Reply to Queries of AHPL on Bid Document for RMU of Umiam Umtru Stage-III Project

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1.	Please appreciate that sufficient time is required to study the specifications, therefore we request you to extend the pre bid meeting at least by 4 weeks so as to allow us to prepare our pre bid queries in detail. It is also requested to kindly conduct pre bid meeting online through Video Conferencing.	Extended by 14 days and pre bid meeting conducted online.
2.	Due to current situation of rising COVID cases nationwide and travel restrictions imposed by states, this is not preferred to conduct site visit in coming days prior to scheduled pre-bid meeting. Therefore, allow us to conduct site visit once COVID situation improves in near future and restrictions are relaxed.	The bidder may have site visit as per their convenience.
3.	Considering the quantum of the work and in view of other projects in the Same time, kindly allow extension of at least 8-10 weeks in Bid submission date. Due to unpredictable ongoing COVID situation, it is also requested to kindly incorporate provisions of online bidding in the tender conditions enabling Bidder to submit Bid online.	Bid submission date extended upto 1st April 2022. Further extension may not be possible.
4.	Please provide editable softcopy of the Contract forms and schedules which are required to be submitted in the bid	Cannot be entertained.
5.	With respect to said loan received from JICA, kindly clarify following ; 1. Loan Sanction date and validity of loan as on date. 2. Loan amount is only for Rehabilitation of Electro Mechanical Equipment (Package – 1) or other packages (if any) shall also be funded with the same loan	Details of Loan package cannot be disclosed.
6.	No provisions regarding Bid Security should be kept and only provision for Bid Security declaration should be included in the Bid Documents. This is in line with recent practice followed by various	As per bid document.

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	government utilities in Hydropower Sector Accordingly, please share bid declaration format to be submitted in lieu of bid security BG.	
7.	Please clarify wording "This bidding process is not subject to prequalification"	As per bid document.
8.	The period following completion of Plant and Installation Services during which spare parts, special tools etc. shall be available, is: ~~20~~ 5 years for Electro-mechanical components/Spares.	The bid document is final and no modification will be entertained.
9.	Please modify clause as below : All Payments except Advance payment through an irrevocable at sight Letter of Credit (LC) to be issued by first class bank within 30 days from the date of execution of contract agreement., based on latest UCP version, in the form and manner agreed between Employer and Contractor, having validity of contractual last payment date + 60 days. The same will be maintained, extended and amended as requested by the Contractor.	The bid document is final and no modification will be entertained.
10.	Please add following definition: "Letter of Credit (LC)" means an operable & irrevocable letter of credit , payable at sight, issued in form and substance agreed between Employer and Contractor based on latest UCP version, by a first class bank for full value of the Contract less Advance payment. It is the Employer's obligation to have this Letter of Credit opened, amend and extended whenever required by the contractor and to maintain this Letter of Credit till scheduled due date of last payment + 60 days . If the LC is not opened, amended, or maintained as requested by the Contractor then it will be considered as Substantial breach of the Contract.	The bid document is final and no modification will be entertained.
11.	We want to discuss and finalize documents required to be submitted for claiming payments **New Sub-clause** The following documents are required to be submitted for claiming payments (Supply from within India): **For 80% payment of EXW amount of Plant and equipment** c. Four copies of test certificate approval issued by the Employer or Beneficiary Statement stating that Test report has not been approved within 14 days from the date of request from the contractor due to reason not attributable to the contractor	The bid document is final and no modification will be entertained.

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	f.~~Four copies of certificate of the Contractor that applicable taxes and duties have been paid to the concerned authorities~~. 01-Original Tax Invoice g.~~Four copies of Advance BG acceptance letter of the Employer~~ This Payment Condition is required to be deleted as ABG to be issued in the formats acceptable to employer and contractor **5% of EXW price of total or pro rata amount upon completion of commissioning of work:** b. Four copies of the certificate of successful completion of commissioning work issued by concerned Project Manager of the Employer or 1 original of beneficiary's statement stating that applicant or it's project manager or its representative has failed to provide certificate of successful completion of commissioning within 14 days of beneficiary's notice requesting to provide completion certificate due to reasons not attributable to the beneficiary or original of beneficiary's statement stating that applicant or it's project manager or it's representative has failed to provide certificate of successful completion of commissioning within 7 days of beneficiary's repeated/second notice requesting to provide completion certificate due to reasons not attributable to the beneficiary **5% of EXW price of total or pro rate amount upon issue of the Operational Acceptance Certificate:** b. Four copies of the Operational Acceptance Certificate issued by concerned Project Manager of the Employer. or original of beneficiary's statement stating that applicant or it's project manager or its representative has failed to provide Operational Acceptance Certificate within 7 days of beneficiary's notice requesting to provide completion certificate due to reasons not attributable to the beneficiary. **c.** Four copies of "No Liability Certificate (22 point proforma)" issued by Project Manager of the Employer and countersigned by concerned Superintending Engineer and Chief Engineer of the Employer or original of beneficiary's statement stating that applicant or it's project manager or its representative has failed to provide No Liability Certificate within 14 days of beneficiary's notice requesting to provide No Liability Certificate due to reasons not attributable to the beneficiary **For advance payment of 10% of the total installation services amount:** ~~c.Four copies of Advance BG acceptance letter of the Employer~~ This Payment Condition is required to be deleted as ABG to be issued in the formats acceptable to employer and contractor	

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	For 80% payment (90% payment if no advance is taken) of Installation Services carried out: ~~c.Four copies of Advance BG acceptance letter of the Employer~~ This Payment Condition is required to be deleted as ABG to be issued in the formats acceptable to employer and contractor ~~f.Four copies of undertaking of the Contractor that applicable taxes and duties have been paid to the concerned authorities~~. 01 Original Tax Invoice **5% of Installation Services upon completion of commissioning of work:** b. Four copies of the certificate of successful completion of commissioning work issued by concerned Project Manager of the Employer or original of beneficiary's statement stating that applicant or it's project manager or its representative has failed to provide certificate of successful completion of commissioning within 14 days of beneficiary's notice requesting to provide completion certificate due to reasons not attributable to the beneficiary or original of beneficiary's statement stating that applicant or it's project manager or it's representative has failed to provide certificate of successful completion of commissioning within 7 days of beneficiary's repeated/second notice requesting to provide completion certificate due to reasons not attributable to the beneficiary **5% of Installation Services upon issue of the Operational Acceptance Certificate** b. Four copies of the Operational Acceptance Certificate issued by concerned Project Manager of the Employer. or original of beneficiary's statement stating that applicant or it's project manager or its representative has failed to provide Operational Acceptance Certificate within 7 days of beneficiary's notice requesting to provide completion certificate due to reasons not attributable to the beneficiary or c.Four copies of "No Liability Certificate (22 point proforma)" issued by Project Manager of the Employer and countersigned by concerned Superintending Engineer and Chief Engineer of the Employer or original of beneficiary's statement stating that applicant or it's project manager or its representative has failed to provide No Liability Certificate within 14 days of beneficiary's notice requesting to provide No Liability Certificate due to reasons not attributable to the beneficiary	
12.	Please modify the clause as below The Effective Date from which the Time for Completion of the Facilities shall be counted is the date when all of the following conditions have been fulfilled: (a) This Contract Agreement has been duly executed for and on behalf of the Employer and the	The bid document is final and no modification will be entertained.

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	Contractor. (b) The Contractor has submitted to the Employer the performance security and the advance payment guarantee. (c) The Employer has paid the Contractor the advance payment (d) The Contractor has been advised that the documentary credit has been issued in its favor. "If Effective Date is not achieved within 180 days from the date of Notification of Award to the Contractor by the Employer, because of reasons not attributable to the Contractor, the Parties shall discuss regarding Extension of Time for Completion and for adjustment in the Contract Price, as well as other terms and conditions of the Contract."	
13.	Please insert that Advance Payment Security will come into effect from the date of receipt of the advance onto the Contractor's bank account. We also want to discuss and finalize the formats of Advance Bank Guarantee format to bring them in line with prevailing banking practices.	The bid document is final and no modification will be entertained.
14.	We also want to discuss and finalize the formats of Performance Security to bring them in line with prevailing banking practices.	The bid document is final and no modification will be entertained.
15.	Pls delete (h) Acknowledgement of compliance with guidelines for procurement under Japanese ODA Loans	The bid document is final and no modification will be entertained.
16.	Please insert Total CIP Amount instead of Total EXW Amount.	The bid document is final and no modification will be entertained.
17.	As per the specified Appendix, there are NIL Deductibles. However, in line with the ongoing standard insurance policies in the country, all insurance policies come with some underlying deductibles. The same can be agreed between the parties. Please confirm.	The bid document is final and no modification will be entertained.
18.	Automobile Liability Insurance - We suggest that, in addition to Cargo, Workmen Compensation &	The bid document is final and

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	Employer's Liability (as mentioned in Appendix 3), the customer shall not be co-insured for the purposes of Automobile Liability also.	no modification will be entertained.
19.	Add definition of "Cost" – "Means all expenditure reasonably incurred (or to be incurred) by the Contractor in performing the Contract, whether on or off the Site, including taxes, overheads, profits and similar charges. Where the Contractor is entitled under a sub-clause of these GC (or PC) to payment of Cost, it shall be added to the Contract Price."	The bid document is final and no modification will be entertained.
20.	As per Government guidelines, tenders should have provisions of Performance Security of 3% of Contract value. Accordingly, we understand that we also have to submit Performance Security of 3% of value of the Contract in the present case. Please confirm our understanding	The bid document is final and no modification will be entertained.
21.	We suggest that the DLP shall also be linked with the delivery of the Goods and therefore, clause 27.2 shall read as follows: The Defect Liability Period in respect of the Facilities (or, where Operational Acceptance of any part of the Facilities occurs, of such part) shall commence upon the date of Operational Acceptance and expire twelve (12) months thereafter, or commence upon the date of delivery of the equipment at Site and expire eighteen (18) months thereafter, whichever occurs first. We further suggest that all implied and statutory warranties are excluded.	The bid document is final and no modification will be entertained.
22.	Please modify the clause as below; If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Employer because of any of the aforesaid reasons. However, in no event shall the Defect Liability Period extend beyond twenty-four (24) months after the date of Operational Acceptance of the Plant or the relevant part thereof.	The bid document is final and no modification will be entertained.
23.	We suggest to include the following condition to the existing list as new point (h) which shall read as	The bid document is final

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	follows: New Point (h) – "delays on account of the impact of Covid-19 or any governmental responses to it." It must be noted that in such case, the existing point (h) shall become point (i).	and no modification will be entertained.
24.	Pls confirm Wherever INCO terms are mentioned it referred to INCO terms 2020.	The bid document is final and no modification will be entertained.
25.	Please arrange to provide following as the same are not available in the tender documents: 1. General Technical Specifications 2. Particular Technical Specifications (detailed) 3. Drawings 4. Technical Data sheet (to be filled in) 5. QAP/ITP, if any	As per bid document, the bidder shall collect data during their site visit.
TECHNICAL QUERIES		
1.	Since detailed technical specifications of existing components including guaranteed & penalty criteria are missing in the available tender document hence in order to have clarity on that, we request you to furnish the followings • Technical Date sheets • General technical specifications • Particular Technical specifications (technical specifications of existing components and new components) Documents related to technical evaluation and penalty criteria	As per bid document, the bidder shall collect data during their site visit.
2.	In order to have clarity about operating philosophy of existing turbine, please confirm/provide the following • Maximum, Rated and Minimum output of each unit (at generator terminal) • Available Maximum and Minimum net head • Maximum, Rated and Minimum Head water level • Maximum, Rated and Minimum Tail water level	As per bid document, the bidder shall collect data during their site visit.

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	• Turbine centreline elevation • Head loss of water way system, corresponding the rated discharge • Maximum available discharge of each turbine • Operating (Hill) curve of existing turbine, if available	
3.	In order to do the hydraulic layout calculation and transient analysis, to establish the technical performance guarantee within the overall boundary of turbine dimensions, we request you to furnish the following most important inputs • Theoretical drawing (hydraulic contour) of spiral and stay ring & stay vane • Theoretical drawing (hydraulic contour) of guide vane • No. of stay vanes and guide vanes • Turbine cross section drawing, showing clearly the interface connections of head cover/bottom ring with stay ring, Runner with head cover/bottom ring & with draft tube and Runner with shaft coupling/bearing/shaft seal • Detail drawing of runner • Theoretical drawing (hydraulic contour) of draft tube cone and draft tube elbow up to DT gate • Existing Overspeed, Design pressure of spiral case, Runaway speed, Max. hydraulic axial thrust of turbine • Complete water conductor system drawing and detail from intake to power house • Existing moment of Inertia (WR^2) of Generator • Exiting weight of Runner & turbine shaft • Existing generator thrust bearing capacity • Maximum river water temperature • Existing EOT crane capacity of PH and Valve house	As per bid document, the bidder shall collect data during their site visit.
4.	In order to have a clear understanding about existing machinery and plant, please furnish following drawings • Power house cross section and plan • Turbine cross section, showing clearly turbine design from spiral to draft tube • Detailed drawing of Main Inlet valve & Penstock Valve • Schematic diagram of Complete turbine and generator auxiliaries • Detailed drawing of each component of turbine and valves as follows o Drawing of Turbine components i.e. spiral case, stay ring, stay vane, guide vane, head cover, bottom ring, runner, turbine shaft, turbine guide bearing, shaft seal, PRV, draft tube and pit liner etc.	As per bid document, the bidder shall collect data during their site visit.

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	o Detailed drawing of Main Inlet Valve including Upstream & downstream pipes o Detailed drawing of Penstock Valve including Upstream & downstream pipes	
5.	Please furnish any recent report of chemical analysis of river water along with silt concentration data & petrographic analysis so that we could have an idea about water quality of river.	As per bid document, the bidder shall collect data during their site visit.
6.	Tender specification asks for model test requirement whereas detailed tender schedule does not show the model test activity which shall be at least 9 months including Owner witness. Considering the size and capacity of unit, we strongly recommend to accept the model transposition report with CFD validation against complete model test requirement due to the following reasons • Computational Fluid Dynamics (CFD) analysis nowadays is most common method that provide the good Visualization of flow structures, pressure and loss distributions that helps to derive the prototype hydraulic performance (Output, efficiency, cavitation, pressure pulsation, thrust etc.) from model characteristics. • Pre-CFD is anyway required before model design and model test demonstration to eliminate the performance risk after model test. • Time schedule can be minimized substantially with CFD analysis which results early commissioning of unit means early energy generation. • CFD analysis is Cost effective solution	The bid document is final and no modification will be entertained.
7.	Tender specification asks for Water lubricated guide bearing by replacing Oil lubricated bearing. We have an apprehension that in order to have proper lubrication, the overall shell/pad length and size of bearing might be increased which may create interfaces problem with turbine shaft seals, runner and head cover and also the operational performance of water lubricated bearing is unpredictable due to lack of experience in India. Hence looking to midrange turbine and recent technological development in bearing design, kindly accept the oil lubricated shell/segment type turbine guide bearing for this project.	The bid document is final and no modification will be entertained.

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8.	We would like to apprise that every bidder wish to propose always their best design to suit the project requirement and to minimize maintenance/replacement effort in future therefore kindly allow us to offer alternatively the Labyrinth type/Axial hydrostatic type of shaft seal for this project.	The bid document is final and no modification will be entertained.
9.	Tender specification asks for replacement of existing spherical valve with thru-flow type valve. If we understand correctly then thru-flow valve is Butterfly type valve which is not recommended for this project due to following reasons • Interfaces with existing Upstream and downstream pipe will be difficult because in order to have same flow area, the butterfly valve diameter might be increased which will require further modifications in upstream and downstream interfaces of Valve to connect with pipes. • For such high head, Spherical Valve is always preferred valve due to have better rigidity as compare to butterfly valve. • Spherical Valve is as good as pipe so head loss in Spherical valve is very less as compare to Butterfly valve which further contribute to overall loss of net head of plant. Hence in view of above, kindly replace the existing spherical valve with new spherical valve only. Please confirm.	The bid document is final and no modification will be entertained.