

## PRE-BID QUERIES REPLIES

| SL NO | REFERENCE OF ENQUIRY DOCUMENT      |         |                           |                            | BIDDER'S QUERY  | PDIL/ HURL REPLY  |
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|       | PART/VOL                           | PAGE NO | CLAUSE NO.                | SUBJECT                    |   |   |
| 1.    | PNMM/PC172/E /IT/001, ATTACHMENT-I | All     | All                       | PRE-QUALIFICATION CRITERIA | Considering the quantum of software projects done for manufacturing industry with similar nature, request to kindly relax this criteria.  | Shall be as per NIT   |
| 2.    | PNMM/PC172/E /IT/001, ATTACHMENT-V | 56      | A.4                       | Technical Specifications   | More Clarity required since PDIL standard formats for Drawings and documents shall be shared with the successful bidder   | Scope & deliverables already defined.   |
| 3.    | PNMM/PC172/E /IT/001, ATTACHMENT-V | 63      | C. TECHNICAL REQUIREMENTS | Technical Specifications   | Clarifications with the Technical Architecture requested.   | Technical Architecture is already detailed from page 12 of 25 to 16 of 25 in the Technical Specification (TS) Attachment-V. |
| 4.    | PNMM/PC172/E /IT/001, ATTACHMENT-I | All     | All                       | Evaluation                 | The evaluation is on 3 categories only, namely past project experience, methodology and team member CV. There is no evaluation on the key technology/software for the solution. Request the bidders for a POC by giving all bidders the following:<br>- sample data<br>- demo scenario                                | Provisions of NIT shall prevail.  |
| 5.    | PNMM/PC172/E /IT/001               | NA      | NA                        | Hardware                   | There are no details on the hardware requirement and scope.<br>- HURL's current system architecture<br>- How LSTK's system "link/communicate" with PMO<br>- HURL's preferred hardware architecture (during project and the final handover)<br>- Whose responsibility is to procure, install and maintain the hardware | All the Hardwares and Softwares are in the scope of bidder. For details refer Technical Specifications & Amendment-2        |
| 6.    | PNMM/PC172/E /IT/001               | NA      | NA                        | No Deviation               | Sometimes this is not possible and bidders should be allowed to submit the terms/requirements that are not able to comply with valid reasons. A Non-Deviation form should be one of the documents in the tender.  | Please see annexure-1.05 for No deviation Certificate form  |
| 7.    | PNMM/PC172/E /IT/001               | NA      | NA                        | Handover requirement       | The technical specification does not address the need/requirement for handover.   | Please refer Amendment-2 for Handover details   |
| 8.    | PNMM/PC172/E /IT/001, ATTACHMENT-V | 53      | 1.0 SCOPE OF WORK         | Technical                  | How the "Output for HURL & PDIL" are defined.<br>(a) For e.g. "Key Achievements" where this information come from? Is it calculated?<br>(b) So such information is based on certain formula or to be shown directly from the native source?   | Output shall be based on Scope & deliverables defined in NIT.   |

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| 9.    | PNMM/PC172/E /IT/001, ATTACHMENT-V | 53         | 1.0 SCOPE OF WORK | Technical | MIS is an existing source of data at HURL that will provide data/documents/? to be integrated with the Enterprise Solution. Is this a correct comprehension?,<br>What MIS application is used?<br>Technology/Platform etc.                                       | MIS shall be based on Scope & deliverables defined in NIT.   |
| 10.   | PNMM/PC172/E /IT/001, ATTACHMENT-V | 54,55      | 1.0 SCOPE OF WORK | Technical | Does this requirement says that DMS/Procurement System to be built will have interfacing with DMS/Procurement System in LSTK/non-LSTK office/network/infrastructure?   | Detail scope of integration and technical architecture already defined.  |
| 11.   | PNMM/PC172/E /IT/001, ATTACHMENT-V | 56         | A.2 - iii         | Technical | To generates dashboards - all these info (like - s-cure, schedule status, milestone tracker etc.) readily available in some system or needs to generate through code.  | NIT provisions shall prevail. HURL / PDIL shall facilitate for inputs from various sources   |
| 12.   | PNMM/PC172/E /IT/001, ATTACHMENT-V | 55         | A.4 - 1.a         | Technical | What procurement management system being used by LSTKs?  | Defined in Technical Architecture. However, bidders system should be able to integrate with any procurement management system.   |
| 13.   | PNMM/PC172/E /IT/001, ATTACHMENT-V | 54, 55, 56 | A1, A2, A3, A4    | Technical | What is Ageing Analysis of Drawings and Docs?<br><br>What is meant by Review and analyze the root causes for revisions and submissions?<br><br>What is Monitor the progress on integrated 3D model as the document is transmitted in Document Management System? | Ageing Analysis refers to Analyzing Complete Cycle time of Document submission to approval for all revisions. Complete Cycle All the drawings/documents should be retained in the system throughout the project lifecycle and afterwards as well. All revisions of drawings/documents should be maintained with root cause analysis in the system. Progress to be maintained on 3D model based on actual issuance of drawings/documents through DMS. |
| 14.   | PNMM/PC172/E/IT/001, ATTACHMENT-V  | 55         | A3                | Technical | Roll out of Procurement management system? But this is already existing and the need is to integrate with the enterprise solution!!!   | Bidder to refer detailed Scope and deliverables in NIT.  |
| 15.   | PNMM/PC172/E/IT/001, ATTACHMENT-V  | 57         | A5.c              | Technical | Support in cost management and reporting: Is SAP the cost management system?   | HURL is planning to implement SAP which could be one of the sources for Financial data. However, Financial data can also be provided in other formats as well.   |

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| 16.   | PNMM/PC172/E /IT/001, ATTACHMENT-V | 63   | C   | TECHNICAL REQUIREMENT S     | What is meant by Analytics Dashboard? Need more clarity on 'The Analytics Module should be able to extract data for Dashboard/Reports from all the modules'. What is this module and how will it extract data from the other modules? Is the Analytics module related/part of ECM?  | Already defined in Technical Specification (TS), Attachment-V, Clause C2(b) at Page 15 of 25. |
| 17.   | 1                                  | Attachment I: Pre-Qualification Criteria And Attachment V: Technical Specification | Pre-Qualification Criteria: PQ4 Criteria for Evaluation 1. Evaluation of Technical Proposal | Relevant Project experience | <p><b>Attachment I: Prequalification Criteria:</b><br/> <b>"PQ4:</b> For at least 1 assignment, in the last seven (07) years in India, the bidder should have successfully undertaken assignments (with each assignment either completed or ongoing for at least previous 12 months) pertaining to a. Project dash-boarding, exception generation &amp; development of integrated MIS reporting templates b . Analysis of Engineering, Procurement, Installation program w.r.t base plan, c. Risk Management, d. Project Monitoring &amp; control for large capital Infrastructure projects with project value more than INR 3000 Cr in any of the sector below....."</p> <p>And</p> <p><b>Attachment V: Relevant Project Experience:</b><br/>           "B. Number of consultancy services under taken in India as mentioned in the technical clause "b) For at least 1 Assignment, in the last five years in India, the bidder should have successfully undertaken assignments (with each assignment either completed or ongoing for at least previous 12 months) pertaining to .....</p> <p>C. Number of consultancy services under taken to provide drone based visualization analytics for project management services in India in any of the sectors below....."</p> <p><b>Query:</b> Experience of the Bidder under the IT Integration scope does not mention that the projects to have been under taken in India. As mentioned in PQ5 of Attachment I, overseas resources and expertise can be deployed for</p> | Conditions of PQ4 related to assignment in India shall prevail, further refer Amendment -2    |

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|       |                               |                                       |                  |                             | <p>the project, provided that a certificate mentioning that the bidder would be able to draw international resources/ expertise from their global firms as and when required to fulfil the commitments.</p> <p>Request you to please consider experience of projects executed overseas in the project consultancy services and drone based visualization consultancy services, in PQ4 and for relevant project experience under Criteria for Evaluation of Technical Proposal.</p> |  |
| 18.   | 2                             | Attachment V: Technical Specification | 1. Scope of Work |                             | <p><b>Query:</b> Currently, the list of software being deployed are mentioned in the NIT. Request you to please share the number of users for each mentioned software.</p>   | Please refer Amendment-2                             |
| 19.   | Letter inviting bid           | 5/5                                   | D                | Authorization Letter        | <p>Is there any pre-defined format of the authorization letter?</p> <p>Did the owner insist on a particular definition of authorized person?</p> <p>If yes, then what is the definition?</p>   | Please furnish the same on your company letter head  |
| 20.   | Attachment-1                  | 2/4                                   | PQ1              | Constitution of the Company | Is there anything missing after the word viz.?   | Erroneously word 'Viz.' is there. It may be deleted. |
| 21.   | Attachment-1                  | 2/4                                   | PQ 1.1           | Blacklisted Company         | Does the definition of Indian government include that of State governments as well?  | It includes State Govt. / Undertakings also.         |
| 22.   | Attachment-1                  | 2/4                                   | PQ 4             | Project Citation form       | <p>Should project citation be as per Annexure-IX? (Annexure-IX is Proforma for EMD BG)</p> <p>If No, then which Annexure is referred over here?</p>  | Please refer Amendment-2                             |
| 23.   | Attachment-1                  | 4/4                                   | PQ 5             | Sub-Contracting             | <p>Is the consent supposed to be taken before or after the submission of the bid?</p> <p>If before, then is there a Proforma for consent from the owner?</p> <p>We understand that this will be after submission of bid.</p>   | Shall be after submission of bid.                    |
| 24.   | Attachment-1                  | 4/4                                   | PQ 6             | Client Testimonial          | We understand that the owner shall consider appreciation letter or work completion letter as a client testimonial? Owner shall also accept these letters even though there is no validity date prescribed in the letter?   | NIT provisions shall prevail                         |

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| 25.   | Attachment-II                 | 2/13    | 2.1         | PQ Criteria                             | Is it LIB or ITB?<br>What is LIB?   | LIB is for Letter Inviting Bid  |
| 26.   | Attachment-II                 | 22.11   | 22.11       | Authorization Letter                    | Is there a standard Proforma prescribed for the authorization letter?   | Please furnish the same on your company letter head   |
| 27.   | Attachment-III                | 6/19    | 7.1         | Arbitrator                              | Is the nomination of arbitrator to be done during the time of a dispute occurrence?<br>If no, then Is the nomination of arbitrator to be done during the time of bid submission?<br>If no, then Is the nomination of arbitrator to be done during the time of contract signing? | the provisions of Bid Documents are clear   |
| 28.   | Attachment-III                | 10/19   | 17.4        | NDA                                     | Does the successful bidder sign a Non-Disclosure Agreement with the client?<br>If yes, then is there a Proforma for the same?<br>If yes, can that be shared?  | There are no separate Performa for NDA. However, bidder to comply the provisions of NIT docs.   |
| 29.   | Attachment-III                | 11/19   | 17.7        | Clause No. 13                           | Does the clause 13 mentioned here refer to Clause 13 of the GCC?<br>If no, then this refers to clause 13 of what?   | It should be Cl. 27 in place of cl. 13. Refer Amendment-2   |
| 30.   | Attachment-III                | 12/19   | 24.1        | Notice to Bidder                        | Can the notice period be changed to 90 days?<br>Can change be permitted only after mutual consent between owner and the consultant?   | Shall be as per NIT   |
| 31.   | Attachment-IV                 | 2/10    | 3.1.1.b     | Advance BG                              | Can this BG requirement be changed to 100 % of advance amount.  | Shall be as per NIT   |
| 32.   | Attachment-IV                 | 3/10    | 3.1.2       | Payment terms                           | Can the progressive payment be released in tranches of 20%, 40%, 20% and 10% instead of current 10%, 20%, 50% and 10% respectively?   | Shall be as per NIT   |
| 33.   | Attachment-IV                 | 3/10    | 3.2         | Clarity on Part-B                       | n case if Part-A is delayed, can part-B be started from 3 months of date of award?  | No. In all situation Part B shall always start after completion and acceptance of Part A.   |
| 34.   | Attachment-IV                 | 5/10    | 4.2.1 (4)   | Key Personal                            | Is there anybody in the consultant's team that are not "Key personal"?<br>What is the definition of "Key personal"?   | Key Personnels are defined at Page 9,10 & 11 of Technical Specification (Attachment-V)  |
| 35.   | Attachment-V                  | 8/25    | B (a) & (b) | No. of executive consultant             | Is the number of executive consultants indicated here different from that of Part-B of technical specification in Page NO 8 of 25 and Serial No 5 in Page 10 of 25 in Attachment V?   | Executive Consultant to be read as 04 at Page 10 of 25 of Technical Specification(TS) attachment-V and deployment shall be as per Clause B (a),(b) & © at Page 8 of 25.<br>Also refer Amendment-2 |
| 36.   | Attachment-V                  | 8/25    | B (a) & (b) | Clarity on Boarding / Logistics Support | Does the owner provide the boarding and logistical support to the consultant and his team on a chargeable basis at site and at head office?   | No  |

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| 37.   | ATTACHMENT-V   | Technical Specification<br>Page no.3<br>of 25          | Phase 1 A.1<br>(ii)                                    | Inputs from Client       | Does the owner provide inputs at the time of project award, if no than the roll out shall be delayed by an equal period. Is this acceptable to the owner.<br>Will owner shall provide all the inputs at the time of award of contract - like MDL / API etc.  | Owner/PMC shall facilitate for inputs from various sources in phased manner as and when required. However, timeline of Roll out shall remain unchanged. |
| 38.   | Integration of Engineering Document Management System with 3D modeling | Technical Specification<br>Page no.3                   | Phase 1 A.1<br>(iv)                                    | Mail Server Requirements | Will the owner provide the Mail server settings required for enabling notifications?? Yes or No  | Yes   |
| 39.   | Integration of Engineering Document Management System with 3D modeling | Technical Specification<br>Page no.3                   | Phase 1 A.1<br>(vii)                                   | API                      | Whether EPC/ LSTK/ Non LSTK partners will straight away upload the documents on Bidder platform or resource/ document controller at client end will upload on Bidder's software?   | Bidder shall be facilitated by PMC/Owner in gathering information from various sources.   |
| 40.   | Integration with Procurement management system of LSTK agencies        | Technical Specification<br>Page no.4                   | Phase 1 A.2<br>(i)                                     |                          | Our understanding is that owner shall be responsible for timely arranging the API's required for SPMAT integration.  | Bidder shall be facilitated by PMC/Owner for timely arranging inputs for integration.   |
| 41.   | Integrated MIS Dashboard   | Technical Specification<br>Page no.5                   | Phase 1 A.4<br>(b)                                     |                          | Our Understanding is that SAP API's / Excel output required for Financial status dashboard shall be provided to us by Owner.   | Financial information from SAP /Excel/other formats shall be provided by PMC/Owner.   |
| 42.   | Attachment-IV  | 4 of 10  | 4.1.1  | LD Clause                | Can the Price reduction clause be waived off for this assignment for Part-A?   | Bidder to comply as per NIT   |
| 43.   | Attachment-IV  | 4 of 10  | 4.2.1  | Price Reduction Clause   | Can the Price reduction clause be waived off for this assignment for Part-B?   | Bidder to comply as per NIT   |
| 44.   | Attachment-IV  | 5 of 10  | 4.2.1 (4)  |                          | Can this clause be waived off as we will ensure back-up arrangements / quality delivery at times of any long leaves by any team member.  | Shall be as per NIT   |
| 45.   |  | GCC (6/19),<br>37.2.1,<br>37.2.4<br>SCC (6/10)-<br>5.0 | GCC (6/19),<br>37.2.1,<br>37.2.4<br>SCC (6/10)-<br>5.0 |                          | Please clarify that "Affiliates" mean "Affiliates in India". We need clarification whether the word 'director' in below mentioned declarations refers to Board of Directors or Directors by designation or both and whether the word "partners" in this clause refers to partners or partners by designation or both | Shall be as per NIT   |

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| 46.   | LIMITATION OF LIABILITIES               | GCC (page 16/19) | Clause 33.0 at Page 38      |                | We hereby request you to please replace Clause 33.0 at Page 38 with below mentioned language/ The limitation of liability as proposed in tender document, should be replaced with the following clause :<br>Consultant shall not be liable for any indirect damages arising out of this RFP.<br>Consultant's aggregate liability for direct damages under this RFP shall be limited to 5.0% (Five decimal zero percent) of the total Contract Price paid to them under a specific work order or statement of work | Refer Amendment-2               |
| 47.   | LIABILITY OF THE CONSULTANT             | GCC (13/19)      | clause 25.0 of page 35      |                | Can the Clause 25.0 at Page 35 be waived off?   | Refer Amendment-2               |
| 48.   | SCC                                     | Page 6 of 10     | 6.1                         | Working Papers | As per our policy, we are required to retain our working papers to support the work performed by us. Please confirm the following:<br>"We shall be allowed to retain sufficient documentation as part of our professional records to support and evidence the work performed by us. Such retention shall be subject to obligations of confidentiality mentioned herein  | Bidder understanding is correct |
| 49.   | INSURANCE AND INDEMNIFICATION BY OWNER: | GCC (18/19)      | 37.3.1 of page no 40 in NIT | Insurance      | We do not have an engagement with component of "PLANT and materials" which we have to supply, erect etc. This insurance is not relevant to our engagement. We do not carry this type of insurance.<br>Hence, we request you to please remove this clause.   | Refer Amendment-2               |
| 50.   | GENERAL TERMS AND CONDITIONS            | GCC (19/19)      | 37.3.4. of Page 41          | Insurance      | This clause seems to emanate from 'construction / equipment installation projects' which is not is not a part of our engagement and is irrelevant to our project. If we use any subcontractor then this condition needs to be complied with.<br>Hence, we request you to please remove this clause.   | Refer Amendment-2               |

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| 51.   | TECHNICAL SPECIFICATIO N: Integration of Engineering Document Management System with 3D modeling | TS (3/25)    | Phase 1 A.1.vi page-54  | Level of Integration  | Will the Integration will be Real Time(API Based) or File based?   | Please note that the integration system should support real time as well as File based integration.   |
| 52.   | TECHNICAL SPECIFICATIO N: Integration of Engineering Document Management System with 3D modeling | TS (3/25)    | Phase 1 A.1.vi page-54  |   | Shall the following be provided to the bidder?<br>1. Primavera Version & Release(in case API based integration)<br>2. MS Project Version & Release(in case API based integration required)   | Proposed solution for Integration should be compatible with all versions of Primavera or MSP.<br>For Client's Inputs refer amendment-2                                |
| 53.   | TECHNICAL SPECIFICATIO N: Integration of Engineering Document Management System with 3D modeling | TS (3/25)    | Phase 1 A.1.vii page-54 |   | Does the owner provide the following on Document Management System as per the requirement:<br>1. Version/Release in case of COTS or Packaged solution).<br>2. In case Customized DMS Solution availability of API and compliance to standard protocols like CIFS is required | HURL/PDIL will facilitate for inputs from various sources.<br><br>All Hardwares and Softwares are in the scope of Bidder<br><br>Refer Amendment-2 for Client's Inputs |
| 54.   | TECHNICAL SPECIFICATIO N: Integration with Procurement management system of LSTK agencies        | TS (4/25)    | Phase 1 A2.i page-55    |   | 1. Please provide SPMAT Version & release<br>2. Other Procurement Software: are APIs available?  | Same shall be provided to successful bidder   |
| 55.   | TECHNICAL SPECIFICATIO N (TS)  | page 3 of 25 | A-1 Attachment-V        | No. of licences   | What are the total number of users(Registered) and concurrent users?   | Refer Amendment-2   |
| 56.   | Existing Architecture  |              |                         | Assumption is that for project progress data would come from existing | How is the project financial data flowing in? Is there any ERP existing in HURL from which data extraction is required? Any other Legacy Systems?  | HURL is planning to implement SAP which could be one of the sources for Financial data. However, Financial data can also be provided in other formats as well.        |



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|       |                               |         |  | project management tools like MSP or Primavera                          |  |   |
| 57.   | Software Licensing            |         |  |   | Apart from the softwares mentioned in the RFP, what other softwares & licenses( Reporting & Dash boarding, Data Integration, Database, DMS systems, etc..) available with you? | Already indicated in the System architecture in technical scope of NIT. Please note that all softwares are in the scope of Bidders.<br>Refer Amendment-2 for Client's Inputs                        |
| 58.   | Timeline                      |         | Refer Page 59 - A.2  | Workshop + Design + Implementation in 90days may not yeild best results | Is the 90 days provided for Prototype with 1 MPP/Primavera file? And in first 4 months of phase 2, we would roll out the implementation of DMS/dashboards for all projects?    | Complete Roll out is part of Phase 1 and duration is 90 days.   |
| 59.   | Timeline                      |         |  |   | Considering 3 months of Phase 1, are all requirements freezed?   | Scope of Roll out is already defined.   |
| 60.   | Timeline                      |         | Refer Page 44 - 3.2 & Timelines of Ph 1 & Ph 2 Deliverables as per BOQ |   | Timelines mentioned (from date of award) are with respect to contract award or subsequent phase wise PO award?   | Yes, timelines mentioned are with respect to contract award. For PART-A Work.<br><br>Part-B job shall start after successful completion and acceptance of Work of Part-A.<br><br>Refer Amendment -2 |
| 61.   | Timeline                      |         | Attachment 4, Page 2 of 25, 7 of 25                                    |   | The deliverables for phase 2 are indicated within the timelines of Phase 1 completion, please clarify if Phase 2 also need to run in parallel                                  | Phase 2 will start only after successful completion and acceptance of Phase 1.  |
| 62.   | Analytics                     |         |  |   | Does a Work Breakdown Structure (L1-L4) exist for the 3 Projects in scope? Or designing this is in scope of the bidder?  | Designing L1-L4 is not in bidder's scope . However, integration and analyzing based on the input shall be in scope of the bidder.   |
| 63.   | Analytics                     |         | Refer Phase 2 C.2.b (Page 56)  |   | <i>Confirmation Required:</i><br>We are assuming that following would be the modules for analytics dashboard namely Project Analytics, Safety, Quality, Procurement            | Provisions of the NIT scope shall prevail.<br>No. of reports shall be as per OWNER requirement.   |

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|       |                               |         |                               |         | Management. Assumption is that 5 number of reports would be required per module   |   |
| 64.   | Analytics                     |         | Page 59 A3                    |         | For aerial imagery & analytics, do they currently have any existing systems in place or bidder needs to facilitate infrastructure (Drone hardware) as well?   | Refer Amendment -2 Bidder to arrange everything   |
| 65.   | DMS                           |         | Page 65 C2a                   |         | For integration with application without any APIs, what would be the formats and max size for file interchange.   | Formats will be text, .xls, doc, .xer, .dwg, .ndw, etc.   |
| 66.   | DMS                           |         | Page 66 C2.a.DAM              |         | Assumption is that as per their system architecture, Dashboards, reports would consume data from DMS<br>Conversion of Legacy images to a web ready format - What will be the sources and type of images. Are these 3D BIM, Drawings? And what do you refer to as web ready formats? | As per NIT & Amendments.  |
| 67.   | DMS                           |         | Page 65 Core ECM Capabilities |         | Will the Automatic tagging of documents be done based on upload folios and file extension and not Content?  | Provision of tagging of documents shall be in the upload folios. However, if missing , shall be tagged by Bidder. |
| 68.   | DMS                           |         | Page 63 arch diagram 2        |         | Intranet and internet portals - does this means two diff URLs or same URL with different set of users with Role Based Access Control (RBAC)   | Two different URLs with RBAC  |
| 69.   | DMS                           |         |                               |         | <i>Assumption:</i> ECM capability for rendition is possible only if the capability exists in that software to render outside its own software box   | As per NIT scope of work.   |
| 70.   | DMS                           |         | Page 54. Section A1           |         | Will there be one DMS consolidating all Inhouse DMS systems? New DMS will replace existing Inhouse DMS?   | Different DMS to be integrated in one software by bidder, as per defined scope in NIT.                            |
| 71.   | DMS                           |         |                               |         | How many integrations will be done in total? It is mentioned other legacy apps in the technical architecture. Number of integration point is needed for proper estimation   | Already specified in Technical Specification (Attachment-V) at Pg No. 2 of 25 & 12 of 25.                         |
| 72.   | Bid Submission                |         | Attachment 2, Page 2 of 13    |         | We request you for allowing Joint Ventures / Consortium   | Shall be as per NIT.  |
| 73.   | Bid Submission                |         |                               |         | Along with Oil & Gas, Steel, Power and Fertilizer, Request to add Infrastructure  | As per NIT terms & conditions.  |

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|       |                               |         |                             |         | projects, as the RFP is related to Project Infrastructure Analytics   |  |
| 74.   | Similar Work                  |         |                             |         | Are work done by bidder's global network firm's (PwC US, PwC UK, PwC Poland etc..) similar work POs, Completion Certificate allowed?  | As per NIT terms & conditions.   |
| 75.   | Commercials                   |         | Attachment 4, Page 25 of 25 |         | Please clarify the facilities/logistics provided by HURL at site locations?   | Refer Amendment-2  |
| 76.   | Qualification Criteria        |         | Page 7, PQ2                 |         | CMMI Level 5 and ISO 27001 is preferred by most PSUs. Will more preference be given to CMMI Level 5?  | No additional preferences shall be given.  |
| 77.   |                               |         |                             |         | In phase 1, would you be providing us with the third party licenses required for software APIs during integration or presentation?  | All softwares & hardwares are in bidders scope.  |
| 78.   |                               |         |                             |         | In Phase 2, Should we assume that there will be a small development/support team required to take care of Changes Requested or defect resolution?   | Bidder is responsible for deliverables as defined in scope. Anything required for the same will be responsibility of the bidder. |
| 79.   |                               |         |                             |         | What is the escalation matrix in the HQ and Sites?  | Shall be communicated to successful bidder.  |
| 80.   |                               |         |                             |         | With respect to the Executive Consultant in Phase 2, the expectation is that he be trained in the developed software(as a software professional). But is the expectation also that he should an electronics affiliated person who could run Drones and have understanding of Mechanical or Electricals basically to read different Meters etc. And/or with project management understanding so that he can assess Risks etc? Hope the expectation is not of Engineer/MBA/PM | Qualifications are already defined in Technical Specification (Attachment-V) at Page 10/11 of 25.                                |
| 81.   |                               |         |                             |         | Would the Executive Consultant be provided with the work flow training of the factory(Site)?  | Work Flow shall be shared with successful bidder, if required  |
| 82.   |                               |         |                             |         | Can you please elaborate Phase 1 A1 point xviii?  | Refer Amendment-2  |

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|       | PART/VOL                           | PAGE NO | CLAUSE NO. | SUBJECT  |   |                               |
| 83.   |                                    |         |            |  | Can we assume that all third party software in different Sites have owners who can share us the integration details, though you have mentioned the PMC and LSTK team will support? Our concern is delay and cost overrun due to unavailability (technically or presence).   | Same shall be as per NIT      |
| 84.   |                                    |         |            |  | Under section SPECIAL CONDITIONS OF CONTRACT Point 4.2.2. Can it be a bit flexible and considerate as we all now attrition is a problem and we cannot bond them?  | Shall be as per NIT           |
| 85.   | ATTACHMENT-I PQC                   | 3/4     | PQ5        | The Bidder shall be a single entity.   | Considering integration with different technologies and PMC experience required for project oversight, bidding with Technology partner (OEM) should be allowed. Certificate stating support from OEM will be provided. Experience of OEM on similar should be also considered.  | Shall be as per NIT           |
| 86.   | ATTACHMENT-I PQC                   | 4/4     | PQ6        | The bidder should have a team of minimum 10 Nos. Project Management Professional (PMP) | Please clarify if PMP certification from PMI® is expected. Considering project scope and nature of work please clarify requirement of 10 nos of PMP in the project team.  | Shall be as per NIT           |
| 87.   | GENERAL TERMS AND CONDITIONS (GCC) | 8/19    | 12.0       | Travel expenses, boarding & lodging charges  | All the Travel expenses, boarding & lodging charges, insurance & taxes incurred by the Consultant's personnel for journeys to site or HURL office at Delhi or to HURL projects or anywhere else required to carry out the services under the scope of this assignment,<br><br>Please clarify the places that may be required to be travelled to apart from HURL project sites (Gorakhpur, Sindri and Barauni) and HURL Delhi office. Also indicate expected frequency of such visits. | NIT provisions shall prevail. |

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|       | PART/VOL                           | PAGE NO | CLAUSE NO. | SUBJECT                   |  |                   |
| 88.   | GENERAL TERMS AND CONDITIONS (GCC) | 13/19   | 26.0       | Infringement              | If any alleged infringement or un-authorized use as specified in Paragraph 22.1 is claimed or pursued in courts of Law or otherwise by a third party against the OWNER, the CONSULTANT agrees to fully defend and indemnify OWNER and hold it harmless in respect of any resulting liability.'<br>Cross references in section 26.2 are incorrect. Needs to be corrected.   | Refer Amendment-2 |
| 89.   | GENERAL TERMS AND CONDITIONS (GCC) | 14/19   | 27.1.2     | Termination               | In the event the Owner terminates the Contract in whole or in part, pursuant to para 24.1.1 Cross reference in section 27.1.2 is incorrect. Needs to be corrected.   | Refer Amendment-2 |
| 90.   | GENERAL TERMS AND CONDITIONS (GCC) | 14/19   | 27.3.2     | Termination               | Upon termination of the contract .....the Consultant will be paid for such of those items of work which have been partially completed as per conditions stipulated under clause 23.2.2.'<br>Cross reference in section 27.3.2 is incorrect. Needs to be corrected.   | Refer Amendment-2 |
| 91.   | GENERAL TERMS AND CONDITIONS (GCC) | 15/19   | 30.4       | Force Majeure             | Force Majeure is no one's fault, therefore each party should bear its own cost. If, by virtue of Article 26.2, either Party is prevented...<br>Cross reference in section 30.4 is incorrect. Needs to be corrected.  | Refer Amendment-2 |
| 92.   | GENERAL TERMS AND CONDITIONS (GCC) | 16/19   | 33.3       | Limitation of Liabilities | Notwithstanding anything therein contained elsewhere in this AGREEMENT or implied to contrary:<br>a) Either Party shall in no circumstances be liable in respect of indirect and/ or consequential losses or damages suffered by the other Party in connection with or arising out of AGREEMENT.<br>b) Consultant's total Maximum Liability on all accounts whatsoever of the project shall be limited to 5.0% (Five decimal zero percent) of the total Contract Price. However, this limit of 5.0% shall exclude the following:<br>a) Unlimited Corrective engineering/ engineering review, as applicable, mentioned at Clause 21.1 above and Technical | Refer Amendment-2 |

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|       | PART/VOL                             | PAGE NO | CLAUSE NO. | SUBJECT                |   |  |
|       |                                      |         |            |                        | <p>Specifications.<br/>                     b) Liability towards any patent infringement by CONSULTANT.<br/>                     Please clarify<br/>                     a) Unlimited Corrective engineering/ engineering review, as applicable, mentioned at Clause 21.1 above and Technical Specifications.<br/>                     Engineering / correction of engineering deliverables is not part of current scope of work.</p>   |  |
| 93.   | SPECIAL CONDITIONS OF CONTRACT (SCC) | 3/10    | 3.1.2; 4.0 | Progressive Payment    | <p>On expiry of 12 months period after successful completion of Rollout as per Scope of Services covered under PART_A and certification of Engineer – in –charge that the performance of scope of services covered under Part-B as per Technical Specification (TS) i.e. ATTACHMENT- V are within the target time specified at clause 4.2 below.<br/>                     Clause 4.2 already has provision of payment penalties against delay in meeting SLA so payment against scope of work of Part-A should not be linked to services covered under Part-B. 10% payment to be paid after 12 months period after successful completion of Rollout as per scope of Services under Part-A.</p>        | Refer Amendment-2  |
| 94.   | SPECIAL CONDITIONS OF CONTRACT (SCC) | 4/10    | 4.1.1      | <b>PRICE REDUCTION</b> | <p>The provisions of Price reduction clause as specified in CL. NO. 16.0 OF GCC shall be applicable as below:<br/>                     In the event of delay in completion of the services /work beyond the contractual completion period , price reduction @ 0.5% of the value of Part-A work per complete week of delay or thereof, subject to maximum 5 % of total value for Part-A Work, shall be recovered from the total value of Part -A work.<br/>                     Price reduction clause should not consider delays due to events not under control of bidder. Few examples - delayed inputs from Owner/PMC, delayed approvals from Owner/PMC, non availability of site access, etc.</p> | Referred cl. Is 4.2.1 not 4.1.1 PI. refer cl. No. 16 of GCC , which pertains to delay for reasons attributable to consultant / contractor only |

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|       | PART/VOL                             | PAGE NO | CLAUSE NO. | SUBJECT                                      |  |  |
| 95.   | SPECIAL CONDITIONS OF CONTRACT (SCC) | 4/10    | 4.1.2      | -  | If the solution is unavailable either due to software bug or cloud unavailability and blocks the execution of the primary business process.<br>1. Provision of cloud is in Owner scope so this clause is not applicable.<br>2. Target days SLA and corresponding Price reduction to be discussed as there are multiple OEMs may be involved in the overall solution. | Cloud is in Bidder's scope             |
| 96.   | SPECIAL CONDITIONS OF CONTRACT (SCC) | 5/10    | 4.2.2      | Penalty for Project Team Changes / Attrition | Bidder do not intent to change team during project lifecycle however in case of unforeseen situation suitable replacement will be provided in consultation and approval from PMC/Owner. The replacement will be done with proper handover.<br>Clause 4.2.2 to be deleted.  | Provisions of NIT shall prevail        |
| 97.   | TECHNICAL SPECIFICATION (TS)         | 8/25    | B.c        | TEAM DEPLOYMENT FOR PART-B JOB               | c) Contractor may have to engage additional resources, if required, for performance of the Contract to the satisfaction of OWNER. Part-B scope is Time & Material. Any additional resource requirement will be considered as change order and processed as per quoted SOR.   | Provisions of NIT shall prevail        |
| 98.   | -                                    | -       | -          | -  | Training for following:<br>1. Integration of Engineering Document Management System<br>2. Integration of Procurement management System Integrated<br>3. MIS Dashboard Tool<br>Please specify training location, training duration, number batches and total number of participants per batch to be trained   | Shall be shared with successful bidder |

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|       | PART/VOL                      | PAGE NO | CLAUSE NO. | SUBJECT  |  |  |
| 99.   | TECHNICAL SPECIFICATIO N (TS) | 3/25    | A.1 xix    | Owner shall provide the "basis necessary" infrastructure to run the software | Owner/PMC is requested to confirm following: Please confirm that "Basis necessary Infrastructure" includes necessary hardware (e.g. Servers, Network devices, Server Racks, UPS, Backup devices etc. ) and all Software required such as OS , Antivirus,RDBMS, etc. required to run the solution offered by the bidder. The HW and SW will be available at DC & DR sites.<br>Confirm that HW/SW needed for test environment shall be provided by Owner/PMC<br>The network connectivity needed between HQ and 3 Complexes shall be part of basic infrastructure provided by Owner/PMC.<br>The required infrastructure shall be made available by Owner / PMC at HQ and 3 Fertilizer complexes (Gorakhpur , Sindri and Barauni) at the time of issue of LOI. | Refer Amendment-2.<br>All Hardwares and Softwares are in the Scope of Bidder |
| 100.  | TECHNICAL SPECIFICATIO N (TS) | 3/25    | A.1 xix    | Owner shall provide the "basis necessary" infrastructure to run the software | Please provide bandwidth details for network connectivity between HQ and each of site offices(Gorakhpur,Sindiri,Barauni). How much shall be made available for the proposed solution.  | Refer Amendment-2  |
| 101.  | TECHNICAL SPECIFICATIO N (TS) | 3/25    | A.1 viii   | Providing Engineering process and status updates in predefined dashboards    | Document status update can be derived from the DMS And 3D integration.<br>However providing engineering process and status updates will be possible only to the extent possible as supported by underlying 3D system , level of detail in 3D model , work processes followed by LSTK contractors.<br>Since there are more than one contractor involved which may have different work processes only common work processes status updated may be possible.<br>Considering above Owner is requested to elaborate more on the aspect of engineering process it intends to capture status on   | Shall be as per NIT  |



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|       | PART/VOL                      | PAGE NO | CLAUSE NO.   | SUBJECT                                      |   |  |
| 102.  | TECHNICAL SPECIFICATIO N (TS) | 3/25    | A.1 xii      | -  | Review and analyze the root causes for revisions and submissions<br>Confirm that this is part of Business Process management services (Part B) and not the functionality needed from the proposed solution.   | Bidder to propose solution as per NIT.   |
| 103.  | TECHNICAL SPECIFICATIO N (TS) | 4/25    | A.2 v        | -  | Review and analyze the root causes for delay in Procurement and delivery of the items for respective project.<br>Confirm that this is part of Business Process management services (Part B) and not the functionality needed from the proposed solution.  | Bidder to propose solution as per NIT.   |
| 104.  | TECHNICAL SPECIFICATIO N (TS) | 13/25   | C.2 a        | Enterprise Content Management system         | Bidder understands that the owner intends to implement ECM solution along with the integrations as described in Part A of the Technical Specification document. Please confirm.   | Bidder to propose solution as per NIT. ECM is required as a functional module.   |
| 105.  | TECHNICAL SPECIFICATIO N (TS) | 17/25   | C.4 Bullet 3 | -  | A reliable Relational Database Management System (RDBMS) should be used for storing Metadata information used by the ECM apart from other OLTP requirement<br>Owner is requested to provide details of OLTP requirements as referred in the bullet.   | Bidder to propose solution as per NIT. The bidder should use a reliable industry standard RDBMS for the proposed Solution. |
| 106.  | TECHNICAL SPECIFICATIO N (TS) | 4/25    | A.2 vii      | d. Roll out of Procurement management system | Bidder understands that the roll out is of Integrated Procurement management functionality as outlined in Section A.2 and not complete procurement management system. Please Confirm  | Bidder to propose solution as per NIT.   |
| 107.  | TECHNICAL SPECIFICATIO N (TS) | 4/25    | A.3 i        | -  | Advanced visualization-based program and project level analytics with aerial imagery incorporating project metrics, along with analysis and catch up opportunities, providing virtual access and actionable insights to senior management<br>Confirm that necessary imagery input to the visualization-based program is not in scope of IESP.<br>Please confirm that the Drone needed to take imagery are not part of scope of supply<br>Please provide format of drone images that will be provided. | Refer NIT provisions and Amendment-2   |

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|       | PART/VOL                      | PAGE NO | CLAUSE NO. | SUBJECT   |  |                           |
| 108.  | TECHNICAL SPECIFICATION (TS)  | 3/25    | A.1 Xiii   | :   | Provide tools for engineering progress monitoring on 3D model with following capabilities  | Scope well defined in NIT |
| 109.  |                               | 3/25    | A.1 Xiii   | Update the progress in 3D model as the document gets reviewed / approved in DMS             | Please confirm that the engineering progress update will be made only for tagged items such as equipment, Instruments and pipelines. Bulk Items such as Piping Components , Structural items progress shall not be updated in the model.<br>Please confirm that breakup of progress for each tagged item shall be provided by HURL as input for DMS update.  | Scope well defined in NIT |
| 110.  |                               | 3/25    | A.1 Xiii   | Update the progress in DMS as 3D model is built   | Please confirm that the DMS progress update will be made only for tagged items such as equipment, Instruments and pipelines. Progress of bulk Items such as Piping Components , Structural items modelled will not be updated in the DMS.<br>Please confirm that breakup of progress for each tagged item shall be provided by HURL as input for DMS update. | Scope well defined in NIT |
| 111.  |                               | 3/25    | A.1 Xiii   | 3D model shall reflect the actual vs planned engineering progress                           | Please confirm that the engineering progress update will be made only for tagged items such as equipment, Instruments and pipelines. Bulk Items such as Piping Components , Structural items progress shall not be updated in the model.<br>Please confirm that summary progress for each tagged item shall be provided by HURL as input for integration.    | Scope well defined in NIT |
| 112.  | TECHNICAL SPECIFICATION (TS)  | 3/25    | A.1 xiv    | Tag documents and drawings to components on 3D model  | Please confirm that Tagging of Documents and drawing to 3D model is limited to Named Items (Item having Tag Number)  | Scope well defined in NIT |
| 113.  | TECHNICAL SPECIFICATION (TS)  | 3/25    | A.1 xviii  | System provided by the bidder shall include cost of 60 Nos. license, storage, software etc. | Please confirm that Total number of licenses is sum of various features of solution and not for all the features of the solution.  | Scope well defined in NIT |

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|       | PART/VOL                      | PAGE NO | CLAUSE NO. | SUBJECT  |   |   |
| 114.  | TECHNICAL SPECIFICATIO N (TS) | 3/25    | A.1 xviii  | System provided by the bidder shall include cost of 60 Nos. license, storage, software etc.  | Please confirm the 60 nos. licenses are for users from all locations : HQ and 3 sites. How many Admin ( view + Edit) and User licenses ( only View) is required . Please confirm.   | Refer Amendment-2   |
| 115.  | TECHNICAL SPECIFICATIO N (TS) | 3/25    | A.1 xviii  | System provided by the bidder shall include cost of 60 Nos. license, storage, software etc.  | Please clarify storage and software. Storage should be part of basic infrastructure to be provided by Owner/PMC. Simialrly all software other than solution components to be provided by Owner/PMC.   | Refer Amendment-2 for Client's Input  |
| 116.  | TECHNICAL SPECIFICATIO N (TS) | 4/25    | A.2 i      | Integration with SPMAT / other procurement software of LSTK for continuous updating of procurement status for OWNER based on As-Is assessment. | Please clarify other procurement software used by LSTK. Integration is possible subject to integration capabilities and features supported by 'other' procurement software and SPMAT.   | It will be provided to the successful bidder  |
| 117.  | TECHNICAL SPECIFICATIO N (TS) | 4/25    | A.2 i      | Integration with SPMAT / other procurement software of LSTK for continuous updating of procurement status for OWNER based on As-Is assessment. | The data in the SPMAT/Other procurement software shall be populated and maintained by HURL. IESP shall collect this data as needed to fulfill the requirements set in the Scope of work.<br><br>Owner scope of supply include API for integration purpose however the underlying software are required for functioning of the API's hence please confirm that Owner shall provide underlying software such as SPMAT; SHOKA, INTERGRAPH, PDMS, SP3D, AVEVA etc. being used by LSTK/ Non –LSTKs at no cost. | Bidder will get all data from LSTK through APIs / other formats<br><br>PMC/Owner will facilitate for inputs from various sources.<br><br>OWNER will not maintain and provide any Hardware and Software. |

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|       | PART/VOL                      | PAGE NO | CLAUSE NO.                          | SUBJECT                                   |  |   |
| 118.  | TECHNICAL SPECIFICATION (TS)  | 4/25    | A.2 iv                              |   | Ageing analysis of various steps from Purchase Requisition to Purchase Order and further manufacturing & supply steps as captured in SPMAT for all major supplies<br>Please confirm that the report is to be produced for LSTK-1 contractor only (using SPMAT).<br>Please categories of items that will be considered as major supplies. | SPMAT is one of the software. Please follow NIT.                                      |
| 119.  | TECHNICAL SPECIFICATION (TS)  | 4/25    | A.2 S.No. d of table under item vii | Roll out of Procurement management system | Please confirm that the rollout referred is of the Integration functionality developed by IESP as per requirement set in Scope of work outlined in section A.2 of NIT and not of the entire procurement management system.   | Scope well defined in NIT   |
| 120.  | TECHNICAL SPECIFICATION (TS)  | 25/25   |                                     | General                                   | Please confirm that based on As-Is Assessment any additional data , data massaging shall be done by HURL and will be provided as input.  | Provisions of NIT shall prevail.  |
| 121.  | TECHNICAL SPECIFICATION (TS)  | 25/25   |                                     | General                                   | Please provide Number drawings documents expected from each LSTK contractor  | For One site , Approx 16000 documents with Average two revisions per document         |
| 122.  | TECHNICAL SPECIFICATION (TS)  | 3/25    | 1.0                                 | System Diagram                            | PDIL to specify all existing tools used by Owner, PDIL, LSTK and Non-LSTK contractors where the data to be integrated in the Solution. e.g tools for Aveva, Intergraph SPPID , SPI , SPEL etc, In-House DMS, procurement management system, cost management systems and output data format available.                                    | All software's spelt in NIT and final list will be provided to the successful Bidder. |
| 123.  | TECHNICAL SPECIFICATION (TS)  | 3/25    | A.1 Vii                             | -   | Integration with other LSTK / Non LSTK Document Management System for seamless document flow.<br>Specify the in-house DMS systems in use at HQ and sites.  | Data will be provided mainly in Excel / Winword / Primavera/ EDMS, etc.               |
| 124.  | TECHNICAL SPECIFICATION (TS)  | 18/25   | 5.0                                 | HELP DESK:                                | Help Desk support shall be provided at two levels namely L1 and L2.<br><br>PDIL to specify the duration of Helpdesk support required. Specify start and end dates for the Help Desk Support  | Helpdesk support shall be required throughout the project.                            |
| 125.  | Attachment V - TS             |         |                                     | General                                   | Can Bidder participate for all 2 phases or any one of the phase.   | All Phases As per NIT.  |

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|       | PART/VOL                         | PAGE NO | CLAUSE NO. | SUBJECT                                   |  |   |
| 126.  | INSTRUCTION TO BIDDERS (ITB)     | 7/13    | 13.0       | EARNEST MONEY DEPOSIT (EMD) /BID SECURITY | Two different amount is mentioned in the EMD Rs. 8,59,000/- and Rs.8,75,000. Please confirm , what is the EMD amount   | shall be Rs. 8,75,000/- amendment 1 already issued in this regard   |
| 127.  | PRE-QUALIFICATION CRITERIA (PQC) | 2/4     | PQ 4       | -   | Project Citation as per Annexure-IX supported with Work Order /Client certificates/ any other supporting Documentary evidence. Annexure –IX is not available in the tender. Please provide the details .   | Refer Amendment-2   |
| 128.  | PRE-QUALIFICATION CRITERIA (PQC) | 2/4     | -          | -   | copy of Audited Annual Financial Statements submitted in bid shall be duly certified / attested by Notary Public with legible stamp Our Financial statements are published one. Please confirm, whether it is required Notary  | The published Financial statement which is duly audited by CA, is acceptable.                               |
| 129.  | INSTRUCTION TO BIDDERS (ITB)     | 5/13    | 13         | -   | <p>Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF/xls/rar/zip/dwf formats. If there is more than one document, they can be clubbed together and can be provided in the requested format. Each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip/rar and the same can be uploaded, permitted. Bidder Bid documents may be scanned with 100 dpi with black and white option. However of the file size is less than 1 MB the transaction uploading time will be very fast.</p> <p>File size limitation issue: Bidder have past experience of online documents submission. e-portal shows only one pdf file for Techno-Commercial Bid having file size of 2 MB. We feel that it will come more than 2 MB after zip / compressed ...</p> <p>Please advise, could you please create additional file structure in the e-tender site will help us to attach rest of the documents i.e., PQ documents , Technical Documents and another documents .</p> | Shall be as per updated e-portal provisions. It has sufficient provisions to bid very large file sizes too. |

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|       | PART/VOL                           | PAGE NO | CLAUSE NO. | SUBJECT                     |  |   |
| 130.  | GENERAL TERMS AND CONDITIONS (GCC) | 8/19    | 12.0       | TRAVEL EXPENSES             | All the Travel expenses, boarding & lodging charges, insurance & taxes incurred by the Consultant's personnel for journeys to site or HURL office at Delhi or to HURL projects or anywhere else required to carry out the services under the scope of this assignment, will be borne by the Consultant and shall be included in the bid price.<br>Bidder understands that the consultant shall carry out the execution at HURL Delhi office and projects at Gorakpur , Barauni and Sindri only.<br>This tender clause says anywhere else also<br>Please clarify anywhere means | Bidder understanding is correct   |
| 131.  | TECHNICAL SPECIFICATION (TS)       | 8/25    |            | DEPLOYMENT AT HEADQUARTERS: | Where to include the expenses / prices for deployment Project Manager and Executive Consultant at HQ in the price sheet.<br>There is no separate line item in the Part-B of price schedule.<br>Please confirm.   | Monthly rate to be quoted shall include cost of all deliverables of PART-B as per scope including deployment at HQ. |
| 132.  | GENERAL TERMS AND CONDITIONS (GCC) | 13/19   | 25.1       | -                           | Should any defect or inadequacy appear in rendering the services by the Consultant prior to the date of final acceptance of the work and release of Contract Performance Guarantee by the Owner, the Consultant shall perform at its own initiative and free of any cost to HURL, all such services as shall be necessary to remedy the said defect or inadequacy.<br>Please confirm the Performance Guarantee period . We understands that it is only for Part-A scope of services.   | Refer clause 10.1 of GCC..  |
| 133.  |                                    |         |            | General                     | Bid submission extension is required for 4 -6 weeks , due to scope clarity and documents compilation   | Refer amendment-2   |