

**Corrigendum to NIT No. ST/EDA/10MW-K/36/2017/3434 dated 18.10.2017 for Request for Proposal (RFP) for Engineering, Procurement & Construction package of Kahmil (2 X 5 MW) Small Hydro Electric Project**

Sl No.	Clause No.	Current Clause	Amendment/Addendum																																																
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)	The Bid shall be accompanied by a Bid Security for an amount of INR 10 Lakh (INR Ten Lakh). <b>Beneficiary Bank details are indicated below:</b> <b>(i) Beneficiary Bank :- J&amp;K Bank Ltd.</b> <b>(ii) Branch :- Moving Secretariat Srinagar / Jammu</b> <b>(iii) IFSC Code:-JAKA0Moving</b> <b>(iv) MICR Code:- 180051012</b>																																																
2	Volume 1 (Clause 9.1)	The TIME FOR COMPLETION of the Project, including time required for creation of construction facilities and Infrastructure Works, shall not exceed 35 months for first and 36 months for second Generating Unit reckoned from the Date of Order to Commence (Article 22 of GCC).	The TIME FOR COMPLETION of the Project, including time required for creation of construction facilities and Infrastructure Works, shall not exceed <b>29 months</b> for first and <b>30 months</b> for second Generating Unit reckoned from the Date of Order to Commence (Article 22 of GCC).																																																
3	SCC for Planning, Design & Engineering – 5.2 (A)	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Performance/ Period of Payment</th> <th>Payment</th> </tr> </thead> <tbody> <tr> <td><b>A</b></td> <td><b>Overall Planning Report</b></td> <td></td> </tr> <tr> <td>i.</td> <td>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.</td> <td>35% of price of Item A as given in the Price Breakup</td> </tr> <tr> <td>ii.</td> <td>Second installment upon submission of the Overall Planning Report to the Owner</td> <td>40% of price of Item A as given in the Price Breakup</td> </tr> <tr> <td>iii.</td> <td>Third installment upon approval of the Overall Planning Report by the owner.</td> <td>20% of price of Item A as given in the Price Breakup</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td><b>B</b></td> <td><b>Detailed Design</b></td> <td></td> </tr> <tr> <td>i.</td> <td>First installment due three months after the date of Order to Commence subject to the submission and approval of detailed design</td> <td>11% of price of Item B as given in</td> </tr> </tbody> </table>	S. No.	Performance/ Period of Payment	Payment	<b>A</b>	<b>Overall Planning Report</b>		i.	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.	35% of price of Item A as given in the Price Breakup	ii.	Second installment upon submission of the Overall Planning Report to the Owner	40% of price of Item A as given in the Price Breakup	iii.	Third installment upon approval of the Overall Planning Report by the owner.	20% of price of Item A as given in the Price Breakup				<b>B</b>	<b>Detailed Design</b>		i.	First installment due three months after the date of Order to Commence subject to the submission and approval of detailed design	11% of price of Item B as given in	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Performance/ Period of Payment</th> <th>Payment</th> </tr> </thead> <tbody> <tr> <td><b>A</b></td> <td><b>Overall Planning Report</b></td> <td></td> </tr> <tr> <td>i.</td> <td>First instalment due <b>One Month</b> after the date of Order to Commence subject to the commencement of activities at site by Contractor for Civil Works.</td> <td>35% of price of Item A as given in the Price Breakup</td> </tr> <tr> <td>ii.</td> <td>Second instalment <b>within One Month</b> upon submission of the Overall Planning Report to the Owner</td> <td>40% of price of Item A as given in the Price Breakup</td> </tr> <tr> <td>iii.</td> <td>Third instalment <b>within One Month</b> upon approval of the Overall Planning Report by the owner.</td> <td><b>25%</b> of price of Item A as given in the Price Breakup</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td><b>B</b></td> <td><b>Detailed Design</b></td> <td></td> </tr> <tr> <td>i.</td> <td>First instalment <b>within Two months</b> after the date of Order to Commence subject to the submission and approval of detailed design</td> <td>11% of price of Item B as given in</td> </tr> </tbody> </table>	S. No.	Performance/ Period of Payment	Payment	<b>A</b>	<b>Overall Planning Report</b>		i.	First instalment due <b>One Month</b> after the date of Order to Commence subject to the commencement of activities at site by Contractor for Civil Works.	35% of price of Item A as given in the Price Breakup	ii.	Second instalment <b>within One Month</b> upon submission of the Overall Planning Report to the Owner	40% of price of Item A as given in the Price Breakup	iii.	Third instalment <b>within One Month</b> upon approval of the Overall Planning Report by the owner.	<b>25%</b> of price of Item A as given in the Price Breakup				<b>B</b>	<b>Detailed Design</b>		i.	First instalment <b>within Two months</b> after the date of Order to Commence subject to the submission and approval of detailed design	11% of price of Item B as given in
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Sl No.	Clause No.	Current Clause		Amendment/Addendum	
			plan commensurate with the construction planning.	the Price Breakup	
		ii.	24 (Twenty Four) 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.	3.5% of price of Item B as given in the Price Breakup payable per month	
		<b>C</b>	<b>Commissioning and O&amp;M Manuals</b>		
		i.	First installment upon submission of complete draft manual due at least twelve months after the date of Order to Commence.	40% of price of Item C as given in the Price Breakup	
		ii.	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.	30% of price of Item C as given in the Price Breakup	
		iii.	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.	25% of price of Item C as given in the Price Breakup	
		<b>D</b>	<b>Design Liaison with the Owner for approval</b>		
		i.	First installment due three months after the date of Order to Commence subject to the	5% of price of Item E as given in	
			plan commensurate with the construction planning.	the Price Breakup	
		ii.	28 (Twenty Eight) monthly instalments 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.	3.178% of price of Item B as given in the Price Breakup payable per month	
		<b>C</b>	<b>Commissioning and O&amp;M Manuals</b>		
		i.	First instalment six months prior to commissioning upon submission of complete draft manual.	40% of price of Item C as given in the Price Breakup	
		ii.	Second instalment three months prior to commissioning upon first review by the owner and compliance by the Contractor of the observations and suggestions of the first review by the Owner.	30% of price of Item C as given in the Price Breakup	
		iii.	Third instalment one month after commissioning upon approval of the draft manuals and submission of desired final copies of the manuals by the Contractor to the Owner.	30% of price of Item C as given in the Price Breakup	
		<b>D</b>	<b>Design Liaison with the Owner for approval</b>		
		i.	First instalment due three months after the date of Order to Commence subject to the commencement of activities at site by	5% of price of Item E as given in the Price Breakup	

Sl No.	Clause No.	Current Clause		Amendment/Addendum	
			commencement of activities at site by Contractor for Civil Works.	the Price Breakup	Contractor for Civil Works.
			30 (Thirty) monthly installments commencing after six months from date of Order to Commence	3 % of price of Item E as given in	<b>27 (Twenty Seven)</b> monthly instalments commencing after six months from date of Order to Commence <b>3.518 %</b> of price of Item E as given in
4	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.		A retention amounting to 5% (Five Percent) of the approved Progress Certificate shall be made by the Engineer-in-charge from all the payments/ <b>each payment</b> corresponding to Progress Certificates.	
5	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.		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. <b>The bidder to ensure that the Prices quoted are within the range as stipulated in the Annexure2 to the Corrigendum of RFP.</b>	
6	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.		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. <b>The above condition is excluding the deviations permitted as per the Clause 4 of the Section 1 of RfP (Introduction to the Bidder)</b>	
7	Volume 3 Section 6.2 Clause (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.		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 <b>10 (Ten) percent</b> of the Contract Price, which shall be paid in four equal instalments and successive instalments shall be subject to utilization of previous instalment.	
8	Volume 3 Section 6.3 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.		The Contractor shall be entitled to an interest free mobilization advance in an amount equivalent to <b>10% (Ten percent)</b> of the Contract Price.	

Sl No.	Clause No.	Current Clause	Amendment/Addendum
			<p><b><u>Paragraph to also include:</u></b>  <i>The recovery of Mobilization Advance for HM &amp; 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 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.</i></p>
9	Volume 3 Section 6.3		<p><b><u>Paragraph to also include:</u></b>  <i>Following steps shall be followed for finalizing the schedule of payment</i></p> <ul style="list-style-type: none"> <li><i>I. Approval of Drawing</i></li> <li><i>II. Estimation of quantities based on approved drawing and determination of milestones</i></li> <li><i>III. Release of payment based on quantity ascertained above till the total payment for a particular component reaches 60% of value of the said component</i></li> <li><i>IV. Release of balance payment based on agreed milestones beyond the level of 60%</i></li> </ul>
10	Form ITB.15		<p><b><u>Following point to be included:</u></b>  <i>6) The liability of Local Partner/Entity forming part of the Consortium as per Clause 1.3 of Section 1 (Volume 1) of NIT No. ST/EDA/10MW-K/36/2017/3434 dated 18.10.2017; shall be limited to his percentage shareholding in the Consortium.</i></p>
11	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.	Operate & Maintain the Plant including applicable services and discharge all obligations as defined in the O & M Responsibility Matrix as per <b>Annexure - 1 of Corrigendum to RFP</b> during the Operational Phase on round the clock basis.

Sl No.	Clause No.	Current Clause	Amendment/Addendum
12	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	The generator would have <b>closed loop water cooling system</b> designed to meet class F insulation temperature limits with air water heat exchangers
13	Clause 8.4 Section 3 (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	Switchgear shall be indoor. JAKEDAs approval for detailed specification shall be obtained at the stage of detailed engineering.
14	Clause 8.4.2 Section 3 (Volume 2)	Laying double circuit 33 kV transmission line from the Project Switch Yard to terminal bay end (Delivering End)	Laying <b>single</b> circuit 33 kV transmission line from the Project Switch Yard to terminal bay end (Delivering End)
15	Clause 8 Section 3 (Volume 2)		<b>Following to be included in the paragraph:</b> <i>Any change in the specification shall require approval from JAKEDA at Detailed Design Stage.</i>
16	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	<b>Soft copy in word format is being provided separately</b>

No: ST/EDA/10MW-K/36/2017/3833

Date: 07.12.2017

Sd/-  
Chief Executive Officer  
JAKEDA

## Annexure - 1

### O&M Responsibility Matrix

Sl. No.	Description of Work / Activity	Responsibility Matrix / Scope
		EPC Contractor
1	Total Operation & Maintenance of the Plant	√
2	Start-up Power & DG/BATTERY	√
3	Water of required quality & quantity.	√
4	Inventory Management – Spares & Consumables	√
5	Spares	√
6	Chemicals for Cooling Water System	√
7	Consumables and Lubricants	√
8	Furnished accommodation for Operator personnel	√
9	Personal Protective Equipment	√
10	Mechanical workshop with equipments	√
11	Maintenance of Internal roads, building and all major/minor civil works	√
12	Insurance for the Plant & Machinery as applicable, claim management.	√
13	Personnel Insurance	√
14	Regular, Preventive, Breakdown maintenance	√
15	Condition Monitoring	√
16	Annual Maintenance Contract with OEM/ other vendors	√
17	Schedule Maintenance	√
18	General purpose tools & tackles	√
19	Special Tools &Tackles	√
20	Suitable Office accommodation & furniture including storage facilities, rest room, change room & office equipment facilities.	√
21	IT equipments and maintenance, telephone at office	√
22	Medical facilities in the plant	√
23	Statutory compliances environmental aspects electrical inspectorates factory inspectorate / licensing and permits from local central authorities	√

## Annexure-2

Sheet 7.1

### TOTAL CONTRACT PRICE

Sl. No.	Description of Works/ Component	%	Onshore Component		Offshore Component			
			INR (Indian Rupees)		Currency-1		Currency-2	
		Range of Total Price	In Figures	In Words	In Figures	In Words	In Figures	In Words
<b>A.</b>	<b>Contract Price</b>							
1	Planning, Design & Engineering.							
2	Civil Works	40-45						
3	Supply of Hydro-Mechanical Plant & Machinery	28-34						
4	Supply of Electro-Mechanical Plant & Machinery	16-20						
5	Supply of Structures, Wires, Cables and equipment etc for Power Transmission Line							
6	Transportation, Storage, Erection, Testing & Commissioning of Hydro- Mechanical Plant & Machinery							
7	Transportation, Storage, Erection, Testing & Commissioning of Electro- Mechanical Plant & Machinery							
8	Transportation, Storage, Erection, Testing &							

Sl. No.	Description of Works/ Component	%	Onshore Component		Offshore Component			
			INR (Indian Rupees)		Currency-1		Currency-2	
		% Range of Total Price	In Figures	In Words	In Figures	In Words	In Figures	In Words
	Commissioning of Power Transmission Line							
9	Miscellaneous (Establishment, T&P, Receipts & Recoveries, Audit & Accounts, Land Revenue)	5.0-8.0						
	<b>Total Contract Price</b>							
<b>B.</b>	<b>O&amp;M Charges for 5 years</b>							
	<b>Total Price Including Contingencies &amp; O&amp;M Charges (A +B)</b>							

Note

- 1) Water Conductor, Steel Conduit shall be included
- 2) Prices quoted beyond the range would require approval from JAKEDA
- 3) Bidder needs to submit detailed BOQ for each component

**BREAK UP OF CONTRACT PRICE FOR CIVIL WORKS (For Kahmil SHP)**

Sl. No.	Description of Works/ Component	%	Onshore Component		Offshore Component			
			INR (Indian Rupees)		Currency-1		Currency-2	
		% Range of Total Price	In Figures	In Words	In Figures	In Words	In Figures	In Words
1	River Diversion Works	3- 5.5						
2	Intake, Approach Channel and Escape Channel	32-40						
3	Desilting Basin	2.5-4.5						
4	Power Channel and Intake Pool	0.5						
5	Head race Tunnel							
6	Surge Shaft	4.0-6.0						
7	Pressure Shaft/ Penstock	18-25						
8	Power House	10.0-13.0						
9	Tailrace System	0.5-1.0						
10	Switch Yard (included in Powerhouse)							
11	Project Buildings	2.0-3.0						
12	Other infrastructural works	12.0-15.0						
	<b>Total Price</b>							

Note :

- 1) Prices quoted beyond the range would require approval from JAKEDA
- 2) Bidder needs to submit detailed BOQ for each component