

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	  	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

Corrigendum XI

With reference to **NIB No. NEEPCO/PEN/IND/001**, below please find the responses to the bidders-queries on techno-commercial matters and Annexure 1 of this corrigendum.

Sl. No.	Part Name	Clause No.	Bid Queries	Response
1	Part 1		Revise bid due date to May 20th to give sufficient time for design criteria development and site visit, Q/A after site visit and building of detailed bid package for submission. Additionally, all of the procedures associated with the legal paperwork, bid security, etc., need much more lead time than is given, based upon our decision to bid being contingent on the design criteria, site visit and subsequent discussions on a realistic schedule and budget.	Corrigendum X issued extending the bid submission & opening date till 14-05-2019.
2	Part 1		Extension of Bid Submission by 3 weeks- 4 weeks	Corrigendum X issued extending the bid submission & opening date till 14-05-2019.
3	Part 1	Clause 1	Please remove cost estimate of \$22 million USD.	Bid stipulations shall prevail.
4	Part 1	Clause 1	Bid Date: Due to the large amount of information contained in this RFP and the intricacies involved with sourcing local labor; can the bid date for this project be extended?	Corrigendum X issued extending the bid submission & opening date till 14-05-2019.
5	Part 1	Clause 2	Section 2iv – Environmental Conditions: It is our understanding that the monsoon season starts the beginning of May in this part of India, which is also when this project is scheduled to start. There are a number of environmental restrictions when dealing with epoxies that may limit a contractor’s ability to install these materials during monsoons. Would it be possible to push the start date of the project towards the end of monsoon season? Section 2vi – Penstock #1: Will all of the work take place in Penstock #2 or will work also take place in Penstock #1? If work is to take place in	As the bid submission due date has been fixed on 14-05-2019 no further extension can be provided, unless considered essential. 1 st Pre-Bid Meeting queries No. 17 shall stand. The same is available on IndSTT website.

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

			Penstock #1, how much work will it be so that can be taken into considerations in our pricing?	
6	Part 1	Clause 4	Time of Completion should be removed and bidders should be requested to include their proposed preliminary schedule with bid submission.	The project duration has been extended to 200 working days.
7	Part 1	Clause 4	Completion time of in similar pipe projects has been 9 to 12 months. Completion time of 100 days is not feasible or realistic.	The project duration has been extended to 200 working days.
8	Part 1	Clause 4	Section 4 – Schedule: With all of the contractual review and execution timeframes, material reviews, design reviews, equipment fabrication, and local labor agreements that need to be put in place at the beginning of this project, a 100-calendar day schedule seems fairly unrealistic. Would it be possible to have a 200 working day schedule and for the project to start after monsoon season in order to ensure a quality installation and durable final product?	The project duration has been extended to 200 working days.
9	Part 1	Clause 5	Section 5 – Earnest Money Deposit: It is hereby requested that the earnest money deposit amount be lowered instead of 2% of the bid amount in order for the Owner to encourage a more competitive international bidding environment.	Bid stipulations shall prevail.



10	Part 1	Clause 6.2.1	<p>This requirement does not provide NEEPCO with the appropriate level of assurance regarding the experience level of the materials being utilized or the installation contractor. Industry best practice includes a minimum of 25-30 pipeline CFRP repair projects completed in the past 3 years. Additionally we would add that given the special circumstances and size of this project that NEEPCO should require installer to have completed a minimum of three (3) CFRP pipe repair projects which included at least 305 lineal meters addressed within the scope of work. We will provide owner contact information with certification that it is accurate, and we would be pleased to set up communication with the appropriate contacts. Collecting reference letters, given the timing, is not feasible. We also recommend that NEEPCO immediately speak directly to power generation facilities in the US who have used CFRP for pipeline repairs to gain more insight into project expectations and lessons learned. We would be pleased to provide contacts.</p>	<p>Please refer Annexure-A of this corrigendum.</p>
11	Part 1	Clause 6.2.1	<p>A minimum of 10 years and 10,000 m² surface area of documented FRP rehabilitation experience with a minimum of 1 km total pipeline rehabilitated and diameter of pipe that allows for man entry. The pipeline rehabilitation projects must be verifiable with reference letters, work orders or Certificates from respective Owners. The pipe rehabilitation experience should include minimum 750m of retrofit/rehabilitation work from inside of encased/buried steel pipe with pressured flow with in-situ wet layup GFRP/ CFRP system.</p>	
12	Part 1	Clause 6.2.1	<p>Section 6.2.1: It is hereby requested that the last sentence of this section be removed, "The pipe rehabilitation experience should include minimum 750m of retrofit/rehabilitation work from inside of encased/buried steel pipe with pressured flow with in-situ wet layup CFRP system;" as the other experience requirements in this paragraph are fine and they will more than suffice.</p>	

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

13	Part 1		<p>We will provide a list of project references with owner contact information and certification that the references are true and accurate. Providing copies of contracts is not feasible in the timing, nor is it permissible given the confidential nature of some projects.</p>	<p>Bid Stipulations shall prevail.</p>
14	Part 1	Clause 6.3 (i)	<p>Section 6.3i – Minimum Average Annual Turnover: It is hereby requested that the MAAT be dropped to “Minimum Average Annual Turnover of the bidder shall be reduced to allow participation by more bidders.</p>	<p>Bid stipulations shall prevail.</p>
15	Part 1	Clause 6.3 (ii)	<p>The confirmation of liquid assets shall be provided by our Chartered Accountants as per the provisions made in balance sheet.</p>	<p>Bid stipulations shall prevail.</p>
16	Part 1	Clause 6.3 (ii)	<p>Section 6.3ii – Liquid Asset: It is hereby requested that the liquid asset portion of these bid docs be removed and not required in order to encourage a more competitive international bidding environment.</p>	<p>The prospective bidders shall furnish certified details about their net worth, liquid assets, account receivable, values of contract at hand and balance sheets for past years.</p>
17	Part 1	Clause 6.3 (iii)	<p>Section 6.3iii – Net Worth: It is hereby requested that the net worth requirement portion of these bid docs be removed and not required in order to encourage a more competitive international bidding environment.</p> <p>Section 6.3 – Audited Financials: it is hereby requested that only two years of audited financials for the preceding 5 years be required to bid on this project and that a letter of adequacy and commitment from a banking institution of international repute not be required.</p>	<p>The benchmarking for acceptance shall be decided by NEEPCO and informed to all prior to opening of the financial bids.</p>



18	Part 1	Clause 6.4	<p>Joint-Venture Bidders: Individual Company/Firm, who do not individually fulfil the qualifying requirements indicated above can form Joint- Venture/consortium with other partner and its partner shall have a legally binding Agreement for joint and several responsibilities and should submit copies of such Agreements with the Bid. In the event of Joint-Venture/Consortium, the role of each partner, along with name of the lead partner, must clearly be indicated in the joint venture/consortium agreement. In no case shall the joint venture/consortium have more then 2(two) partners. One of the partner shall be nominated as the lead partner, and his authorization shall be evidence by submitting a Power of Attorney signed by legally authorized signatory(s) of the other partner. The lead partner shall be authorized by Joint-Venture/consortium to incur liabilities and receive instructions for and on behalf of the Joint-venture/consortium, and the entire execution of the contract, including payments, shall be done exclusively with the lead partner. Lead partner shall be solely responsible to the Owner for all the performance and commercial obligation of the contract. One of the partners of the Joint-Venture/Consortium shall either be a manufacturer of FRP or the manufactufactuter's authorized applicator. The manufactur's authorised applicator should have minimum 10 years of FRP application experience using the maufacturer's materials and system. The maufacturer's international pipe project references may contribute to the Joint-venture/consortium's experience indicated in the qualifying requirement at Clause 6.1 and 6.2 as the activities are to be performed within an existing buried steel penstock with limited access points and the liner has to perform as a single object. In the event that the Joint-Venture/Consortium is using the manufacturer's international pipe project references to fulfil the qualifying requirement at Clause 6.1 and 6.2, the manufacturere shall give the bidding Joint-Venture/Consortium a deed guaranteeing the materials, design and supervision for the same guarantee period as the main contract .</p>	Bid stipulation shall prevail.
----	--------	------------	--	--------------------------------

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

19	Part 1	Clause 7	Offline tender is preferred	Bid Stipulation shall prevail.
20	Part 1	Clause 7	Section 7 – E-Tendering Portal – Due to the numerous issues we have encountered while attempting to register on the e-tendering portal, and therefore our inability to acquire a DSC III certificate, it is being requested that another more user-friendly system such as email submission or drop box submission of the proposal documents also be an acceptable method of submission.	Bid Stipulation shall prevail.
21	Part 1	Clause 9	Not required if tender is offline	Bid Stipulation shall prevail.
22	Part 1	Clause 14	See comments above regarding bid date. Suggest Q/A deadline be moved out to May 6 (2 weeks prior to bid date) and that responses to final questions be issued no later than May 13 (1 week prior to bid).	Corrigendum X issued extending the bid submission & opening date till 14-05-2019.
23	Part 1	Clause 14	Extension of Bid Submission by 3 weeks- 4 weeks	Corrigendum X issued extending the bid submission & opening date till 14-05-2019.
24	Part 3	Clause 1.1.2	See previous comments regarding schedule (Part 1)	The project duration has been extended to 200 working days.
25	Part 3	Clause 1.1.2	Completion time of in similar pipe projects has been 9 to 12 months. Completion time of 100 days is not feasible or realistic.	The project duration has been extended to 200 working days.
26	Part 3	Clause 6	Section 6i – Taxes, Royalties, Cess, Duties, and Levies: In order to encourage more competitive international bidding, and with companies that may not be as familiar with doing work in India. Would it be possible for the Owner to provide a set percentage of the total value of the project that could be utilized to pay all required Indian taxes, royalties, cess, duties, and levies? Or would it be possible for the Owner to directly pay these fees and for all bidders to exclude them in their proposal?	Bid stipulations shall prevail.

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

27	Part 3	Clause 11	Custom Duty, Custom clearance Charges, Transportation, Taxes, GST etc. shall be payable by client as per Clause 7.2 of Part-5	The provisions given at Cl. 7.2, Part-V indicates the basis of arriving at the cost estimate. However, bidders shall work out their cost for the purpose of bidding following the relevant bid conditions viz, Clause No. 11 of Part-3(ITB), Clause 61 of Part-IVA of Bid Document etc. and their subsequent corrigendum's to be read with Clause No. 2 of Part-4(B).
28	Part 3	Clause 12	Section 12 – Currencies: Can the Owner please verify that all contract values and payments will be stated in the form of the price submitted on the proposal; therefore, if the proposer proposes in US \$ then the contract will be written and paid in US \$ and there will be no conversions to INR at any time?	Bid Stipulations and its subsequent Corrigendum shall prevail.
29	Part 3	Clause 15	Due to expedited nature of this work and 500 K USD of required bid bond the validity should be limited to 90 days	Bid stipulations shall prevail.
30	Part 3	Clause 23.3	<ul style="list-style-type: none"> - 18% on 15% of item No.2 is not clear as IGST - Who will take warranty if works are split in 2 vendors. - Inland Transportation, custom duty, clearance charges and other inland taxes as per Clause 7.2 of Part-5. 	<ol style="list-style-type: none"> 1. Regarding 18% on 15% of item No.2 is not clear as IGST, Corrigendum- V dated 15-04-2019 may be referred. 2. In the event of splitting of work, the respective PIA shall be responsible for the warranty of the portion of work executed by him. 3. The provisions given at Cl. 7.2, Part-V indicates the basis of arriving at the cost estimate. However, bidders shall work out their cost for the purpose of

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

				bidding following the relevant bid conditions viz, Clause No. 11 of Part-3(ITB), Clause 61 of Part-IVA of Bid Document etc. and their subsequent corrigendum's to be read with Clause No. 2 of Part-4(B).
31	Part 3	Clause 23.3	Section 23.3iic – Splitting of Work: The bidder requests the statement for splitting of work in this section be removed from the bid documents as this will drastically affect both bidders' unit prices on the job for their respective portions of the work.	Bid stipulations shall prevail.
32	Part 3	Clause 23.3.1	Given the low number of qualified bidders this potential option should be eliminated. If we do submit a bid we would not participate in this activity.	Bid stipulations shall prevail.
33	Part 3	Clause 23.3.1	Section 23.3.1 – Reverse Auction: The reverse auction process does not encourage quality work and partnering on a project, it encourages unqualified and irresponsible contractors to take on work with little to no margin that could be detrimental to the completion of the project. Therefore, it is requested that this the reverse auction provision of the bid documents be removed.	Bid stipulations shall prevail.
34	Part 3	Clause 27	Retention money should be included in CPG which should be a maximum value of 5% 50% of CPG amount should be kept as retention money and shall be released after work completion and balance as per the tender conditions. EMD deposite with tender should be adjusted with CPG for a successful bidder.	Bid stipulations shall prevail.
35	Part 3	Clause 27	Section 27 – Performance Guarantee: The requirement of the 10% performance guarantee will not be able to be funded unless payment is received for mobilization in advance of this being required. It is being requested that the mobilization be paid in full prior to the performance guarantee payment being required to be deposited.	Bid stipulations shall prevail.
36	Part 3	Clause 28	Mobilization advance should be interest free	Bid stipulations shall prevail.

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

37	Part 3	Clause 29	85% of secured advances to be given for materials brought at site to be added.	Bid stipulations shall prevail.
38	Part 3	Clause 32	3 Phase Power for 24 hrs (Normal or Generators) are required till inside of Penstock.	Bid stipulations shall prevail.
39	Part 4A	Clause 9	Remove limitation on Contractor's remedy to extension of time associated with delay in turning over portions of the stie; permit Contractor to claim and receive its actual costs resulting from such delay.	Bid stipulations shall prevail.
40	Part 4A	Clause 13	Section 13 – Water Supply: Page 3 Section 2 of the Special conditions states that the Owner will supply potable water for the project in sufficient quantities to satisfy the needs of the project, therefore, it is requested that Section 13 of the General Conditions be deleted in its entirety.	Clause 2 of Part-4(B) stipulates that Owner will provide water supply connection in Building / Cabin for accommodation of contractor’s personnel at Project site at Kimi , whereas Clause 13 of Part-4(A) stipulates that the Contractor shall make his own arrangement of water required for the purpose of construction and drinking water at construction site at his cost from available sources. Accordingly, the 1st sentence at Clause 13 of Part-4(A) of Bid Document shall be read as below: " <i>The Contractor shall make his own arrangement of water required for the purpose of construction and drinking water at construction site at his cost from available sources.</i> "
41	Part 4A	Clause 14	Section 14 – Watching and Lighting: Can the Owner please detail what the requirements of this section would be or how much watching/lighting will be required on the job in order for the contractor to adequately reflect this in his pricing?	Bid Stipulations shall prevail.

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

42	Part 4A	Clause 17	Section 17(i)(j) - other force majeure events should not be limited by Engineer's discretion, but should be subject to reasonableness standard. Section 17(iii) - remove limitation on Contractor's remedy to extension of time associated with force majeure event; permit Contractor to claim and receive its actual costs resulting from such delay.	Bid Stipulations shall prevail.
43	Part 4A	Clause 19	Indemnification requirements are extremely broad. Limit to claims that result from Contractor's wrongful actions or omissions, and then only to the extent resulting from such wrongful acts or omissions.	Bid Stipulations shall prevail.
44	Part 4A	Clause 20	This section precludes the Contractor from recovering (i) costs it has incurred for work not completed, such as materials it has ordered or fabricated, or (ii) costs it reasonably incurs to terminate work and demobilize from the site, including terminating subcontracts. This Section should be revised to add the foregoing costs to the amounts that Contractor can recover in the event of a termination for convenience.	Bid Stipulations shall prevail.
45	Part 4A	Clause 21	Section 24(iii) - Contractor should not bear the cost of accelerating the work, if it is delayed by causes for which it is not responsible. Rather, if owner directs that additional forces be used, or overtime or other mechanisms utilized to accelerate the work, such actions should be at Owner's expense.	Bid Stipulations shall prevail.
46	Part 4A	Clause 21	Section 21 – Reduction of Scope: Can the Owner please provide details as to what percentage of fluctuations in quantity will allow for an adjustment in unit pricing, such as 15% less than or greater than the quantities stated in the BOQ will allow for price renegotiations?	Bid Stipulations shall prevail.
47	Part 4A	Clause 25	The amount of liquidated damages is substantial, particularly when combined with the extremely aggressive schedule. A preferred solution is to cap the total exposure for liquidated damages at a fixed amount. Five percent (5%) of the contract value is an appropriate limitation. Also, liquidated damages should be the owner's sole damage for project delays.	Bid stipulations shall prevail.
48	Part 4A	Clause 25	There should be upper limit of maximum of 5% in case of delay.	Bid stipulations shall prevail.

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	  	Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019
--	--	---

49	Part 4A	Clause 25	Section 25 – Compensation for Delay: As the liquidated damages are 1% of the contract value per week of delay, can a cap be placed on the liquidated damages for this project such as 5% of the total project value?	Bid stipulations shall prevail.
50	Part 4A	Clause 29	Section 29 – Variations in Value of Work: Can the Owner please provide details as to what percentage of fluctuations in quantity will allow for an adjustment in unit pricing, such as 15% less than or greater than the quantities stated in the BOQ will allow for price renegotiations?	Bid Stipulations shall prevail.
51	Part 4A	Clause 33	Section 33iic – Deviations: The last two paragraphs of this section have allowable markups for change order work that will not even cover the costs of transportation in some instances, please consider 50% markup for labor, materials, and equipment and 20% of the cost of goods supplied by the Corporation, with transportation paid separately as a material cost as well and not included in the 20% markup.	Bid Stipulations shall prevail.
52	Part 4A	Clause 48	Section 48i – Material Testing: Please specific the frequency of all forms of testing including tensile testing, resin cup testing, and adhesion testing for the installed FRP materials. Please state of the contractor or Owner will be responsible for the cost of testing on this project.	<ul style="list-style-type: none"> <li data-bbox="1430 789 1898 922">(i) Regarding frequency of all forms of testing, please refer SI No. 28 of Annexure 1 of Corrigendum VIII. <li data-bbox="1430 930 1898 1206">(ii) Regarding cost of testing, Clause 46, Part-4(A) of Bid Document may be referred. Further, it is to be mentioned that PIA shall do the testing and cost of all testing shall be embedded in contract price except the Hydrostatic test. <li data-bbox="1430 1214 1898 1385">(iii) For Hydrostatic test, PIA is required to provide sufficient material and erection man power at Hyderabad which shall be available for the test

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

				duration. Cost of these inputs shall be borne by NEEPCO.
53	Part 4A	Clause 51	Section 51 provides, among other thing, that if Contractor does not object to measurements noted in the measurement book, they cannot be challenged at a later time. That requirement should be limited to measurements that the Contractor has signed, and that do not contain patent calculation errors.	All measurements shall necessarily require acceptance of PIA before releasing payment.
54	Part 4A	Clause 52	Retention is 10%. Contractor must also provide contract performance security. Based upon the contractor providing that security, reduce retainage to 5%.	Bid stipulations shall prevail.
55	Part 4A	Clause 52	Retention money shall be a part of CPG as explained earlier in Clause 27 (Part-3).	Bid stipulations shall prevail.
56	Part 4A	Clause 52	Section 52vb – Retention: As a 10% performance guarantee is already required on the project up front in the beginning of the project, it is requested that the 10% retention on the project stated in this section be deleted in its entirety.	Bid stipulations shall prevail.
57	Part 4A	Clause 55	This should be modified; the owner should be responsible for the actions of the engineer, if it results in damage due to incorrect payment or non-payment.	Bid Stipulations shall prevail.
58	Part 4A	Clause 56	This section is very broad. The EIC's right to make changes should be subject to clause 33.	Bid Stipulations shall prevail.

59	Part 4A	Clause 57	<p>Damage resulting from the acts or omissions of the Owner, or persons for whom the Owner is legally responsible, should be excluded from this clause.</p>	<ol style="list-style-type: none"> 1. Cl. 57 shall be read in conjunction with Cl. 19 of Part-4(A) of Bid Document. The PIA shall be responsible for loss or damage to the Works for which the Contractor is liable under the provisions of the Contract until the date of expiry of the Warranty Period. 2. The "Defects Liability Period" mentioned in Clause 19.13 of Part-4(A) of Bid Document shall be read as "Warranty Period".
60	Part 4A	Clause 66	<p>Section 66 – Training of Supervision Personnel: Can it be assumed that this training can take place in India via a webcast, or should it be assumed that all 15 individuals will need to be flown to the main headquarters of the company for the training? Who will be responsible for paying for 1 weeks of lodging, food, travel, and associated training fees? We have experience in this and have been offering a contractor training course for the last four years; in fact, we just completed one during April 1-3 to 12 participants from various countries; the 2.5-day course costs \$1500 per participant and the attendees pay for their own transportation and housing.</p>	<p>The cost of transportation and housing shall be paid by attendees. Any other cost should be embedded in the rates quoted by bidders.</p>
61	Part 4A	Clause 70	<p>Require, as a condition of Contractor continuing to perform during pendency of a dispute, that Owner continue to pay all amounts not subject to bona fide, good faith dispute, and that if such amounts are not paid, Contractor may, after five (5) days' notice, cease work until the amounts are paid. Contractor shall be entitled to an extension of the schedule during any such work stoppage.</p>	<p>Bid Stipulations shall prevail.</p>

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

62	Part 4A	Clause 71	<p>- Mobilization advance shall be interest free. - 85% of secured advance to be released by client for materials brought at site.</p>	<p>Bid stipulations and its subsequent Corrigendum-V shall prevail.</p>
63	Part 4A	Clause 71	<p>Section 71i – Mobilization Advances: If the tight schedule requested is to be maintained, large sums of money will be needed immediately upon contract execution and 10% will not cover these costs. It is requested that the mobilization advance be increased to 30% from 10%, be interest free, and for materials on hands payment to be allowed in addition to the mobilization payment.</p>	<p>Bid stipulations and its subsequent Corrigendum-V shall prevail.</p>
64	Part 4A		<p>APPENDIX I: LABOUR WELFARE Labor 1-2.04 – Drinking Water: Page 3 Section 2 of the Special conditions states that the Owner will supply potable water for the project in sufficient quantities to satisfy the needs of the project, therefore, it is requested that Section 1-2.04 of the General Conditions be deleted in its entirety.</p>	<p>Clause 2 of Part-4(B) stipulates that Owner will provide water supply connection in Building / Cabin for accommodation of contractor’s personnel at Project site at Kimi , whereas Clause 13 of Part-4(A) stipulates that the Contractor shall make his own arrangement of water required for the purpose of construction and drinking water at construction site at his cost from available sources. Accordingly, the 1st sentence at Clause 13 of Part-4(A) of Bid Document shall be read as below: "The Contractor shall make his own arrangement of water required for the purpose of construction and drinking water at construction site at his cost from available sources."</p>
65	Part 4A		<p>Labor 1-2.05 – Washing and Bathing Place: Page 3 Section 2 of the Special conditions states that the Owner will supply washing and bathing facilities for the project in sufficient quantities to satisfy the needs of the project, therefore, it is requested that Section 1-2.05 of the General Conditions be deleted in its entirety.</p>	<p>The responsibility of maintaining cleanliness and hygiene of the facilities provided by the Owner shall be the responsibility of PIA.</p>



66	Part 4A		Labor 1-2.06, 1-2.07, 1-2.08, and 1-2.09 – Sanitation: Page 3 Section 2 of the Special conditions states that the Owner will supply sanitation facilities for the project in sufficient quantities to satisfy the needs of the project, therefore, it is requested that Section 1-2.06 thru 1-2.09 of the General Conditions be deleted in its entirety. It is requested that the Owner provide all sanitation facilities ready for the start of this project and not just a sanitation connection, the schedule duration does not allow for infrastructure development, therefore, the Owner should work on providing these facilities in advance of the project.	The responsibility of maintaining cleanliness and hygiene of the facilities provided by the Owner shall be the responsibility of PIA.
67	Part 4A		Labor 1-2.11 Creches: This is not standard practice in the United States, and we request the Owner take responsibility for this item of work.	Bid Stipulations shall prevail.
68	Part 4B	Clause 2	Should be PIA instead of overseas or domestic contractor. Labour and staff accommodation to be provided by NEEPCO. Stoppage of water seepage and grouting of voids inside Penstock if required is the responsibility of NEEPCO as per 7.2 of Section-7 of Form-5 technical specification.	Bid Stipulations shall prevail.
69	Part 4B	Clause 3	The same qualifer "Unless otherwise provided in this contract" should be added to the first bullet point.	Bid Stipulations shall prevail.
70	Part 4B	Clause 5	Approval by NEEPCO should not be required if the contractor is a joint venture, and one of the joint venturers is also a subcontractor.	Bid Stipulations shall prevail.
71	Part 4B	Clause 7	This section references the 100 day duration, which is invalid. Please remove the reference to 100 days.	Bid Stipulations shall prevail.
72	Part 4B	Clause 15	We intend to carry it in USA or in Dubai?	Inspection shall be conducted at the manufacturers site.
73	Part 4B	Clause 15	Pre Shipping Inspection is not practical due to large volumes and multiple 40 foot containers involved in phased shipments of materials. No supplier/manufacturer will produce all materials at once without any guarantee of payment of materials. We propose payment 85% of the cost of materials at site upon inspection of received materials at site.	Bid Stipulations shall prevail.

Rehabilitation of Penstock in Kameng HEP using combination of CFRP and GFRP	 	<p style="text-align: right;"> Corrigendum XI NIB No. NEEPCO/PEN/IND/001 Date: 07/05/2019 </p>
--	--	---

74	Part 4B	Clause 19	The Contractor should be required to conform to the specifications. Delete from item (ii) "and shall be in all respects suited for the purpose intended".	Bid Stipulations shall prevail.
75	Part 6		It is requested that this form not be required at the time of bidding.	Bid Stipulations shall prevail.

All other terms and conditions contained in the Detailed Bid Documents shall remain unchanged.



Director General
 Indian Society for Trenchless Technology
 908, Hemkunt Chambers,
 89, Nehru Place, New Delhi 110019



ANNEXURE 1

1. Clause No. 3.3.5.4 of the Bid Documents under Section-3 of Part-5 stands deleted.
2. Clause No. 8.5 of the Bid Documents under Section-8 of Part-5 stands deleted.
3. Additional Clauses 8.8 and 8.9 after 8.7 under section 8 of Part-5 are included as follows:
 - a) Clause No. 8.8:

Non Destructive Examination (Ultrasonic testing) of Rehabilitated Joints: Measurement shall be done in set basis. One set consists of circumferential-24 points & longitudinal-5 stations on each ferrule. Payment for a set shall be made only after successful completion of all points/joints for that particular set. Measurement/Payment against retesting done on repaired joint shall not be considered

- b) Clause No. 8.9:

The price for supply of CFRP material and assistance rendered by the PIA for successful completion of the Hydro Test as per stipulations of the Bid deemed to be included in the total Contract Price.

- -
 -
 4. Clause No. 6.2.1 of the Bid Document under Section-6 of Part-1 shall be replaced by following:

A minimum of 10 years and 10,000 m² of surface area of documented FRP pipe rehabilitation experience with a minimum of 1.0 km length and minimum diameter of pipe that allows for man entry in pipeline rehabilitation projects verifiable with reference letters from respective owners. The pipe rehabilitation experience should include minimum 750 m of retrofit/rehabilitation work from inside of encased/buried pipe with pressured flow with in-situ wet lay-up CFRP/GFRP system.

5. Corrected Form-A: Bill of Quantities, Part-7 of Bid Document is revised as per below:

FORM-A: BILL OF QUANTITIES

ITEM NO.	ITEM	QTY.	UNIT	Whether Rate quoted in INR (Yes/No)	Whether Rate quoted in US\$ (Yes/No)	Rate	Amount
1.	Detail design and drawings of FRP System as detailed in the Bid complete	LS	LS				
2.	Supply, manufacture, testing and site installation of FRP System in various stretches of the Penstock as detailed below including provision for all labour, tools and tackles, plant & material as per technical specification of the Bid complete.						
	Sub Item	Penstock Stretch	Zone	RM	RM		
	a.	BFV House to AB - 1	Zone – 1A	26.13	M		
	b.	AB-1 to AB-2	Zone – 1	51.26	M		
	c.	AB-2 to AB-3	Zone – 2	87.23	M		
	d.	AB-3 to AB-4	Zone – 3	97.37	M		
	e.	AB-4 to AB-5	Zone – 4	105.24	M		
	f.	AB-5 to AB-6		78	M		
	g.	AB-6 to AB-7B	Zone – 5	118.13	M		
	h.	AB-7B to AB-8	Zone – 6	126.62	M		
	i.	AB-8 to AB-9	Zone – 7	104.04	M		
	j.	AB-9 to BP-16 B (VS-3)	Zone – 8	105.27	M		
	k.	BP-16 B to BP-17 B (Face-XI)	Zone – 9	346.82	M		
	l.	BP-17 B to BP-18 B	Zone – 10	42.5	M		



	(VS-5)							
m.	BP-18 B to BP-19 B (U/s of Bifurcation)	Zone – 11	146.01	M				
n.	BP-19 B to BP-20 B (Bifurcation-3)							
o.	BP-20 B to MIV (Powerhouse D-Line)	Zone – 12 B1 & B2	100.06 (2 x 50.03)	M				
3.	Surface preparation including all labour tools and tackles, plant and material for installation of FRP system as per technical specifications of the Bid complete		17750	Sqm				
4.	Supply, manufacture, testing and site installation of Anti abrasive top coating including all labour, tools and tackles, plant & material as per technical specification of the Bid complete		17750	Sqm				
5.	Drone Inspection of the entire stretch fitted with FRP System as per specification of the Bid complete		1	LS				
	Total:							

Note: 1. Any item not expressly indicated above in the BoQ but necessary to complete the works as per specifications are deemed to be included in the scope of works of the Contractor.

2. The Indian/ domestic bidders shall quote in INR only and whereas foreign bidders may quote either in INR or US\$ as per Clause No. 12, Part-3 of Bid Document.

Date _____