

AMENDMENT-2
NIT NO. : PNMM/PC172/E/IT/001

THE TERMS AND SPECIFICATIONS OF THE TENDER DOCUMENT STAND MODIFIED TO EXTENT DESCRIBED UNDER COLUMN "AMENDMENT/ CLARIFICATIONS". ALL OTHER TERMS AND CONDITIONS AND SPECIFICATIONS OF THE TENDER DOCUMENT REMAIN UNCHANGED.

S. No.	Bidding Document			Subject	Existing Clause / Description		Amendment/ Clarifications			
	Chapter / Description	Page No.	Clause No.							
1.	LETTER INVITING BID	Page 3 of 5	C.7 & 8.	Salient Features of NIT	7.	Due Date & Time for Submission of Techno- Commercial Bid and Priced Bid (ONLINE through CPP)	10.09.2018, 15:00 Hrs	7.	Due Date & Time for Submission of Techno- Commercial Bid and Priced Bid (ONLINE through CPP)	19.09.2018, 15:00 Hrs
					8.	Date & Time of opening of EMD and Techno- Commercial Bid at PDIL, NOIDA	11.09.2018, 15:00 Hrs	8.	Date & Time of opening of EMD and Techno- Commercial Bid at PDIL, NOIDA	20.09.2018, 15:00 Hrs
2.	PRE-QUALIFICATION CRITERIA (PQC)	Page 2 of 4	PQ 4	PROJECT CITATION FORM	Project Citation as per Annexure-IX supported with Work Order /Client certificates any other supporting documentary evidence.		Project Citation as per Annexure-1.01 supported with Work Order /Client certificates/ any other supporting documentary evidence.			
3.	PRE-QUALIFICATION CRITERIA (PQC)	Page 3 of 4	PQ4	EXPERIENCE OF SIMILAR WORK	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 disharding, exception generation & development of integrated MIS reporting templates b . Analysis of Engineering, Procurement, Installation program w.r.t base plan, c. Risk Management, d. Project Monitoring & control for large capital Infrastructure projects with project value more than INR 3000 Cr in any of the sector below :- <ul style="list-style-type: none"> • Fertilizer Sector • Oil & Gas sector • Steel Sector • Power(Generation/ Transmission) Sector The project shall be of green field or brown field nature. Experience of similar work should be either of the following: one(01) similar project of value INR 5.6 crore OR Two(02) similar projects of value INR 3.5 crore Each OR Three(03) similar projects of value INR 2.8 crore each		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 dashboarding, exception generation & development of integrated online MIS reports generation b . Analysis of Engineering, Procurement, Installation program w.r.t. primavera base schedule, c. Risk Management, d. Project Monitoring & control for capital Infrastructure projects in any of the sector below :- <ul style="list-style-type: none"> • Fertilizer Sector • Oil & Gas sector • Steel Sector • Power(Generation/ Transmission) Sector The project shall be of green field or brown field nature. Experience of similar work should be either of the following: one(01) similar project of value INR 5.6 crore OR Two(02) similar projects of value INR 3.5 crore Each OR Three(03) similar projects of value INR 2.8 crore each			
4.	INSTRUCTION TO BIDDERS (ITB)	Page 2 of 13	4.0	TIME SCHEDULE	EFFECTIVE DATE OF CONTRACT: shall be the date of issuance of LOI (Letter of Intent) by the Owner. The basic consideration and essence of the Contract is the strict adherence to the time schedules for performing the specified works as stipulated in the Contract.		EFFECTIVE DATE OF CONTRACT: shall be the date of issuance of LOI (Letter of Intent) by the Owner for PART_A Work. As regards PART-B Work (The effective date for start of job for Part- B shall commence from completion and acceptance of PART- A job),in this regard, the following may also be noted: The tentative completion period of this job is presently envisaged as November 2020 for Gorakhpur project and January 2021 for Barauni and Sindri Projects in line with the mechanical completion schedule of these projects. Accordingly, No. of Months in SOR are specified as 22 months for Gorakhpur and 24 months for Barauni and Sindri Projects. However, depending upon the actual Mechanical Completion of these Projects, no. of Months may vary, for which Contractor has to continue the job at the same rates for an additional period (maximum upto Six months), if required.			
5.	GENERAL TERMS AND CONDITIONS (GCC)	Page 04 Of 19	3.1	FRAUD AND CORRUPT PRACTICES	The bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the bidding Process. Notwithstanding anything to the contrary contained herein, GNIDA may reject any submitted bid without being liable in any manner whatsoever to the bidder if it determines that the bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the bidding Process.		The bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the bidding Process. Notwithstanding anything to the contrary contained herein, OWNER / PDIL may reject any submitted bid without being liable in any manner whatsoever to the bidder if it determines that the bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the bidding Process.			

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6.	GENERAL TERMS AND CONDITIONS (GCC)	Page 05 Of 19	3.5 (d)	FRAUD AND CORRUPT PRACTICES	"Undesirable practice" means establishing contact with any person connected with or employed or engaged by GNIDA with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the bidding Process;	"undesirable practice" means establishing contact with any person connected with or employed or engaged by OWNER / PDIL with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the bidding Process;
7.	GENERAL TERMS AND CONDITIONS (GCC)	Page 05 Of 19	4.1	CONFLICT OF INTEREST	HURL requires the bidders to provide professional, objective, and impartial advice and at all times hold GNIDA's interests paramount	HURL requires the bidders to provide professional, objective, and impartial advice and at all times hold OWNER / PDIL 's interests paramount
8.	GENERAL TERMS AND CONDITIONS (GCC)	Page 06 Of 19	4.4 (d)	CONFLICT OF INTEREST	Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of GNIDA regarding this bidding process; or	Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of OWNER / PDIL regarding this bidding process; or
9.	GENERAL TERMS AND CONDITIONS (GCC)	Page 11 Of 19	17.7	HANDLING OF DOCUMENTS/ CONFIDENTIALITY	Except as otherwise prescribed in any Confidentiality Agreement with third parties, the obligations set forth in Clause 13 shall survive termination of this Contract.	Except as otherwise prescribed in any Confidentiality Agreement with third parties, the obligations set forth in Clause 27 shall survive termination of this Contract.
10.	GENERAL TERMS AND CONDITIONS (GCC)	Page 11 Of 19		New clause 17.8 to be inserted		17.8 OWNER/PDIL has already signed NDA with various LSTK Vendors for the three Projects / may sign NDA (Non disclosure agreement) with other Vendors too. Bidder to abide by the provisions of NDAs. Further LSTK agencies may ask bidder to sign NDA with them before sharing the inputs. In such a situation Bidder to abide for signing the NDAs.
11.	GENERAL TERMS AND CONDITIONS (GCC)	Page 13 Of 19	26.2	PATENT INFRINGEMENT INDEMNIFICATION	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.	If any alleged infringement or un-authorized use as specified in Paragraph 26.1 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.
12.	GENERAL TERMS AND CONDITIONS (GCC)	Page 14 Of 19	27.1.2	TERMINATION	In the event the Owner terminates the Contract in whole or in part, pursuant to para 24.1.1	In the event the Owner terminates the Contract in whole or in part, pursuant to Para 27.
13.	GENERAL TERMS AND CONDITIONS (GCC)	Page 14 Of 19	27.3.2	TERMINATION	Upon termination of the contractthe 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.	Upon termination of the contractthe Consultant will be paid for such of those items of work which have been partially completed as per conditions stipulated under clause 27.2.2.
14.	GENERAL TERMS AND CONDITIONS (GCC)	Page 15 Of 19	29.1	SUSPENSION OF THE OBLIGATION	The obligations stipulated in this specification can only be suspended in the case of any particular item or work, in the event of Force Majeure as defined in Clause 26.0 or as the result of an agreement between the parties.	The obligations stipulated in this specification can only be suspended in the case of any particular item or work, in the event of Force Majeure as defined in Clause 30.0 or as the result of an agreement between the parties.
15.	GENERAL TERMS AND CONDITIONS (GCC)	Page 15 Of 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...	Force Majeure is no one's fault, therefore each party should bear its own cost. If, by virtue of Article 30.2 , either Party is prevented...
16.	GENERAL TERMS AND CONDITIONS (GCC)	Page 16 Of 19	33.0	LIMITATION OF LIABILITIES	Notwithstanding anything therein contained elsewhere in this AGREEMENT or implied to contrary: 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. 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: a) Unlimited Corrective engineering/ engineering review, as applicable, mentioned at Clause 21.1 above and Technical Specifications. b) Liability towards any patent infringement by CONSULTANT.	Notwithstanding anything therein contained elsewhere in this AGREEMENT or implied to contrary: 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. 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: a) Corrective measures / Applications / etc., as applicable upto Maximum of 100% of the Contract value , with reference to Clause 33.1 above and Technical Specifications

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						b) Liability towards any patent infringement by CONSULTANT.
17.	GENERAL TERMS AND CONDITIONS (GCC)	Page 18 Of19	37.2.4	INDEMNIFICATION	SUBCONTRACTORS: CONSULTANT shall ensure that its subcontracts contain indemnification provisions in favor of OWNER, its Affiliates and any co-ventures and their respective officers, directors, employees, servants, CONSULTANTS and agents no less beneficial than those of clause 33.2.1 and 33.2.2.	SUBCONTRACTORS: CONSULTANT shall ensure that its subcontracts contain indemnification provisions in favor of OWNER, its Affiliates and any co-ventures and their respective officers, directors, employees, servants, CONSULTANTS and agents no less beneficial than those of clause 37.2.1 and 37.2.2.
18.	GENERAL TERMS AND CONDITIONS (GCC)	Page 18 Of19	37.3.1	INSURANCE AND INDEMNIFICATION BY OWNER:	OWNER shall take out or cause its Contractors to take out and maintain insurance for the PLANT and materials for incorporation therein against "All Risks" of loss or damage, to the full replacement value thereof, in accordance with good international practice. Such insurance shall be in OWNER's name and OWNER shall be the loss payee. Cover shall be provided for materials in transit to the site. In the event of any loss or damage, CONSULTANT shall assist OWNER in preparing the insurance claim to be submitted by OWNER, and shall provide services as necessary to re-procure lost or damaged materials and to require Contractors to repair, replace or reconstruct the damaged part of the PLANT, all such services, materials and construction being at OWNER's cost. OWNER shall, to the extent reasonably possible, procure that its insurers under such insurance policies waive their rights of subrogation against CONSULTANT.	Deleted
19.	GENERAL TERMS AND CONDITIONS (GCC)	Page 19 Of19	37.3.4.	Insurance	The CONSULTANT shall further develop the insurance programme for the Project, and shall ensure that appropriate provisions are inserted into all contracts with Contractors and Vendors, including a "Mutual Hold Harmless" provision whereby each Contractor or other party working on the Site undertakes to bear all liability for loss, damage or injury to its personnel and its property, and to indemnify and hold OWNER, CONSULTANT, and all other contractors harmless from any claim that may arise from such loss, damage or injury.	Deleted
20.	SPECIAL CONDITIONS OF CONTRACT (SCC)	Page 02 Of 10	1.0	TIME SCHEDULE	EFFECTIVE DATE OF CONTRAT: shall be the date of issuance of LOI (Letter of Intent) by the Owner. The basic consideration and essence of the Contract is the strict adherence to the time schedules for performing the specified works as stipulated in the Contract.	EFFECTIVE DATE OF CONTRACT: shall be the date of issuance of LOI (Letter of Intent) by the Owner for PART_A Work. As regards PART-B Work (The effective date for start of job for Part- B shall commence from completion and acceptance of PART- A job),in this regard, the following may also be noted: The tentative completion period of this job is presently envisaged as November 2020 for Gorakhpur project and January 2021 for Barauni and Sindri Projects in line with the mechanical completion schedule of these projects. Accordingly, No. of Months in SOR are specified as 22 months for Gorakhpur and 24 months for Barauni and Sindri Projects. However, depending upon the actual Mechanical Completion of these Projects, no. of Months may vary, for which Contractor has to continue the job at the same rates for an additional period (maximum upto Six months), if required.
21.	SPECIAL CONDITIONS OF CONTRACT (SCC)	Page 03 Of 10	3.1.2 SL.NO.. 2.0		Completion of all the Demonstration for following activities : Integration of Engineering Document Management System Integration of Procurement management System Integrated MIS Dashboard Tool	Completion of all the Demonstration for following activities : <ul style="list-style-type: none"> ➤ Integration of Engineering Document Management System ➤ Integration of Procurement management System ➤ Integrated MIS Dashboard Tool ➤ Drone based Visual Reporting overlaid with project information, insights and actions.
22.	SPECIAL CONDITIONS OF CONTRACT (SCC)	Page 03 Of 10	3.1.2 SL.NO.. 3.0		Roll-out including Training for all of the following activities : Integration of Engineering Document Management System Integration of Procurement management System Integrated MIS Dashboard Tool	Roll-out including Training for all of the following activities : <ul style="list-style-type: none"> ➤ Integration of Engineering Document Management System ➤ Integration of Procurement management System ➤ Integrated MIS Dashboard Tool

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	Chapter / Description	Page No.	Clause No.			Sr. No. (a)	Measurement (b)	Definition (c)	Target (d)	Price Reduction (e)																							
						➤ Drone based Visual Reporting overlaid with project information, insights and actions.																											
23.	SPECIAL CONDITIONS OF CONTRACT (SCC)	Page 03 Of 10	3.1.2 SL.NO.. 4.0		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.	On expiry of 12 months period after successful completion of Rollout as per Scope of Services covered under PART_A Work and Ongoing satisfactory performance of scope of services covered under Part-B Work.																											
24.	SPECIAL CONDITIONS OF CONTRACT (SCC)	Page 05 Of 10	4.2.1	New sl. No. 5. is inserted after sl. No. 4.	-	5.	Deliverables related to DRONE Component	Non execution of DRONE component of the deliverables under PART_B WORK	As specified in deliverables	Rs. 1,00,000/- per instance of non execution per site																							
25.	TECHNICAL SPECIFICATION (TS)	Page 02 Of 25	1.0		SCOPE OF WORK (Integrated System)	SCOPE OF WORK for Web based Online Integrated System																											
26.	TECHNICAL SPECIFICATION (TS)	Page 03 Of 25	A.1 , xviii		System provided by the bidder shall include cost of 60 Nos. license, storage, software etc.	System provided by the bidder shall include cost of 60 Nos. licenses to be provided to OWNER, Cloud based Storage (Approximately. 06 TB for all three Projects), all applicable hardwares and softwares etc.. Bidder to also include cost of providing 6 nos licenses of Primavera and 6 nos. Licenses of Navis Works for OWNER use. All the licenses shall be in the Name of OWNER.																											
27.	TECHNICAL SPECIFICATION (TS)	Page 03 Of 25	A.1 , xix		Owner shall provide the basis necessary infrastructure to run the software.	Owner / client shall only provide the Inputs to the extent defined at Sl. No. 38 below under heading CLIENT's INPUTS.																											
28.	TECHNICAL SPECIFICATION (TS)	Page 04 Of 25	A.3 1.a)		<table border="1"> <thead> <tr> <th>S. No.</th> <th>Deliverables as per BOQ</th> <th>Timeline (from the date of award)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Visual Reporting overlaid with project information, insights and actions</td> <td></td> </tr> <tr> <td>a.</td> <td>Visualization Report such as Drone Review Reports:</td> <td></td> </tr> <tr> <td></td> <td>i) Demonstration of Visualization Report</td> <td>31 days</td> </tr> <tr> <td></td> <td>ii) At desired frequency and providing in-depth analytics and recommendations</td> <td>Ongoing basis</td> </tr> </tbody> </table>	S. No.	Deliverables as per BOQ	Timeline (from the date of award)	1.	Visual Reporting overlaid with project information, insights and actions		a.	Visualization Report such as Drone Review Reports:			i) Demonstration of Visualization Report	31 days		ii) At desired frequency and providing in-depth analytics and recommendations	Ongoing basis	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Deliverables as per BOQ</th> <th>Timeline (from the date of award)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Visual Reporting overlaid with project information, insights and actions</td> <td></td> </tr> <tr> <td>a.</td> <td>Visualization Report using Drone:</td> <td></td> </tr> <tr> <td></td> <td>i) Demonstration of Visualization Report (For any one project site i.e Gorakhpur / Barauni / Sindri)</td> <td>60 days</td> </tr> </tbody> </table>	S. No.	Deliverables as per BOQ	Timeline (from the date of award)	1.	Visual Reporting overlaid with project information, insights and actions		a.	Visualization Report using Drone:			i) Demonstration of Visualization Report (For any one project site i.e Gorakhpur / Barauni / Sindri)	60 days
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					<p>3. Support in cost management and reporting</p> <p>a. Designing Report Templates (Daily, Weekly, Monthly and Exception Reports), Design KPIs, Project Review Mechanism, Meeting Calendars applicable for all three project sites. 45 days</p> <p>b. Monthly Progress Reports for all three projects sites and headquarter works consisting of Schedule Status (w.r.t. Engineering, Procurement and Construction), Budget/ Financial Status, Delays, critical issues, bottlenecks, catch up plans, cash flow status, S curves with respect to schedule / billing schedule, Time to complete and cost to complete estimates. Monthly</p> <p>c. Risk Report and mitigation strategies Ongoing basis</p> <p>d. Flash Reports / Escalations/ Analysis of critical path and suggesting remedial measures for arresting delays with respect to schedule as and when required on matter deemed important Ongoing basis</p> <p>e. Package score card of the critical packages Ongoing basis</p>	<p>1. Schedule assessment and analysis 2. Governance, Control and Risk Management 3. Support in cost management and reporting</p> <p>a. Designing Report Templates (Daily, Weekly, Monthly and Exception Reports), Design KPIs, Project Review Mechanism, Meeting Calendars applicable for all three project sites. 45 days</p> <p>b. Monthly Progress Reports for all three projects sites and headquarter works consisting of Schedule Status (w.r.t. Engineering, Procurement and Construction), Budget/ Financial Status, Delays, critical issues, bottlenecks, catch up plans, cash flow status, S curves with respect to schedule / billing schedule, Time to complete and cost to complete estimates. Monthly</p> <p>c. Risk Report and mitigation strategies for all three projects sites Ongoing basis</p> <p>d. > Flash Reports / Escalations/ Analysis of critical path and suggesting remedial measures for arresting delays with respect to schedule as and when required on matter deemed important for all three projects sites > Preparing agenda and exceptions of project progress for VC of site with HQ on daily basis for all three Project sites. Ongoing basis</p> <p>e. Package score card of the critical packages for all three projects sites Ongoing basis</p> <p>f. Drone Based Visual Reporting overlaid with project information, insights & actions, providing in-depth analytics and recommendations for all three projects sites: The said work has to be done for 30 times at each site during the entire Contract period of PART-B as per requirement of owner. However, this work has to be performed minimum once every month for each site. Ongoing basis</p>
30.	TECHNICAL SPECIFICATION (TS)	Page 09 of 25	Key personnel	Sl. No. 1	<p>Minimum Qualification: Bachelor Degree/ Diploma or equivalent in Engineering /Architecture/ Management</p> <p>Minimum Experience:</p> <ul style="list-style-type: none"> Should have more than 15 years of experience in the area of project strategy/project advisory/ program management/design & implementation of capital projects. Should have experience of managing large capital Infrastructure program /projects (ongoing or closed assignments with capex of each being INR 5000 Cr or more and duration of each being 12 months or more) in leadership capacity in Scheduling/ Program management in large capital Infrastructure program 	<p>Minimum Qualification: Bachelor Degree/ Diploma or equivalent in Engineering /Architecture/ Management</p> <p>Minimum Experience:</p> <ul style="list-style-type: none"> Should have more than 15 years of experience in the area of project strategy/project advisory/ program management/design & implementation of capital projects. Should have experience of managing large capital Infrastructure program /projects (ongoing or closed assignments with capex of each being INR 3000 Cr or more and duration of each being 12 months or more) in

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					/projects • Should be a partner/equivalent level senior resource	leadership capacity in Scheduling/ Program management in large capital Infrastructure program /projects • Should be a partner/equivalent level senior resource • Should have experience of Risk Management												
31.	TECHNICAL SPECIFICATION (TS)	Page 10 Of 25	Key personnel	Sl. No. 2	<p>Minimum Qualification: Bachelor Degree/ Diploma or equivalent in Engineering /Architecture/ Management</p> <p>Minimum Experience:</p> <ul style="list-style-type: none"> Should have more than 10 years of experience in the area of managing large capital Infrastructure programmes/projects Should have at least 5 years of experience in Project management / support, project scheduling. Should have worked on assignments involving multi agency environment in Oil & Gas / Power (Generation / Transmission) / Steel / Fertilizer Sector. Should have adequate experience in schedule assessment and analytics, governance, control and risk management, visual reporting and provided support in cost management and reporting Should have experience of managing at least one large scale (>INR 5000 Cr) project in Oil & Gas / Power (Generation / Transmission) / Steel / Fertilizer Sector 	<p>Minimum Qualification: Bachelor Degree/ Diploma or equivalent in Engineering /Architecture/ Management</p> <p>Minimum Experience:</p> <ul style="list-style-type: none"> Should have more than 10 years of experience in the area of managing large capital Infrastructure programmes/projects Should have at least 5 years of experience in Project management / support, project scheduling. Should have worked on assignments involving multi agency environment in Oil & Gas / Power (Generation / Transmission) / Steel / Fertilizer Sector. Should have adequate experience in schedule assessment and analytics, governance, control and risk management, visual reporting and provided support in cost management and reporting Should have experience of managing at least one large scale (>INR 3000 Cr) project in Oil & Gas / Power (Generation / Transmission) / Steel / Fertilizer Sector 												
32.	TECHNICAL SPECIFICATION (TS)	Page 10 Of 25	Key personnel	Sl. No. 5	<table border="1"> <thead> <tr> <th>S.N</th> <th>Team Members</th> <th>Minimum no. of Consultant Staff</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Executive Consultants</td> <td>3</td> </tr> </tbody> </table>	S.N	Team Members	Minimum no. of Consultant Staff	5	Executive Consultants	3	<table border="1"> <thead> <tr> <th>S.N</th> <th>Team Members</th> <th>Minimum no. of Consultant Staff</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Executive Consultants</td> <td>4</td> </tr> </tbody> </table>	S.N	Team Members	Minimum no. of Consultant Staff	5	Executive Consultants	4
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S.N	Team Members	Minimum no. of Consultant Staff																
5	Executive Consultants	4																
33.	TECHNICAL SPECIFICATION (TS)	Page 11 Of 25	Key personnel	Note;	<p>Note; Over and above the requirement listed, the Bidder should plan to provide support in integration activities based on the scope provided by OWNER.</p>	<p>Note; Over and above the requirement listed, the Bidder should plan to provide support in integration activities based on the scope provided by OWNER.</p> <p>All the Key personnels should have been employed with the bidder for at least one year as on the date on Bid Submission. Bidder to submit the letter for confirming the same</p> <p>CV of all the Key personnels should be on the Letter Head of the Company & self attested by the concerned person . Further, same should also be counter signed by the Bidder's authorised signatory.</p>												
34.	TECHNICAL SPECIFICATION (TS)	Page 18 of 25	New clause 6.0	HANDOVER	-	<p>NEW CLAUSE 6.0 TO BE INSERTED in technical specification: HANDOVER</p> <p>The Consultant/ Contractor shall provide all such information in its possession or control at any time during the contract period, as may reasonably be necessary to effect as seamless handover as practicable to the OWNER immediately after completion of entire work, including the softwares, hardwares, licenses purchased in the name of OWNER. But in any case, the HANDOVER, shall necessarily be completed before release of CPBG,</p>												

AMENDMENT-2
NIT NO. : PNMM/PC172/E/IT/001

THE TERMS AND SPECIFICATIONS OF THE TENDER DOCUMENT STAND MODIFIED TO EXTENT DESCRIBED UNDER COLUMN "AMENDMENT/ CLARIFICATIONS". ALL OTHER TERMS AND CONDITIONS AND SPECIFICATIONS OF THE TENDER DOCUMENT REMAIN UNCHANGED.



S. No.	Bidding Document			Subject	Existing Clause / Description					Amendment/ Clarifications								
	Chapter / Description	Page No.	Clause No.		Parameter	Criteria	Max Marks (each)	Mark s	Parameter	Criteria	Max Marks (each)	Mark s						
35.	TECHNICAL SPECIFICATION (TS)	Page 22 of 25	3e	CRITERIA FOR EVALUATION	3e	Executive Consultants (3 nos.)	1	Years of experience in the area of managing large capital Infrastructure programmes/projects	>5 yrs: 0.5 marks	0.5	7.5	3e	Executive Consultants (4 nos.)	1	Years of experience in the area of managing large capital Infrastructure programmes/projects	>5 yrs: 0.5 marks	0.5	8
						2	Experience in programme/ project management of large capital Infrastructure programme/project of capex INR 2,500 Cr or more and duration of each being 12 months or more.	Projects <1 : 0 marks >=1: 1 marks	1				2	Experience in programme/ project management of large capital Infrastructure programme/project of capex INR 2,500 Cr or more and-duration of each being 12 months or more.	Projects <1 : 0 marks >=1: 0.5 marks	1		
						3	PMP Certification	1 Mark	1				3	PMP Certification	1 Mark	1		
36.	TECHNICAL SPECIFICATION (TS)	Page 23 of 25	3f	CRITERIA FOR EVALUATION	3f	Analytics Expert	1	Total years of work experience	>8 years = 0.5 marks	0.5	2.5	3f	Analytics Expert	1	Total years of work experience	>8 years = 0.5 marks	0.5	2
						2	Should have more than 6 years of relevant experience involving API Integration (SOA/Micro services/ESB).	<6 yrs: 0 mark >=6 yrs: 1 mark	1				2	Should have more than 6 years of relevant experience involving API Integration (SOA/Micro services/ESB).	<6 yrs: 0 mark >=6 yrs: 1 mark	1		
						3	Projects involving advanced analytics projects/ Analytics Dashboard with SOA based data sources/ analytics dashboard integration in Project Management domain	<3 projects = 0.5 marks >= 3 projects = 1 marks	1				3	Projects involving advanced analytics projects/ Analytics Dashboard with SOA based data sources/ analytics dashboard integration in Project Management domain	<3 projects = 0 marks >= 3 projects = 0.5 marks	0.5		
37.	TECHNICAL SPECIFICATION (TS)	Page 24 of 25	2 b)	Evaluation of Financial Proposal	For financial evaluation, the total cost indicated in the Financial Proposal (excluding Service Tax) will be considered					For financial evaluation, the total cost indicated in the Financial Proposal (excluding GST) will be considered								
38.	TECHNICAL SPECIFICATION (TS)	Page 25 of 25	-	CLIENT'S INPUTS	Client will provide the following inputs to the bidder at no additional cost: 1. Work space for bidder personnel at HURL office and all the three worksites. 2. HURL will provide Native applications / softwares (like Primavera, Navisworks, Autocad, Adobe, MS Office, Outlook/ Google suite)					Client will provide the following inputs to the bidder at no additional cost: 1. Minimum required Work space for bidder personnel at HURL office and all the three project sites. Available Internet connection through Wi-Fi / LAN at HQ / all the three sites, if required.								

AMENDMENT-2
NIT NO. : PNMM/PC172/E/IT/001

THE TERMS AND SPECIFICATIONS OF THE TENDER DOCUMENT STAND MODIFIED TO EXTENT DESCRIBED UNDER COLUMN "AMENDMENT/ CLARIFICATIONS". ALL OTHER TERMS AND CONDITIONS AND SPECIFICATIONS OF THE TENDER DOCUMENT REMAIN UNCHANGED.

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					3. Enable availability of APIs of software for integration purpose. Native software includes Navis Works, SPMAT; SHOKA, INTERGRAPH, PDMS, SP3D, AVEVA etc being used by LSTK/ Non –LSTKs. 4. Updated primavera schedules, Master Document List with base line dates, activity list in excel from all the LSTK/ Non LSTK contractor, updated NAVIS works files (.NWD) with unique tags for 3D integration, procurement information along with item code details. 5. HURL will provide Document Controllers at client/ PMC / Contractor end (for daily control of document / upload of legacy engineering documents) 6. HURL will provide Project Coordinator who will work closely with the selected bidder's team	2. HURL/ PDIL will facilitate in providing inputs from LSTK / NON LSTK Contractors, other sources for integration (in case required) 3. HURL / PDIL will provide Document Controllers at PMC / Contractor end for facilitating Inputs. 4. HURL / PDIL will provide Project Coordinator who will work closely with the selected bidder's team.																																																																																																																																																																
39.	SCHEDULE OF RATES (SOR)	Page 2 of 2		SCHEDULE OF RATES	<table border="1"> <thead> <tr> <th>SI. No.</th> <th>Description (as detailed in technical scope and deliverables)</th> <th>Unit</th> <th>Qty.</th> <th>Rate (Rs.)</th> <th>Total price (Rs.)</th> </tr> </thead> <tbody> <tr> <td colspan="6">'PART-A'-LUMPSUM BASIS</td> </tr> <tr> <td>1.0</td> <td>Implementation one time for all IT components inclusive applicable software.</td> <td>Lump-sum</td> <td>--</td> <td></td> <td></td> </tr> <tr> <td>1.1</td> <td>GST EXTRA</td> <td></td> <td></td> <td>.....%</td> <td></td> </tr> <tr> <td colspan="6">'PART-B'- MONTHLY CHARGES BASIS</td> </tr> <tr> <td>1.0</td> <td>Integrated Enterprise Level Management Framework (on monthly basis) to provide the following scope (as detailed in technical scope) for:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>a</td> <td>Gorakhpur Project</td> <td>Month</td> <td>22**</td> <td></td> <td></td> </tr> <tr> <td>b</td> <td>Barauni Project</td> <td>Month</td> <td>24**</td> <td></td> <td></td> </tr> <tr> <td>c</td> <td>Sindri Project</td> <td>Month</td> <td>24**</td> <td></td> <td></td> </tr> <tr> <td colspan="6">SUBTOTAL FOR PART-B 1.0 = (a + b +c above)</td> </tr> <tr> <td>1.1</td> <td>GST EXTRA</td> <td></td> <td></td> <td>@.....%</td> <td></td> </tr> <tr> <td colspan="6">C- TOTAL PRICE=(PART A 1.0 + PART B 1.0) (EXCLUDING GST)</td> </tr> <tr> <td colspan="6">D – TOTAL GST = =(PART A 1.1 + PART B 1.1)</td> </tr> </tbody> </table>	SI. No.	Description (as detailed in technical scope and deliverables)	Unit	Qty.	Rate (Rs.)	Total price (Rs.)	'PART-A'-LUMPSUM BASIS						1.0	Implementation one time for all IT components inclusive applicable software.	Lump-sum	--			1.1	GST EXTRA		%		'PART-B'- MONTHLY CHARGES BASIS						1.0	Integrated Enterprise Level Management Framework (on monthly basis) to provide the following scope (as detailed in technical scope) for:					a	Gorakhpur Project	Month	22**			b	Barauni Project	Month	24**			c	Sindri Project	Month	24**			SUBTOTAL FOR PART-B 1.0 = (a + b +c above)						1.1	GST EXTRA			@.....%		C- TOTAL PRICE=(PART A 1.0 + PART B 1.0) (EXCLUDING GST)						D – TOTAL GST = =(PART A 1.1 + PART B 1.1)						<table border="1"> <thead> <tr> <th>SI. No.</th> <th>Description</th> <th>Unit</th> <th>Qty.</th> <th>Rate (Rs.)</th> <th>Total price (Rs.)</th> </tr> </thead> <tbody> <tr> <td colspan="6">'PART-A'-LUMPSUM BASIS</td> </tr> <tr> <td>1.0</td> <td>Implementation of Online Integrated IT System including applicable softwares, hardwares, Drone visualisation, etc. as per scope defined in Technical specifications and deliverables of PHASE 1 / PART-A Work</td> <td>Lump-sum</td> <td>--</td> <td></td> <td></td> </tr> <tr> <td>1.1</td> <td>GST EXTRA</td> <td></td> <td></td> <td>.....%</td> <td></td> </tr> <tr> <td colspan="6">'PART-B'- MONTHLY CHARGES BASIS</td> </tr> <tr> <td>1.0</td> <td>Integrated Online Enterprise Level Management Framework including Drone Based Visual Reporting as per scope defined in Technical specifications and deliverables of PHASE 2 / PART-B Work for following project sites:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>a</td> <td>Gorakhpur Project</td> <td>Month</td> <td>22**</td> <td></td> <td></td> </tr> <tr> <td>b</td> <td>Barauni Project</td> <td>Month</td> <td>24**</td> <td></td> <td></td> </tr> <tr> <td>c</td> <td>Sindri Project</td> <td>Month</td> <td>24**</td> <td></td> <td></td> </tr> <tr> <td colspan="6">SUBTOTAL FOR PART-B 1.0 = (a + b +c above)</td> </tr> <tr> <td>1.1</td> <td>GST EXTRA</td> <td></td> <td></td> <td>@.....%</td> <td></td> </tr> <tr> <td colspan="6">C- TOTAL PRICE=(PART A 1.0 + PART B 1.0) (EXCLUDING GST)</td> </tr> <tr> <td colspan="6">D – TOTAL GST = =(PART A 1.1 + PART B 1.1)</td> </tr> </tbody> </table>	SI. No.	Description	Unit	Qty.	Rate (Rs.)	Total price (Rs.)	'PART-A'-LUMPSUM BASIS						1.0	Implementation of Online Integrated IT System including applicable softwares, hardwares, Drone visualisation, etc. as per scope defined in Technical specifications and deliverables of PHASE 1 / PART-A Work	Lump-sum	--			1.1	GST EXTRA		%		'PART-B'- MONTHLY CHARGES BASIS						1.0	Integrated Online Enterprise Level Management Framework including Drone Based Visual Reporting as per scope defined in Technical specifications and deliverables of PHASE 2 / PART-B Work for following project sites:					a	Gorakhpur Project	Month	22**			b	Barauni Project	Month	24**			c	Sindri Project	Month	24**			SUBTOTAL FOR PART-B 1.0 = (a + b +c above)						1.1	GST EXTRA			@.....%		C- TOTAL PRICE=(PART A 1.0 + PART B 1.0) (EXCLUDING GST)						D – TOTAL GST = =(PART A 1.1 + PART B 1.1)									
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Note: Bidder to submit the revised SCHEDULE OF RATES (SOR) as attached below.

	INTEGRATOR AND ENTERPRISE LEVEL SOLUTION PROVIDER FOR IMPLEMENTATION OF INTEGRATED IT SYSTEM AT HURL	PNMM/PC172/E/IT/0	0	
		01/SOR	REV	
		DOC. NO.		
SCHEDULE OF RATES (SOR)		Page 2 of 2		

SCHEDULE OF RATES

Sl. No.	Description	Unit	Qty.	Rate (Rs.)	Total price (Rs.)
'PART-A'-LUMPSUM BASIS					
1.0	Implementation of Online Integrated IT System including applicable Softwares, Hardwares, Drone visualisation, etc. as per scope defined in Technical specifications and deliverables of PHASE 1 / PART-A Work	Lump-sum	--		
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'PART-B'- MONTHLY CHARGES BASIS					
1.0	Integrated Online Enterprise Level Management Framework including Drone Based Visual Reporting as per scope defined in Technical specifications and deliverables of PHASE 2 / PART-B Work for following project sites:				
a	Gorakhpur Project	Month	22**		
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SUBTOTAL FOR PART-B 1.0 = (a + b +c above)					
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C- TOTAL PRICE=(PART A 1.0 + PART B 1.0) (EXCLUDING GST)					
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** The tentative completion period of this job is presently envisaged as November 2020 for Gorakhpur project and January 2021 for Barauni and Sindri Projects in line with the mechanical completion schedule of these projects. Accordingly, No. of Months in SOR specified as 22 months for Gorakhpur and 24 months for Barauni and Sindri Projects. However, depending upon the actual Mechanical Completion of These Projects, No. of Months may vary, for which Contractor has to continue the job at the same rates for the additional period (maximum upto Six months), if required.

NOTE:

- In case, the project gets extended beyond six months, the applicable fees / charges will be mutually discussed and agreed.
- Bidder shall necessarily quote the prices for both Part-A and Part-B Work of SOR. In case, the bidder does not quote for Part-B work of SOR, his bid shall be rejected.

Signature of Bidder: _____