Responses to the pre-bid queries

Tender No: I-ITN21005 dated 17th January, 2022

Manufacturing testing and supply of vacuum vessels for HNB3 beam line vessel and beam source vessel and DNB

TABLE-1: Technical

1. Query No.	2. Ref. Tender Part /Section No.	3. Ref. Clause No.	4. Description of the query	5. Response of ITER-India
1	Annexure - 3	5	The edition for the standard NF-EN 10204 is not specified. Kindly confirm the edition to be followed.	EN 10204: 2004. The same shall be clarified in **Corrigendum-3.**
2	Annexure - 4	5.16	The maximum average surface roughness shall be considered in accordance with ISO 4278:2000. ISO 4278 refers to the standard 'Sodium Fluoride for Industrial Use' while ISO 4287 refers to 'Surface Texture: Profile method'. As per our understanding, ISO 4287 shall be referred here. Kindly confirm.	Please consider ISO 4287. The same shall be clarified in **Corrigendum-3.**
3	Annexure - 4A to 4H	1	The operating temperature for the HNB3 & DNB vessels is not	Design is at Room Temp. However, they are designed to take care of

			specified. Kindly provide the same.	accidental temperatures upto 300 C. The same shall be clarified in **Corrigendum-3.**
4	Annexure - 4A to 4E & 4H	3 / 4	The frequency of product analysis for the raw material of HNB3 & DNB vessel which are not specified. Material specification from RCC-MR code is applicable. Hence, frequency in material specification shall be as per RCC-MR 2007 if not given in ITER- India specifications. Kindly confirm.	The frequency of product analysis shall be considered as follows: Annexure 4A: One per heat Annexure 4B: One per heat Annexure 4C: One from each rolled sheet / strip Annexure 4D: One tube per lot Annexure 4E: One per heat Annexure 4F: One per heat Annexure 4G: One from each rolled sheet / strip Annexure 4H: One tube per lot The same shall be clarified in **Corrigendum-3.**
5	Annexure - 4A to 4H	1	As per RCC-MR 2007, RM 0140 qualification is not mandatory for Class 2 components unless it is called for in Equipment Specification. Since, there is no mention about RM 0140 qualification in tender, we consider that this is not applicable. Kindly confirm.	RM 0140 is not applicable. However, shop qualification is a requirement as per Annexure 6D.
6	Annexure - 4A, 4B, 4E & 4F	11.3 / 12.3	In the definition of lot, for the condition Smax / Smin ≤ 1.25, S is defined as Stress. As per our understanding, S represents area and	Please consider S = area The same shall be clarified in **Corrigendum-3.**

			not stress. Kindly confirm.	
7	Annexure - 4A, 4B, 4D & 4H	Mechanical properties	As per RCC-MR code, impact testing is required for forgings, forged or rolled bars & seamless pipes for DNB vessel and seamless pipes for HNB3 vessel when percentage elongation after fracture is < 45% irrespective of specimen direction. The requirement for the same has not been given in the relevant technical material specifications. We understand that this is requirement of RCC-MR code and should be applicable. Please clarify.	Impact test shall be performed in case A% is <45. The requirements related to the impact test shall be as per RCC-MR and the same may be provided by ITER-India upon request during contract execution. The same shall be clarified in **Corrigendum-3.**
8	Annexure - 4E	Mechanical properties	As per RM 3321 of RCC-MR code, percentage elongation after fracture is >= 45 irrespective of specimen direction. However, Annexure-4E gives different values in longitudinal and transverse directions which violates RCC-MR code. Please clarify.	For Annexure 4E and Annexure 4F, Please read the A% requirement as follows: Percentage elongation after fracture, A% (5d): 45 (Both transverse and longitudinal) The same shall be clarified in **Corrigendum-3.**
9	Annexure - 4C & 4G	14	Ultrasonic testing is specified for all thickness of plates & sheets in technical specification. However, thickness wise applicability is given	Yes, it is correct that thickness wise applicability is given in RCC-MR. However, UT is technically feasible even below the thickness mentioned in RCC-MR. Therefore, we would like to retain this clause and in case of any feasibility issue the same can be taken up

			in RCC-MR code. We propose to perform ultrasonic testing on plates with thicknesses where UT is technically feasible. Kindly confirm.	during execution / MRR.
10	Annexure - 4G	20.1.2	Intergranular corrosion test is not required as per ITER-India specification but report is requested. We understand that para 20.1.2 is not applicable for plates used in HNB3 vessel. Kindly confirm.	Please ignore 20.1.2 as this is not applicable for material covered under Annexure 4G. The same shall be clarified in **Corrigendum-3.**
11	Annexure - 4C & 4G	3	Reference of Clause 6 of Annexure - 4 is given in the clause 3 of Annexure - 4C & 4G. However, clause 6 of Annexure - 4 refers to standard metallic seals. We understand that reference should be to clause 4 of Annexure - 4 which contains inclusion content limits for ESR / VAR material. Kindly confirm.	For clause 3 of Annexure - 4C & 4G, Please read clause 4 of annexure 4 in place of clause 6 of annexure 4. The same shall be clarified in **Corrigendum-3.**
12	Annexure - 4	Table 1	As per Table -1 of Annexure - 4, we understand that there will be no special requirements applicable for parts machined from raw material of thickness higher than 25mm to get final part thickness less than 25 mm. Kindly confirm.	The thickness mentioned are the nominal thickness (forming the vacuum boundary) and the requirements are applicable irrespective of raw material thickness.

13	Annexure - 4	Table 1	As per Table-1 of Annexure - 4 for plates, due to small quantity, it may not be possible to source the material in ESR / VAR grade. This should be accepted subject to meeting inclusion content requirement specified in the clause 4.2.1. Kindly Confirm.	ESR/VAR is the specification requirement and the same shall be followed.
14	Annexure - 4C & 4G	7.8	As per clause 7.8 of Annexures - 4C & 4G, in case of plate materials utilized for T type welds, cleanliness of material specifically for S < 0.01. As per our understanding S refers to the Sulphur content. Kindly confirm. Kindly provide technical details for through thickness tensile test. We presume that this is as per SA 770 requirement with its acceptance criteria. Kindly confirm.	Yes, S refers to the Sulphur content. EN 10164 shall be used for through thickness tensile test. The same shall be clarified in **Corrigendum-3.**
15	Annexure - 4C & 4G	12.4.3	As per the RCC-MR code, the values of yield strength at 0.2% offset at room temperature & at higher temperature and ultimate tensile strength and percentage elongation of material at room temperature is different for	<u>For Annexure 4C.</u> Tensile properties for sheet with thickness < 3mm shall be considered as follows: **RT:** YS: 220 UTS: 520 – 670 MPa

			different thicknesses. In the material specification, same values are given these properties for all thicknesses. We propose the same to be as per respective RCC-MR specification. Kindly confirm.	Elongation – 45 % **At 200 C:** YS: 118 MPa. <u>For Annexure 4G:</u> Tensile properties for sheet with thickness < 3mm **At RT:** YS: 240 MPa; UTS: 530 – 680 MPa; Elongation – 40 % **At 200 C:** YS: 137 MPa. Tensile properties for sheet with thickness >=3 remains the same as per tender spec. for both Annexures. The same shall be clarified in **Corrigendum-3.**
16	Annexure - 4B & 4C	4 / 5	The frequency for product analysis for Rolled or Forged bars and Plates is not specified in Annexure - 4B & 4C or RCC-MR technical specifications for DNB vessel. The same has been considered from Annexures - 4F & 4G respectively applicable for respective product forms used in HNB3 vessel. Kindly Confirm.	Refer response provided in Sr no. 4

17	Annexure - 4D	9.3.3	As per Annexure - 4D, the ultimate tensile strength of pipes at room temperature is given as 500 - 700 MPa. As per RM 3324 of RCC-MR, the same is given as 460 - 680 MPa. We presume that this is due to typing. Kindly confirm.	Please consider as follows: Annexure 4D table 3 UTS: 460 – 680 MPa Annexure 4H table 3 UTS: 525 – 700 MPa, YS 220. Annexure 4H; Clause 9.4.3: YS 144 MPa The same and additional information shall be clarified in **Corrigendum-3.**
18	Annexures - 4D & 4H	15	Kindly provide the hydrotest requirements i.e. hydrostatic pressure, holding time, etc. for the seamless pipes.	ASME B 31.3 / Annex 9 shall be followed. The same shall be clarified in **Corrigendum-3.**
19	Annexure - 4C	1	As per Annexure - 4C, the grade of Austenitic SS is X2CrNi18-9 and the reference RCC-MR material specifications for the same are given as RM 3332 & RM 3333. As per RM 3333, the material grade X2CrNi18-9 is not mentioned anywhere. Also, as per scope of Annexure - 4C, the specification is applicable for plates between 3mm and 100mm thick while RM 3333 is applicable for plates between 0.5mm and 3mm thick. As per our understanding, the requirements of RM 3333 do not apply to plates based on Annexure - 4C. Kindly confirm.	Scope of Annexure 4C shall be considered as follows: • This specification covers: Weldable austenitic stainless steel (1.4307 / X2CrNi18-9 / SS 304L) between 3mm to 100mm • Weldable austenitic stainless steel (1.4306 / X2CrNi19-11/ SS 304L) plates <3mm thickness. The same shall be clarified in **Corrigendum-3.**

20	Annexure - 4C	12.6	As per clause 12.6 of Annexure - 4C, bend test is only applicable for plates / strips with thickness < 3mm. This does not cover the requirements for plates / strips with thickness = 3mm. Kindly clarify.	Bend test is not the requirement for plate / strips=3mm thickness.
21	Annexure - 4	4.4	As per clause 4.4 of Annexure - 4, the Sulphur content of the welding area shall be between 100ppm and 150ppm to achieve good penetration and to avoid hot cracking. We understand that this requirement is applicable for contaminations from the fabrication point of view and not related to raw material composition. Kindly confirm our understanding.	Sulphur content specified for the raw material.
22	Annexure - 4	5.15	Kindly specify the standards / procedure and acceptance criteria to be applied for electro-polishing requirements.	Please ignore this clause. The same shall be clarified in **Corrigendum-3.**
23	Drawings & Model	-	D-shackles are provided in drawing & models. However, stage where they will be used is not clear. Hence, kindly provide capacity / model no. / standard for the same.	This is for handling purpose during various phases of mfg. and testing. As mentioned in the tech spec, the corresponding flanges are non-RCC MR components, the shackles on them can also be procured as the standard material according to the weight of the components and following the standards of lifting practices (ensuring enough safety margin).

24	Drawings & Model	-	No details are provided for the connection (Interface) of BLV & BSV like Fastener, gasket details, etc. We presume this is not in our scope. Kindly Confirm.	Interface of BLV and BSV is welded. This welding will be performed at Site and it is not in the scope of bidder.
25	Drawings & Model	-	Part drawings for the same are provided for Removal Lips. However, the same is not mentioned in the assembly drawings & BOM. Hence, we presume the same is not in our scope.	Removable lip is in bidder's scope. Refer dwg no. 01-01-00. The same has been provided in the Corrigendum - 1.
26	Drawings & Model	-	Part No. 57 for retaining gasket is there in BLV BOM and also referred in Technetics drawing no: 432-0237924. We propose to follow 295Technetics Drawing and ignore part no. 57 in BLV BOM. Kindly Confirm.	Technetics drawing 432-0237924 shall be followed. The same shall be clarified in **Corrigendum-3.**
27	Drawings & Model	-	Drawing no. 111-108943 is referred for part no. 91 in BLV BOM but the drawing for the same is not provided with Tender. Kindly provide the same.	The drawing no. 034108 is related to metallic seal from Technetics (bidder's scope) and the same shall be provide in due course.
28	Drawings & Model	-	In section View H-H of drawing 046713 sheet no. 02, 2mm thick permanent lip is shown with bending. There will be thinning of the material. We propose to accept the lip with local thinning.	% thinning shall be as per mutually agreed standard. This may be discussed during contract execution / MRR.

			Kindly Confirm.	
29	Drawings & Model	-	Viewing the model, it is observed that there are some locations having perpendicular tube to tube joints. We understand that the Tee connections are better options for the same. Kindly suggest suitable Tee connections compatible to ITER Vacuum requirements.	This may be discussed during contract execution / MRR.
30	Drawings & Model	-	Wherever the dimensions are missing in the drawings CATIA Models to be referred for the same and dimensions will be extracted from the model. Kindly confirm.	The same shall be brought to the notice of ITER-India before concluding.
31	Drawings & Model	-	Detail 'BY' in sheet no. 7 of Drawing no. 46465, mismatch identified for part no. 74 & 75 given in the drawing. We understand that correct part nos. are 78 & 44 respectively. Also, isometric view in sheet no. 3 of Drawing no. 46465, Part no. 118 is specified which is not present in the BOM. We understand that correct part no. is 85. Similar issues may arise in future also, we propose to discuss	Detail 'BY' in sheet no. 7 of Drawing no. 46465: Replace 74 by 78 and 75 by 74. Isometric view in sheet no. 3 of Drawing no. 46465: Replace part 118 by 85. The same shall be clarified in **Corrigendum-3.** Similar issues in future shall be brought to the notice of ITER-India for and tice and mutually agreed.

			and arrive mutually agreed solution. Kindly confirm.	
32	Drawings & Model	-	We understand that the Helicoflex seals comprising of the Connecting plates/shims & fasteners along with the retainers used for attaching the seal with the vessel will be provided by Technetics. Please confirm.	All these components are covered under dwg no 111-0227449 and therefore shall be provided by Technetics. Similar is applicable for rear lid of BSV.
33	Drawings & Model	-	Calculated distance (from Detail F of drawing "FLANGE_EXT-WJZP3Z") between the centers of two Gaskets groove of rear lid is as 29.4mm. However, the face of BLV flange in contact with rear lid has a width of 25mm (as per detail AK on sheet no. 8 of drawing no. 046910). Assembly of the gaskets at 29.4mm with face of 25mm will not provide sealing. Some modification would be required in flange face. Kindly confirm.	This may be discussed at the time of MRR. If required, same shall be modified by ITER-India/IO.
34	Drawings & Model	-	Isometric views of drawing "BEAM_ LINE_ VESSEL_ ASSY # WGZ23H _--G" on sheet 3 of 22 refers to the seal for Top Lid to Vessel of BLV. We understand that this is a Helicoflex seal which is given as Free issue Material. However, on sheet 22 of 22 part no. 113 in BOM	Please refer annexure 2: Viton seal, required for the first stage of leak test is in the scope of bidder. Metal seal, required for the second stage of leak test is FIM. (The above is applicable for Top lid to Vessel of HNB3, Top lid to vessel of DNB and Rear lid of HNB3)

			is mentioned as Viton (Fluoro elastomer). Scope of supply and material of Gasket/seal is conflicting. Please clarify.	
35	Drawings & Model	-	Part No. 49 of the BLV mentioned in BOM of drawing "BEAM_LINE_VESSEL_ASSY#WGZ23H_--G" is not understood as Part no. 113 is also referred to the same location in Isometric view in the sheet no. 3 of the drawing. Kindly Clarify.	Part no 49 is metal seal (FIM) and Part no 113 is Viton seal (bidder's scope) at the same location. Refer annex 2 and also response to Sr. No. 34.
36	Drawings & Model	-	Material of construction for Retainer nuts used for mounting of the seals is Grade 660. We propose change in material from Grade 660 to 316LN due to size & MOQ limitations if they are in our scope of supply.	Material shall be as per specification.
37	Corrigendum dated 10.02.2022	-	In Corrigendum dated 10.02.2022, Page 9 of 15: The BLV vessel assembly drawing is mentioned with revision F "BEAM_LINE_VESSEL_ASSY#WGZ23H_--F" however the drawing shared in Tender is Revision G "BEAM_LINE_VESSEL_ASSY#WGZ23H_--G". We are following the drawing with revision G. Kindly confirm.	BEAM_LINE_VESSEL_ASSY#WGZ23H_--G is valid. The same shall be clarified in **Corrigendum-3.**

38	Corrigendum dated 10.02.2022	-	In Corrigendum dated 10.02.2022, Page 9 of 15: The BLV vessel assembly as per drawing "BEAM_LINE_VESSEL_ASSY#WGZ23H_--F" is to be made from FIM material 2mx2mx68mm thickness x 10 nos. plates. The drawing refers to the complete BLV vessel assembly and does not bring clarity which component/part is to be made from the 68mm thick Plate issued as FIM because majority of plate thickness is in the range of 20mm to 40mm. Kindly clarify.	BLANKING_FLANGE_&_LIFTING_LUG DETAIL_VIEWS) of BEAM_LINE_VESSEL_ASSY#WGZ23H_--G are proposed to be manufactured here. The same shall be clarified in **Corrigendum-3.**
39	Annexure-4	7	As per Clause 7 of Annexure-4, it is mentioned that material and grade are defined in Bill of Material and shall be procured in compliance with the code or standard written in Bill of Material. However, Bill of Material mentions only dimension standard. Also, reference given for Appendix A3 give only property values. What are the RCC-MR code specification / standards to be referred for these items? Please specify.	• RM 4123 for Inconel 718 • RM 3551 for Grade 660 (with restriction of Co, Nb and Ta) • RM 5151 for 42CrMo4 (with restriction of Co, Nb and Ta) The same shall be clarified in **Corrigendum-3.**

40	Annexure-6A: Welding acceptance of Filler material	3.1	We propose followings methodology for welding consumable acceptance test - In case welding consumables were procured with 3.1 certification i.e. actual chemical & mechanical testing under quality control department of consumable supplier meeting specification requirements, repeat testing at component manufacturer is not required. Test certificate to be submitted for approval as per clause 4. Kindly confirm.	Repeat testing at the component manufacturer is not required if the tests specified in the specification are performed in the presence of the Quality Control Department of the Supplier of the filler materials and /or of the Manufacturer and ITER-India.
41	Annexure-6A: Welding acceptance of Filler material	3.3 & 3.4	We propose to procure welding consumable meeting designation as per applicable SFA specifications of ASME Sec IIC. Kindly confirm.	Welding consumable shall be as per Annex 6A.
42	Annexure-6A: Welding acceptance of Filler material	3.6.1.3	For ferrite measurement, in addition to specified Schaeffler's & Delong diagram, we propose WRC 1992 diagram as an alternate. Kindly confirm.	We propose to stick to Schaeffler's & Delong diagram.
43	Annexure-6A: Welding acceptance of Filler material	3.6.4.4	We understand that methodology mentioned for automatic welding process is also applicable for Machine welding processes.	Yes.

			Kindly clarify.	
44	Annexure-6B: Welding procedure specification (WPS) & Welding procedure qualification (WPQ)	6.3.1	We propose existing qualified welding procedure as per ISO-15614 & ITER vacuum handbook attachment-1 & Meeting Specification requirements will be used directly without taking requalification. Kindly Confirm.	The bidder shall demonstrate that conditions mentioned in the 6.3.1 are met. Necessary compliance sheet shall be provided by the bidder for such cases.
45	Annexure-6B: Welding procedure specification (WPS) & Welding procedure qualification (WPQ)	7.4	We understand that Machining/Grinding process will be used for procedure qualification coupon & same machining/grinding process will be used on actual job. In addition to above, in case thermal cutting is performed, HAZ will be completely removed by Grinding/Machining process. Kindly confirm.	This is correct understanding.
46	Annexure-6B: Welding procedure specification (WPS) & Welding procedure qualification (WPQ)	8.4.1	We understand that base material having similar mechanical & chemical properties can also be used for Procedure qualifications. Kindly confirm.	Please comply with clause 8.4.1 of annex 6B.
				In addition, Annexure 6A clause 3.1.2 shall also be

47	Annexure-6B: Welding procedure specification (WPS) & Welding procedure qualification (WPQ)	8.7.1	We will follow Test certificate submitted as per clause 4 for review & approval as a final filler metal acceptance test. Kindly confirm	applicable.
48	Annexure-6B: Welding procedure specification (WPS) & Welding procedure qualification (WPQ)	8.7.6	We understand that, Geometrical characteristics rules does not apply to Filler material used for Gas Tungsten arc welding process (141), for gas Specification requirements will be followed. Kindly confirm.	141 is not exempted under this rule.
49	Annexure-6C: Welding qualification of welders & operators	3.4.3	We understand that, welder or welding operator will be used within his qualification limits for as per respective ISO 9606 or ISO 14732 standards. Kindly confirm.	ISO 9606/ISO 14732 with additional requirement of Annexure 6C shall be followed.
50	Annexure-6C: Welding qualification of welders & operators	3.4.3	We understand that, for thickness. Above 50mm welded by manual process, Approved thickness limit is from Smm to 2t (Where t is qualified thickness) kindly confirm.	Approved thickness limit is from 5mm **to** 2t. The same shall be clarified in **Corrigendum-3.**

51	Drawings & Model	-	In section CU-CU of drawing 046910 sheet no. 16: dimensions of the pipe is mentioned as ID 127mm & thickness 7.2mm. The OD is matching with the standard pipe of DN 125=141.3mm, whereas the thickness 7.2 mm is not available in standard chart. The next higher thickness schedule 80S = 9.53 mm thickness is considered accordingly the ID will be reduced to 122.2mm. Kindly confirm.	We understand the concern. This can be taken up at the contract execution stage.
52	Drawings & Model	-	In section CL-CL on sheet 15 of drawing 046910: Pipe size is given as DN250 SCH-20 but the endcap size is given as DN250 SCH-40. There is mismatch in pipe and endcap thickness. However, no smooth transition on thickness is given. Do we need to provide thickness transition?	This shall be the part of manufacturing design.
53	Drawings & Model	-	As per detail EG on sheet 19 of drawing 046910, it is mentioned that the detail is applicable 23times but as per the CAD model it should be applicable 25times. Also, local thinning in the bend regions to be ignored. Kindly confirm.	This is applicable for 25 times The same shall be clarified in **Corrigendum-3.** % thinning shall be as per mutually agreed standard. This may be discussed during contract execution / MRR
54	Drawings & Model	-	In section CX-CX on sheet 19 of drawing 046465: 3 nos. parts of thickness 20 & 25mm measured from model are not listed in the BOM as well as not provided in drawing. We understand that they are not in scope of supply. Kindly confirm	These parts are in the scope of supply. Drawing no. 046910 sheet 26, provides the information about these parts. Regarding the dimensions, please refer note mentioned on sheet 2, drawing no 046910 “Note: for all drawing only functional tolerances and

				dimensions are indicated, for non-functional dimensions please refer to 3d model."
55	Drawings & Material spec	-	Plates having thickness less than 25mm are inside the vessels (within Vacuum boundary). Since, theses plates are not part of pressure boundary and they are internals, we presume special prohibition (Table 1 of Annexure-4) for not using plate less than 25mm thickness is not applicable on them. Kindly confirm.	This is correct understanding. Table 1 of annexure 4 shall not be applicable for inside vacuum.
56	Drawings & Material spec	-	in the BSV BOM additional materials are identified which are not listed in the material specification. Materials are S295, AlZn8MgCu, Al Bronze CuAl10Ni5Fe4(CW307G), 20crMnTi, etc. We presume that no special requirement is applicable to them. Kindly confirm.	These materials need not to be RCC-MR compliant and no specific requirement for these materials. Standard material as per EN shall be procured for the same along the 3.1 material certificates. The same shall be clarified in **Corrigendum-3.**
57	Drawings & Material spec	-	In Annexure-4 clause 5.15: Electropolisihing requirement for piping elements used to manufacture cooling and gas systems is specified. However, the piping elements for cooling and gas systems are not identified in drawing. Kindly inform which pipes belongs to this system. If there are such pipes available, kindly inform standard for electropolishing and requirement of finish if it is stringent than 6.3 microns.	Please ignore clause 5.15 of annexure 4. The same shall be clarified in **Corrigendum-3.**

58	Drawings & Material spec	-	In Annexure-4 clause 4.3: Both halves of demountable flanges using metal seals and Knife edge seal flanges have special requirements irrespective of thickness. We have not found any such flanges. Kindly inform if such requirement is applicable to any of the flanges.	Requirements related to Knife edge seal flanges to be ignored.
59	Section-B: : Technical & Management specifications, scope of supply and scope work	Clause 8.7.5	Submission of signed documents are required in INDUS or IDM or in both, kindly clarify	This shall be mutually agreed at the kick-off meeting.
60	Section B	6. Document Organization, Table 5: Applicable ITER Documents	The documents mentioned below are not uploaded with tender, kindly provide these documents 1) Design Description of HNB3 vessel - ITER_D_YRJ672 2) HNB3 vessel weld justification report and welding table - ITER_D_2UQS9Z 3) Manufacturing assessment of HNB3 vessel -- ITER_D_3K5H8V	The mentioned document shall be provided with **Corrigendum-3.**
61	Section B	3.2 Scope of work for DNB Vessel and HNB-3 Vessel for transportation fixture / Frame	Considerable details of DNB & HNB3 Vessels are given in the tender. However, details of transportation fixture / frame are not appearing in the tender. Kindly share conceptual sketches or drawings envisaged for transportation fixture / frame for these vessels	Design of transportation fixture is in the scope of bidder starting from the conceptual to its realization. Please refer Annexure 12.

62	DNB Vessel	Drawing no 01-03-00	Details required for procurement of following items of Drawing no 01-03-00 :-- 43) PRODUCT_DESCRIPTION 44) PRODUCT_DESCRIPTION_1 45) SS_TP4_TA4_22707 46) GUIDING_PART 48) SUPPORT_CONNECTOR 49) CRYOPUMP_CONNECTOR 50) DNB_CRYOPUMP_SVS_FLEXIBLE 51) CONNECTOR_RID_HV 52) FLEXIBLE_RID	The requested details shall be provided in provided with **Corrigendum-3.**
63	DNB Vessel	Drawing no. 111-108943 & 111-0218446	Drawings required for following part numbers : 38) OUTER_SEAL_HND_290SP , 111-108943 28 FLANGE_FS_BLV_SEAL, 111-0218446	Drawing no. 111-108943 refers to the drawing 034108 version E (as mentioned in the comment against the part no. 38 of BoM of Annexure 14). The drawing no. 034108 is related to metallic seal from Technetics (bidder's scope) and the same shall be provide in due course. For part no. 28, please consider drawing no. 432-0237924 instead of 111-0218446. The same clarification shall be provided in **Corrigendum-3.**
64	DNB Vessel	Drawings no. 01-01-02	Material SS 316 L (N) is written on Top lid assembly drawing no 01-01-02 , where as material SS 304 L is written in BOM of DNB vessel. Please clarify.	Moc is SS304L. The clarification shall be provided in **Corrigendum-3.**
65	DNB Vessel	Drawing no 01-01-00	Coating requirement is not mentioned for Part no 58 to 81, Please clarify.	Please refer clause 10 of annexure 5 for fasteners. The clarification shall be provided in **Corrigendum-3.**
66	DNB Vessel	Drawing no 01-03-00	Coating requirement is not mentioned for Part no 33 to 39 Please clarify.	Please refer clause 10 of annexure 5 for fasteners. The clarification shall be provided in **Corrigendum-3.**

67	DNB Vessel	Drawing no 01-02-00	Coating requirement is not mentioned for Part no 13 to 17 Please clarify.	Please refer clause 10 of annexure 5 for fasteners. The clarification shall be provided in **Corrigendum-3.**
68	DNB Vessel	Drawing no 01-03-00	DNB SVS piping diameter and wall thickness not indicated in drawing. Please clarify.	Tube to be considered here is 6mm OD and 1mm thk. The clarification shall be provided along with the **Corrigendum-3.**
69	HNB3 Vessel	Drawing no 046465	Please clarify weld joint configuration of Bottom stiffener including corner piece with vessel body of HNB BLV vessel.	Manufacturing assessment of HNB3 vessel -- ITER_D_3K5H8V (document shall be provided along with Corrigendum-3 the may be referred.
70	DNB Vessel Drawings and 3dxml	01_01_02 DNB_BEAM_LINE_ VESSEL TOP_LID#5ESKN5	DNB_BEAM_LINE_VESSEL ISOMETRIC_VIEWS TOP LID – Drg. No. 01-01-01 Material: 316L(N)-IG, as mentioned in the drawing. In the Bill_of_material_DNB_BEAM_LINE_VESSEL _ASSY_220115. It is mentioned as 304L. Please confirm the MOC. [Not addressed in Corrigendum-1]	ITER-India Response: MoC: SS304L (Shall be corrected along with Pre-bid clarification)
71	Section-B; INDUS Ref. No. II-D8QD8EV - V1.3	1.3 DNB Vacuum Vessel	*The DNB Vacuum Vessel is designed to comply with the requirements of RCC-MR 2007, class 2 components and in compliance with INB order dated 7th Feb 2012*.' M/s XYZ understands that design of DNB and HNB vessels or review of design is not in the scope of bidder and that the design has been provided by ITER.	The understanding is correct. Engineering design has been provided by ITER-India. Bidder has to perform the manufacturing design followed by MRR (Manufacturing readiness review).
72	Section-B; INDUS Ref. No. II-D8QD8EV -	2. System Classification	Relevant sections of RCC-MR 2007 Class 2 and Class 3 for manufacturing of Vacuum	As mentioned in the Technical Bid format (Annexure-1) of the tender, it is bidder's responsibility to

	V1.3		Vessels may kindly be provided to M/s XYZ.	manage the relevant section of RCC-MR.
73	Section-B; INDUS Ref. No. II-D8QD8EV - V1.3	3. Scope of Supply	A list of exclusions mentioning major items / item categories excluded from scope may be provided for clarity.	Such details are already exist in the respective area of Tender. The same has already been presented and discussed during pre-bid meeting dated 17.02.2022
74	Section-B; INDUS Ref. No. II-D8QD8EV - V1.3	Table 5: Applicable ITER Documents	(i) 'Design Description of HNB3 vessel' doc no. ITER_D_YRJ672 (ii) HNB3 vessel weld justification report and welding table doc no. ITER_D_2UQS9Z (iii) Manufacturing assessment of HNB3 vessel doc no. ITER_D_3K5H8V could not be traced in the set of documents furnished. Please provide.	These documents will be supplied along with **Corrigendum-3.**
75	Section-B; INDUS Ref. No. II-D8QD8EV - V1.3	Clause 8.7.2 / Drawings to be prepared in CATIA V5 R23	Can 3D models be made in UG-NX of CATIA V5 R23 and then 2D drawings be developed in AutoCAD?	Multi-CAD approach is not acceptable as per the terms and condition of the tender (Annexure 14).
76	ITER vacuum Handbook : Appendix 2	Clause 2.2 / Post Cleaning handling of Vacuum Components	It is understood that the airborne particulate count not exceeding 5.0 x 10^6 particles of size > 0.5 µm per m3 for VQC 1 is to be maintained for preserving the vessels after their final assembly and cleaning. Please confirm.	Yes this is correct understanding.
77	DNB Vessel Design Description Document; INDUS Ref No II-IVZP53G-v1.0	Cl no. 6 Materials	It is understood that Vessels, Top Lid and Feedthrough boxes are of SS304L and that SS316L is not applicable for DNB Vessel. Please clarify.	This is correct understanding. DNB Vessel: 304L
78	Beam Line Vessel Assembly drg. no.	Sheet 22 of 22.	It is understood that Vessels, Top Lid, Base Plate and other components are of	This is correct understanding. HNB3 Vessel: 316LN

	046465		SS316LN and that SS304L is not applicable for HNB vessel. Please clarify.	
79	DNB Vessel Manufacturing Feasibility Assessment / INDUS Ref No II-L3A3DVK-v1_0	Fig. 9; Angled plate configuration	Angle of bottom plate may kindly be mentioned.	Pl. refer drawing no. 01-01-01
80	Annexure-6A: Welding Acceptance of Filler material	3.1.2	It is stated that welding consumables qualification tests at welding consumables manufacturer shall be carried out in the presence of the Quality Control Department of the Supplier of the filler materials and/or of the Manufacturer and ITER-India. 1) Can Supplier (M/s XYZ) procure welding consumables directly and offer Test certificates to ITER for review? 2) Is there any customer approved vendor list for electrodes?	1. Yes. However, the tests specified in the specification shall be performed in the presence of the Quality Control Department of the Supplier of the filler materials and /or of the Manufacturer and ITER-India. 2. Such list does not exist.
81	clause 3.3 of Section-B and clause 4.2 of Annexure-6E		Welding distortion assessment is to be done through simulation software. The software for the distortion assessment may be suggested.	SYSWELD may be used. Other similar software may also be used with prior acceptance of ITER-India.
82	Quality requirements as per 22MFG4 (V5.1)		Complete document 22MFG4 (V5.1) may kindly be provided	The document exist in the Tender (Folder name: “ITER Specific documents”)
83	ITER_D_44SZYP		Copy of ITER_D_44SZYP may kindly be provided	The document (Working_Instruction_for_Manufacturing_Re_44SZY

				P_v4_0) exist in the Tender (Folder name: "ITER Specific documents")
84	ITER_D_QV7GQF		Copy of ITER_D_QV7GQF may kindly be provided	The document (Inspection_Plan_(IP)_Template_QV7GQF_v1_3) exist in the Tender (Folder name: "ITER Specific documents")
85	MPP	refer page 20 of 44 -- Clause Manufacturing	It is not clear from the documents as to who will prepare the MPP. Kindly provide ITER approved copy of MPP to understand the requirements applicable and stages at which testing need to be performed.	Bidder has to prepare and provide and MIP. MIP shall be according to Requirements_for_Producing_an_Inspection_22MDZD_v3_7 and corresponding format Inspection_Plan_(IP)_Template_QV7GQF_v1_3. It shall cover all the stages of manufacturing and inspection according to the technical specification.
86	FAT	Annexure 2	Details of the contents required in FAT (as per Annexure 2) . Kindly advise whether any formats are available indicating the contents to be included in test reports (to prepare the test reports).	Bidder shall propose such format for review and approval. The typical content of the test report are already described in the tech spec for all the tests (e.g Annexure 10 for leak test).
87	NDT / Material testing requirements		NDT / Material testing requirements (ITER specifications or National / International codes) to be shared please	The requirements are as mentioned in the tech spec. Bidder shall arrange for the codes / standards as mentioned in the spec. Applicable ITER spec documents have already been provided with the Tender (Tech bid format, Annexure 1).
88	Personnel Qualification requirements,		Personnel Qualification requirements, (ITER specifications or National / International codes) to be shared please	The requirements are as mentioned in the tech spec. Bidder shall arrange for the codes / standards as mentioned in the spec. Applicable ITER spec documents have already been provided with the Tender (Tech bid format, Annexure 1).

89	Applicable NDT procedures for this tender		Applicable NDT procedures (ITER specifications or National / International codes) to be shared please	The reference sections of the code/ standard are as mentioned in the tech spec. Bidder shall arrange for the codes / standards as mentioned in the spec. Applicable ITER spec documents have already been provided with the Tender (Tech bid format, Annexure 1). The bidder shall prepare such procedures based on the applicable standard and provide them to ITER-India and IO for approval.
90	General		The volume of the specification is very large. M/s XYZ is going through the specification. If any drawing / document mentioned in the specifications and Bill of materials are found missing in the set of documents after the prebid meeting, the same may be provided by ITER-India.	OK
91	General		The volume of the specification is very large. M/s XYZ is studying the specification and drawings in detail. A summary of critical aspects to be taken care of during manufacturing may be provided.	The same have been presented and discussed during the pre-bid meeting.
92	ITER Specifications	General	Vendors for raw materials are not mentioned in specification except for Superbolts. Please send recommended list of suppliers for stainless steel plates and forgings, fasteners of Inconel - 718 and 42CrMo4 and other major items.	The list of potential suppliers for raw material shall be provided along with **Corrigendum-3.**
93	ITER Specifications	Drawings for DNB and HNB vessels	Details of side walls, bottom plates for DNB and HNB vessels are not adequately	**DNB BEAM LINE VESSEL PART(Drawing No. 01-01-01):** (1) SIDE WALL THICKNESS: Sheet no. 4-Section View-G,

			mentioned in the set of drawings provided. Separate drawings may be given for sidewalls and bottom plates for both DNB and HNB vessels.	Sheet no. 18- Detail-ED & Section View-EB, Sheet no. 20- Section View-EX. (2) BOTTOM WALL THICKNESS: Sheet no. 19- Detail-EI **HNB BEAM LINE VESSEL DELIVERY(Drawing No. 046910):** (1)SIDE WALL THICKNESS: Sheet no. 8- Detail-AK, Sheet no. 24- Detail-GE, Section View-GO, Sheet no. 25-Section View-HB, Section Cut-HK. (2)BOTTOM WALL THICKNESS: Sheet No. 25-Section View-HV, Detail-HN, Detail-HZ
94	ITER Specifications	Dye penetrant	Is there any special chemical for dye? Please let us know the chemical name and supplier of dye.	There is a dynamic list (constantly updating) exist in the ITER database for acceptable material. The typical list will be provided along with Corrigendum-3. Bidder shall contact ITER-India for the updated list during the contract execution. It is not mandatory to use the fluid only from the list. If bidder proposes to use any other fluid, the same shall be provided for approval of IO vacuum group, through ITER-India. The same shall be clarified in **Corrigendum-3.**
95	ITER Specifications	Annexure 10 : Leak Testing	Please provide Vacuum Leak Test procedure.	Bidder shall develop the leak testing procedure based on the requirements specified in Annexure 10.

TABLE-2: Commercial

Query No	Ref. Tender Part / Section No.	Ref. Clause No / Drawing no.	Description of query	Response of ITER India
1	2	3	4	5
1	SECTION-A (I): Essential Eligibility Criteria, Instructions to Bidders, Tender conditions and Bid Submission format	2.2.3 Bid Submission due date & Time	We are going through subject tender. Considerable time has gone in understanding the drawings, technical specifications and material specifications with respect to applicable codes and arriving at the requirement of raw material and bought outs. We have to get quotations for different verity of items with stringent specifications. This exercise requires around 2 to 3 months and hence we request you to arrange to extend due date for submission of bid to 16 May 2022.	Refer Corrigendum-2 for extension of bid submission date till 18th April 2022 latest by 1:00 pm (IST)
2	Section A(II) : Terms and Conditions of Contract	1.7.3.8 Custom Duty:	It is noted that supplier can import raw material and bought outs at nil custom duty. For doing so ITER will issue customs duty exemption certificate. At the same time ITER will issue End use certificate if required. Kindly confirm.	Custom Duty exemption certificate will be issued as per clause no. 1.7.3.8 of Section -A(II). End use certificate can also be issued, if required
3	Section A(II) : Terms and Conditions of Contract	1.7.4.2 Delivery and Payment Schedule	8. Payment of supervision charges : At actuals Kindly note that Supervision charges will also attract GST as applicable to supply of Items and to be paid along with Supervision charges. Please confirm.	Applicable GST on service part i.e. "charges for participation in SAT at IO, France" will also be paid as per applicable rate. Concessional rate (5%) against mentioned notifications will not be applicable on service part.

4	Section A(II) : Terms and Conditions of Contract	Table -2 Payment schedule for Part-A Contract (DNB vessel)	**We need to incur huge amount for procurement of raw material and hence, Point No. 5 & 6 to be revised as follows -** 1) 5% Contract value as Advance with Contract Award (against irrevocable bank guarantee) 2) 5% against Approval of all Manufacturing drawings 3) 5% against Successful completion of Manufacturing Readiness Review (MRR) 4) 5% against Placement of PO for major Raw material (Plates, Pipes, Forgings etc.) 5) **25% against receipt and acceptance of entire quantity of major Raw material (Plates, Pipes, Forgings etc.) for the Contract (with Bank Guarantee)** 6) **45% + applicable taxes against Factory Acceptance Test, approval of Delivery Readiness Review and Despatch of DNB Vessel on FOB Indian Port basic as per Incoterms 2020** 7) 10% against Final Site Acceptance of DNB Vessel at On-site by ITER Organisation **8) At actual + applicable taxes against Payment of supervision charges**	No change in payment schedule as per tender

5	Section A(II) : Terms and Conditions of Contract	Table -3 Payment schedule for Part-B Contract (HNB3 vessel)	**We need to incur huge amount for procurement of raw material and hence, Point No. 5 & 6 to be revised as follows -** 1) 5% Contract value as Advance with Contract Award (against irrevocable bank guarantee) 2) 5% against Approval of all Manufacturing drawings 3) 5% against Successful completion of Manufacturing Readiness Review (MRR) 4) 5% against Placement of PO for major Raw material (Plates, Pipes, Forgings etc.) **5) 25% against receipt and acceptance of entire quantity of major Raw material (Plates, Pipes, Forgings etc.) for the Contract (with Bank Guarantee)** **6) 45% + applicable taxes against Factory Acceptance Test, approval of Delivery Readiness Review and Despatch of HNB3 Vessel on FOB Indian Port basic as per Incoterms 2020** 7) 10% against Final Site Acceptance of HNB3 Vessel at On-site by ITER Organisation **8) At actual + applicable taxes against Payment of supervision charges**	No change in payment schedule as per tender
6	Section A(II) : Terms and Conditions of Contract	1.7.4.2 Delivery and Payment Schedule	Request to check and confirm positioning of breakbulk cargo (non-containerized) required for shipment of DNB & HNB3 Vessels at Nhava Sheva port	In the upcoming Tender Amendment-2 Nhava Sheva port has been removed and Goa port added

7	SECTION-C: Price Bid Format	Table-2: Individual Break-up	Delivery on FOB Indian Port as per INCOTERMS 2020 basis 1) It is assumed that ITER India will arrange suitable Crane and lifting of consignment from Trailer to Ship at port. 2) In case the consignment is held up at port due to delay of Ship and related facilities (arranged by ITER India), then ITER shall arrange to pay charges for trailer detention, port penalties, any other port / administrative charges.	1) Unloading from trailer, loading the consignment on vessel/ship is under scope of Contractor 2) In case of delay of ship attributed to ITER-India, applicable charges to be paid will be mutually agreed (Refer upcoming Tender Amendment-2, clause no. 1.7.2.2)
8	SECTION-C: Price Bid Format	Table-1 Total Price and Table-2: Individual Break-up (Sr. no. 4 & 5)	Kindly confirm whether the total price to be quoted at Table 1 & Table 2 shall be exclusive of GST or inclusive of GST on supply and supervision charges.	Refer tender clause no. 1.7.3.1 of Section-A(II)
9	Section A(II) : Terms and Conditions of Contract	1.11 Delivery Basis	As per the clause "The items shall be delivered to the Purchaser on FOB Indian port basis (All the documents for export like Invoice, packing list, GR Waiver (as applicable) required for Customs clearance will be provided by the Purchaser, however Customs clearance shall be undertaken by the Contractor) as per Incoterms 2020." Please confirm the following: 1) Who will be the exporter in shipping bill? 2) Can supplier be the exporter or third party in the shipping bill? 3) Can supplier avail export benefits?	1) Exporter in shipping bill will be ITER-India, IPR 2) Supplier will not be exporter or third party in the shipping bill 3) Supplier can not avail export benefits
10	Section A-(II): Terms and conditions of contract	1.7.3.4 Taxes and Duties	It is mentioned that "Contractor shall not charge GST against submission of exemption or waiver or charge concessional rate (5%) against submission of certificate under below mentioned notifications by the Purchaser".	As per GST Act, contract between purchaser and contractor being domestic supply contract, GST would be levied at applicable rate.

			Please clarify why GST is applicable at all as items are being exported?	
11	Section C: Price bid format	Table 2 S. No. 5	It is mentioned in the bid document that Bidder has to furnish weekly supervision charges for Final/Site Acceptance Test at ITER Site, France for 8 weeks. Please clarify the scope of work under above mentioned supervision and what facilities will be provided to supplier's engineers at site by ITER India/France?	Refer upcoming Tender Amendment-2 (Price bid format)
12	Section C: Price bid format	Table 2 S. No. 5 and Note 3	It is mentioned that Payment of supervision charges shall be made on actual utilization of supervision activity. Also supervision charges need to be furnished per week basis. Please clarify what will be the methodology to raise the invoice in case supervision period is only a part of week (not a full week).	Refer upcoming Tender Amendment-2 (Price bid format)
13	Section A-(II): Terms and conditions of contract	Annexure-2 Bank Guarantee (Advance Payment)	As per the tender advance payment guarantees (cumulative amount of different advance BGs are 25% of the contract) need to be submitted by the supplier. As per APG format S.No.10 different advance guarantees shall remain in force until two months beyond the delivery of last consignment. If part shipment is permitted then please allow pro rata reduction of APGs adjusting the despatches. Also Please allow discharge of advance payment guarantees immediately after FOB supply of equipment as per standard commercial practice.	Tender clause no. 1.7.4.2.4 of Section-A(II) for validity of APBG remains unchanged

14	Section A(II) : Terms and Conditions of Contract	1.20.1.2 (Warranty)	It is mentioned that "The Contractor shall provide a minimum warranty (for DNB Vessel) covering repair or replacement of Items up to 24 months from the final/site acceptance at On-site. The Contractor shall provide a minimum warranty (for HNB3 Vessel) covering repair or replacement of Items up to 24 months from the final/site acceptance at On-site." As supplier is responsible for FOB delivery of equipment and site activities for final/site acceptance test at site are not in the scope/control of supplier, therefore, warranty should be linked from the FOB delivery date of each equipment.	Warranty clause as per 1.20.1.2 of Section-A(II) remains unchanged
15	Section A-(II): Terms and conditions of contract	1.6.1 (Security Deposit)	It is mentioned that The Bank Guarantee shall remain valid till the expiry of (60) sixty days from the date of Final site acceptance of delivered Items under this Contract. As supplier is responsible for FOB delivery of equipment and site activities for final/site acceptance test at site are not in the scope/control of supplier, therefore, validity period of BG against security deposit should be linked from the FOB delivery date of equipment.	SDBG validity remains unchanged as per tender
16	Section A-(II): Terms and conditions of contract	1.6.3 (Bank Charges)	It is mentioned that all bank charges of bank guarantees shall be borne by the Contractor only. Please confirm who will bear the charges of BG extension if delay is attributable to ITER India?	Contractor shall carry out Bank guarantee extension as per Purchaser's request without dispute. Applicable BG charges will be reimbursed by the Purchaser as part of full and final settlement, if delay is attributed to the Purchaser (Refer upcoming Tender Amendment-

				2, clause no. 1.6.3)
17	Section A-(II): Terms and conditions of contract	Table 2 & 3- Payment Schedule S. No. 7	It is mentioned that 10% payment will be made after Final site acceptance of DNB Vessel & HNB3 Vessel at On-site by ITER Organization. As supplier's scope is supply of material on FOB basis. Please clarify how the timely payment will be ensured when the supplies are on time and final site acceptance is delayed by ITER India / ITER Organisation?	Refer note provided below the payment Table-3 of Section-A(II) for release of payment against final site acceptance, if delayed
18	SECTION-A (I): Essential Eligibility Criteria, Instructions to Bidders, Tender conditions and Bid Submission format	2.9.b Tender Fee & EMD	It is mentioned that "Bidder shall submit a tender fee of INR 1180.00 (Indian Rupees Five Hundred Ninety only) inclusive of applicable GST" There is a mismatch in amount in number and words. Please confirm the tender fee which is need to be submitted.	Refer Corrigendum-1 for no tender fees is applicable
19	SECTION-A(I) - 2 Instructions to Bidders and Tender conditions	2.2	"However, any variation in the scope of supply and / or scope of work to meet the intent of this specification and to be in line with good engineering practice and manufacturing feasibility during execution of Contract shall not be subject to price variation." We propose any variation in the final Contract that includes additional scope, if any, as mutually agreed between ITER-India and the successful bidder will be subject to price variation.	The clause remains unchanged. However, pl. refer "clause no. 1.22.2 - Changes originating from Purchaser" of Section-A(II), which is the relevant clause for any additional scope, if proposed by the Purchaser.

20	Section-A(II) - 1.5 Contract Work Scope	1.5.1.2	"Any tooling or accessories which may not be specifically mentioned in the Specifications but which are necessary for proper and efficient functioning of the systems as per the specifications of the tender shall be supplied by the Contractor without extra charge to the Purchaser, the systems supplied shall be complete in all respects." We propose any tooling and accessories which needs to be supplied by the contractor shall count as a deliverable and shall be charged to the purchaser.	The clause remains unchanged since tooling and accessories needs to be supplied as per tender requirements and based on manufacturing drawings approved by the Purchaser
21	Section-A(II)	1.8 FREE ISSUE MATERIALS	We propose Contractor shall take transit and storage insurance of FIM which shall be reimbursed at actuals by the purchaser.	Purchaser will provide FIM at Contractor's end as per tender. For storage Insurance, refer clause no. 1.8.1.2 of section-A(II), which remains unchanged (no reimbursement by the Purchaser)
22	Section-A(II)	1.18.2 Cargo Insurance till FOB Indian port as per INCOTERMS 2020:	We propose Contractor shall take necessary insurance for delivering equipment(s) from the contractor's premises to the port which shall be reimbursed at actuals by the purchaser.	Tender clause no. 1.18.2 of Section-A(II) remains unchanged (no reimbursement by the Purchaser).
23	CORRIGENDUM-1 DATED 10.02.2022	Section-A (II)	We propose the price variation shall be applicable to full contract value. The same is followed in all government contracts.	PV formula as per corrigendum remains unchanged.
24	Section-A(I)	Essential Eligibility Criteria (EEC)	Can we create consortium with other Indian companies and participate in the tender in order to qualify for EEC	EEC needs to be qualified by bidder as single Indian Company/Indian Industry. Refer text mentioned before table-1 of section -A (I) in this regard.

25	Section-A(I)	EEC & Instructions	We are registered with MSME (Udyog Aadhar) as Small Enterprise and thus eligible for exemption from Tender Fees and EMD. Kindly confirm	Tender fees not applicable as per tender amendment-1. EMD exemption for Micro and Small Enterprise as per Tender clause no. 2.9 (g) of Section-A(I)
26	Section-A(I)	Table-5	Bidder shall submit complete tender document (single copy) duly signed and stamped by their competent authority. Is it also required to submit soft copy of this tender document.	Soft copy of tender document duly signed and stamped is required
27			Table-5 - List of contents for envelope 1.2 - S. No. 1 Flash drive/DVD/CD Soft copy of section-A and section-B bid without price. We are clear about the soft copies of Section-A (i) and A(II). As regards of Section B, there are multiple sub-divisions a. Technical specifications and b. ITER specific documents. In a. Technical specifications, there are 15 annexures apart from Technical and Management Specification. We understand that soft copy of only this technical and management specification is to be signed and attached and the rest of the documents i.e. annexures and ITER specific documents need not be signed and attached. Kindly confirm	Soft copy of only technical and management specification is to be signed and attached. Rest annexures and ITER specific documents acceptance can be mentioned by the bidder in Annexure-A5 i.e. letter of acceptance

28			Table-5 - List of contents for envelope 1.2 S. no. 4 Provide signed and stamped letter of acceptance for tender as per section 4.5/Annexure-A5 of section-A(I) of the tender. Same document is repeated at S. No. 6. Will it not be sufficient if the document is submitted against any one of the above S. Nos.	Single Annexure-A5 will suffice for S. no. 4 and S. no. 6 of Table-5.
29	Section-A(I)	Table-5	Compliance report (Clause wise compliance matrix) is not clearly understood. We are submitting Annexure-I, all clauses duly filled with the required information a document.	Requirements for Table-5 of Section-A(I) shall be followed.
30	Section A-(II): Terms and conditions of contract	1.4.1 Permits, Licenses or Approvals	What Permits, approvals and licenses will need to be taken in France by the supplier to perform supervisory services. What documents are required for these permits. Pl clarify.	As the bidder's role is limited to participation in the site acceptance, the normal permits for the entry to the IO premises would be required. ITER-India shall provide guidance related to the same at the time of execution.
31	Section A-(II): Terms and conditions of contract	General	What tests will be performed for Final Site Acceptance. What will be the role & scope of work of supplier's engineer deputed to site for supervision.	Refer Annexure 2 for the details of the site acceptance tests to be performed and the role of bidder's representative.
32	Section A-(II): Terms and conditions of contract	1.5.1.3 Scope of Work, Scope of Supply and Specifications:	"ITER-India reserves the right to increase or decrease the quantities of work or to totally omit any items of work and the Contractor shall not be entitled to claim any extra for damages and/or loss of profit on these grounds." Prices will be submitted based on ordering of certain quantity, therefore, omission of items during execution	Tender clause as referred here remains unchanged

			stage will affect price estimations. Purchaser should not decrease an ordered quantity during execution.	
33	Section A-(II): Terms and conditions of contract	1.6 Bank Guarantees	Security deposit BGs will be valid till expiry of 60 days from the date of final site acceptance. PBGs will be effective from the date of final site acceptance. Therefore for 2 months both security BG and PBG will overlap, which is not correct. Therefore, on issuance of PBG Security BG should be relieved immediately.	SDBG will be released on receipt of error free PBG
34	Section A-(II): Terms and conditions of contract	1.11.3 Delivery Documents	The Contractor shall forward in advance to the Purchaser, by rapid Courier Service , following documents in triplicate as detailed hereunder: a. Original GST Invoice in triplicate b. Delivery Challan in triplicate c. Packing list d. Contractor Release Note e. Insurance Proof as per FOB Indian Port Incoterms 2020 basis f. Any other document(s) required by prevailing legislation We understand that payment will be made on dispatch from factory as BL is not the part of delivery documents.	BL is part of document required for release of payment. Refer Corrigendum-3 and tender amendment II in this regard
35	Annexure-2: QA, QC, Inspection and testing	6. Delivery acceptance after transportation to IO	"TRANSPORTATION OF THE DNB VESSEL AND HNB3 VESSEL from supplier's premises to the ITER site is NOT in the scope of bidder. This will be taken care by ITER-India through separate contract under the Global Transportation Program with IO" We understand that supplier's scope is upto FOB-Indian port. Please correct.	Refer response against query no. 7 (Table-2)

36	Annexure-2: QA, QC, Inspection and testing	1.7.4.1 Mode of Payment	As per tender "Payment shall be made through RTGS/NEFT in INR within 30 days from the date of acceptance against each payment milestone" ITER is requested to establish a confirmed and irrevocable Letter of Credit in favour of supplier providing for payment at sight for all payments other than 1st 5% advance with contract award.	Mode of payment as per tender remains unchanged.