/s. Pranam				
1	VOLUME II- SCOPE OF WORK, TECHNICAL SPECIFICATION	SCREW TYPE COMPRESSOR (CONSTANT SPEED AND VARIABLE SPEED) (page no. 204).	Type of compressor – Constant Speed / Variable Speed	Tender condition prevails.
2	VOLUME II- SCOPE OF WORK, TECHNICAL SPECIFICATION	10. Compressor motor and starters b) 50HZ alternating current supply, unless otherwise specified. The motor synchronous speed shall not exceed 1500 r.p.m. i) Its synchronous speed, however, shall be 3000 RPM. All compressor motors in screw chillers shall be provided with VFD wherever feasible. (Page no. 205).	Compressor motor & starter – Clarify motor RPM 1500 or 3000	The profile of screws shall permit safe operation upto a speed of 3000 RPM for 50 Hz operation
3	VOLUME II- SCOPE OF WORK, TECHNICAL SPECIFICATION	FACTORY BUILT AIR HANDLING UNIT (AHU), FAN COIL UNIT (FCU), CEILING SUSPENDED UNIT (CSU) AND OTHER AIR DISTRIBUTION SYSTEMS (Page No. 213)	Single skin CSU exact requirement / working of hot water coil.	Requirement for space cooling as per tender, BOQ and specifications
4	VOLUME II- SCOPE OF WORK, TECHNICAL SPECIFICATION	6. Supply Air Fan and Drive vi) All AHU fan motors shall be provided with variable frequency drive where VAVs (Variable Air Volume control) are provided in the ducts. vii) For energy efficiency of system, where VAVs (Variable Air Volume control) are provided in the ducts, VFD, in place of starter shall be provided in Air Handling Units. VFD with harmonics filters should be specified. Whenever VFD is fitted, direct shaft driven motors are normally used. (page no. 216 & 217)	VFD & VAVs is required for CSU or not as it is not asked in BOQ while the same is specified in tender document.	Tender condition prevails as per BOQ.
5	VOLUME IV – DRAWINGS	VOLUME IV – DRAWINGS	Request you to please provide us route of main incoming power supply to main HVAC Panel.	Along existing cable route of GNLU. It can be studied in site visit. Refer attachment 1 for reference.
6	VOLUME IV – DRAWINGS	VOLUME IV – DRAWINGS	We have required soft copy kitchen layout in AutoCAD format specially for distancing of Kitchen area & terrace level.	Measurement may be varified during site visit by bidder. drawing attached for reference.

Clarifications for Queries Raised by the Agencies

Name of Work: Selection of contractor for Supply, Installation, Testing & commissioning of HVAC work in canteen area at Gujarat National Law University Campus
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7	VOLUME III – FINANCIAL PROPOSAL	<table border="1"> <tr> <td>10</td> <td>Chilled Water Piping - Supply, Installation, Testing and Commissioning of Chilled Water Piping With MS "C" Class Pipe Complete With All Accessories Such As Couplings, Bends, Elbow, Flanges, Nut Bolts, Air Purging Valves, Descaling Tee With M.S. Angle & Rod Supporting Work Etc. Of Following Sizes for entire project work as required and instruction of consultant.</td> <td>1.00</td> <td>Lot</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="7">Note:- The pipes size 150 mm & below shall be M.S. 'C' class as per IS:1239 and pipes size above 150 mm shall be black steel pipe heavy class as per IS:3589, .</td> </tr> <tr> <td>11</td> <td>Insulation for Chilled Water Pipes/Accessories: Supply,</td> <td></td> <td>Lot</td> <td></td> <td></td> <td></td> </tr> <tr> <th>Sr. No.</th> <th>Item Description</th> <th>Qty</th> <th>Unit</th> <th>Rate</th> <th>Amount</th> <th></th> </tr> <tr> <td></td> <td>Installation, Testing and Commissioning of Chilled Water Pipe/Accessories insulation with following thickness Closed Cell Elastomeric Nitrile Rubber with fire retardant high grade flexible adhesive & sealant Fire performance class 'O' covered with 26 G Aluminum cladding as specified in specifications complete as required for completion of entire project as per instruction of consultant.</td> <td>1.00</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	10	Chilled Water Piping - Supply, Installation, Testing and Commissioning of Chilled Water Piping With MS "C" Class Pipe Complete With All Accessories Such As Couplings, Bends, Elbow, Flanges, Nut Bolts, Air Purging Valves, Descaling Tee With M.S. Angle & Rod Supporting Work Etc. Of Following Sizes for entire project work as required and instruction of consultant.	1.00	Lot				Note:- The pipes size 150 mm & below shall be M.S. 'C' class as per IS:1239 and pipes size above 150 mm shall be black steel pipe heavy class as per IS:3589, .							11	Insulation for Chilled Water Pipes/Accessories: Supply,		Lot				Sr. No.	Item Description	Qty	Unit	Rate	Amount			Installation, Testing and Commissioning of Chilled Water Pipe/Accessories insulation with following thickness Closed Cell Elastomeric Nitrile Rubber with fire retardant high grade flexible adhesive & sealant Fire performance class 'O' covered with 26 G Aluminum cladding as specified in specifications complete as required for completion of entire project as per instruction of consultant.	1.00					You have asked valve packages for Chiller & CSU. Kindly clarify same them for pump & cooling as it is not asked in BOQ.	All valves and accessories related as required are part of item not included in item 10 & 11.
10	Chilled Water Piping - Supply, Installation, Testing and Commissioning of Chilled Water Piping With MS "C" Class Pipe Complete With All Accessories Such As Couplings, Bends, Elbow, Flanges, Nut Bolts, Air Purging Valves, Descaling Tee With M.S. Angle & Rod Supporting Work Etc. Of Following Sizes for entire project work as required and instruction of consultant.	1.00	Lot																																				
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8	VOLUME III – FINANCIAL PROPOSAL	<table border="1"> <tr> <td>18</td> <td>Fresh Air intake System for Dining Hall including inline fan, filter and PVC pipe etc as per project specification and instruction of the consultant</td> <td>2.00</td> <td>Lot</td> <td></td> <td></td> <td></td> </tr> </table>	18	Fresh Air intake System for Dining Hall including inline fan, filter and PVC pipe etc as per project specification and instruction of the consultant	2.00	Lot				As per BOQ Sr. no. 18 (page no. 299) capacity & specification for the fresh fan is not given request you to provide the same.	As per ASHRAE, ISHRAE and NBC norms.																												
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9	VOLUME III – FINANCIAL PROPOSAL	<table border="1"> <tr> <td>41</td> <td>Supplying & erecting single phase approved make industrial inline exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM [E] 450 mm dia 1400 RPM Cat.II</td> <td>1</td> <td>Ea.</td> <td></td> <td></td> <td></td> </tr> </table>	41	Supplying & erecting single phase approved make industrial inline exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM [E] 450 mm dia 1400 RPM Cat.II	1	Ea.				As per BOQ Sr. no. 41 (page no. 303) capacity & specification for Exhaust fan is not given request you to provide the same.	As per tender BOQ RPM and diameter																												
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10	VOLUME II- SCOPE OF WORK, TECHNICAL SPECIFICATION	CHILLER PLANT MANAGER WITH IBMS SYSTEM.	As most of OEM are not manufacturer Chiller Plant Manager. So, Can we consider local CPRI approved vendor for the same.?	As per tender makelist and specifications.																																			
11	VOLUME II- SCOPE OF WORK, TECHNICAL SPECIFICATION	Approved Make List for Proposed HVAC work cooling tower : Marley / BAC / Advance / Daikinmcquay / Nihan Spindle, Paharpur, Nilgiri, National, Varun, Ensave, Crystal, Mihir, Akshat	Please add BELL make cooling tower as it is required CTI approved.	BELL cooling tower shall be approved if it matches tender specification																																			
12	VOLUME III – FINANCIAL PROPOSAL	<table border="1"> <tr> <td>9</td> <td>Supply, Installation, Testing , Commissioning of Expansion tank with air & dirt separator unit. Closed type precharged steel Expansion tank with replaceable heavy duty butyl rubber bladder, mounting stand with all necessary system connection & charging valve connection to facilitate on site charging. Tank to meet ASME Section VII division 1, all valve mounting etc. System to be complete with pressurization unit having two set of pumps(1W+1SB) and accessories like pressure reducing valve, auto air purge etc . Automatic Centrifugal air separator as shown in the drawing and specifications suitable for line size - 250 mm Dia. with required BMS compatibility. Complete including all lead, lift, provision of all material and labour required for functioning as per instruction of the consultant.</td> <td>1.00</td> <td>Set</td> <td></td> <td></td> <td></td> </tr> </table>	9	Supply, Installation, Testing , Commissioning of Expansion tank with air & dirt separator unit. Closed type precharged steel Expansion tank with replaceable heavy duty butyl rubber bladder, mounting stand with all necessary system connection & charging valve connection to facilitate on site charging. Tank to meet ASME Section VII division 1, all valve mounting etc. System to be complete with pressurization unit having two set of pumps(1W+1SB) and accessories like pressure reducing valve, auto air purge etc . Automatic Centrifugal air separator as shown in the drawing and specifications suitable for line size - 250 mm Dia. with required BMS compatibility. Complete including all lead, lift, provision of all material and labour required for functioning as per instruction of the consultant.	1.00	Set				Kindly confirm whether the requirement is for Air and dirt Separator or Centrifugal Air Separator as in the BOQ items Sr. no. 9.	Air and dirt separator required based on centrifugal technology as mentioned in Tender BOQ and Specification.																												
9	Supply, Installation, Testing , Commissioning of Expansion tank with air & dirt separator unit. Closed type precharged steel Expansion tank with replaceable heavy duty butyl rubber bladder, mounting stand with all necessary system connection & charging valve connection to facilitate on site charging. Tank to meet ASME Section VII division 1, all valve mounting etc. System to be complete with pressurization unit having two set of pumps(1W+1SB) and accessories like pressure reducing valve, auto air purge etc . Automatic Centrifugal air separator as shown in the drawing and specifications suitable for line size - 250 mm Dia. with required BMS compatibility. Complete including all lead, lift, provision of all material and labour required for functioning as per instruction of the consultant.	1.00	Set																																				
13	NIT	Last date & time for online submission of Technical & Financial Bid - 30.06.2020 up to 13:00 hours Offline Submission of Tender Fees, EMD etc. as detail in Tender (Physical Submission) - 30.06.2020 up to 15:00 hours at; Bidders must submit the Technical Bid, Tender Fees & EMD in separate Envelopes & Financial Bid to be submitted online only. WAPCOS Limited (515, 5th Floor, Shree UGATI Corporate Park, Opp. Pratik Mall, KobaGandhinagar Road, Kudasana, Dist: Gandhinagar, Gujarat-382421)	Request you to please extend the date submission of Tender.	Last date & time for online submission of Technical & Financial Bid - 04.07.2020 up to 13:00 hours Offline Submission of Tender Fees, EMD etc. as detail in Tender (Physical Submission) - 06.07.2020 up to 15:00 hours at; WAPCOS Limited (515, 5th Floor, Shree UGATI Corporate Park, Opp. Pratik Mall, KobaGandhinagar Road, Kudasana, Dist: Gandhinagar, Gujarat-382421)																																			

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HLS Constructions Pvt Ltd																																																																																																				
1	3.0 QUALIFYING CRITERIA:	“Similar work” means Supply, installation, testing, commissioning of HVAC works, directly executed for Central/ State/ PSU’s. (Completion certificate needs to be enclosed) Page No. 23	As tender specifications any type of construction including Supply, installation, testing, commissioning of HVAC works in Govt/psu/Pvt is allowed instead of similar work Selection of contractor for Supply, Installation, Testing & commissioning of HVAC work in canteen area at Gujarat National Law University Campus.	Tender condition prevails. Refer page 22 & 23.																																																																																																
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Kirloskar chillers pvt ltd																																																																																																				
1	VOLUME II- SCOPE OF WORK, TECHNICAL SPECIFICATION & BOQ	Chilled Water Flow Rate : 180 GPM	Can we consider chilled water flow rate little higer as per our design?	Tender mentions minimum specifications. Better specifications than mentioned in the tender are allowed if performance is improved.																																																																																																
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Manali Engineering

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1	Payment Breakup	<p>4.2 Payment Breakup</p> <table border="1"> <thead> <tr> <th>Stage</th> <th>Sr. No.</th> <th>Milestone</th> <th>% payment</th> <th>Cumulative Percentage payment</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Stage-1</td> <td>(i)</td> <td>Advance against submission of PBG</td> <td>5%</td> <td>5%</td> </tr> <tr> <td>(ii)</td> <td>Supply of all required Material at Site</td> <td>20%</td> <td>25%</td> </tr> <tr> <td rowspan="4">Stage-2</td> <td>(iii)</td> <td>Breakage, dismantling, construction of required brick wall/ ducting fabrication.</td> <td>5%</td> <td>30%</td> </tr> <tr> <td>(vi)</td> <td>Up to installation of Duct, exhaust, Chillers, Air handling unit, finish works, all services and other allied works etc. (Completion of all works as per BOQ).</td> <td>50%</td> <td>80%</td> </tr> <tr> <td>(v)</td> <td>Performance test & Commissioning, acceptance by client</td> <td>7.5%</td> <td>87.5%</td> </tr> <tr> <td>(vii)</td> <td>Taking over, obtaining of occupancy certificate, clearance form Fire department, Completion of warrantee certificates, statutory NOC and any other required documentation.</td> <td>10%</td> <td>97.5%</td> </tr> <tr> <td>Stage-3</td> <td>(vii)</td> <td>After completion of defect liability period</td> <td>2.5%</td> <td>100%</td> </tr> </tbody> </table>	Stage	Sr. No.	Milestone	% payment	Cumulative Percentage payment	Stage-1	(i)	Advance against submission of PBG	5%	5%	(ii)	Supply of all required Material at Site	20%	25%	Stage-2	(iii)	Breakage, dismantling, construction of required brick wall/ ducting fabrication.	5%	30%	(vi)	Up to installation of Duct, exhaust, Chillers, Air handling unit, finish works, all services and other allied works etc. (Completion of all works as per BOQ).	50%	80%	(v)	Performance test & Commissioning, acceptance by client	7.5%	87.5%	(vii)	Taking over, obtaining of occupancy certificate, clearance form Fire department, Completion of warrantee certificates, statutory NOC and any other required documentation.	10%	97.5%	Stage-3	(vii)	After completion of defect liability period	2.5%	100%	<p>You have mentioned payment terms on page number-307 , clause-4.2 of your tender but after reviewing your BOQ we have observed that this is turnkey project having capital items i.e. Chiller , Air handling Units , IBMS, Pump, Cooling Tower, HVAC Panel . In this type of scope most of the public sector organizations including IOCL , Railways , Printing Press , HPCL , Power Grid, BHEL , PWD, Ordinance Factory , Institutions like Delhi University, BHU) are releasing payment on the following basis (Copy of some payment terms some of public sector client enclosed herewith):</p> <p>a) For Supply 90% on receipt of goods at site on prorated basis 10% after commissioning on submission of PBG of 5% amount</p> <p>b) For Installation 90% after installation of goods on prorated basis. 10% after commissioning on submission of PBG of 5% amount .</p>	Tender condition prevails.
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Stage-1	(i)	Advance against submission of PBG	5%	5%																																				
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SAI H.V.A.C. SYSTEM.

Clarifications for Queries Raised by the Agencies

Name of Work: Selection of contractor for Supply, Installation, Testing & commissioning of HVAC work in canteen area at Gujarat National Law University Campus
WAP/GIS/GNR/INFRA/GNLU/2020/01

Sr.No	Section No./ Clause No./ Page No.	As per Tender Document	Observation/ Query	Clarification given by WAPCOS
1	NIT	<p>Last date & time for online submission of Technical & Financial Bid - 30.06.2020 up to 13:00 hours</p> <p>Offline Submission of Tender Fees, EMD etc. as detail in Tender (Physical Submission) - 30.06.2020 up to 15:00 hours at; Bidders must submit the Technical Bid, Tender Fees & EMD in separate Envelopes & Financial Bid to be submitted online only.</p> <p>WAPCOS Limited (515, 5th Floor, Shree UGATI Corporate Park, Opp. Pratik Mall, KobaGandhinagar Road, Kudasán, Dist: Gandhinagar, Gujarat-382421)</p>	<p>As everyone knows, the lockdown is not over as Mumbai is still in the Red Zone. So, it will be delayed to receive the courier of hard copy.</p> <p>Therefore, we request you to kindly extend the date for submission of hard copy of documents.</p>	<p>Last date & time for online submission of Technical & Financial Bid - 04.07.2020 up to 13:00 hours</p> <p>Offline Submission of Tender Fees, EMD etc. as detail in Tender (Physical Submission) - 06.07.2020 up to 15:00 hours at; WAPCOS Limited (515, 5th Floor, Shree UGATI Corporate Park, Opp. Pratik Mall, KobaGandhinagar Road, Kudasán, Dist: Gandhinagar, Gujarat-382421)</p>
Vallabh Aircon				
1	3.0 QUALIFYING CRITERIA:	<p>“Similar work” means Supply, installation, testing, commissioning of HVAC works, directly executed for Central/ State/ PSU’s. (Completion certificate needs to be enclosed)</p> <p>Page No. 23</p>	<p>As per the tender the eligibility criteria (under section II selection and qualifying criteria) check list item no 9(at page no 23) of similar work means supply,installation,testing and commissioning of ‘HVAC’ work directly executed from central/state/psu’s. so I request you to please also consider similar work means supply,installation,testing and commissioning of ‘HVAC’ work directly executed from central/state/psu’s/ all type of educational institute.</p>	Tender condition prevails.
Nikunj Parmar sales@ensol.co				
1	VOLUME II- SCOPE OF WORK, TECHNICAL SPECIFICATION	FACTORY BUILT AIR HANDLING UNIT (AHU), FAN COIL UNIT (FCU), CEILING SUSPENDED UNIT (CSU) AND OTHER AIR DISTRIBUTION SYSTEMS	We have query regarding ceiling suspender unit make list. Kindly allow make "Carrier" as Ceiling suspended unit so entire system are under Single brand.	Tender condition prevails.
M K Engineer				
1	VOLUME IV – DRAWINGS	VOLUME IV – DRAWINGS	We need HVAC Drawing for quoting HVAC low side work please we request to you.send drawing.	All the required drawings are available in VOLUME IV – DRAWINGS.