

Reply to the queries raised by the bidders for Request for Proposal (RFP) for Engineering, Procurement & Construction package for 4.5MW Mawar-I, 10MW Mawar-II, 10MW Kahmil, 10MW Dringla Karnah & 9.5MW Sewa-I Small Hydro Electric Projects.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
Queries raised by M/s BOOM Systems Pvt. Ltd				
1.	Volume 1 (Clause 9.1)	The time for completion of the Project, including infrastructure works, testing & Commissioning, shall not exceed 26 months from the Date of Order to Commence. (Article 22 of GCC).	From technically & commercially clear work order and handing over of site without any encumbrances and entire land require for project components and construction activity are in possession with the client / owner.	The process of getting land and other clearances are in advanced stage Substantial part of land is expected to be made available to the EPC Contractor upfront and remaining as per requirement and work plan.
2.	Volume 1 (Clause 9.2)	The completion schedule is prime consideration for considering responsiveness of the Bidder. Bidders considered non-responsive run the risk of rejection at any stage of examination of the Bids. Any delay in commissioning of the Unit(s) beyond its respective Time for Completion would attract liquidated damages payable to Owner @ 0.03 % (three hundredth percent) of the aggregate Contract Price per Unit per day of delay subject to maximum of 10% (ten percent) of the aggregate Contract Prices of all the CONTRACTS covering entire scope of Works. Such Liquidated Damages shall be payable by the leader on behalf of the Consortium.	0.03% to be replaced by 0.01% and limited to 5%	Bid provision shall prevail.
3.	Volume 1 (Clause 9.3)	The Bidder shall indicate Intermediate Milestone dates, as stipulated in Article 12 of the Special Conditions for Civil Works (Section-II). Any delay in attaining any of the targeted intermediate milestone dates shall in each case attract liquidated damages @	Limited to 5% of the trade activity	Bid provision shall prevail.

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		0.01 % (One hundredth percent) of Contract Price for Civil Works per day of delay. In case there is no delay in commissioning of the first Generating Unit (as defined in Article 26 of GCC), the interim liquidated damages imposed against intermediate milestones shall be returned to the Contractor. In case the Consortium has already paid liquidated damages under Civil Works and is also required to pay liquidated damages for delay in commissioning of the Generating Unit then the payable liquidated damages for delay in commissioning shall be net of already paid liquidated damages.		
4.	Volume 1 (Clause 9.4)	Incentive for Early Completion: The Bidder shall be eligible for incentive for achieving Unit wise commissioning of the Project ahead of respective Time for Completion(s) brought out under Article 9.1 above in equivalent Indian currency @ 0.005 % (zero point zero zero five percent) of aggregate of the Contract Prices of all the CONTRACTS, per UNIT per day subject to a ceiling of 10% (ten percent) of the aggregate Contract Prices covering entire scope of Works. Incentive if any accrued shall be paid only after the successful completion of Defect Liability Period after deducting any dues of balances on account of the Contractor.	0.03% to be replaced by 0.01% and limited to 5%	Bid provision shall prevail.
5.	Volume 1 (Clause 21.1)	The Bid shall be accompanied by a Bid Security for an amount of INR 10 Lakh / MW (INR Ten Lakhs per MW)	Total EMD should not exceed 2 Lakhs / project	In view of request from many bidders the EMD is reduced to INR 10 Lakhs / project
6.	Volume 1 (Clause 21.4)	Bid Security of a Consortium shall be in the name of the Consortium submitting the Bid and not in the name of a member or Leader of the Consortium.	Either of the two should be applicable	Agreed

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7.	Volume 1 (Clause 21.5)	The Bid Security of the Successful Bidder to whom a Contract is awarded will be returned after the said Bidder provides the Contract Performance Guarantee as per stipulations elsewhere in the Bid Documents. The Successful Bidder shall be required to extend the validity of the Bid Security till the Contract Performance Guarantee is accepted by the Owner.	Noted. It shall be 2 Lakhs / project	In view of request from many bidders the EMD is reduced to INR 10 Lakhs / project
8.	Volume 1 (Clause 30)	Within 28 days from the date of issue of the Letter of Acceptance, the Successful Bidder shall furnish to the Owner his Permanent Account Number and GST registration number issued by the Income Tax Authorities in India. No payment shall be made to the Contractor unless he submits his Permanent Account Number and GST registration number.	To evaluate the seriousness of the bidder, GST and PAN no of sole bidder or each consortium partner should be available at the time of submission of bidding	Bid provision shall prevail.
9.	Volume 3 (Clause 24.2)	However, if the Works is delayed on account of the following events and affect the Time for Completion of the Works:	Force majeure shall inclusive of Extradition & terrorism	Bid provision shall prevail.
10.	Volume 3 (Clause 27.1)	In these General Conditions the expression "Defects Liability Period" shall mean the period of 24 (twenty four) months following the Date of Completion as per Article 26 hereof. The contractor warrants that the Work executed or any part thereof shall be free from defects in the design, engineering, materials and workmanship of the supplied material and of the work executed.	Since after the completion, the 5 year O&M contract will start. Therefore the defect liability period should be also 5 years instead of 24 months and 1% retention should be release after every year of completion.	Bid provision shall prevail.
11.	Volume 1 (Clause 27.2, 27.3, 27.4, 27.5, 27.6, 27.7)	Defects Liability Period	Noted and refer our comment above on clause 27.1	Bid provision shall prevail.
12.	Volume 1 (Clause 28.1)	Final Acceptance Certificates	Noted and refer our comment above on clause 27.1	Bid provision shall prevail.
13.	Volume 1 (Clause 30.1)	The Contractor shall, for due performance of the Contract, within a period of 28 days from the date of	Please confirm the 3 rd party guarantee is applicable.	Bid provision shall prevail.

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		issue of Letter of Acceptance, deliver to the Owner bank guarantees for amounts equal to five percent (5%) of the Contract Price in the respective currencies in the form set out in Annexure-5.1. In addition to this, the Sub-contractors named in the Contract, for due compliance of Joint Deed of Undertaking shall submit separate additional bank guarantee within a period of 28 days from date of issue of Letter of Acceptance equivalent to 10% of the sub-let works identified in the Contract for faithful performance of such sub-let works in the respective currencies in the form set out in Annexure-5.2. The Performance Bank Guarantee for the amounts expressed in Indian Rupees shall be issued by an Indian Nationalized / Scheduled Bank or a Foreign Bank notified as a Scheduled Bank under the provisions of the 'Reserve Bank of India Act' through any of its Branches in India.	Completion period is 26 months and O&M period of 60 months makes it total 86 months it is proposed that Performance BG for total value of 5% of the contract value to be obtained from successful contractor in 5 discrete BG of 1% each as follows : <ul style="list-style-type: none"> • 1% valid for 38 months from the date of letter of award • 1% valid for 50 months from date of letter of award • 1% valid for 62 months from date of letter of award • 1% valid for 74 months from date of letter of award • 1% valid for 86 months from date of letter of award 	
14.	Volume 1 (Clause 30.2 & 30.3)	Contract Performance Guarantee/ Security Deposit	Noted and comment as per clause 30.1	Bid provision shall prevail.
15.	Volume 1 (Clause 31.1)	The amount due to the Contractor under any Progress Certificate pursuant to this Article shall, subject to Article48, be paid by the Owner to the Contractor as early as possible as but not later than 60 days after the approval by Engineer	Since it is fast track project 60 days reduced to 15 days	Bid provision shall prevail; however JAKEDA shall endeavor to release payment as quickly as possible well within the prescribed time limit.
16.	Volume 3 (Clause 36.1, 36.2)	In the event of either party being rendered unable by force majeure to perform any obligation required to be performed by them under the Contract, the relative obligation of the party affected by such force majeure shall upon notification to the other party be suspended for the period during which the effect of the force	Force majeure shall inclusive of Extradition &terrorism	Bid provision shall prevail.

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		majeure event lasts. Subject to the Article 7 hereof, the cost and loss sustained by either party shall be borne by the respective parties.		
17.	Volume 3 (Clause 41)	All information, data and drawings furnished/disclosed by the Owner to the Contractor and all drawings, calculations, models, technical information and the like supplied by the Contractor to the Owner, or the Engineer-in-charge will be treated by the Contractor and its agents, sub-contractors and servants as confidential, and shall not be used by any of them without the previous written consent of the Owner except in connection with the execution, operation and maintenance of the Works.	noted, other than intellectual propriety document	Bid provision shall prevail. The Intellectual Property shall be respected.
18.	Volume 3 (Clause 46.1)	OBLIGATION OF OWNER	since elsewhere mentioned that the contractor must have visit the site before submitting bid and all land requirement must be in possession of the owner before effective start date of the project. If extra land required by the contractor is furnished after 1 month of zero date it become a reason of time extension and delay in the project. Therefore the contractor should read bid documents & DPR properly and gives his requirement of construction land along with bid document.	Bid provision shall prevail.
19.	Volume 3 (Clause 46.2)	If requested by the Contractor, the Owner shall register the Contract with the appropriate authority, for the import of Plant & Machinery and its spares in the name of the Owner. However, the obligation of the Owner mentioned above is conditional upon the Contractor making available all the requisite data/documents to the Owner in due time and the	6 month reduced to 3 months	Bid provision shall prevail. It is clarified that the period of six months as provided is the outer limit; however, the owner will make all possible attempt to complete the

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		<p>Owner on receipt of such data/documents shall take a period of not more than six months for obtaining the said registration. The Contractor shall also be responsible for conforming to all requirements under such registration. All incidental expenses related to such registration shall be borne by the Contractor.</p>		<p>registration at the earliest .</p>
20.	Volume 3 (Clause 46.3)	<p>In order to allow any loss or any load rejection test specified in the Contract to be carried out to demonstrate that any and/or all of the Generating Units (as defined in Article 26.5) comply with the requirements of the Contract, the Owner shall ensure the availability of the following facilities in accordance with the Contractor's contract implementation programme:</p> <ul style="list-style-type: none"> • Availability of sufficient water for "part load" and "full load" tests. • Possibility to dispatch electrical power for "part load" and "full load" tests. • Grid conditions shall permit sudden rejection of full electrical power. 	<p>Water availability & grid availability is responsibility of owner</p>	<p>While the GRID availability upto the Power Plant is the responsibility of the owner, the availability of water is not in the control of the owner. At the time of Commissioning, the tests shall be carried out with respect to the water availability at the time of commissioning and provisional CoD certificate shall be provided based on the outcome of test. When the sufficient water is available, full load test shall be carried out. In case of non-satisfactory result, sufficient corrective measures are required to be carried out by the contractor and post that only, the final CoD shall be provided</p>

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21.	SCC for Planning, Design & Engineering – 5.2 (A)	First installment due three months after the date of Order to Commence subject to the commencement of activities at site by Contractor for Civil Works.	Instead of 3 month It should be 1 month because of time is essence of completion of project.	Accepted.
22.	SCC for Planning, Design & Engineering – 5.2 (A)	Second installment upon submission of the Overall Planning Report to the Owner	Within 1 month from submission of report	Accepted.
23.	SCC for Planning, Design & Engineering – 5.2 (A)	Third installment upon approval of the Overall Planning Report by the owner.	Within 1 month from submission of report	Accepted.
24.	SCC for Planning, Design & Engineering – 5.2 (B)	First installment due three months after the date of Order to Commence subject to the submission and approval of detailed design plan commensurate with the construction planning.	within 2 month from submission	Accepted.
25.	SCC for Planning, Design & Engineering – 5.2 (B)	24 (Twenty Five) monthly installments commencing after six months from date of Order to Commence or three months from the payment due under item C(i) above whichever is later, provided the construction of Civil Works can proceed without delay caused by lack of drawings.	24 monthly installment to cover 26 month completion time	Necessary changes are being made in the Bid Documents to bring the monthly payments in line with the construction schedule
26.	SCC for Planning, Design & Engineering – 5.2 (C)	Second installment upon first review by the owner and compliance by the Contractor of the observations and suggestions of the first review by the Owner due at least nine months after the submission of the draft manuals.	Instead of nine month it shall be 3 months	Necessary changes are being made in the Bid Documents

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27.	SCC for Planning, Design & Engineering – 5.2 (C)	Third installment upon approval of the draft manuals and submission of desired final copies of the manuals by the Contractor to the Owner due at least six months after the first review and compliance of the draft manuals as stipulated under item D.ii above.	Instead of six month it shall be 3 months	Necessary changes are being made in the Bid Documents
28.	SCC for Planning, Design & Engineering – 5.2 (D)	First installment due three months after the date of Order to Commence subject to the commencement of activities at site by Contractor for Civil Works 30 (Thirty) monthly installments commencing after six months from date of Order to Commence	26th monthly installment from start	Necessary changes are being made in the Bid Documents
29.	SCC for Planning, Design & Engineering – 5.4	A retention amounting to 5% (Five Percent) of the approved Progress Certificate shall be made by the Engineer-in-charge from all the payments corresponding to Progress Certificates.	As mentioned above	Necessary changes are being made in the Bid Documents to bring the monthly payments inline with the construction schedule
30.	SCC for Civil Works – 4.1	Payments for all items of the Civil Works shall be made at the rates stipulated in the Bill of Quantities, incorporated in the Contract, for the quantities executed as per Drawings, limited to the Contract Price.	Payment should be regulated as per approved drawing, milestone payments and prorata rate activity completion e.g. power house 1st payment should be released after complete excavation...2nd should be release after the completion of raft of sub structure3rd after completion of sub structure4th should release after super structure upto crane beam level.....5th should release after above crane beam level.....6th 2nd stage concreting....payment schedule can be made other structure also. This payment activity can be divided into % also.	The payment schedule shall be clearly elucidated in the amendments to the RFP document with the guiding principle of linking the payment with the progress of work.

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31.	SCC for Civil Works – 4.2	Payments for additional quantities (if any) over and above the BOQ for items included in the BOQ shall also be paid for at the rates stipulated in the Bill of Quantities incorporated in the Contract, for the actual quantities executed as per Drawings, limited to the Contract Price.	Contract should not be based on BOQ. It should be based on % completion activity. Additional quantity would be time over run. If any scope to additional qty it will lead time over run & this is not fix contract form.	The provision is an enabling mechanism for both the parties and also for the purpose of meeting any contingency situation / additional requirement of the owner. Therefore Bid document shall prevail.
32.	SCC for Civil Works – 4.3	In addition to the above, payments for substituted and extra (new) items executed by the Contractor with the approval of the Owner as per Drawings for the Civil Works shall be made at the rates derived as per Article 12.3 of these conditions and paid up to the Contract Price.	Same as above. Bidder should bid per MW cost & Bill of quantity given in tender document / DPR is made for indication only.	The provision is an enabling mechanism for both the parties and also for the purpose of meeting any contingency situation / additional requirement of the owner. The Bid document shall prevail.
33.	SCC – 6.1	(a) The Owner will make, if so opted for by the Contractor, a mobilization advance to him exclusively for the costs of mobilization in respect of the Works in an amount not exceeding 5 (Five) percent of the Contract Price, which shall be paid in four equal installments and successive installments shall be subject to utilization of previous installment.....	Please refer our below comment on terms of payment for civil, H&M & E&M	The provision of the Bid document shall prevail.
34.	SCC – 6.3	Monthly Payment	Please refer our below comment on terms of payment for civil, H&M & E&M	Payment terms have been clearly defined in the document.
35.	SCC – 6.4	A retention amounting to 5% (Five Percent) of the approved Progress Certificate due, determined in accordance with the procedure set out in Article 6.2 (g) hereof shall be made by the Engineer-In-Charge in the	5% retention to be released within 1 month of successful commissioning of entire project	Payment terms have been clearly defined in the document.

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		payment made against the first and following Progress Certificates. 1.1.1		
36.	SCC – 10.2	To prove the weighted average efficiency of the generator as guaranteed in the Owner's Requirements, a field test will be carried out on each generator according to the IEC. If the guaranteed performance is not reached in the field test, then the Contractor shall take all practical steps to repair, adjust or replace parts of the generator, so that the generator shall meet the required guarantee when re-tested within a period of 3 months. If as a result of such a test and/or retest the guaranteed weighted average efficiency is not achieved then the Contractor shall pay liquidated damages of INR 1,40,000 only (INR One Lakh Forty Thousands only) per generator for each 0.1% (decimal one percent) that the actual weighted average efficiency is less than the guaranteed weighted average efficiency. Fractions of 0.1% (decimal one percent) shall be prorated. The same amount of liquidated damages shall be payable for each of the other generators. However, the deviation in Generator Efficiency beyond a tolerance limit of 1% shall be summarily rejected by the owner.	Efficiency test of the generator shall be carried out in the work shop only and witness by the owner	Efficiency tests have to be done at site only which is a standard practice for such projects.
37.	SCC – 16	Subject to Article 27 (Defects Liability Period) of GCC, the Contractor's warrantee and liability for own software included in the Works shall be limited solely to the elimination of reproducible errors and malfunction thereof, provided the software is installed on hardware supplied or authorized by the Contractor, the Contractor is granted sufficient access by the Owner and is provided with all documentation and information to trace the error. Instead of eliminating errors in the supplied version of software, the	Noted. Property software can not be furnished. However open software and programming can be furnished and owner manpower trained on that.	Accepted.

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		Contractor shall have the right to establish an error free later version and supply the same at no additional cost to the Owner, The newer version so implemented, shall be compatible with the existing hardware supplied or authorized by the Contractor. With respect to standard software licensed from others, the Contractor's warranty and liability shall be limited solely to the warranties and liabilities by the licenses of such software provided by their developers.		
38.		TERMS OF PAYMENT FOR CIVIL, E&M AND H&M WORKS (OTHER THAN PLANNING, DESIGN AND ENGINEERING ETC)	5% advance / mobilization advance against an equivalent BG for each major activity civil, E&M and H&M works. 5% payment against within 3 months OR once planning / design / engineering drawings are approved, whichever comes later 85% on prorata basis, based on completion on trade activity of each structure 5% retention to be released within 1 month of successful commissioning of entire project.	Bid Provision shall prevail
Queries raised by M/s Seftech India Pvt. Ltd				
1.	Volume 1 (Clause 7.2)	However, the proposed Sub-Consultant / Sub-Contractors is required to meet the following minimum eligibility criteria for the respective activities for which they are proposed to be engaged	You have specified some eligibility criteria for sub-contractors, which we believe need not be submitted now and the bids will be submitted by the empanelled EPC contractor/Consortium Firm only. Thus, bidders will be at liberty to choose sub-contractors as per their past performance, after the contract is awarded.	Bid Provision shall prevail.

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			At the time of execution of the contract, approval for sub contract shall be taken by the EPC contractors.	
2.	Volume 3 (Clause 30)	Contract Performance Guarantee/ Security Deposit	You have mentioned that performance guarantee is required to be submitted by the sub-contractors as well in the name of JAKEDA. We request you to wave-off this condition as the performance guarantee of required value has to be submitted by sub-contractor in the name of the EPC contractors who will take the overall responsibility of the complete project.	Bid Provision shall prevail.
3.	Volume 1 (Clause 6.3)	Bidders shall submit a declaration as per the Form-ITB.3 without any qualification whatsoever that the submitted Techno-Commercial Bid and the Price Bid proposal, are without any deviations and are strictly in conformity with the Bid Documents issued by the Owner.	We request you to withdraw this condition as in the tender each bidders shall define its technical specification in accordance with the best design and equipment selected by it, which may not be exactly the same as the specifications mentioned by you in the tender document but will meet the overall performance required. The bidders may provide comments, suggestion, alternatives etc. along with their clarifications/justifications, which can be discussed while evaluating the technical bid.	The condition is excluding the deviations permitted as per the Clause 4 of the Section 1 of RfP (Introduction to the Bidder).
4.	Volume 1 (Clause 6.2)	The Bidder shall provide a project specific assured financial commitment from an Indian Nationalized/Scheduled Bank or a foreign Bank/Financial institution of international repute,	We understand that a project specific financial commitment will be needed from the contractor after the contract is awarded to him and not at the time	Bank Guarantee is not required under this clause. Bidder needs to provide a certificate from an Indian

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		equivalent to INR 50 Lakh per MW (INR Fifty Lakh per MW) for meeting their Working Capital requirement. In case of a foreign Bank/Financial Institution the financial commitment should be duly confirmed by its correspondent Indian bank. The commitment of financing shall be unconditional and irrevocable and valid for the entire Construction Period including extensions/delays etc.	of bidding. As the requirement is to meet the working capital for smooth execution of the project, it may be in the form of general liquidity certificate issued by the bank and not necessarily in the form of any Bank Guarantee.	Nationalized/ Scheduled Bank of having assured financial commitment of INR 50 Lakh/MW for meeting their WC requirement.
5.	Volume 1 (Clause 21)	The Bid shall be accompanied by a Bid Security for an amount of INR 10 Lakh / MW (INR Ten Lakh per MW)	As per the views expressed by various bidders in the Pre-bid meeting held on 9.11.2017, it is requested to kindly reduce the bid security amount to Rs. 5 Lac per MW and the validity period from the 180 days from the bid submission date.	This is reduced to INR 10 Lakh/ Project in view of requests by various bidders both during pre bid conference and in writing.
6.	Mobilization Advance		For a project of this magnitude the mobilization advance of 10% for the total contract value should be considered against submission of bank guarantee and this advance shall be adjusted against the payments of bills to the contractor.	Accepted.
7.	Volume 1 (Clause 9)	The TIME FOR COMPLETION of the Project, including time required for creation of construction facilities and Infrastructure Works, shall not exceed 47 months for first and 48 months for second Generating Unit reckoned from the Date of Order to Commence (Article 22 of GCC).	TIME OF COMPLETION: All completion period should be calculated from the date of commencement of contract which should be treated as date of receipt of mobilization advance after signing of the contract agreement. The time of completion should also be suitably extended whenever there is delay in making progress payments. PROGRESS PAYMENTS: All	Bid Provision shall prevail.

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			payments should be made within 15 days of submission of invoices.	
8.	Volume 1 (Clause 20.2)	Bidders are requested to submit their Bids in the Office of Bidding Process Coordinator (BPC), on or before 30th November, 2017 by 1500 Hrs. in a single sealed Envelope super scribed "Bids for Execution of Sewa I Small Hydroelectric Project on EPC Mode". The Techno-Commercial Envelope of the Bids shall be opened 5th December, 2017 at 1400 Hrs.	As was decided in the Pre-bid meeting, the site visit has been scheduled from 21st to 25th November, 2017 and all 5 tenders are extremely elaborate and needs lot of preparation before submission of bids. It is absolutely necessary to have at least one month time after completion of site visits for submission of the bids. We therefore, request you to kindly extend the bid submission date to 29th December, 2017. Please note that it will be detrimental to your interest to insist for a hurried bid submission by the EPC contractors who are required to do lot of co-ordination for such tenders.	Bid submission date has been extended upto 20 th December 2017
Queries raised by Tata Projects Limited				
1.	Volume 1 (Clause 21.1)	The Bid shall be accompanied by a Bid Security for an amount of INR 10 Lakh / MW (INR Ten Lakh per MW)	As per the guidelines of Dept. of Financial Services, Ministry of Finance, Govt of India (MOF), a separate Bank Guarantee is to be sent to the advising bank i.e. Beneficiary's bank through SFMS only, after which only paper Bank Guarantee could become operative. In view of the above we request you to provide us following details: Beneficiary Bank and branch Name: Bank Code: IFSC Code:	(i) <u>Beneficiary Bank</u> :- J&K Bank Ltd. (ii) <u>Branch</u> :- Moving Secretariat Srinagar / Jammu (iii) <u>IFSC Code</u> :- JAKA0Moving (iv) <u>MICR Code</u> :- 180051012

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2.	Volume 1 (Clause 8.3)	The Scope of Work also includes the Operation & Maintenance of the Generating Units for a minimum period of 05 years.	We presume that the Operation and Maintenance of generating units shall be unit wise shall be given as below: For 1 st generating unit – It shall commence from the date of commissioning of 1 st generating unit i.e. after 34 months For 2 nd generating unit – It shall commence from the date of commissioning of 2 nd generating unit i.e. after 35 months For 3 rd generating unit – It shall commence from the date of commissioning of 3 rd generating unit i.e. 34 months Kindly confirm.	Bid Provision shall prevail.
3.	Volume 1 (Clause 9.3)	The Bidder shall indicate Intermediate Milestone dates, as stipulated in Article 12 of the Special Conditions for Civil Works (Section-II). Any delay in attaining any of the targeted intermediate milestone dates shall in each case attract liquidated damages @ 0.01 % (One hundredth percent) of Contract Price for Civil Works per day of delay.	Reference of Article 12 of Special Conditions of Civil Works (Section - II) has been provided in this article of ITB for intermediate Milestone dates. However Article 12 of Special Conditions for Civil Works (Section -II) is not related to intermediate milestone dates. Since unit wise LD provisions are already made, we request you to delete the provisions of Art. 9.3 (ITB) 1.1.2	Bid provision to prevail.
4.	Volume 1 (Clause 10)	The generating unit(s) to be commissioned by the Bidder shall provide the rated output at the generator terminals and a power factor of 0.9 with a tolerance limit of $\pm 5\%$. In-case the generating unit(s) fail to generate guaranteed rated output at the generator	There is conflict in provision for liquidated damages clause between ITB, Cl. 10, Pg.13, and SCC sect. 6.3, Cl. 10.2, Pg 106 as both the clauses refer to failure to meet the	Bid provision to prevail

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		terminals with a power factor of 0.9 as set out in Article 9 of GCC, then the Liquidated Damages shall be recovered from the Bidder equivalent to the capital cost of the project on pro-rata basis for the shortfall in terms of MW in output at generator terminal.	efficiency/output of generating units. Since the provisions in SCC prevails over ITB, we request you to delete the clause under ITB, Cl. 10, Pg.13. Kindly confirm	
5.	Volume 1 (Clause 14)	The RFP/ Tender Documents shall comprise the documents and structure as listed herein below: Volume-I Section-1: Instructions to Bidders. Section-2: Bid Forms. Volume-II Section-3: Project Profile. Section-4: Owner's Requirement including Technical Specifications Volume-III Section-5: General Conditions of the Contract. Section-6: Special Conditions of the Contract. Volume-IV Section-7: Bid Proposal Sheets. Volume-V Section -8: RFP (Tender) Drawings,	We request you to provide- 1) Drawings as part of Volume-V, Sec-8, preferably in Autocad form 2) Contour Plans 3) Survey and Investigation Reports 4) Geotechnical Investigation Reports	The information has been uploaded on the official website of JAKEDA
6.	Volume 2 (Clause 8.4.2)	Construction of Transmission Line is not under the Scope of Works of this Contract.	Construction of transmission line is excluded from Contractor's scope as given in Project Profile and Supply of Structures, wires, cables and equipment etc. for Power Transmission line and Transportation, storage, erection, testing & commissioning of power transmission line are included in Contractor's scope as per Bid proposal sheets, Sheet 7.1, Pg. 6 and 7. We understand that the scope of	The responsibility of the EPC Contractor terminates at the Power House Switch Yard. Beyond this point the transmission of power shall be the responsibility of JAKEDA which may undertake the work itself or through the State Transco.

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			transmission line shall be removed from Contractor's scope. So, kindly provide the corrected BOQ.	
7.	Volume 3 (Clause 21.1)	Provided that the Contractor shall not be entitled to recover any such extra cost unless he gives written notice of his intention to claim to the Owner within thirty days of the Owner's order. The Owner shall determine such extra payment which shall in his opinion be fair and reasonable. The Owner shall also consider extension of time to be granted for the completion of the Works on account of such period of suspension, which shall in the opinion of the Owner be fair and reasonable. However, the Contractor shall not be entitled to any extension of time under this Article on account of any suspension where such suspension is covered by paragraphs (a), (b), (c) and (d) of Article 21.1 above.	In case of any suspension of work for reasons not attributable to contractor. Contractor shall be entitled for cost and time compensation. Kindly confirm.	Bid provision to prevail.
8.	Volume 3 (Clause 24)	However, if the Works is delayed on account of the following events and affect the Time for Completion of the Works: Force Majeure as defined in Article 36, orthe public in fear	We request you to add the following: If works is delayed on account of the events such as general strikes in J&K and terrorist actions with J&K and affect Time for completion of works, then the contractor shall be entitled to an extension of time. Kindly confirm.	Bid Provision shall prevail.
9.	Volume 3 (Clause 33.1)	The Contractor shall be responsible for payment of all Taxes/ GST/ duties/ levies/ cess etc. The Contractor's prices are deemed to be inclusive of all such taxes/duties/levies etc.	We understand that our quoted rates shall be inclusive of Labour Cess. Kindly confirm. Also, kindly clarify the applicability of Entry Tax and water cess benefits in the project and any benefits/concessions which can be availed for this project.	The quoted rates shall be inclusive of all taxes and duties etc. It is the responsibility of the bidder to make himself fully aware of all the taxes/duties etc. and any other laws applicable to the EPC contracts.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
10.	Volume 3 (Clause 33.7)	Import of Construction Equipment and construction materials are not entitled to concessional customs duty under the Project Imports as per the extant Policy of the Govt. of India. Deemed export benefits are also not available for items of Construction Equipment and construction materials as per the extant Foreign Trade Policy of Govt. of India. The Owner, as such, will not issue any certificate for availing any project import /deemed export benefits for items of Construction Equipment and construction materials.	Kindly confirm if benefits of concessional customs duty under the Project Imports are available for HM and EM items/equipment imports.	The Bidder is required to make his own assessment of the same. JAKEDA shall have no responsibility on this account apart from facilitation in the form of writing any communication to concerned authorities if needed so.
11.	Volume 3 (Clause 36.4)	Time for performance of the relative obligation suspended by the force majeure shall stand extended pursuant to Article 24 hereof to the extent the effect of such occurrence affects the Time for Completion.	In case of occurrence of any force majeure events irrespective of its occurrence period, contractor shall be entitled for time and cost compensation. Request you to add events such as floods, rainfall, cloud bursting, strikes, act of terrorism as part of Force Majeure events. Kindly confirm.	Bid Provision shall prevail.
12.	Volume 3 (Clause 46.1)	The Site will be handed over to the Contractor along with various roads in the Project Area on "as is where is" basis without any cost to the Contractor.	Request you to hand over the entire site, free of encumbrance, on the date of Letter of Acceptance to the contractor. In case of any delay in handing over of site to Contractor, Contractor shall be entitled to suitable extension of time and cost compensation. Kindly confirm	The process of getting land and other clearances are in advanced stage Substantial part of land is expected to be made available to the EPC Contractor upfront and remaining as per requirement and work plan.
13.	Volume 3 (Clause 46.1)	Within 30 days of the date of signing of the Contract the Contractor shall submit for the Owner's approval the Contractor's phased requirement of additional land for the various Permanent Works and Temporary	Request you to consider that – Land required for all site infrastructure such as Contractor's office, batching plant, labour	Land will be acquired strictly as per project components. Any additional land for

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
		Works to meet the Contractor's working programme. The Owner shall arrange the balance requirement of the land at no cost to the Contractor excepting the land required for development of the Contractor's infrastructure for his men, material and Construction Equipment during construction and maintenance period. The land for development of Contractor's infrastructural works for his men, material and Construction Equipment shall be arranged by the Contractor at his own cost. However, the Owner shall assist in taking of such land on ownership/lease by the Contractor.	accommodation etc. shall be provided free of cost to contractor by the Employer. Kindly confirm.	contractors facilities shall be the responsibility of the EPC Contractor . This is suggested to be hired on rent by the EPC contractor.
14.	Volume 3 (Clause 12.6)	Provided further that the total payment to the Contractor including those provided in BOQ and new items, as above, shall be subject to ceiling limit of the Contract Price provided for in Article 3.0 of these conditions i.e. total payment to the Contractor shall in any case not exceed 110% of the Contract Price.	We understand that payment towards new items shall be as per procedure given under Cl. 12.3. We request you to consider that no ceiling limit shall be applicable. In case if total payment exceeds 110% of the Contract Price, kindly elaborate on how the payment procedure will be made	Bid provision shall prevail.
15.	Volume 3 (Clause 5.1)	The Contractor shall be entitled to an interest free mobilization advance in an amount equivalent to 5% (Five percent) of the Contract Price. Payment of such mobilization advance amount will be due under separate certification by the Engineer-In-Charge after (i) provision by the Contractor of the Performance Security in accordance with Article 30 of GCC and (ii) provision by the Contractor of an unconditional bank guarantee in a form and by a bank acceptable to the Owner in amounts and currencies equal to the Mobilization Advance in the form as per Annexure 6.3.3.	Kindly provide the procedure of recovery of advance for HM and EM works.	The recovery of Mobilization Advance for HM & EM works shall commence in the next Progress Certificate following that in which the total of all gross Progress Certificates approved by the Owner has reached 30(Thirty) percent of the Contract Price and shall be made prorata of mobilization advance

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
				released from the gross payment of all Progress Certificates in such a manner that the mobilization advance shall be completely repaid prior to the time when 90 percent of the Contract Price has been certified for payment. The gross payment shall mean and include the payment towards scheduled items, extra items, deviated items, altered items including price adjustments for the purpose of this sub Article only.
16.	Volume 3 (Clause 2.2.1)	Operate & Maintain the Plant including applicable services and discharge all obligations as defined in the O & M Responsibility Matrix as per Annexure - 1 during the Operational Phase on round the clock basis.	Kindly confirm the O&M Responsibility Matrix as per Annexure-1	It shall be provided in the amendments to the RFP.
17.	Unforeseen condition		In case of occurrence of unforeseeable physical condition and causing delay in such event, Contractor shall be entitled for suitable extension of time and cost compensation. Kindly confirm	Please refer to Article 21.1 of the General Conditions of Contract.
18.	Unforeseen condition		We request you to consider – Any works related to shifting/diversion/ protection of underground surface of overhead utilities and its related approvals shall be the	Bid document shall prevail.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
			responsibility of Owner. In case of any delay due delay of such works and its related approvals for reasons not attributable to the Contractor, Contractor shall be entitled for suitable extension of time and cost compensation. Please confirm.	
Queries of Consortium of Saiurja Hydrel Projects (P) Ltd and SRM Contractors Pvt. Ltd.				
1.	Volume I (Clause 20.2)		Last date for submission of bid may be extended for 2 months.	Suitable time extension has been granted
2.	Volume I (Clause 21.1)		Bid Security may be reduce to 50%	This is reduced to INR 10 Lakh / Project as many bidders have requested for it.
3.	Volume I (Clause 9.1)		The time period may considered 1 month after the mobilization to the site by the bidder.	Bid provision shall prevail.
4.	Volume III (Clause 6.1)		Land with boundaries or fencing may provide i/c access path.	Securing the work areas and facilities by way of fencing etc shall be the responsibility of the Contractor
5.	Volume III (Clause 6.2)		JAKEDA will assist to acquire the additional land if required for the smooth execution of project.	While necessary care has been taken to ascertain the requirement of land and the process of clearances of the same has been initiated accordingly, in-case the bidders feels that addition land is required for the construction purpose he may raise the

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
				same immediately after the site visit and not during the submission of the bid.
6.	Volume III (Clause 6.4)		JAKEDA will assist the bidders in acquiring all requisite licenses.	JAKEDA shall facilitate the contractor in acquiring all the required licenses
7.	Volume II, Section – 3 Project Profile , Cl. 1, Pg- 4		Please specify Maximum Head, Minimum Head and corresponding monthly discharge available.	It has already been provided.
8.	Volume-II Section 4.1.2 and 4.1.3 of Civil Works Clause 3.1		Trench Weir with intake well silt collector has been proposed over the stream which has design flood of 1843 M3/ Sec. The type of structure may be reviewed keeping in view high flood discharged in the stream	Yes, necessary protection works to be provided corresponding to HFL. The successful bidder is also at liberty to propose alternate design for consideration by the Client.
9.	Volume-II Section – 3 Project Profile , Cl. 8.3.1, Pg- 7		We suggest digital governor.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
10.	Volume-II Section – 3 Project Profile, Cl. 8.3.2,Pg- 8		We propose excitation system for generators to be brushless type.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
				appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
11.	Volume-II Section – 3 Project Profile, Cl. 8.3.3 , Pg-9		We propose generator step up transformer should be three phase instead of single phase. There is no requirement of spare transformer for this rating of project. Please clarify.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
12.	Volume II , Section – 3 Project Profile, Cl. 8.3.6 , Pg-9		We will offer best suitable SCADA scheme for efficient and user friendly interface, operation of units from control room & operator stations.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
13.	Volume II , Section – 3 Project Profile , Cl. 8.3.8 , Pg-9		We propose to provide auxiliary power requirement through oil type station auxiliary transformer instead of dry type transformer.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
				escalating cost.
14.	Volume II , Section – 3 Project Profile, Cl. 8.3.10 , Pg- 9		PLCC system is not required & also not applicable in 33 KV voltage level.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
15.	Volume II , Section – 3 Project Profile, Cl. 8.4.1 , Pg- 9		We propose 33 KV indoor switchgear instead of 33 KV outdoor switchyard. Also Double bus arrangement is not required for 33 KV outdoor switchyard. Please clarify the requirements	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
16.	Volume II , Section – 3 Project Profile, Cl. 14 Salient Features, Cl. XII ,Pg- 13		We propose to be flexible on selecting the speed of turbine & let E&M supplier to decide the speed of turbine in order to achieve best possible efficiency and setting of machine.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
17.	Annexure 7.4.4.A "Minimum Qualifying Requirement of proposed Sub-contractor for Electro-mechanical works"	1.1.3	We understand by "successfully commissioned at least three power stations." Include thermal power station as well and which are located in country other than India will also be considered.	The subcontractor shall have experience in the same area of work which is proposed to be subcontracted. Hence only hydro Electric Projects would be considered; with the experience from these projects both within and outside the country acceptable.
18.	General		33 KV at the time of commissioning of units be provided by JAKEDA prior to the commissioning of unit.	The same is being provided
Queries of Consortium of Sai Engineering Foundation				
1.	Volume I (Clause 20.2)		Date of submission of bid may be extended for 45 days to fulfil the bid requirement of Civil, Hydro-Mechanical and Electro Mechanical Equipment's healthy competitive bidding	Has been suitably extended.
2.	Volume I (Clause 9.1)		The Time Period may reckoned from the date of actual handing over the disputed free private and forest land to the successful bidders	Bid provision shall prevail.
3.	Volume I (Clause 21.1)		Bid Security may reduce to INR 5 lakh/MW	Reduced to INR 10 Lakh / Project as many bidders have requested to reduce the same
4.	Volume II (Section 4.1.1 of Civil works clause 14.5)		POC in the tunnel lining has been shown as M-15 which may be M-20 for water retaining structure as per IS-3370 (Part-I): 2009 (Clause 6.1	Lining is designed as a cracked section & not as per BIS code referred, regarding M15/M20 there

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
	Concrete Mix design)		Table-1)	may be typing error & will be rectified in the amendments. All lining works of tunnel shall be with M20 grade of concrete.
5.	Volume II (Section 4.2.2 of HM works clause 2.1)		Penstock material may be as per IS 2002 GR-3 or its equivalent like IS-2002 GR-II, ASTM 516 GR-70/285 GR-C, etc	Equivalent material may be used but it must be techno-economically equivalent and as per modern best practices.
6.	Volume III, Section 6.1, Clause 2.3, Additional Technical data and information related to the projects		Copy of Detailed Project Report (DPR) for Sewa-I SHP Project may be provided. Detailed survey coordinates of acquired land and benchmark may be provided to relocate the project alignment as well as component locations	All the requisite technical details of the project as well as the drawings have already been shared with the Bidders.
7.	Volume III, Section 6.2, Clause 4.1, Payment for all items of the civil works shall be made at the rates stipulated in the BOQ	2	Please clarify whether the payment shall be released on achieving the various milestones as fixed by the contractor / owner or any other basis for the execution of all civil work or bidder has to submit its own payment schedule.	The payment schedule shall be clearly elucidated in the amendments to the RFP document with the guiding principle of linking the payment with the progress of work.
8.	Volume III, Annexure to Section 6.2, Clause 1.1, any		In addition to required land for project components, the land for its access / footpaths / road, setting up of camp office, labour colonies,	Land shall be acquired by JAKEDA for project components including muck Dumping areas and

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
	additional land required for development of contractors infrastructural works for his men, material and construction shall be arranged by the contractor at his own cost		workshops, stockyards, site good for muck dumping including its access and crusher etc may also be provided by JAKEDA. JAKEDA will assist to acquire the additional land if required in case of change if alignment due to Geological or geotechnical consideration or due to unforeseen reasons.	access roads to project components. Additional land if any for contractors facilities like camp office, labour shelter etc shall have to be arranged by the Contractor at his own cost. It is suggested to take such land on rent. With regard to land as a result of change of alignment it is clarified that implementation of alternate design shall be only after approval of JAKEDA in which case additional land if any shall be acquired and provided.
9.	Volume III, Section-6.4, clause 9.1, The contractor shall be responsible for clearance of all materials.		We shall install portable stone crusher at site and requisite clearances shall be provided by JAKEDA. License to store explosive shall be provided by the JAKEDA. The explosive magazine license shall be facilitated by JAKEDA. Please clarify whether JAKEDA has acquired land for aggregate sand quarries	Explosive license shall be obtained by the Contractor for which case shall be recommended to concerned authorities by JAKEDA. Likewise clearance for portable stone crusher too shall be obtained by the EPC contractor with facilitation by JAKEDA.
10.	Volume IV, Section 7 – bid Proposal Sheets)		Soft copy of Bid Proposal Sheets in excel format may be provided to bidder for filling the rates	The same may be provided

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
11.	Volume II, Section – 3 Project Profile, Cl. 1, Pg- 4		Please specify Maximum Head, Minimum Head and corresponding monthly discharge available.	It is already made available.
12.	Volume II , Section – 3 Project Profile, Cl. 8.3.1, Pg- 7		For turbine governor, we propose latest state of art digital governor with nitrogen based accumulator oil pressure system, instead of air oil pressure system.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
13.	Volume II , Section – 3 Project Profile, Cl. 8.3.2,Pg- 8		We propose excitation system for generators to be brushless type instead of static excitation (due to technical and economic advantages of brushless excitation for such ratings of hydro generators.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
14.	Volume II , Section – 3 Project Profile, Cl. 8.3.3 , Pg- 9		We propose generator step up transformer should be three phase instead of single phase due to technical and economic advantages of three phase transformers which are mostly used in underground carven type power house where there is space limitation to house the step up transformers There is no requirement of spare	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
			transformer for this rating of project. Please clarify.	
15.	Volume II , Section – 3 Project Profile, Cl. 8.3.5 , Pg- 9		We shall provide low pressure air compressor system which is required for turbine shaft seal and station air service purpose only. We shall propose generator brakes as hydraulic operated instead of air brakes due to technical and economic advantages.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
16.	Volume II , Section – 3 Project Profile, Cl. 8.3.6 , Pg- 9		We propose that additional unit controller near each unit locally is not required in our system as we will best suitable SCADA scheme for efficient and user friendly interface, operation of units from control room & operator stations.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
17.	Volume II , Section – 3 Project Profile, Cl. 8.3.8 , Pg- 9		We propose to provide auxiliary power requirement through oil type station auxiliary transformer instead of dry type transformer due to technical and economic advantages	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
18.	Volume II , Section – 3 Project Profile, Cl. 8.3.9 , Pg- 9		We propose crane capacity to be deleted by E&M supplier, based on the heaviest package to be lifted in the power house.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
19.	Volume II , Section – 3 Project Profile, Cl. 8.3.10 , Pg- 9		PLCC system is not required & also not applicable in 33 KV voltage level, therefore we propose to delete the same from the scope of work and if required the same may be clarified.	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
20.	Volume II , Section – 3 Project Profile, Cl. 8.4.1 , Pg- 9		We propose 33 KV indoor switchgear instead of 33 KV outdoor switchyard as this will result in technical and economic advantages and will also reduce the land requirement for the project and cost saving on civil part, Also Double bus arrangement is not required for 33 KV outdoor switchyard. Please clarify the requirements	The Contractor may suggest most suitable system, JAKEDA shall provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
21.	Volume II , Section – 3 Project Profile,		We propose to be flexible on selecting the speed of turbine & let E&M supplier to decide the speed of	The Contractor may suggest most suitable system, JAKEDA shall

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
	Cl. 14 Salient Features, Cl. XII ,Pg- 13		turbine in order to achieve best possible efficiency and setting of machine.	provide necessary approval if found appropriate, but if not found satisfactory, bidder has to provide necessary requisites without escalating cost.
22.	Annexure 7.4.4.A "Minimum Qualifying Requirement of proposed Sub-contractor for Electro-mechanical works"		We understand by "successfully commissioned at least three power stations." Include thermal power station as well and which are located in country other than India will also be considered.	The subcontractor shall have experience in the same area of work which is proposed to be subcontracted. Hence only hydro Electric Projects would be considered; with the experience from these projects both within and outside the country acceptable.
23.	General		As 33 kV transmission line is not in our scope, we request for availability of transmission line at the time of commissioning of units, as back charge of units is required at the time of commissioning of units. Commissioning / Synchronizing of units is not possible without transmission line availability. Therefore in view of above, we request JAKEDA to make sure availability of charged transmission line prior to the commissioning of units, Please also confirm island operation of machines is not envisaged in the project.	JAKEDA shall be responsible for making the transmission line available at the time of commissioning of units.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
Queries of SPML Infra Limited				
1.	Clause 21.1 (Page 22 of 68)	Bid Security The Bid shall be accompanied by a Bid Security for an amount of INR 10 Lakh / MW	We request you to consider furnishing of bid Security of INR 1 Lakh/MW instead of INR 10 Lakh / MW. The capacity of HEP are small and the Bid Security of INR 10 lakh / MW is too high considering the proposed capacity of the SHP.	It is revised to INR 10 Lakh / Project as many bidders have requested to reduce the same
2.		Mobilization Advance	We request you to consider release of Mobilization advance to the extent of 10% of the contract value as under: <ul style="list-style-type: none"> • 5% mobilization for site mobilization • 5% for mobilization of the plant & Machinery 	Mobilization advance has been enhanced from 5% to 10%.
3.	Clause 20.2 (Volume 1)	Submission of Bid Bidders are requested to submit their bids in the Office of Bidding Process Coordinator on or before 30 th November 2017	As specified in the RfP, due date for submission of bid is on 30 th November 2017 which is too short considering the volume of work involved in the preparation of the proposal. We therefore request you to kindly grant us extension in the submission date by at least 3 weeks	Suitable time extension has been granted.
Queries of Sai Engineering Foundation				
1.	Clause 8.3.1 (Volume 2)	Turbine Efficiency = 91.0%, Generator Efficiency =96.5%, Combined Efficiency = 86.9%	With this data efficiency shall be 87.815, may please correct it	In case Dringla Project, kindly read the figure of turbine efficiency as 90% hence Combined Efficiency will be 86.9%.
2.	Clause 8.3.1 (Volume 2)	4.75 MW at a power factor of 0.85 and rated output of 4750 KVA	It shall be 5588.28 KVA	Rated out at generator end has to be 4750KW

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
3.	Clause 8.3.3 (Volume 2)	The generator would be air cooled in a closed system designed to meet class F insulation temperature limits with air water heat exchangers	When the power house is surface type, air cooled generator shall do	It shall be closed loop water cooling system.
3A	Section 3, 8.3.3 Transformer, Page 8	The transformers would be rated 6.2/33/ $\sqrt{3}$ single phase, 50 Hz, OFWF type.	It may be 6.6/33/ $\sqrt{3}$	Agreed
4.	Clause 8.3.4 (Volume 2)	This system will also supply potable water and sanitary service water through a water treatment plant	The sanitary service water requirement may be indicated	Bidder to assess as per standard norms.
5.	Clause 8.3.5 (Volume 2)	Oil pressure system of the spherical valves	The valve is butterfly type, may please correct it	It should be spherical valve.
6.	Clause 8.4 (Volume 2)	Power Evacuation: The 33 kV Outdoor Switchyard would have double bus arrangements to ensure reliability and flexibility in switching without interruption. There would be total 3 No. of bays	We propose 33 KV indoor switchgear instead of 33 KV outdoor switchyard, as this will result in technical & economic advantage and will also reduce the land requirement for the project and cost saving on civil part. Also Double bus arrangement is not required for 33 KV outdoor switchyard. Please clarify the requirements	Switchgear shall be indoor. JAKEDAs approval for detailed specification shall be obtained at the stage of detailed engineering.
7.	Clause 8.4.2 (Volume 2)	Laying double circuit 33 kV transmission line from the Project Switch Yard to terminal bay end (Delivering End)	Actually there will be two number transformer bays, One number bus coupler bay, 2 number outgoing bays (since double circuit line is there). Total 5 bays, PPV, Penstock protection valve does not appear in this section 3 it may be included	We propose to have single circuit transmission line only.
8.	Clause 14 (Volume 2)	Type and size of MIV: Spherical; 1.6 m dia	The MIV asked is butterfly Valve	Type of valve proposed shall be Spherical valve

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
9.	Clause 8.3.2 (Volume 2)	The Excitation system of the generator would be of the static type and include digital voltage regulator, field suppression equipment and the associated accessories.	Please note that in such rating of Generator Brushless Excitation system is offered. Please confirm	Agreed but specifications shall be approved from JAKEDA at detailed engineering stage.
10.	Clause 8.3.4 (Volume 2)	The power station will be provided with appropriate cooling water system and fire protection system fed from the tailrace.	We shall provide portable fire extinguishers for such capacity of machines	The arrangement shall work under gravity with sufficient storage and required network. 2.1.1
11.	Clause 8.3.5 (Volume 2)	One compressed air plants will be provided to meet the requirement of the governor oil system, oil pressure system of the spherical valves, generator brakes and other station pneumatic tools.	As per the latest engineering practice we recommend nitrogen accumulator type oil pressure system instead of pneumatic type. For station pneumatic tools we recommend a LP air compressor	Latest practice are welcome but approval of specifications from JAKEDA is required at detail engineering stage.
12.	Clause 1.1 Sec 4.3.2-4.3.3 (Volume 2)	General, Transportation Limitation	Please provide the transportation limit of the project	Bidder to check by visiting the site.
13.	Clause 1.2 Sec 4.3.2-4.3.3 (Volume 2)	The offer shall include also one set of spares as indicated elsewhere under this specification corresponding to components of the turbine and associated equipment	We could not find list of spares in the specification. Please provide the same	Spares shall be provided as clarified elsewhere.
14.	Clause 1.3 Sec 4.3.2-4.3.3 (Volume 2)	Hydraulic System and Data, Operating Conditions	There seems to be discrepancy in the provided data. Request you to please recheck and confirm the data provided in the table. Also please confirm the following -Minimum net head and maximum net head expected for the turbine operation -Tailwater level corresponding to one unit full/maximum load operation	Updated sheets being uploaded at JAKEDA site.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
15.	Clause 1.9 ii Sec 4.3.2-4.3.3 (Volume 2)	Successful Bidder shall submit all relevant drawings for fabrication along with design calculations of components of E & M equipment within 2 (two) weeks from the issuance of Notification of award of contract, for approval.	Shall be submitted as per agreed documents list and Master Time schedule. No calculation or proprietary drawing shall be shared with the customer	Bidder need to furnish all calculations & drawings as asked by JAKEDA.
16.	Clause 1.11 Sec 4.3.2-4.3.3 (Volume 2)	Should the Bidder wish to depart from these specifications, he shall submit a complete and itemized list of such departures together with full particulars of the reasons for the departures in a separate schedule with reference to section and paragraph numbers of these tender specifications along with the Bid.	Please confirm if bidder is allowed to take deviation on the tender conditions	In such cases bidder may take deviations at detailed design stage. Subjected to approval of JAKEDA with cost remaining neutral.
17.	Specification Sec 4.3.2-4.3.3 (Volume 2)	Two sets of Runner, Turbine housing, needle and spare operating assembly, deflector	Being a Francis machine there will be no needle and spear operating assembly and deflector	Yes there shall be no needle etc as mentioned. There shall be no COL.
18.	Output efficiency guarantees and penalty Sec 4.3.2-4.3.3 (Volume 2)	Turbine output and efficiencies at net heads of 99.97 m shall be stated in the tender. It shall also be stated in the bid, if turbine output above 4750 kW is feasible on a continuous basis and to what extent, based on increased flow/ available head	Please clarify if there is any overload requirement in the Generator, Turbine and Generator will be accordingly designed for overload requirement. Also, please specify the expected increased flow available in order to do the turbine sizing for overload.	No COL. Required
19.	Weighted Average Efficiency Sec 4.3.2-4.3.3 (Volume 2)	Weighted average efficiency and rated output of the prototype turbine will be verified after installation and commissioning of the generating units on the basis of field acceptance tests on both or any unit to be decided by the owner.	Please confirm if the field acceptance test shall be performed on one unit or both the units	Both units
20.	Weighted Average Efficiency Sec 4.3.2-4.3.3 (Volume 2)	Penalty for shortfall in Weighted Average efficiency and rated output	Please clarify the penalty figures for shortfall in weighted average efficiency and output of Turbine	Provided in the bid document.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
21.	Runaway Speed Sec 4.3.2-4.3.3 (Volume 2)	All rotating parts and bearings shall be capable of withstanding continuously, the run- away speed attained with Guide vanes fully open and the generator disconnected and un-excited and with maximum head on the turbine, without any damage to any part of turbine-generator combine for every such occurrence without time restrictions, provided that the cooling water arrangement is functional; and for 30 minutes without cooling water to the machine bearings	As per standard practice, bearings are generally designed to withstand runaway speed for 15 minutes with cooling water. Kindly modify the clause accordingly	Same is accepted subject to approval of JAKEDA at the detailed engineering stage.
22.	Cavitation Guarantees Sec 4.3.2-4.3.3 (Volume 2)	In addition, the bidder shall also be liable to bear the revenue loss on account of loss of generation.	Please delete this requirement	This clause cannot be deleted as net head and rated discharge has already been zeroed in , any modification required may accounted in tender, and such cases shall need to rechecked at detailed design stage subjected to approval of JAKEDA, These issues in general shall dealt with modern practices.
23.	Bid Evaluation Sec 4.3.2-4.3.3 (Volume 2)	The design, speed and setting of the turbine shall also be a factor that will be considered while evaluating the bids.	We understand that bidder is free to choose turbine speed and setting. Specified speed in tender documents is indicative only. Please confirm.	Yes it may be taken as indicative.
24.	Shaft and Coupling Sec 4.3.2-4.3.3 (Volume 2)	The turbine shaft may be connected to the runner on one side and to the generator shaft on the other side.	As per general practice we offer generator shaft with overhung runner. No separate turbine shaft is required	Agreed.
25.	Type & rating of generator Sec 4.3.2-4.3.3 (Volume 2)	The generator shall be designed and constructed for easy maintenance and repair/replacement of stator coils and rotor bars.	Referring to unit size/rating cylindrical pole generator is envisaged for the project. Please note that we will offer coils with Global	May be taken up at detailed design stage subject to approval from JAKEDA.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
			VPI technology therefore it is not feasible to repair/replace individual coils.	
26.	Weighted Average Efficiency Sec 4.3.2-4.3.3 (Volume 2)	The penalties for output and efficiency shall be computed separately and the Total amount of penalty shall be the sum of these two with no upper limits.	Please restrict the upper limit of Penalty as 5% of the Contract Price of E&M Equipment only	Bid provision shall prevail.
27.	Speed Relays, Toothed wheel Over speed Sec 4.3.2-4.3.3 (Volume 2)	A toothed wheel arrangement is to be mounted on the shaft of the generator and a photo interceptive pick up has to be mounted on a bracket and connected to speed relay mounted on turbine control panel through a special screened cable.	We will provide tooth wheel arrangements in Generator and speed sensors in Governing System. Please accept	At detailed design stage subject to approval from JAKEDA.
28.	Clause 8.3.2 Sec 3 (Volume 2) Rotor Sec 4.3.2-4.3.3 (Volume 2)	Each synchronous generator would be of horizontal shaft, salient pole type, three phase, 50 Hz and directly coupled to the turbine. The design and construction of salient pole rotor shall be in accordance with the best modern practice.	Most of the manufacturers offer cylindrical construction of rotor for similar rating of the Generators Kindly accept	At detailed design stage; subject to approval from JAKEDA.
29.	Clause 8.3.2 Sec 3 (Volume 2) Type and Rating of Generator Sec 4.3.2-4.3.3 (Volume 2)	The generator would be air cooled in a closed system designed to meet class F insulation temperature limits with air water heat exchangers equipped with duplex strainers, mounted on the stator frame, provided with a fire protection system and also appropriate protection IC-01	We shall supply the open air cooled IC 01 Generator with IP 23 degree of enclosure protection	At detailed design stage; subject to approval from JAKEDA.
30.	Clause 8.3.3 Sec 3 (Volume 2) 2.1.2 2.1.3	The generator step up transformers proposed would be single phase units necessary to meet the transportation limitations of the project site. The transformers would be rated $6.2/33/\sqrt{3}$ single phase, 50 Hz, OFWF type. 2.1.4	There is discrepancy in two clauses of specifications regarding the type of cooling for Generator step up Transformers. However, as the transformers are	ONAN is acceptable

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
	Detail scope of supply Sec 4.3.2-4.3.3 (Volume 2)	The supply of 6.5 MVA, 33/6.6 kV, 3 phase, step-up generator transformers shall comprise: Type of cooling: ONAN	installed outdoor we shall offer ONAN type of cooling Kindly accept	
31.	Clause 8.3.10 Sec 3 (Volume 2)	The power house and switchyard would also have illumination system, grounding system, Public address system and PLCC system.	We do not find specifications for Public address system and PLCC system. Kindly Confirm	This shall be as per the latest design and specifications prevalent in the Industry. subject to approval from JAKEDA.
32.	Clause 4 Sec 3 (Volume 2) Seismicity Sec 4.3.2-4.3.3 (Volume 2)	As per seismic zoning map prepared by Indian Meteorological Department IS 1893 (Part-I): 2002 the project area falls in Zone-IV The project area lies in an active seismic region, zone V of the Seismic Zoning Map of India	Kindly clarify the seismic zone to be considered as there is discrepancy in the two specified clauses.	Zone V
33.	LT Switchgear Sec 4.3.2-4.3.3 (Volume 2) Constructional details of 6.6kV Switchgear Panel	Breaking capacity: 50 kA Protection Class- IP-54 Switchboards shall be of dust-proof, vermin-proof construction and shall be provided with a degree of protection as per IP54 of IS: 3427	As per the standard practice, we provide all indoor panels with IP-42 degree of protection while outdoor panels shall be provided with IP 55 enclosure degree of protection	At detailed design stage; subject to approval from JAKEDA.
34.	Construction details of Distribution Board Sec 4.3.2-4.3.3 (Volume 2) Constructional details of 6.6kV Switchgear	All the steel cubicles of distribution board shall conform to IS: 4237 and IS: 2675 and shall be fabricated from heavy gauge steel sheets. Front, rear, top & bottom sides shall be not less than 2.5 thick steel sheets All frames and load bearing members of the switchgear panel shall be fabricated using suitable mild steel structural sections or pressed and shaped cooled rolled steel sheet of thickness not less than	As per standard practice all the Panels manufactured under CRCA sheet steel with thickness 1.6mm for non Load Bearing parts and 2 mm for Load bearing parts of the panel. Kindly accept the same.	At detailed engineering stage; subject to approval from JAKEDA.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
	Panel (Vol 2)	2.5mm. Frames shall be enclosed in cold rolled steel sheet of thickness not less than 2mm.		
35.	Generator Transformer and UAT Sec 4.3.2-4.3.3 (Volume 2)	one number of 6.6/0.415 kV, 125 kVA, three phase, dry type indoor Unit Auxiliary transformer. The supply of 200 kVA, 6.6/ 0.415 kV, three phase, Dyn11 step down, transformer shall comprise:	There is discrepancy in the rating of the Unit Auxiliary Transformer as at one place it is mentioned 125 KVA while at other place it is mentioned as 200 KVA in the specifications. Kindly review and confirm	200 KVA.
36.	SF6 Gas Handling equipments Sec 4.3.2-4.3.3 (Volume 2)	Portable SF6 gas filling plant with the provision for gas handling/ filling shall be supplied. The plant shall comprise of trolley with compressed SF6 gas	SF6 handling equipment is generally provided for 132 KV and above switchyards and no. of bays are higher. However, for 132KV switchgear panels both vacuum type and SF6 type technology are available. In both the cases we do not recommend for the SF6 gas handling equipments. Kindly accept.	At detailed engineering stage; subject to approval from JAKEDA.
37.	Type Tests Sec 4.3.2-4.3.3 (Volume 2)	Type Tests	We submit the Type test reports of similar or higher rating equipments for your review and approval during execution instead of conducting the type tests. Kindly accept the same	Bid Provision shall prevail.
38.	Power and Control Cable Sec 4.3.2-4.3.3 (Volume 2)	The single core 6.6 kV XLPE insulated stranded tinned copper cables, extruded semi-conducting compound screened, extruded PVC inner sheathed, galvanized steel strip armoured, extruded FRLS PVC outer sheath The LT power cables shall be of 1.1 kV earthed grade stranded tinned copper conductor, extruded HR- PVC insulation, extruded PVC inner sheath, galvanized steel strip armoured and over-all extruded FRLS	We propose for XLPE insulated Aluminium conductor cables for 6.6 KV and 1.1 KV Power Cables Kindly accept	At detailed engineering stage; subject to approval from JAKEDA.

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
39.	Mechanical Power Equipment Details Sec 4.3.2 (Volume 2)	The mechanism shall comprise of 2 (two) electric motors to drive the four wheeled bridge while ensuring equal speed.	The speed of movement of Crane is not mentioned in tender specification and lift height also not mentioned. Kindly confirm	standard practice / code provision to be followed and for height & lift capacity shall depend upon the equipment type / size/design.
40.	Runway Rails Sec 4.3.2-4.3.3 (Volume 2)	The total length of the runway rails shall be as essentially required.	Please provide the total length of bay	Please refer Power house drawing , and shall as per the requirement of power house equipment layout and dimensions.
41.			Details to be required: Creep Speed, Type of Power feeding and Type of hook required. Kindly confirm	Standard practice / code provision to be followed and for height & lift capacity shall depend upon the equipment type / size/design.
42.	Special Tools, Slings and Devices Sec 4.3.2-4.3.3 (Volume 2)	Centrifuging type turbine oil filtering system of ample capacity shall be covered. The filter capacity shall be such as to centrifuge the entire quantity of all oils of the bearings, OPU etc. in a span of 4 hours.	AHPL suggest touse electrostatic Filtration for oil purification. Kindly accept.	May be worked out from your end or shall be taken up at detailed design stage, subject to approval from JAKEDA.
43.	Cooling Water Systems Sec 4.3.2-4.3.3 (Volume 2)	The pumping shall be carried out from a sump located in the tail race, specifically designed to meet the CW requirement of the units. Generally raw water is tapped from penstock and supplied as cooling water in the system through suitable pumps and filters. In JK, during rains silt contents in the raw water are high. This causes chocking of water filters. Hence EPC should design suitable Cooling tank which will be the part of cooling water system. Thus cooling water system will have closed loop system and it will need very small amount of water to top up to take care of evaporation losses.	Request you to kindly confirm the type of cooling water system. If form tail race. Kindly confirm if open loop or closed loop is required.	From tailrace, closed loop

S. No.	Reference Clause	Existing Provision	Bidder's Query/Suggestion	Reply/Clarification
		EPC contractor should also supply suitable flow monitoring relay in the cooling water system which will monitor the flow and in case there is no flow it will trip the machine. He should also provide cooling tower tank level monitoring and control system so that system will confirm that there is sufficient level in the cooling tower tank if not it will trip the machine.		

No:-ST/EDA/SHP-RFP/60/2017/3761

Date:-30.11.2017

Sd/-
Chief Executive Officer,
JAKEDA