



# मंगलूर रिफाइनरी एण्ड पेट्रोकेमिकल्स लिमिटेड

MANGALORE REFINERY & PETROCHEMICALS LTD.  
(ऑयल एण्ड नेचुरल गैस कॉर्पोरेशन लिमिटेड की सहायक कंपनी )  
(A Subsidiary of Oil and Natural Gas Corporation Ltd.)

## **Addendum 02**

**To**

**MRPL Tender No. 3700004615 dated 07.02.2023**

**Tender for Tender for Consultancy Services for setting up 2G Bio ethanol Plant at Harihar Karnataka.**

**With reference to the above tender, bidders are requested to note the following:**

The items, conditions, specification and stipulations of the Bidding Documents and modified to the extent indicated in

- i) Annexure -I – Commercial Addendum.
- ii) Annexure -II – Reply to pre bid queries

The implications of the same, elsewhere in the tender shall be taken care of appropriately by the bidders. All other terms and conditions, stipulations and specifications of tender shall remain unaltered.

### **Note:**

Bidders shall submit copy of these documents along with the technical–commercial bid, **duly signed and stamped**, as a token of having read and understood the same.

**Addendum 02 – Annexure-I: Commercial Addendum**

<b>SI No.</b>	<b>Section No./Clause No.</b>	<b>Addition/ Deletion/ Modification</b>
1)	<b>NOTICE INVITING TENDER (NIT) / Bid Closing date / Time</b>	Extended Bid Closing date is <b>22.03.2023 @15.00 Hrs (IST)</b>
2)	<b>NOTICE INVITING TENDER (NIT) / Date / Time of Technical Bid Opening</b>	Extended Technical Bid Opening date is <b>22.03.2023 @15.30 Hrs (IST)</b>

**Annexure -II: Reply to Pre-bid Queries (Pre-bid Meeting held on 21.02.2023)**

MRPL Tender No. 3700004615 dated 07.02.2023

CONSULTANCY SERVICES FOR SETTING UP 2G BIO ETHANOL PLANT AT HARIHAR, KARNATAKA

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
	SI	PAGE NO.			
1	21-23 of 312	Cl. No. 12.0	(PRICE / SCHEDULE OF RATES (SOR) / BILL OF QUANTITIES)	Bidder requests Quoted Price shall be escalated on mutual agreement basis for delay in completion of services due to reasons not solely attributable to consultant.	Please follow the tender conditions. The prices shall be firm till the execution of the project. Refer preamble to Price bid.
2	96 of 312		Article No. 15.1 I (SUSPENSION, CANCELLATION, TERMINATION & RISK PURCHASE)	Bidder request to modify the clause as follows: Subject to the provisions of this contract, the consultant shall, if ordered by giving not less than fourteen days written notice by the Engineer-In-Charge/OWNER or his representative, temporarily suspend the works or any part thereof for such written order, proceed with the work therein ordered to be suspended until, he shall have received a written order to proceed therewith. Consultant shall use every reasonable efforts to Recommence Work with the least possible delay within fourteen days upon receipt of OWNER's notice to resume. The consultant shall not be entitled to claim compensation for any loss or damage sustained by him by reason of temporary suspension of the works aforesaid <b>except idling charges</b> . An extension of time for completion, corresponding with the delay caused by any such suspension of the works as aforesaid will be granted to the consultant should he apply for the same provided that the suspension was not consequent to any default or failure on the part of the Consultant.	Please follow Tender conditions
3	103 of 312		Article No. 23.1.1 (Limitation of Liability)	Bidder request to delete point (c) & (e) of the referred clause.	Please follow the tender conditions
4	103 of 312 & 228 of 312	Cl. 2.0	Article No. 23.1.1 (Limitation of Liability) & (Limitation of Liability)	Bidder understands that the overall limit of Consultant's liability under this Contract for all guarantees, warranties, liquidated damages, PRS, Penalties of whatsoever nature, whether expressed or implied shall be limited to Twenty percent (20%) <b>of the executed portion of the total contract value.</b> MRPL to Confirm.	<b>Limitation of Liability clause mentioned on page No, 228 of 312 is modified to : The overall limit of Consultant's liability under this Contract for all guarantees, warranties, liquidated damages, PRS, Penalties of whatsoever nature, whether expressed or implied shall be limited to Twenty percent (20%) of the total contract value.</b>

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
5		New Clause 24.3	Article No. 24 (Miscellaneous)	Bidder request to add the new clause as follows: "OWNER undertakes to hold CONSULTANT harmless and indemnified from any claim, action, demand, or any proceeding whatsoever invoked by vendor(s), contractor(s), bidder(s), or prospective bidder(s) of Owner against Consultant arising out of or in relation to or consequent upon this Contract or engagement of such vendor(s) or contractor(s), bidder(s), or prospective bidder(s) and shall reimburse for all costs (including legal and incidental costs such as travel as well as man-hour costs), charges and expenses incurred by Consultant in defending or settling any suit, writ or other action or proceedings by any such third party [including vendor(s), contractor(s), bidder(s), or prospective bidder(s)] of Owner, in which Consultant has been made or impleaded as a party/ Defendant/ or Respondent and/or for prosecuting any appeal, revision, or review in respect thereof, whether the claim, suit, writ or other action or proceedings is based on contract, quasi contract, tort of any other basis or breach of law."	<b>Bidder requested additional new clause in not acceptable.</b>
6	228 of 312	Cl. No. 2.0	(Penalties)	Bidder request to delete the referred clause.	<b>Penalty clause mentioned under 2.0 (a) of Exhibit 4 withstand deleted from tender conditions. Accordingly Notes: (for Penalty clauses) Sl No. iii is modified that Total of above penalties shall not exceed 2% of the contract value. Other clauses mentioned on Exhibit 4 remain unchanged.</b>
7	230 of 312	Cl. No. 4	(Exclusions from CONSULTANT's Scope)	Bidder request to modify the referred clause as follows: "Subjected to the Conditions of Contract, any legal suit or arbitration proceeding shall be defended by OWNER and Consultant shall provide only technical assistance with respect to CONSULTANT deliverables up to two years after Mechanical Completion. Beyond that period on mutually agreed terms and Bidder request to modify the referred clause as follows:  " Whenever any claim against the CONSULTANT for payment of a sum of money arises out or under the contract, the OWNER shall be entitled to recover such sums from any sum then due or which at any time thereafter may become due from the CONSULTANT under this or any other contract with the OWNER and should this sum be not sufficient to cover the recoverable amount the Vendor shall pay to the OWNER on demand the balance remaining due."	Please follow the tender conditions
8	250 of 312	Cl. No. 23.1	(Recovery of Sums Due)	Bidder request to modify the referred clause as follows: " Whenever any claim against the CONSULTANT for payment of a sum of money arises out or under the contract, the OWNER shall be entitled to recover such sums from any sum then due or which at any time thereafter may become due from the CONSULTANT <b>under this or any other contract with the OWNER and should</b> this sum be not sufficient to cover the recoverable amount the Vendor shall pay to the OWNER on demand the balance remaining due."	Please follow the tender conditions

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
9	257 of 312	Cl. No. 37.0	(Risk Purchase Clause)	Bidder request to modify the referred clause as follows: “ In the event of CONSULTANT not accepting / not meeting the indent / order / contract placed by the OWNER with in the stipulated time, then OWNER would be free to use the services of any others and recover the difference in such services <del>and additional expenses</del> incurred by the OWNER from the CONSULTANT.”	Please follow the tender conditions
10	263 of 312	Cl. No. 46.1.12	(Statutory Variations)	Bidder request to modify the second para of referred clause as follows: “Any Increase in GST after the contractual completion period (including extended Completion period by OWNER due to reason not solely attributable to <del>OWNER</del> CONSULTANT) shall be to <del>CONSULTANT's</del> OWNER's account, however, any decrease shall be passed on”.	<b>Clause No. 46.1.12 is modified to:</b> 46.1.12. (i) No variation on account of taxes / duties / cess / levies / fees / charges etc., statutory or otherwise, shall be payable by MRPL to Bidder except for GST. However, any statutory variation for GST shall be payable up to date of completion or approved extended date against documentary evidence. 46.1.12. (ii) Any increase in the rates of GST beyond the CDD [contractual delivery date or approved extended date] will be borne by MRPL to the extent of Input Tax Credit available to MRPL and MRPL is in a position to get/avail the Input Tax Credit from the GST authorities. 46.1.12. (iii) Any reduction in Taxes / duties / cess / levies / fees / charges etc. shall be passed on to MRPL. 46.1.12. (iv) Any variation in GST at the time of supplies for any reasons, other than statutory, including variations due to turnover, shall be borne by bidder and shall be deemed to have been included in the quoted price
11			Labor Law provisions in GCC	Since CONSULTANT is not deploying labours under this assignment. Hence clauses pertaining to Labour law provisions will not be applicable for CONSULTANT. Please Confirm.	Please follow the tender conditions
12	297 of 312	Cl. No. 1.5	Remuneration	Bidder requests to modify the referred clause as follows: “Prices quoted by the bidder shall remain firm and fixed and valid until completion of the all the services as per the contract. However, if the Mechanical Completion of the PROJECT extends beyond scheduled Mechanical Completion, CONSULTANT shall not be entitled for compensation for scope of services as per tender for the extended period for the reasons solely attributable to CONSULTANT. For the delay in Mechanical Completion, the penalty is applicable as per the EXHIBIT-4, PRICE REDUCTION SCHEDULE for the reasons solely attributable to CONSULTANT.”	Please follow the tender conditions

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
13	297 of 312	Cl. No. 1.7 b	Remuneration	<p>Bidder request to modify the clause as follows:</p> <p>Consultant's per diem charges shall be payable for all days starting from the day of arrival at the destination city and shall terminate with the day of departure there from the city of the visit our personnel leaves Home / Office till the date of return (Both days inclusive) in case of working out of home / office.</p>	Please follow the tender conditions
14	297 of 312	Cl. No. 1.7 c	Remuneration	<p>Bidder request to modify the clause as follows:</p> <p>The per diem rates shall be inclusive exclusive of travel costs in India or abroad and its associated expenses such as lodging, boarding, living allowance all local transport, visa / work permit and medical insurance.</p>	Please follow the tender conditions
15	298 of 312	Cl. No. 2.0	Terms of Payment	<p>Bidder request to modify the terms of payment as follows:</p> <p>a. 5% - After Kick-off Meeting  b. 85% - Based on progress and mutually agreed Detailed billing breakup, for Engineering, Procurement and Construction activities of the Project.  c. 5% - On issue of Mechanical Completion certificate by EIC.  d. 3% - On issue of Commissioning certificate.  e. 2% - On Submission of final documentation &amp; acceptance certificate by OWNER</p>	Please follow the tender conditions
16	4 of 312	Clause No 3.0	Clause No 3.0 /4 of 312	<p>Bidders understands that the Scope of work mentioned in the tender document is final and any additional facilities other than the ITB Requirement shall be considered as an additional effort</p>	Please follow the tender conditions
17	108 of 312		Page No 108 of 312	<p>Bidder understands that the scope pertaining to Product logistics and Truck Parking facilities is limited to Truck Loading/Unloading Facilities (including the Truck Gantry).  Owner to confirm the understanding</p>	Please refer to the scope of Work in tender document
18	108 of 312		Page No 108 of 312	<p>Owner to kindly clarify the scope pertaining to Ethanol Loading/Unloading Facilities.</p>	Please refer to the scope of Work in tender document
19	112 of 312		Para 1 Page No 112 of 312	<p>Owner to kindly clarify the scope pertaining to Safety studies for this Project. Bidder understands that only HAZOP is required for the Project.  Owner to kindly clarify</p>	Please refer to the scope of Work in tender document

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
20	114 of 312		Para 2 Page No 114 of 312	Owner to kindly clarify the scope pertaining to Value Engineering. Bidder understands that the Design and Engineering of the Project shall be governed by BEDB Part-B and EDBs	CONSULTANT should thoroughly review the Engineering Design Basis-B and Package provided by OWNER and carry out Value Engineering for the same. The overall objective of the Value Engineering exercise is to optimise on the overall Project cost with compliance to applicable Safety standards and ensuring quality of the products. CONSULTANT should review the Standards and Technical Specifications considered in the Design Basis B document and Tender document and propose necessary modifications/changes in the Engineering Design Basis B and technical specification in tender document after value Engineering to Owner. Upon obtaining OWNERS approval the same will be considered by the LSTK/EPCM contractors for carrying out the Engineering of various packages and HAZOP & HAZAN studies as per requirements.
21				As there is no clarity of MOC for these Equipments, Owner is requested to share the Licensor BEDP	BEDP will be shared to the successful Bidder
22				Bidder understands that the Licensor BEDP Package shall be complete in every aspects and Detail Engineering shall be based on this. Bidder shall see its completeness and additional details as required shall be provided by the Owner. The Onus of the correctness of the Package shall remain with the Owner.	Please follow the tender conditions
23				Owner to provide the List of Proprietary Equipments along with the List of Recommended Vendor List.	Proprietary equipment list and recommended vendor list given the Licensor shall be provided to the successful bidder.
24				Updation and completeness of the various documents provided in the Licensor Process Package shall be based on the Design Basis and BEDB Part-B agreed between Bidder and the Owner.	Please refer to the scope of the tender document
25				Packages for which the Bidder doesn't have technical know-how shall be floated as Un-Engineered MR for which Vendor List shall be provided by the Owner.	As a consultant, Bidders are expected to have the technical know-how for all the packages of the Project. Please follow tender conditions
26	112 of 312		Page No 112 of 312 S. no (g)	Bidder understands that the Interface management for the Packages between the ISBL shall be under the scope of LSTK Contract.	Please follow Tender conditions
27	114 of 312;		Page No 114 of 312; Para 6	Owner to provide clarity w.r.t the Paragraph. Bidder understands that the Surge Analysis is not required as Pipeline is not considered as part of the Scope. Bidder understands the following 1. Only HAZOP and SIL is being considered as part of the Project scope 2. RRA shall be done by Owner and shall forward the recommendation for compliance	Please follow tender conditions

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
28	114 of 312		Page No 114 of 312; Para 6	Owner to kindly clarify the scope pertaining to Disaster Management Plan	The Consultant shall also make the Disaster Management Plan during the Operation of the Facilities for the Project
29	115 of 312		Page No 115 of 312; Para 7	Bidders understands that the Scope of work mentioned in the tender document is final and any additional facilities other than the ITB Requirement shall be considered as an additional effort	Please follow Tender conditions
30	115 of 312		Page No 115 of 312; Para 8	With respect to Hydraulic Guarantee, Bidder understands the following 1. The Hydraulic Guarantee of the Unit (ISBL) is by the LSTK Contractor 2. The Hydraulic Guarantee of the OSBL is by the Bidder	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
31	115 of 312	Clause No d	Page No 115 of 312; Clause No d	Bidder understands that the Assistance to Owner shall be provided till Defect Liability Period	Please follow the tender conditions. May please refer the page No. 132 clause No 49 and 50.
32	115 of 312	Clause No f	Page No 115 of 312; Clause No f	Since the Detail Engineering of the Unit shall be done by the LSTK Contractor and Utilities by the Package Contractor, the detailed costing shall be in tune to the accuracy of +/- 30%. Moreover, Bio-ethanol being newer technology involving specialized packages and associated facilities, +-5% may not be feasible. Further, No Native Files & Backups of cost estimate shall be shared with client.	Please follow the tender conditions
33	115 of 312	Clause No g	Page No 115 of 312; Clause No g	Material Reconciliation of the Unit shall be done by the LSTK Contractor and Utility Package shall be done by the Package Contractor	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
34	115 of 312	Clause No f	Page No 115 of 312; Clause No f	Review and approval of As-built drawings shall be done by LSTK Contractor and the Package Contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
35	115 of 312	Clause No a; b	Page No 115 of 312; Clause No a; b	Bidder understands the following w.r.t these clauses 1. Detail and Residual Engineering of the 2G Ethanol Plant inside the Battery Limit shall be done by the LSTK Contractor. Bidder shall only prepare FEED Package 2. Detail and Residual Engineering of the Utility Package inside the Battery Limit shall be done by the LSTK Contractor. Bidder shall only prepare FEED Package 3. Detail and Residual Engineering for the Off Sites shall be done by the Bidder	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
36	115 of 312	Clause No c	Page No 115 of 312; Clause No c	Bidder understands the following w.r.t these clauses 1. Procurement and Warehouse Management of the 2G Ethanol Plant inside the Battery Limit shall be done by the LSTK Contractor. 2. Procurement and Warehouse Management of the Utility Package inside the Battery Limit shall be done by the LSTK Contractor. 3. Procurement and Warehouse Management for the Off Sites shall be done by the Bidder	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
37	115 of 312;	Clause No d	Page No 115 of 312; Clause No d	Tree cutting and uprooting if required shall be by Owner. Owner shall provide encumbrance free land/Site for carrying Site grading activities.	Please follow the tender condition
38	115 of 312	Clause No e	Page No 115 of 312; Clause No e	The Location of disposal and taking the write off of Excess earth generated from Site Piling shall be informed by the Owner/EPC Contractor	Please follow the tender condition



SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
39	116 of 312	Clause No i	Page No 116 of 312; Clause No i	Bidder understands that the reconciliation and handing over of excess material to Owner shall be limited for Offsite only. For other areas, the reconciliation and handing over of excess material shall be in the scope of EPC Contractor and Package contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
40	116 of 312	Clause No v	Page No 116 of 312; Clause No v	Bidder understands the following w.r.t this clause 1. Pre-commissioning and Commissioning assistance; Start-up assistance in Hydraulic Guarantee for the ISBL Unit shall be in the scope of LSTK Contractor 2. Pre-commissioning and Commissioning; Start-up assistance in Hydraulic Guarantee for the Packages in U&O shall be in the scope of Package Contractor 3. Pre-commissioning and Commissioning; Start-up assistance in Hydraulic Guarantee for the OSBL Unit shall be in the scope of Bidder	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
41	117 of 312;	Clause No E	2.0 Consultant Scope of Work – PMC	Pre-commissioning and commissioning, Start-up and Assistance in Hydraulic guarantee test; PGTR for the 2G Ethanol Unit shall be in the scope of the LSTK Contractor	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
42	117 of 312;	Clause No A1 S. no 2	2.0 Consultant Scope of Work – PMC	Responsibility of Design integrity and completeness of detailed Engineering in all respects in the scope of the LSTK Contractor	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
43	117 of 312;	Clause No A1 S. no 3	2.0 Consultant Scope of Work – PMC	Bidder understands that the Project management, monitoring and control of this Project shall be in line with the Bidder established standard procedures and specifications	Please follow Tender conditions
44	Page No 117 of 312;	Clause No A1 S. no 8	2.0 Consultant Scope of Work – PMC	Residual engineering, ordering, procurement and construction management of the 2G Ethanol Project shall be in the scope of the LSTK Contractor	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
45	117 of 312;	Clause No A1 S. no 12	2.0 Consultant Scope of Work – PMC	Owner to clarify the scope involved w.r.t this clause. Bidder understands that the WBS referred here pertains to Cost of the Project. As this Project is being executed on an Hybrid Mode of EPCM and PMC mode; bidder understands the following: 1. Cost Status of the Unit and Package shall not be provided as both these shall be executed on EPC Mode. 2. Bidder shall provide the Cost Status Report for the OSBL part on Quarterly basis.	Please follow Tender conditions
46	119 of 312;	Clause No A3 S. no 13	2.0 Consultant Scope of Work – PMC	Owner to clarify the scope involved w.r.t this clause.	The scope is clearly mentioned in the tender document.
47	119 of 312;	Clause No A4 S. no 2	2.0 Consultant Scope of Work – PMC	Bidder cannot vet the DFR provided by the Owner as the basis of the DFR estimation is being done by other. The DFR Report shall be the baseline for Cost Monitoring by the Bidder.	Please follow the tender condition
48	120 of 312;	Clause No B1 S. no 1	2.0 Consultant Scope of Work – PMC	Bidder understands that the responsibility for Nodal Point coordination is between Licensor, LSTK Contractor and Package Contractor. Owner to confirm Bidder understanding.	Please follow Tender conditions

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
49	120 of 312;	Clause No B1 S. no 6	2.0 Consultant Scope of Work – PMC	As DEC of the 2G Ethanol Plant shall be in the scope of LSTK Contractor, Operating Manual, Precommissioning Procedures shall be prepared by the LSTK Contractor.	Please follow the tender conditions
50	Page No 120 of 312;	Clause No B2	2.0 Consultant Scope of Work – PMC	Bidder understands that the Content under this clause refers to the FEED Package for the 2G Ethanol Plant. Owner to kindly confirm the understanding.	Bidder to provide all the deliverables required for Standard FEED package but not limited to the list provided in the tender.
51	121 of 312;	Clause No B3.1 S.No 4	2.0 Consultant Scope of Work – PMC	Owner to clarify the scope pertaining to this Clause	The scope is clearly mentioned in the tender document.
52	121 of 312;	Clause No B3.1 S.No 9	2.0 Consultant Scope of Work – PMC	Bidder shall review only those As-Built drawings/documents submitted by EPC/Package Contractor that falls under Review Category. For other documents (documents retained for Information/Records); It shall be EPC/Package Contractor responsibility for ensuring compliance to this clause.	Please follow Tender conditions
53	121 of 312;	Clause No B3.2 S. No 3 and 4	2.0 Consultant Scope of Work – PMC	As Principal Owner of this Project, the prime responsibility for this lies with the Owner and hence the mentioned clause to be deleted.	Please follow tender conditions
54	121 of 312;	Clause No B3.3	2.0 Consultant Scope of Work – PMC	Structural Detail Engineering as well as Residual Engineering (including Fabrication Drawing) for the Unit as well as Packages shall be in the scope of EPC Contractor and Package Contractor respectively.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
55			General	Bidder assumes the following Buildings as part of the Scope 1. Control Room – 1 No 2. Substation – 1 No 3. Operator Cabin – 1 No 4. Weigh bridge Room -1 No 5. Truck Loading Gantry Security Gates – 1 No Owner to kindly confirm the scope of the work.	The list shall be finalized with the successful bidder
56	121 of 312;	Clause No B3.4 S.No 3	2.0 Consultant Scope of Work – PMC	For 2G Ethanol Unit, Thermal Design shall be in the scope of Licensor and validation of the Thermal Design shall be done by the EPC Contractor.  In case, Thermal Design is not done by the EPC Contractor/Licensor and needs to be done by the Bidder, then this shall be treated as an additional effort.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
57	124 of 312;	Clause No B3.6	2.0 Consultant Scope of Work – PMC	Detail Engineering as well as Residual Engineering for Instrumentation shall be in the scope of the EPC Contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
58	127 of 312;	Clause No B3.7	2.0 Consultant Scope of Work – PMC	Bidder understands that a New Substation has to be executed as part of this Project. Hence, no Electrical adequacy of system is envisaged. In case Power has to be tap off from an existing system, Owner has to provide scope clarity in order to assess the efforts required to complete this activity.	The project is greenfield project
59	127 of 312;	Clause No B3.8	2.0 Consultant Scope of Work – PMC	Procurement management for the 2G Ethanol Unit as well as Utility Package is in the scope of the LSTK Contractor and Package Contractor separately.	Scope of work were defined under PMC as well as EPCM.
60	128 of 312;	Clause No C3 and C4	2.0 Consultant Scope of Work – PMC	As the quantum of inspection and Expediting is not known, Bidder proposes to render the Inspection services on per-diem basis.	Please follow the tender conditions.

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
61	27 of 312;	Clause No.D1 S.No.12	2.0 Consultant Scope of Work – PMC	Bidder understands that Material reconciliation as well as assistance in SAP Codification shall be done by the LSTK and Package Contractor	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
62	127 of 312;	Clause No D1 S.No 13	2.0 Consultant Scope of Work – PMC	Compliance of Local Laws and Labor Laws shall be done by Client being the principal employer. This is as per the standard practice of execution of jobs in EPCM Mode by bidder. Statutory compliance such as PF, ESI, Insurance, Labour Cess etc. of contractors is by Owner.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
63	127 of 312;	Clause No D1 S.No 14	2.0 Consultant Scope of Work – PMC	Bidder understands that Inventory checking for the Main Plant and Packages is by the EPC and Package Contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
64	129 of 312;	Clause No D1 S.No 15	2.0 Consultant Scope of Work – PMC	Bidder understands that all necessary services and site inspection for rectification of defective works shall be done by the EPC Contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
65	127 of 312;	Clause No D1 S.No 16	2.0 Consultant Scope of Work – PMC	Surplus material to be returned to Owner by EPC contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
66	127 of 312;	Clause No D1 S.No 19	2.0 Consultant Scope of Work – PMC	Arranging services of vendor's specialists is by the EPC Contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
67	127 of 312;	Clause No D1 S.No 20	2.0 Consultant Scope of Work – PMC	Contractors for various related services to be arranged by EPC Contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
68	127 of 312;	Clause No D1 S.No 22	2.0 Consultant Scope of Work – PMC	Bidder understands that As Built drawings for the Units as well as the Package is by the EPC Contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
69	127 of 312;	Clause No D1 S.No 27	2.0 Consultant Scope of Work – PMC	Warehouse Management for Unit as well as Packages shall be done by the LSTK and Package Contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
70	134 of 312;	Clause No H	2.0 Consultant Scope of Work – PMC	Bidder requests Owner for the Office space for the Consultant along with Office Furniture, Computer and other peripherals required for the Office functioning	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
71	134 of 312;	Clause No H	2.0 Consultant Scope of Work – PMC	Bidder understands that the subject clause is applicable only to EPC, Package Contractor and Item Rate Contractor	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
72	225 of 312		Exhibit 3; Completion Schedule	Zero date for the Project shall be reckoned from the date of receipt of Licensor BDEP Package; duly accepted by Bidder after its reviews and amendments as required.	Please follow tender conditions.
73	252 of 312;	Clause No 26.0	Exhibit 8 Section IV	Bidder requests to withdraw these clauses as the same is not acceptable.	Please follow the Tender conditions
74	258 of 312;	Clause No 39.0	Exhibit 8 Section IV	Bidder requests to withdraw these clauses as the same is not acceptable and to be ensured by the EPC; Package and Works Contractor	Please follow the Tender conditions
75	271 of 312;	Clause No 58.0	Exhibit 8 Section IV	Bidder requests to withdraw these clauses as the same is not acceptable.	Please follow the Tender conditions
76	216 of 312	Clause No. 43.	Tender Document (Page no.216 of 312 )	TYPE SAFETY VIOLATIONS AND PENALTY SYSTEM: All the contractors working for MRPL shall strictly follow the safety norms as per the rules and regulations of MRPL. Contractors who violate safety norms while executing the jobs will be penalized financially. Bidder understands the clause is applicable to execution contractor's. Owner to confirm understanding.	Safety violations by any personnel will be subjected to penalization

SL NO.	BIDDING DOCUMENT	SUBJECT	Bidder's Query	Owner's Reply
77	224 of 312	MINIMUM KEY MANPOWER REQUIREMENT OF CONSULTANT [ANNEXURE – III TO SPECIAL CONDITIONS OF CONTRACT (Page no. 224 of 312) SITE DEPLOYMENT	Bidder would like to mention that minimum manpower required for Lead Discipline Engineer, QA/QC Engineer and Safety Officer for site deployment is on higher side and therefore we propose one number for above disciplines in the lead category.	Please follow tender conditions
78	224 of 312	MINIMUM KEY MANPOWER REQUIREMENT OF CONSULTANT [ANNEXURE – III TO SPECIAL CONDITIONS OF CONTRACT Note- 2 (Page no. 224 of 312)	Bidder request to modify the referred clause as follows:  The Key Construction Personnel identified above shall be well qualified & having adequate relevant experience as per service requirement and shall be on permanent rolls of the <b>company</b> Consultant or their Affiliates or their Empaneled agencies. Other manpower deployed by consultant shall also be qualified and experienced with their assigned work.	Please follow tender conditions
79	121 of 312	Exhibit 2 Clause 2.0 (B 3.1 General)	Bidder requests Client to provide the existing soil investigation report of proposed locations.	Provided as addendum 01
80		Geotechnical (Scope of work)	Bidder requests Client to provide Topographic survey report of proposed locations	Provided as addendum 01
81		Geotechnical (Scope of work)	Bidder requests Client to provide Tentative plot plan/showing a sketch of major facilities for entire Greenfield Project	Will be provided to the successful bidder
82		Geotechnical (Scope of work)	Tentative No. of Packages is to be considered.	Around 10-15 packages of Licensor scope. Utilities not considered in the same.
83	107 of 132	Section E Exhibit 1 (1.1 & 2.0)	Kindly specify the type & number of thermal oxidizer being envisaged for this project.  Bidder understand that the Boiler is a waste heat recovery type boiler at the downstream of thermal oxidizer. Please confirm. Also confirm number, capacity, steam parameters and type of these WHB.	Thermal oxidizer envisaged is a direct fired one with waste heat recovery boiler. There is no separate Boiler envisaged for steam production. Other types of T.O available also to be evaluated by bidder.
84	107 of 132	Section E Exhibit 1 (1.1 & 2.0)	As quoted under Facilities envisaged "Thermal Oxidizer and Boiler & Utilities – Steam Generation & Condensate."  Kindly clarify whether separate Steam generation from fuel fired boiler has to be considered apart from Thermal Oxidizer and Boiler (WHB).  If yes then please specify the parameters for the steam generation unit i.e. - Boiler type & Capacity - Steam Parameters. - Fuels for boiler	Please refer to reply to Q. no 83

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
85	page 107 of 132		Section E Exhibit 1 (1.1 & 2.0)	Kindly confirm Number & type of Turbines for Power generation, e.g: Single Extraction Condensing Type, Double Extraction Condensing type, etc.	To be finalized by the successful bidder
86	page 107 of 132		Section E Exhibit 1 (1.1 & 2.0)	Bidder understand that the ' Thermal Oxidizer and Boiler and power generation' shall be procured as a single package MR / Tender.	Will be finalized with successful bidder
87			General	Client is requested to provide the equipment list under consultant's scope of work.	Will be provided to the successful bidder.
88			EXHIBIT 1, 3.0 DESIGN BASIS	In the referenced clause it is mentioned that "ENGINEERING DESIGN BASIS FOR PROCESS Part-A / Part-B are enclosed as Annexure - 1". However, EDBs are not enclosed in the document. Please furnish the same.	Provided as addendum 01
89			General	It is understood that the scope of Rotary equipment shall be the following: <ul style="list-style-type: none"> <li>• Basic engineering review of Process datasheets and P&amp;IDs.</li> <li>• Preparation of Engineering design basis.</li> <li>• Preparation of Material Requisition.</li> <li>• Evaluation of Technical bids.</li> <li>• Preparation of Technical Evaluation report.</li> <li>• Preparation of Purchase Requisition.</li> <li>• Review of vendor's drawings and documents.</li> <li>• Resolution of site queries.</li> <li>• Preparation of Mechanical tender.</li> </ul> Please confirm the understanding (as above).	Please refer to the scope in the tender document
90		Clause no. B3.4	General	Clause no. B3.4 of tender document mentions the bidder scope as "Verification" of various deliverables/drawings. The word verification is construed to be "Preparation/Review/Approval". Please clarify.	This depends on the role played by the bidder as PMC/EPCM for various parts of the project.
91			General	Please clarify whether design/selection of the Rotating equipment will be governed by any API standard or any other std. like ISO:5199, ASME B73.1 etc. depending on the country of origin of the equipment.	Optimised design/selection of the rotating equipment will be considered based on the fluid quality and properties and input from licensor.

SL NO.	BIDDING DOCUMENT	SUBJECT	Bidder's Query	Owner's Reply
92		General	<p>1. It is understood that Owner shall provide probable Vendor list of various Process Package listed in Exhibit 2 of Scope of Services. such as Biomass Receiving and Storage, Ware house, Gasification - Feed Preparation and Drying System, Gasification - Bio Char handling, Gas Treatment and other process packages listed under LSTK section. As such these are no Vendor list available with EIL for these process packages. Further, it is understood that Bidder Qualification Criteria is not to be prepared as part of tender preparation of these packages. Please clarify.</p> <p>2. Please confirm that whether basic design requirement such as Licensor Technical specification of process packages with Guarantee parameters shall be provided along with Process Specification, Process Data Sheet, P&amp;ID and PFD as part of tender preparation of Process Packages.</p> <p>3. It is understood that Biomass shall be received in briquettes and shall be unloaded to warehouse via crane. However it is not clear how wet biomass shall be received at site and how same shall be stored. Please clarify.</p> <p>4. It is understood that Licensor basic engineering document for tender preparation shall provide material handling scheme and tentative layout along with different equipment required as part of the scheme for Biomass Receiving and Storage Package. Please clarify.</p> <p>5. Please clarify whether Vendor list of individual equipment inside the Process Package shall be as per EIL Vendor list or same shall be as per Vendor standard.</p> <p>6. It is understood that Product Loading facility refer to Loading Arm Gantry for handling Ethanol and other product. Please confirm.</p> <p>7. Please clarify whether any facility are required for Solid waste handling within the Plant.</p> <p>8. It is understood that Chilled water is required as part of Utility. Please confirm whether Chilled water unit shall be envisaged as Utility generation unit using LP steam.</p> <p>9. Please clarify whether N2 package shall be Cryogenic N2 Package or PSA type.</p>	<p>1. Vendor list and licensor recommended package list available with the owner will be provided to the successful bidder.</p> <p>2. These will be shared to the successful bidder.</p> <p>3. Biomass is made available in form suitable for gasification not in briquettes form. The same shall be received through trucks at plant storage are and will be stacked. The wet biomass which consists of moisture up to 30% will be sent drying gasifier.</p> <p>4. The DFR prepared by the consultant has considered a preliminary scheme and layout for handling Biomass. However the same shall be reviewed, modified and vetted by the bidder.</p> <p>5. To be finalized with the successful bidder</p> <p>6. The product loading facilities considers all that is required to facilitate the Ethanol loading and unloading to trucks through a Gantry system.</p> <p>7. Yes as per the requirement</p> <p>8. To be finalized.</p> <p>9. Present consideration is through a PSA system. Pure Nitrogen requirement for process shall be supplied through cylinders.</p>
93		General	<p>It is understood that the scope of Rotary equipment shall be the following:</p> <ul style="list-style-type: none"> <li>• Basic engineering review of Process datasheets and P&amp;IDs.</li> <li>• Preparation of Engineering design basis.</li> <li>• Preparation of Material Requisition.</li> <li>• Evaluation of Technical bids.</li> <li>• Preparation of Technical Evaluation report.</li> <li>• Preparation of Purchase Requisition.</li> <li>• Review of vendor's drawings and documents.</li> <li>• Resolution of site queries.</li> <li>• Preparation of Mechanical tender.</li> </ul> <p>Please confirm the understanding (as above).</p>	Please refer to the scope of the tender document
94		General	<p>Bidder requests Client to clarify whether Conceptual Equipment layout will be provided with the BDEP for this project.</p>	Will be provided to the successful bidder

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
95			General	Bidder requests Client to clarify whether basic Piping Material Specification will be provided with the BDEP for this project.	Specifications provided by the Licensor for process units in the BEDP shall be provided to the successful bidder
96			General	Bidder requests Client to clarify whether licensor will provide any standard/specification for engineering/ procurement/ fabrication purpose for this project.	BEDP shall be provided to the successful bidder
97			General	Bidder requests Client to clarify whether Single Piping material specification to be used for both LSTK-unit & EPCM-offsite part.	Will be finalized with the successful bidder
98			General	Bidder requests Client to clarify whether any specific preference is applicable for 3D modeling platform to be used for the unit & offsite part.	Will be finalized with the successful bidder
99			General	Bidder requests Client to share the Equipment List for the unit.	Will be provided to the successful bidder
100			General	Bidder requests Client to share the Intermediate & Product Storage tank list to be located in the offsite.	Will be provided to the successful bidder
101			General	Bidder requests Client to intimate whether DAY Tank to be located in the unit or offsite area.	Please refer to the scope of tender document
102			General	Bidder requests Client to intimate the services for which the loading/unloading facilities needs to be developed for this project.	Product loading and unloading of Ethanol. Unloading facilities for chemicals. Any other which is identified during Engineering.
103			General	Bidder requests Client to intimate the no. of BAYS for the loading/unloading facilities to be developed for this project	This is covered in the DFR . DFR will be provided to the successful bidder
104			General	Bidder requests Client to clarify which statutory requirements to be followed for the Project.	All the statutory requirements that requires to be followed.
105			General	Bidder requests Client to share the Overall Plot Plan of the Project showing the available area/facilities.	Will be provided to the successful bidder
106	111 of 312	3	General	Bidder requests Client to share the document no ED-PRS-BED-001	Provided as addendum 01.
107	107 &108 of 312	2	General	Bidder requests Client to identify/demarcate clearly, the list of facilities which will be part of unit (LSTK mode) and offsite(EPCM mode).	Please refer to the scope mentioned in the tender document
108			General	Bidder understands that cold flare system is envisaged,i.e: GAS SCRUBBER for the project. Client to confirm.	There is no cold flare system envisaged
109			General	Bidder requests Client to clarify that whether GAS SCRUBBER system is part of unit or offsite.	Please refer to the scope of tender document
110			General	Bidder requests Client to clarify that apart from the GAS SCRUBBER system whether any other GAS discharge system needs to be envisaged for the Project.	Please refer to block diagram in the tender
111			General	Bidder requests Client to clarify that whether CIP area is part of Fermentation.	Please refer to the scope in the tender document
112	108 of 312	2		Refer the Term "Enzymatic Route" provided in the Tender. Client is requested to provide details of the same.	The distillation portion of the technology considered for this project may be compared to the distillation section in Enzymatic route technology.
113				Client is requested to share the details of the RAW Water import facility.	Will be provided to the successful bidder

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
114				Inhouse Softwares shall be used for MR/MTO/Procurement,Tender & Progress Control Purpose etc. Client to confirm.	All the Tenders to be floated on E procurement mode only. Currently MRPL has third party contracts for floating e tenders, same can be extended to consultant on chargeable basis by the third party service provider. All charges are to be born by consultant of the third party service providers. For other purposes inhouse softwares can be used.
115				Bidder requests Client to clarify that whether common procurement strategy is to be adopted for the entire project or it may vary.	Procurement strategy to be as per scope of work of PMC and EPCM Jobs
116				Bidder requests Client to clarify that whether SAP codification shall be applicable for this project.	Yes applicable
117				Bidder understands that No Dismantling Works has been envisaged in the Bidder's scope.Client to confirm.	The project site is a open field
118				Bidder understands that Tie in / Hook up Works has not been envisaged in the Bidder's scope.Client to confirm.	The project is a green field project
119	138 of 312	B3.1.5		Bidder understands that as built drawing to be generated for the EPCM part only. Client to confirm.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
120	139 of 312	B3.5.5		Bidder understands that for offsite part, only GAD to be issued at bidder end. Isometric drawing shall not be required for execution. Client to confirm.	Please follow tender conditions
121	139 of 312	B3.5.8		CAESAR software to be used for stress analysis purpose. Client to confirm.	Will be finalized with the successful bidder
122				Bidder understands that Hydrotest Pressure calculation for unit part shall be LSTK contractor's responsibility. Bidder will provide for the offsite part only. Client to confirm.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
123				Bidder requests Client to clarify which underground systems need to be envisaged for the Project.	As per the agreed philosophy with the successful bidder
124				Bidder requests Client provide Conceptual Equipment layout for this project.	Will be provided to the successful bidder
125				Bidder requests Client to share the Overall Plot Plan of the Project showing the available area/facilities and routing of offsite utilities. It shall also show the new facilities required to be developed for Truck loading and unloading, Water Intake, Raw Water Treatment & storage, Fire water storage including pump houses	Will be provided to the successful bidder
126	113 of 312			Client to clarify which non-plant buildings are included in EPCM scope e.g., substation etc. as the same is not explicitly mentioned in the table	Will be finalized with the successful bidder
127				Bidder understands that No Dismantling Works has been envisaged in the Bidder's scope. Client to confirm.	The project is area is open field.
128			CONSULTANT'S SCOPE OF WORK	Owner is requested to provide equipment list of Heat Transfer Equipments (Heat Exchangers, Air Coolers, Fired Heaters & Fired Packages etc) for the assessment of efforts.	Will be provided to the successful bidder
129	125	B3.6/5		For Licensed units, sizing for control valve, safety valve and Type of Control valve, Shutdown Valves/ Safety valve & Flow instrument type to be covered as part of Process package by Licensor. Owner to confirm.	Please follow the tender conditions
130	126	B3.6/30		New Control room will be part of LSTK Package or part of EPCM. Owner to confirm.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.



SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
131	125	B3.6/2		Interlock description and Logic Description for Licensed unit shall be Provided by Licensor as part of Process Package. Owner to confirm.	Licensor scope of work is provided as addendum 01
132	127	B3.8/C1/4		For Licensed units, recommended vendor list for critical / special instruments like analyzer, Critical control valves, special Instruments shall be provided by the Licensor.	Licensor provided list will be shared to the successful bidder
133	126	B3.6/21		Package PLC Philosophy shall be as part of Process package by Licensor. Owner to confirm.	Licensor BEDP package shall be provided to the successful Bidder. Consultant/PMC's scope shall be to ensure seamless integration of all applicable control system with main plant DCS and to ensure required data are available for the process operator. As part of the same, the consultant shall coordinate with all concerned package suppliers and DCS vendor to establish & test the communication.
134	120	B2/I		Process Data sheet for Instruments for Licensor Package shall be as part of Process Package by Licensor. Owner to confirm.	Licensor scope of work is provided as addendum 01
135	140	B3.7/G		Owner to confirm whether wireless instrument to be used.	Will be finalized with the successful bidder
136	126	B3.6/30		Owner to confirm whether Common control system is envisaged for the entire plant under this tender.	YES
137	312	B3.6/3		Procurement of Common control system is under PMC scope whereas or EPCM contractor scope. Please clarify.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
138	1 of 312			Please clarify unit wise mode of execution whether EPCM / LSTK. The mode of execution to be elucidate, since efforts required of LSTK & EPCM mode are different	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
139				Equipment list is not available in the given tender documents. Same shall be furnished for ascertaining the quantum of work.	It will be provided to the successful bidder
140	117 of 312	2 sub clause C	Consultant scope of work-PMC	Review of PR's (Purchase Requisition) shall be limited to review of the scope of work and PR specifications made by LSTK contractors for their purchase. Data Sheets/ engineering drawings that are part of PR shall be reviewed separately as per DCI/VDR finalized between PMC and LSTK contractor.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
141	123 of 312	B3.4 sr.no 6	Consultant scope of work-PMC	The clause says "Verification of tender specifications and technical evaluation". This activity is done by LSTK contractors themselves.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
142	123 of 312	B3.4 sr.no 8	Consultant scope of work-PMC	It is mentioned as "Verification of foundation load data for new equipment". The term new equipment is not clear here. Are there any existing equipment also? Further This activity is done by LSTK contractors themselves.	The project site is a open field
143	139 of 312	Clause B3.4	Consultant scope of work-EPCM	This section is mentioned as deleted. Does this mean, the scope for static equipment under EPCM is deleted? or being EPCM total scope pertaining to static equipment is in contractor scope as specified in clause B3.1 of General on page 138 of 312 ?	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
144	128 of 312		2.0 Consultant's scope of Work – PMC C.3. Inspection	1. Consultant shall undertake inspection of all indigenous equipment and materials to be procured by OWNER as per Purchase Order for the units being executed.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
145	142 of 312		3.0 Consultant's scope of Work – EPCM C.2. Inspection	2. All the post inspection activities at vendor works (Inspection by TPI- appointed by Vendor) and site inspection at execution site as per the approved inspection category is in the scope of the EPCM Consultant. 3. If Inspection of indigenous equipment and materials is required by EPCM consultant at Vendor place, same shall be at reimbursed extra on per diem basis as per LOA/PO. 4. Shall monitor stage wise inspection (as specified in QAP/ITP) of all indigenous equipment and materials at vendor workshop/place and prepare IRN, dispatch clearance notes etc.	Please refer to the scope of consultant with regard to PMC and EPCM services in the tender.
146			General Extension in Bid due date	Bidder Request MRPL to please provide us at least 15 days time for bid submission after receipt of reply to pre bid queries.	<b>BCD is extended upto 22.03.2023</b>
147	107		EXHIBIT 1 FACILITIES ENVISAGED	Please provide the Indicative preliminary equipment list (ISBL & OSBL)	Will be provided to the successful bidder
148	107		EXHIBIT 1 FACILITIES ENVISAGED	Please indicate the number of P&ID for ISBL & OSBL	Tentative P&ID for Licensor package is around 100
149	107		EXHIBIT 1 FACILITIES ENVISAGED	Please provide number of lines/ Indicative line list (preliminary if prepared)	Will be provided to the successful bidder
150	107		FACILITIES ENVISAGED	Please provide the information on number of control room buildings to be considered	To be finalised with the successful bidder
151	113		EXHIBIT 2 SCOPE OF SERVICES	Please provide the tentative distance of water intake facility to the 2G Ethanol Plant where Raw water storage facilities will be prepared.  Please also confirm whether water intake system design is included in the scope of consultant. If yes, then how other utilities such as power supply, instrument air, etc are envisaged.	Presently water source identified is at around 5 km from project site, from Tungabhadra river. This is subject to approval from the Government. The water intake system design is included in the scope of the Bidder. Other utilities also to be considered in the Design.
152	113		EXHIBIT 2 SCOPE OF SERVICES	Please provide the tentative distance of power tap source to plant. Also indicate mode of cable laying (underground/ Above ground). Please also indicate power transmission route survey and feasibility is in whose scope	The same has to be finalised after obtaining concurrence from the State Electricity Board by Bidder.
153	113		EXHIBIT 2 SCOPE OF SERVICES	Please clarify EPCM battery limit scope for power distribution system inside the plant.	Please refer to the scope of the tender document.
154			General	Please provide the index sheet of basic engineering design package. Please also inform that whether FEED ( for OSBL facilities) was performed for DFR . What is the percentage accuracy of cost estimation of DFR. Please clarify.	The list of documents submitted by the licensor in the BEDP is provided in the addendum 01. FEED was not performed for DFR.
155			General	Please arrange to view the BEDP & DFR for better understanding and accurate estimate of efforts before bid submission.	Will be provided to the successful bidder

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
156	4		SECTION -I NOTICE INVITING TENDER (NIT) Page 4	MRPL either on its own or along with JV partner intends to set up a Second Generation (2G) Ethanol production plant of 60 KL per day.  Please clarify whether the purchase order shall be given to the successful bidder by MRPL OR JV of MRPL -Partner	MRPL is in discussions with the JV partner for formation of JV company for implementation of the 2G Ethanol Project. Parallel bids for the PMC tender will be received and evaluated. IF the JV company shall be formed within these timelines then order will be placed by the JV company, else order shall be placed by MRPL. Further upon formation of JV company the contract shall be assigned to the JV Company. Assignee clause with regard to the same is provided in the tender
157	4		SECTION -I NOTICE INVITING TENDER (NIT) Page 4	We understand that the scope of services as mentioned in tender document is basically for PMC services for setting up a 2G Ethanol Bio-Refinery Plant at Karnataka. The EPCM services shall be applicable only for Power, Water intake and compound wall & inside area grading works. Please clarify.	Please refer to the scope of the tender document.
158	21		ITB ( Instruction to Bidders) Page 21	PRICE / SCHEDULE OF RATES (SOR) / BILL OF QUANTITIES: 12.1 Unless otherwise agreed to in the terms of the LOA, the price shall be firm and not subject to escalation for any reason whatsoever till the execution of entire LOA/Purchase order/Contract, even though it might be necessary for the Purchase order /Contract execution to take longer than the Completion period specified in the Purchase order/Contract.  The Lumpsum price of Consultant is subject to escalation @8% yoy (year on year) in the event of changes in scope of work of Consultant, re-work for reasons not attributable to Consultant. The Lumpsum price is also subject to escalation @8% yoy, in case Consultant is required to carry out any work which is in the scope of licensor, vendors or contractor. Further, any delay in completion of scope of work of consultant beyond the scheduled completion date which is not attributable to Consultant, shall result in escalation @8% yoy of Lumpsum price of consultant.	Please follow the tender conditions. The prices shall be firm till the execution of the project. Refer preamble to Price bid.
159	96		Article 15 & Article 30 Suspension & Termination Page 96	TCE's right to Suspend/Terminate – In the event, TCE is not paid as per the T&Cs of Contract, TCE may suspend its' services under the contract. If such suspension continues for 30 calendar days, TCE may Terminate the Contract.	Please follow the tender conditions.
160			General	TCE and MRPL agree that TCE has considered 2 nos. revisions and no hard copy deliverables in the Contract value. If there is any addition to it for no fault of TCE, TCE's remuneration shall be increased as to be mutually agreed between the Parties.	Please follow the tender conditions.

SL NO.	BIDDING DOCUMENT	SUBJECT	Bidder's Query	Owner's Reply
161	103	Article 23. Limitation of Liability Page 103	LIMITATION OF LIABILITY: 23.1.1 The aggregate total liability of the Consultant to OWNER under the Contract shall not exceed 20 % of the total Contract Price, except that this Clause shall not limit the liability of the Consultant for following: (a) In the event of breach----- We request that the aggregate total liability of the Consultant to OWNER under the Contract shall not exceed 10 % of the total Contract Price, Kindly consider	Please follow the tender conditions.
162		EXHIBIT 3 COMPLETION SCHEDULE 1.0	The project schedule is linked to LOA ( Letter of Award). Please note that the total project schedule for mechanical completion is 30 months for Consultant services for 2G Bio-Ethanol plant from the date of receipt of BEDP by Consultant. In case of delay, the project schedule shall be extended accordingly.	Please follow tender conditions.
163		EXHIBIT 3 COMPLETION SCHEDULE Page 225	Performance Guarantee including Hydraulics of the Facility to be submitted within 1 month from commissioning by Bidder. Please clarify the exact requirement .	Please follow the tender conditions.
164		EXHIBIT 4 PRICE REDUCTION SCHEDULE & PENALTIES Page 228	"This is a time bound job and in the event of any delay in completion of work of achieving Mechanical completion due to reasons attributable to Consultant, the Consultant will be liable for Price Reduction Schedule at the rate of 0.5 % per week of such delays subject to a maximum amount of 5% of the executed portion of total contract value." We request that the overall cap for price reduction and penalties shall not exceed 5% of contract price.	Please follow the tender conditions.

SL NO.	BIDDING DOCUMENT	SUBJECT	Bidder's Query	Owner's Reply
165		EXHIBIT 9 REMUNERATION, CONTRACT PRICE & TERMS OF PAYMENT Page 297	<p>TERMS OF PAYMENT</p> <p>CONSULTANT's lump sum fees shall be paid as per the following on monthly basis upon submission of the bill. One bill per month is only allowed.</p> <p>Lump sum fee towards CONSULTANT Services</p> <p>a. 5% - After Kick-off Meeting</p> <p>b. 80% - Based on progress and mutually agreed Detailed billing breakup, for Engineering, Procurement and Construction activities of the Project.</p> <p>c. 5% - On issue of Mechanical Completion certificate by EIC.</p> <p>d. 5% - On issue of Commissioning certificate &amp; Hydraulic guarantee completion certificate.</p> <p>e. 2.5% - On Submission of final documentation &amp; acceptance certificate by OWNER.</p> <p>f. 2.5% - On issue of Completion certificate of all the services and on final closure of contract.</p> <p>We propose the following payment terms. Kindly consider.</p> <p>a. 10% - After Kick-off Meeting</p> <p>b. 85% - Based on progress and mutually agreed Detailed billing breakup, for Engineering, Procurement and Construction activities of the Project.</p> <p>c. 5% - On issue of Mechanical Completion certificate by EIC.</p> <p>d. 5% - On issue of Commissioning certificate &amp; Hydraulic guarantee completion certificate.</p>	Please follow the tender conditions.
166	106 of 312	M/s. LanzaTech is the licensor for supply of license, basic engineering design package and other related services. (and elsewhere in tender document)	<p>Please confirm following will be provided by M/s Lanza Tech as a process licensor for 2G Ethanol plant:</p> <p>1. Basic Engineering Design Package (BEDP) shall be made available to consultant including Basic Process Design, Basic Process Equipment Design, Basic Plant Design, Basic Piping Design, Basic Instrumentation Design, Basic Electrification Design, and other related services, minimum consisting of -</p> <ul style="list-style-type: none"> <li>- Process/Facility/Utility Design Basis,</li> <li>- Overall material balance,</li> <li>- Process Block Diagram,</li> <li>- Process &amp; Facility Flow Diagram (PFD) with Stream data, Process equipment &amp;</li> </ul>	<p>YES</p> <p>LIST of documents provided in the BEDP Package is provided in the addendum 01.</p>
167	108 of 312	Detailed Feasibility Report has been prepared including the OSBL portion	Detailed Feasibility Report including the OSBL portion shall be furnished.	Will be provided to the successful bidder
168	111 of 312	ENGINEERING DESIGN BASIS FOR PROCESS Part-A / Part-B are enclosed as Annexure - 1	Engineering Design Basis for PROCESS Part-A / Part-B enclosed as Annexure-1 not found in tender document. Please furnish the same.	Provided as addendum 01 to tender.

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
169	113 of 312		Remarks - Gasifier is free supply by owner from Licensor, Installation and commissioning by the supplier. Scope of the Gasifier supplier to be reviewed before finalizing the Scope of LSTK Contractor	1. It is understood that Gasifier is free supply by owner and any activity related to procurement of the Gasifier is not in consultant scope of services. Please confirm. 2. Scope of the Gasifier supplier shall be furnished by owner for finalizing the Scope of LSTK Contractor. Please confirm.	YES  Will be furnished to successful bidder
170	113 of 312	Exhibit-2, Scope of services, 1.0 Consultant's scope of work	Process units under LSTK & EPCM column, & Any other not covered under the LSTK scope	Please provide following: 1. Overall layout of plant & technological layouts of units indicating process units for ISBL & other facilities of OSBL under LSTK & EPCM respectively with Battery limit, take-off point of all utilities including water intake from water authority and power import from source, sizes/area allotted for works envisaged. 2. List of plant & non-plant buildings, structures with sizes and elevations. 3. List of unit/facility "Any other not covered under the LSTK scope" which is to be covered under EPCM scope. 4. PFDs & P&IDs of all units and facilities. 5. List of equipment	Will be provided to the successful bidder.  3. Please refer to the scope in the tender document 4. Will be provided to the successful bidder 5. Will be provided to the successful bidder
171	114 of 312, 3rd Para.	Exhibit-2, Scope of services, 1.0 Consultant's scope of work	CONSULTANT should thoroughly review the Engineering Design Basis-B and Package provided by OWNER and carry out Value Engineering for the same. The overall objective of the Value Engineering exercise is to optimise on the overall Project cost with compliance to applicable Safety standards and ensuring quality of the products.	Engineering Design Basis-B shall be furnished by owner. Engineering shall be carried out based on Engineering Design Basis-B and Basic design input furnished by owner.	EDB-B is provided as addendum 01  Please refer to tender for value Engineering on EDB-B
172	114 of 312, 4th Para.	Exhibit-2, Scope of services, 1.0 Consultant's scope of work	CONSULTANT should review the Standards and Technical Specifications considered in the Design Basis B document and Tender document and propose necessary modifications/changes in the Engineering Design Basis B and technical specification in tender document after value Engineering to Owner.	Standards and Technical Specifications considered in the Design Basis B document and Tender document shall be furnished by owner.	Please refer to tender for value Engineering on EDB-B which is provided as addendum 01.
173	114 of 312, 5th Para.	Exhibit-2, Scope of services, 1.0 Consultant's scope of work	CONSULTANT's scope of work for the above project shall cover services pertaining to review and approval of basic design.....	It is understood that review and approval of basic design submitted by contractor shall be done based on BEDP documents furnished by owner/licensor. Specific basic design, if any, not provided in BEDP document, shall be made available by owner/licensor so as to complete the approval by consultant. Please confirm.	Please refer to the scope of tender document

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
174	114 of 312, Last Para. & 115 of 312, First Para.	Exhibit-2, Scope of services, 1.0 Consultant's scope of work	Consultant if required for the project should participate in HAZOP, SIL, Surge Analysis and any other statutory study required for successful completion of the project, review the RRA prepared by the third-party agencies and take all the mitigation during the design and construction of the project. The Consultant shall also make the Disaster Management Plan during the Operation of the Facilities for the Project.	1. Please confirm whether consultant scope include only participation in or conducting/carrying out HAZOP, SIL, Surge Analysis and any other statutory study required. Please specify the statutory study required. 2. It is understood that any work related to third-party agencies for preparation of RRA including appointment is not in consultant scope of work. Consultant shall only review the RRA furnished by owner. Please confirm. 3. It is understood that consultant scope of work include to make the Disaster Management Plan during the Operation of the Facilities for the Project only for OSBL based on Disaster management plan of ISBL covering the interrelated disaster of OSBL furnished by licensor/owner. For ISBL Disaster Management Plan during the Operation of the Facilities for the Project shall be furnished by licensor covering the interrelated disaster of OSBL. Please confirm.	Please refer to the scope of tender document
175	115 of 312, Second Para.	Exhibit-2, Scope of services, 1.0 Consultant's scope of work	Bidder shall ensure the hydraulic guarantee of the complete unit / system along with accuracy of. Bidder to make necessary design changes to achieve hydraulic guarantee without any additional cost and time implication to the OWNER if required.	It is understood that hydraulic guarantee of the complete unit/system is under LSTK contractors as per following references of tender documents elsewhere: 1. n) LSTK contractor shall ensure Hydraulic guarantee (Ref page 116 of 312) 2. p) Hydraulic guarantee is in the scope of LSTK contractor. Any failure in Hydraulic performance, contractor to carryout re-engineering and execution without time and cost implication. (Ref page 116 of 312). 3. v) Pre-commissioning and Commissioning, Start up and Assistance in Hydraulic guarantee Test. (Ref page 116 of 312). 4. E. Pre-commissioning and Commissioning, Start up and Assistance in Hydraulic Guarantee Test. Performance Guarantee test run. (Ref page 117 of 312).	Please refer to the scope of tender document
176	119 of 312	Exhibit-2, 2.0 Consultant's scope of work – PMC, A4, 2	CONSULTANT shall vet and approve the cost estimated in the DFR. The consultant shall verify the basis of cost estimation and detailed back up shall be furnished in approved formats, and the same shall be agreed post order stage.	It is understood that cost estimated in DFR shall be verified by consultant based on basis of cost estimation and back-up documents provided by owner. This detailed back-up shall be updated in approved formats. Please confirm.	Successful bidder shall be provide DFR data and bidder will provide the cost estimation upto +/- 5% based on the FEED developed by him.
177	120 of 312	Exhibit-2, 2.0 Consultant's scope of work – PMC, B1, 1	Consultant shall be the nodal point for coordination between Technology Suppliers, if any, LSTK Contractor and OWNER.	It is understood that Technology supplier is M/s LanzaTech. Whether any other technology supplier is also envisaged. Please confirm.	M/s Lanzatech is the supplier of technology.
178	120 of 312	Exhibit-2, 2.0 Consultant's scope of work – PMC, B2, 1	Process/Facility Design 1. Typical Content of Process/Facility Package is as follows: sl. no. ato w.	It is understood that typical content of Process/Facilities package shall be based on the BEDP documents/drawings furnished by Owner/Licensor. Please confirm	Please refer to the Scope of tender document.

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
179	120 of 312	Exhibit-2, 2.0 Consultant's scope of work – PMC, B2, 1, e	Piping Isometric drawings.	Piping isometric drawings shall be prepared by contractor as part of detailed engineering.	Please follow tender conditions
180	121 of 312	Exhibit-2, 2.0 Consultant's scope of work – PMC, B3.1, 11	Consultant shall ensure all the requirements as stipulated in the central and state Consent for Establishment CFE (Environmental clearance) shall be suitably incorporated in the detailed design to be developed by LSTK contractor.	Central and state Consent for Establishment CFE (Environmental clearance) shall be furnished by Owner. Please confirm.	EC is obtained and CFE shall be obtained by the owner. However necessary technical support shall be provided by the consultant for obtaining CFE if required.
181	122 of 312	Exhibit-2, 2.0 Consultant's scope of work – PMC, B3.1, 14	Hazardous area classification drawing shall be prepared by the Consultant. LSTK contractor and the same shall be vetted by PMC.	It is understood that Hazardous area classification drawing shall be prepared by the LSTK contractor and the same shall be vetted by PMC. Please confirm.	Please refer to the scope of tender document.
182	127 of 312	Exhibit-2, 2.0 Consultant's scope of work – PMC, C1, 5	Inspection and expediting of delivery of indigenous equipment and materials.	It is understood that witness of inspection of indigenous equipment and materials shall be done by approved Third party agency. Inspection related other works shall be in consultant scope. Please confirm.	Please follow tender conditions
183	128 of 312	Exhibit-2, 2.0 Consultant's scope of work – PMC, C3, 1	Consultant shall undertake inspection of all indigenous equipment and materials to be procured by OWNER as per Purchase Order for the units being executed.	It is understood that witness of inspection of indigenous equipment and materials shall be done by approved Third party agency. Inspection related other works shall be in consultant scope. Please confirm.	Please follow tender conditions
184	139 of 312	Exhibit-2, Scope of services, 3.0 Consultant's scope of work – EPCM, B3.5, 1 & 2	1. Finalization of piping material specification/classification and preparation of valve material Specification according to process requirement and based on the common PMS / VMS of OWNER Refinery complex. 2. Shall prepare the piping specifications for the services to which the specification is not available in common PMS / VMS of OWNER Refinery complex. The piping specifications thus prepared shall meet all the requirements of common PMS / VMS of the OWNER Refinery complex.	Common PMS / VMS of the OWNER Refinery complex shall be provided by owner for completion of activity. Please confirm.	PMS/VMS to be developed by the bidder based on the Licensor inputs in BEDP for licensor portion. For OSBL portion bidder has to develop the same.
185	142 of 312	Exhibit-2, 3.0 Consultant's scope of work – EPCM, C2, 3	If inspection of indigenous equipment and materials is required by EPCM consultant at Vendor place, same shall be at reimbursed extra on per diem basis as per LOA/PO.	It is requested to consider same clause for "2.0 Consultant's scope of work – PMC" scope also. Please confirm.	Please follow the Tender conditions



SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
186	143 of 312	Exhibit-2, 3.0 Consultant's scope of work – EPCM, C4, 1	EPCM consultant shall float a separate tender for material handling contractor to handle the materials at warehouse and it shall not be included in the construction contractor scope.	Warehouse/Store management can it be included in LSTK contractor scope? Please confirm.	Please follow the Tender conditions
187	Page 113 of 312		Control room, control system, electrical distribution in ISBL and supply to OSBL	Kindly confirm if Field Instrumentation, DCS & Automation system shall be a separate package.	Please refer to the scope of tender document
188	Page 124 of 312	2.0 CONSULTANT'S SCOPE OF WORK - PMC B3.6	Consultant shall ensure, Instrumentation engineering including as-built drawings / documents of cable schedules, loop diagrams, segment diagrams, termination drawings, and specifications of all field instruments like transmitters, orifices, control valves, temperature elements, thermowells, field switches, analyzers etc. shall be prepared using engineering software tools.	Engineering software tools maybe indicated	INtool, SmartPlant Instrumentation (SPI), AVEVA Instrumentation are some of the Engineering tools available
189	Page 124 of 312	2.0 - PMC B3.6	Instrumentation	Kindly confirm if design of Telecommunication, PA System, VHF is included in the scope of PMC for ISBL and OSBL.	ISBL and design by the LSTK Contractor. EPCM consultant shall provide the requirements of the same to the LSTK contractor for OSBL areas.
190	Page 126 of 312	2.0 PMC B3.6, pt 32	Consultant shall undertake Procurement, installation, pre-commissioning & commissioning of any additional PLC, I/O Cards/other hardware for implementing the project, as deemed necessary.	Shall be excluded from Consultants scope	Please follow tender conditions
191	135 of 312	CONSULTANT SCOPE OF WORK - EPCM, B3 -	Detailed Engineering	Scope of work w.r.t Instrumentation maybe clarified / indicated	Please refer to the consultant scope of EPCM in the tender document
192	154 of 312	Annexure -I to Scope of services 2-6, c	Clean all air-supply headers by blowing with clean air and check them for tightness	Shall be in the contractors scope	Please follow tender conditions
193	154 of 312		Clean all transmission and control tubing by blowing with cooled and filtered clean air before connecting to instrument components	Shall be in the contractors scope	Please follow tender conditions
194	154 of 312	Annexure -I to Scope of services 2-6, g	Install and correct all system components and verify their conformance to specification and design criteria for function and range using dummy transmission signals as needed	Installation Shall be in the contractors scope	Please follow tender conditions

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
195	112 of 312	Clause 1.0	Consultant Scope of Service: Exhibit 2 <b>General layout</b>	Land profile indicating location of infrastructure facilities like water , power and connecting road drawings required. - Plat Layout drawing indicating major units location	Reply to water intake and power is mentioned above. Balance available data with MRPL shall be provided to the successful bidder.
196			Consultant Scope of Service: Exhibit 2 <b>Utilites</b>	Source of water , Avaivailability of water, Any water storage reservoir to be considered. - Source or laccation of intake for water shall be mentioned. Distance between the Source and project siter shall be furnished.	Presently water source identified is at around 5 km from project site, from Tungabhadra river. This is subject to approval from the Government. No additional water storage is envisaged ar the project site.
197	Page 4 of 312	2.0 Brief Scope Of Work	Assistance in obtaining statutory clearance	Has Environmental Clearance been obtained MOEF&CC? If yes, kindly provide a copy of EC  The construction activities can be started only after obtaining Environmental Clearance from MOEF&CC.  Delay in obtaining Environmental Clearance will affect the completion schedule of the project	EC has been obtained. MRPL is in the process of obtaining the CFE. Copy of the same shall be issued to the successful Bidder
198	Page 115 of 312		Assistance in obtaining all statutory clearance including but not limited to PESO, Factories, CEA,TAC, Environment / Pollution board, the Ministry of Environment and Forests, Chief EngineerInspector (Commissioner of Electricity, Karnataka), Fire Service, CPWD / PWD /PRED, OISDAudit, PESO, DGCA, HESCOM, Local body etc. required for completion of the job.	Kindly clarify the type of statutory clearances to be obtained	Assistance to be provided for all the statutory clearances applicable for this type of project
199	Page 121 of 312	B3.1. General	Consultant shall provide necessary assistance, wherever required for providing technical inputs for all statutory clearances to be obtained by OWNER.	Kindly clarify the type of statutory clearances to be obtained	Assistance to be provided for all the statutory clearances applicable for this type of project
200	Page 121 of 312	B3.1. General	Consultant shall ensure all the requirements as stipulated in the central and state Consent for Establishment CFE (Environmental clearance) shall be suitably incorporated in the detailed design to be developed by LSTK contractor.	Has Consent for Establishment obtained?  The Consent for Establishment order copy to be provided for carrying out the said assignment	EC has been obtained. MRPL is in the process of obtaining the CFE.
201	Page 120 of 312	B2. Process/Facility Design	Effluent Summary.	Details of Effluent & Sewage (Quantity & Characteristics)  Kindly confirm whether these details will be provided by the technology supplier.	Will be provided to the successful bidder. ZLD is envisaged for the project.
202			Structural / Civil	General Layout drawing along with name of facility/building for 2G Ethanol plant to be provided. Dimensions/Plan Area/Levels for the envisaged facilities/building to be provided.	Will be provided to the successful bidder

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
203	123 of 312	Exhibit2: PMC. Cl. B3.3	Structural Engineering; Point No. 1 Design of columns, structures, platforms, pump house, compressor house, substation, pipe rack, cable trenches, vessels, etc.	Whether Design of structural facilities or Review/Approval of LSTK contractor drawings/documents by Consultant/PMC. Please clarify.	Please refer to the consultant scope of PMC and EPCM in the tender document
204	123 of 312	Exhibit2: PMC. Cl. B3.3	Structural Engineering; Point No. 5 Design of pump house, compressor house, substation, etc.	Whether Design of structural facilities or Review/Approval of LSTK contractor drawings/documents by Consultant/PMC. Please clarify.	Please refer to the consultant scope of PMC and EPCM in the tender document
205	123 of 312	Exhibit2: PMC. Cl. B3.3	Structural Engineering; Point No. 6 Design of pipe rack, cable trenches.	Whether Design of structural facilities or Review/Approval of LSTK contractor drawings/documents by Consultant/PMC. Please clarify.	Please refer to the consultant scope of PMC and EPCM in the tender document
206	123 of 312	Exhibit2: PMC. Cl. B3.3	Structural Engineering; Point No. 7 Design of structures for installation of various equipment and platforms attached to various equipment.	Whether Design of structural facilities or Review/Approval of LSTK contractor drawings/documents. Please clarify.	Please refer to the consultant scope of PMC and EPCM in the tender document
207	123 of 312	Exhibit2: PMC. Cl. B3.3	Structural Engineering; Point No. 9 Fabrication drawings of structure and columns.	Whether Preparation of fabrication drawings for structures or Review/Approval of LSTK contractor's fabrication drawings. Please clarify.	Please refer to the consultant scope of PMC and EPCM in the tender document
208	107	Exhibit-1/2.0	Facilities Envisaged	Layout of the facilities in ISBL area & OSBL Area. Layout of the facilities in ISBL area & OSBL area along with dimensions/sizes & approx. load details. - Topographical survey & Soil investigation details/report etc., are required.	Will be provided to the successful bidder . Soil Investigation and topographical survey details have been provided in addendum 01.
209	110 & 111	Exhibit-1/3.0	Design Basis	EDB part-A & EDB - Part B is not available in the Bid document. Same shall be furnished	EDB-B is shared as addendum 01
210	115 & 116	Exhibit-2/1.1	Scope of Work for LSTK/EPCM	Layout/location of Boundary wall is required	Will be provided to the successful bidder
211	122	B3.2	Civil	1)Details of area of plant and length of compound wall are required. 2)Details (like number and Girth sizes) of Trees to be cleared. 3)Spot levels of the plant area is required to estimate site grading work. 4)location of dumping area for unserviceable earth/surplus earth/scrap etc., are to be provided	Please refer to the scope of the Consultant in the tender document .
212	B3.7	B3.7	Electrical	Details of Incoming power Supply viz. Rating, Voltage level, Load List, Short circuit MVA, Mode of transmission (UG/OH) , distance of Substation from Proposed site etc., shall be furnished.	Successful bidder will liason with the Local DISCOM/KPTCL authorities to finalise the Power source and other details in consultation with MRPL
213	7 of 312	Clause No. Ii	BQC - Technical Criteria	Client is requested to consider the following modification (highlighted in red) in the BQC. " Technical Criteria: The Bidder as a PMC/EPCM Consultant should have Mechanically Completed/ commissioned at least one Projects for a Process unit in a Petroleum Refinery/ Petrochemicals/ Oil & Gas/ Fertilizer/ Pulp and Paper/ Chemicals/ Ethanol Distilleries/ Power/Utility plants in India or overseas during the last 10 years ending last day of the month previous to the one in which tenders are invited on PMC/EPCM basis. The value of Projects shall be a minimum of INR 600 Crores for one Projects or Two Projects of Minimum INR 400 Crores each or Three Projects of Minimum INR 300 Crores each."	Please follow tender conditions

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
214	7 of 312	Clause No. Li	BQC - Technical Criteria	Client is requested to note that it is not possible to show the project value in the completion certificate as most of the PSU Client / Government Client's certificate format is mostly prototype and in Client's own format. However, we will submit the document from secondary source of information to justify the project valuation. Kindly accede to our request.	Please follow tender conditions
215	106 & 110 of 312	Clause No. 3.0	BDEP Package & Block Diagram of ISBL Portion	Client is requested confirm that complete basic design of all the process units including thermal generation from waste heat as indicated in the Block Diagram will be under the BDEP Package prepared by Process Licensor M/s Lanzatech. Consultant will only consider the same as input to prepare the single LSTK Tender for ISBL portion. Review and value engineering of BDEP Package is not included in the Consultant's scope. Please confirm.	Please refer to the Scope of tender document
216	106 & 110 of 312	Clause No. 3.0	Hazop & Hazid Study	Client is requested to confirm that HAZOP, HAZID, SIL study, Site Topographical & Geotechnical Survey as required for the ISBL area will be under the scope of LSTK Contractor. Contractor will only participate on the same and review the report. Please confirm.  For OSBL Items, HAZOP, HAZID, SIL study, Site Topographical & Geotechnical Survey will be executed by 3rd party to be appointed by Client. Consultant will provide the necessary technical assistance, participate and review the report. Please confirm.	Please refer to the Scope of tender document
217	111 of 312	Clause No. 3.0	Engineering Design Basis	Client is requested to share the "ENGINEERING DESIGN BASIS FOR PROCESS Part A / Part-B" with Consultant as we are failed to identify the same as Annexure-1 as mentioned in the RFQ. It will be required to assess and understand the detail scope of Process Licensor under the ISBL portion.	Provided as addendum 01 to tender.
218	113 of 312	Exhibit-2: Clause No. 3.0	Scope of Service - Scope Matrix	It is understood that supply of all the units (except Gassifier Unit) under ISBL portion as mentioned in the scope matrix will be under the scope of LSTK contractor based on the tender document prepared by Consultant. Please confirm.	Please refer to the Scope of tender document
219	112 of 312	Exhibit-2:	Scope of Service - 3D Modelling	It is understood that 3D modelling of complete ISBL items will be prepared by LSTK Contractor. Please confirm. In addition to that, Consultant will only review the .nwd file in navisworks for the ISBL 3D Models. Please confirm.  Client is also requested to clarify that who will be responsible for preparation of the 3D model of OSBL items.	Please refer to the Scope of tender document
220	112 of 312	Exhibit-2:	Design Basis of all OSBL Components.	It is understood from Page No. 111 that EDB Part-B (Engineering design basis for overall plant including OSBL items) will be shared by Client to Consultant. In view of the same, Client is requested to clarify on the requirement of preparing design basis of all OSBL Packages by Consultant.	EDB-B is shared as addendum 01. Please refer to the value Engineering scope for EDB-B in the tender document.

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
221	114 of 312	Exhibit-2:	Review & Value Engineering of Design Basis B	Client is requested to categorically confirm that review and value engineering of BDEP Package of ISBL portion is excluded from Consultant's scope. Consultant's scope pertaining to ISBL portion will only be limited up to preparation of LSTK tender and review of LSTL Contractor's design drawings / documents. Please confirm.	Please refer to the Scope of tender document
222	115 of 312	Exhibit-2:	Hydraulic Guarantee	Client is requested to confirm that ensuring of hydraulic guarantee of the complete ISBL unit will be under the scope of LSTK Contractor and not the Consultant.	Please refer to the Scope of tender document
223	115 of 312	Exhibit-2: Clause No. f	Detailed Costing & FEED	Client is requested to confirm that FEED preparation of ISBL portion is excluded from Consultant's scope. For OSBL portion, FEED will be prepared by the Consultant based on the design basis of OSBL part prepared by Client. Also Client is requested to note that achieving +/-5% accuracy at FEED stage within 3 months without executing the preliminary engineering of OSBL Items and vendor's offer evaluation is not practical and possible. Hence, Client is requested to reevaluate the same.	Please refer to the Scope of tender document
224	120 of 312	Exhibit-2: Clause No. 2. B2	Process / Facility Design	Client is requested to confirm that design of all the items mentioned under the said clause will be under the scope of LSTK Contractor only.	Please refer to the Scope of tender document
225	122 of 312	Exhibit-2: Clause No. 2. B3.1.14	Hazardous area	Client is requested to clarify the scope of preparation of Hazardous Area Classification Drawing. It is assumed that the same will be under the scope of LSTK Contractor and will be reviewed by PMC Consultant. Please confirm.	Please refer to the Scope of tender document
226	123 of 312	Exhibit-2: Clause No. 2. B3.2.15	Bore Well / Tube Well	Client's intention regarding the scope mentioned under this clause is not clarified. Please clarify.	The same is required to meet the water requirement.
227	123 of 312	Exhibit-2: Clause No. 2. B3.5.1	Piping & Valve Material specification	Client is requested to confirm that Preparation and finalization of piping and valve material specification and classification according to process and utility lines requirement will be under the scope of consultant for the OSBL Items only.	PMS and VMS will be developed by the bidder based on the inputs from licensor package for the process units. For balance of plant bidder to develop the specifications.
228	128 of 312	Exhibit-2: Clause No. 2. C3	Inspection & Expediting	It is understood that inspection of all indigenous equipment and materials pertaining to OSBL items only is under the scope of Consultant. Consultant is not envisaging any inspection for the ISBL items which will be under the scope of TPI to be appointed by LSTK Contractor. Consultant will only review the test reports for the ISBL items. Please confirm.  Client is also requested to note and confirm that Consultant is considering the expediting service from home office only. No visit cost has been envisaged in the LS price without knowing the quantum of visits as the same will unnecessarily overload the price. If required, the same will be reimbursed by Client if excuted by Consultant as per the requirement. Please confirm.	Please refer to the PMC and EPCM Scope of tender document

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
229	157 of 312	Clause No. 2.0 (j) - SCC	Permission	<p>Client is requested to arrange all permissions at their cost, from private/public/local/government bodies and other authorities including providing safe and conducting working atmosphere for Consultant's personnel in advance for smooth implementation of the tendered work without any hindrance. Consultant will be unable to identify the actual requirement related to the same and hence excluding the same from their scope.</p> <p>If Client is still insist on the same, MRPL is requested to elaborate the type of permission to be obtained for providing safe &amp; conducting working atmosphere for Consultant personnel working at site enabling us to assess the cost amount for the same to quote.</p>	Please follow tender conditions
230	161 of 312	Clause No. 3.0 - SCC	Construction Power for Consultant's office	<p>It is understood that power for Consultant's site office will be provided by Client at one point inside the project site. Please confirm.</p> <p>Client is also requested to provide the unit rate cost of the power to be supplied inside the project site for estimation of price at Consultant's end against consumption of power for Consultant's site office.</p>	As it is a greenfield project, Consultant shall arrange his own power for his site office and other site related requirements.
231	161 of 312	Clause No. 3.0 - SCC	Construction Water for Consultant's office	Client is requested to elaborate on the source & supply arrangement of Utility Water/service water and potable water for consultant's site office at Project site. It will be required to estimate the cost which will be borne by Consultant as per the NIT requirement.	Bidder may visit the Project site for assessing the required facilities
232	223 of 312	Annexure-III to SCC	Minimum Key Man Power Requirement	<p>Consultant anticipated the no. of lead engineers in each discipline as indicated in the NIT for site deployment is on higher side. Client is requested to reevaluate the same and provide a mobilization chart so that all the bidder will be at same platform.</p> <p>Client is also requested to note that manpower to be deployed at site from Consultant end will be as per the actual site requirement and progress of work at site only. Consultant is not bound to provide all the manpower at site for entire project period if the same is not at all required. Please confirm.</p>	Please follow the Tender conditions
233	225 of 312	Exhibit-3 - Completion Schedule	Break Up of Consultant's deliverable timeline - Submission of vetted Total Landed cost estimation	Client is requested to note that evaluation of total landed cost with +/- 5% variation at the initial stage of the project (before finalization of LSTK / EPCM Contract) is not possible and practical. However, Consultant can only review the Cost part of the DFR and identify the gross concern / observation on the same. DFR will be further updated at the later stage, as required, by the Consultant also. Please confirm.	Bidder to follow by the scope of the tender document.
234	229 of 312	Exhibit-5 - Owner's obligation	Office Space at Project Site	Client is requested to arrange and allocate the space for the Consultant's project site office (porta cabin) and supply the power and potable water at one point nearest to that place. Please confirm.	Please refer to the Scope of tender document

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
235	229 of 312	Exhibit-5 - Owner's obligation		We have not envisaged any costs against visits to overseas by Consultant's Engineers under this contract for any works related to Engineering / PMC Service / EPCM Service / Inspection Service / Meeting. Please confirm the same.	Please refer to the Scope of tender document
236	229 of 312	Exhibit-5 - Owner's obligation		Consultant understood that BDEP package of ISBL will be shared on placement of order. However, MRPL is requested to provide the already available project DFR copy along with the preliminary Plot Plan of the project site including tentative route from supply point to Project site for Power Intake and Water Import. It will be required by the Consultant to estimate the engineering work involvement and more precisely the cost of survey which will be done by 3rd party and need to be loaded in the Consultant's price. Please provide.	Will be provided for the successful bidder
237	230 of 312	Exhibit-6 - Exclusion from Consultant's Scope		It is understood that Consultant need not to consider any expenses related to accommodation, living allowance, travel, local transport, visa charges for the meetings required for engineering review / inspection service (as required in the NIT) within India and Overseas and the same shall be arranged by Owner. Please confirm.	Please follow the tender conditions
238	230 of 312	Exhibit-6 - Exclusion from Consultant's Scope		It is understood that all kind of liaison activities with all statutory authorities / government authorities / local agencies are excluded from the PMC Consultant's scope. We have not considered any visits from PMC Consultant's home office to these offices for liaison activities in our scope of service. Please confirm.	Please follow the tender conditions
239	250 of 312	GCC, Clause No. 24.0	Force Majeure	This clause does not provide for extension to be granted to the Consultant by a period for which the Consultant was unable to perform due to the Force Majeure event nor does it provide for payments to the Consultant during the force majeure event. It is, therefore, requested to amend the provision by adding the below: "During the period of their inability to perform the Services as a result of an event of Force Majeure, the Consultant, upon instructions by the Client, shall either: (a) demobilize, in which case the Consultant shall be reimbursed for additional costs they reasonably and necessarily incurred, and, if required by the Client, in reactivating the Services; or (b) continue with the Services to the extent reasonably possible, in which case the Consultant shall continue to be paid under the terms of this Contract and be reimbursed for additional costs reasonably and necessarily incurred."	Please follow the tender conditions
240	251 of 312	GCC, Clause No. 24.4	Payment in case of termination due to Force Majeure:	It is submitted that the Consultant should also be provided reasonable costs and expenses incidental to such termination, including demobilization costs. Please accordingly amend the provision.	Please follow the tender conditions
241	253 of 312	GCC, Clause No. 29.4	Cancellation	if the Order is cancelled for reason Owner's convenience like in this case, the Consultant should be paid a reasonable compensation and addition to being paid sums in all pending invoices for the services rendered prior to the effective date of such cancellation. Please accept.	Please follow the Tender conditions

SL NO.	BIDDING DOCUMENT		SUBJECT	Bidder's Query	Owner's Reply
242				Consultant is expecting a detailed amendment of the NIT along with response of all bidder's queries. In addition to that, to prepare a competitive and qualitative techno commercial bid for submission, kindly allow us minimum three (3) weeks extension in the bid submission i.e up to 30.03.23.	<b>BCD is extended upto 22.03.2023</b>