

OUR 2-PART E-TENDER NOTICE No. IPR/TPT/TN/ET/F/19-20/4 DATED 30TH MAY, 2019 for SUPPLY OF EXPERIMENTAL HELIUM COOLING SYSTEM AT IPR-GANDHINAGAR AS PER THE TECHNICAL SPECIFICATIONS MENTIONED IN THE TENDER DOCUMENTS – 1 SYSTEM.

PRE-BID CLARIFICATION

Annexure-I

Sr. No.	Vendor queries concerning	IPR reply
1.	Vendor list provided in the tender document and option of procuring some items (e.g. compressor etc.) from suppliers whose name is not mentioned in the tender document.	For procurement of items, name of some of the recognized suppliers are mentioned in the tender document, however this list is not exhaustive. The vendor can procure items from other recognized suppliers as well, provided they meet the technical requirements mentioned in the tender document. The chosen suppliers should have good track record and experience of supplying such items. Additionally, IPR has to be informed in advance about the suppliers for its concurrence.
2.	Providing drawings of parts No. HX-001, HX-002 a, b, HT-001.	Additional details, drawings etc. about the components will be provided after the placement of the purchase order.
3.	Inspection at supplier's place.	Inspection at suppliers place shall be carried out as per IPR approved QAP.
4.	Charges for third party appointment and inspection.	Appointment of third party is in the scope of IPR, and If required, IPR may appoint a third party for review, witness and inspection of the works associated with the tender. Charges for appointment and inspection are not in the vendors` scope.
5.	Using software for preparing 2D drawings & 3D model and submission of documents and source file.	As mentioned in the tender document, the final drawings and models are required to be submitted in CATIA format. However, for initial working and review, the vendor can use other software (e.g. INVENTOR, AUTOCAD and preliminary study file can be submitted in STEP format).
6.	Warranty of the components	As mentioned in the tender document standard manufacturer's warranty of 1 year shall be provided for the bought out items and for some high value items (as specified in the data sheet of the components) 2 year warranty period should be considered.
7.	Supply of additional items, if any, which are not a part of the present BOM.	The same will be mutually discussed and settled.
8.	Possibility of initiating the activities of phase-II as early as possible.	As mentioned in the tender document, the maximum period specified for commencement of phase-II activities after the completion of phase-I activities is 9 months (maximum). However, IPR will try to minimize the gap and initiate the activities of phase-II as early as possible.
9.	Evaluation of leak tightness of free issue material (FIM)	Free issue material are tested for leak tightness and the results of the same will be shared with the vendor.
10.	Connection of Test Section Module during inspection, testing and commissioning of the system.	As mention in the tender document, Supply, installation & commissioning of TSM are not in the scope of the vendor and thus this component/system will not be connected to the system during inspection, testing and commissioning of EHCL.
11.	Payment of Tender Processing Fee (of Rs. 5900,-) in case of foreign bidder.	Foreign bidder is also required to pay the Tender Processing Fee.

12.	Payment of EMD (earnest money deposit) in case of foreign bidders.	Foreign bidder is not required to pay the EMD (earnest money deposit).
13.	In case of conflict between drawings (PID, engineering drawings etc.) and the Technical Specification.	In general, In case of conflict between drawings and spec., drawings has precedence over technical specifications.
14.	Reference: technical specification, Section C, page 52-54 Sl. No. 3, Helium compressor (PC-001) Clarification regarding required signal from compressor control panel to IPR master control panel.	The controller/control panel need not be compulsorily PLC based. Profibus communication between IPR master controller and helium compressor control system is not mandatory.
15.	Reference: technical specification, Section C, page 48 Sl. No. 1 Additional details regarding valve positioner, position feedback transmitter, filter materials etc. for control valve (VC-005) for water system.	<p>a) Valve positioner (Smart type)</p> <ul style="list-style-type: none"> ▪ Valve positioner shall be installed on the control valve body. ▪ Valve positioner shall be of two-wire configuration with input control signal of 4-20 mA DC. ▪ Valve positioner housing shall be of aluminium. ▪ Preferred make of smart positioner are SIEMENS, ABB, Flowserve etc. <p>b) Position Feedback Transmitter</p> <ul style="list-style-type: none"> ▪ Position feedback transmitter shall be a 24 VDC loop powered transmitter with two-wire configuration. ▪ Position feedback transmitter shall provide an output signal of 4-20 mA DC corresponding to 0-100% of valve travel. ▪ Transmitter housing shall be of aluminium. <p>c) Air Filter Regulator</p> <ul style="list-style-type: none"> ▪ Air filter Regulator shall have 40 micron filter or better. ▪ For other details of the control valve such as flow rate and Cv values, please refer the tender document.
16.	Reference: technical specification, Section C, page 49 Sl. No. 2 Additional details regarding solenoid valves parameters, limit switch details, filter materials etc. for ON-OFF valves (VG-007/VG-008/VG-009/VG-010/VG-013) for water system.	<p>a) Solenoid Valve</p> <ul style="list-style-type: none"> ▪ 24 VDC operated solenoid valves shall be installed on the ON/OFF valves for actuation through instrument air. ▪ Installation arrangement of solenoid valves shall achieve specified air-failure position of ON/OFF valve as mentioned in tender document when solenoid is de-energized. ▪ Material of construction for solenoid valve body and wetted parts shall be Stainless steel. <p>b) Limit Switches</p> <ul style="list-style-type: none"> ▪ Limit switches with operating voltage of 24 VDC shall be provided with ON/OFF valves to provide open and close status. ▪ Necessary mounting accessories, if any, shall be provided for limit switches. <p>c) Air Filter Regulator</p> <ul style="list-style-type: none"> ▪ Air filter Regulator shall have 40 micron filter or better.

Annexure-II
Additional Details/clarification

Sr. No.	Reference: Technical specification (SECTION – C) of the tender document	Details/clarification
1.	Page 48 Sl. No. 1, (VC-005)	<p>a) Valve positioner (Smart type)</p> <ul style="list-style-type: none"> ▪ Valve positioner shall be installed on the control valve body. ▪ Valve positioner shall be of two-wire configuration with input control signal of 4-20 mA DC. ▪ Valve positioner housing shall be of aluminium. ▪ Preferred make of smart positioner are SIEMENS, ABB, Flowserve etc. <p>b) Position Feedback Transmitter</p> <ul style="list-style-type: none"> ▪ Position feedback transmitter shall be a 24 VDC loop powered transmitter with two-wire configuration. ▪ Position feedback transmitter shall provide an output signal of 4-20 mA DC corresponding to 0-100% of valve travel. ▪ Transmitter housing shall be of aluminium. <p>c) Air Filter Regulator</p> <ul style="list-style-type: none"> ▪ Air filter Regulator shall have 40 micron filter or better. ▪ For other details of the control valve such as flow rate and Cv values, please refer the tender document.
2.	Page 49 Sl. No. 2 (VG-007/VG-008/VG-009/VG-010/VG-013)	<p>a) Solenoid Valve</p> <ul style="list-style-type: none"> ▪ 24 VDC operated solenoid valves shall be installed on the ON/OFF valves for actuation through instrument air. ▪ Installation arrangement of solenoid valves shall achieve specified air-failure position of ON/OFF valve as mentioned in tender document when solenoid is de-energized. ▪ Material of construction for solenoid valve body and wetted parts shall be Stainless steel. <p>b) Limit Switches</p> <ul style="list-style-type: none"> ▪ Limit switches with operating voltage of 24 VDC shall be provided with ON/OFF valves to provide open and close status. ▪ Necessary mounting accessories, if any, shall be provided for limit switches. <p>c) Air Filter Regulator</p> <p>Air filter Regulator shall have 40 micron filter or better.</p>
3.	Page 52-54 Sl. No. 3 Helium compressor (PC-001)	<ul style="list-style-type: none"> ▪ The controller/control panel need not be compulsorily PLC based. ▪ Profibus communication between IPR master controller and helium compressor control system is not mandatory.

Annexure-III

The following eligibility condition is deleted from the Excel Sheet of Bid File, namely IPR_Commercial_Bid.xls, Annexure-A (Eligibility) file containing eligibility conditions for the bidder/s.

Sr. No.	Reference: Eligibility Criteria (Annexure-A)	IPR clarification
1	The bidder should be a manufacturer or authorized dealer / distributor / agent of the manufacturer.	This criteria is deleted from the Annexure-A (Eligibility Criteria) of the tender document.