

ANNEXURE-I

Clarifications No. 01 Dated 23.05.2018 to Bid Queries

NIB No. 282 Dated 14.05.2018

Name of work: Engagement of Third Party Inspection Agency for Penstock repairing works of Kameng Hydro Electric Project (600 MW), District West Kameng, Arunachal Pradesh.

Sl. No.	Stipulation of Detailed Bid Documents	Bid Queries raised by the Bidders	Clarification by NEEPCO
1.	Part –I: Detailed NIB Clause No.3, Time of Completion: The entire work is to be completed within 3 (three) months from the date of starting of work. The work shall be started within 7 days from the date of issue of Letter of Intent (LOI).	Mobilization: It is mentioned in the Tender Document that team to be mobilized within 7 days from the date of issue of LOI. Kindly inform that how much time may take to finalize the tender to issue LOI. This will help us to know the tentative date of mobilization. Knowing this, we can discuss more clearly and firmly with proposed man power.	Atleast 1 week shall be required to issue LOI from the date of opening of Techno-Commercial bids.
2.	Part –I: Detailed NIB Clause No. 5, Scope: The Third Party Inspection Agency (TPIA) shall witness, check, advise and certify all quality control measures taken up by the executing agencies and the NDT activities like UT, DPT, MPT etc. as per technical specifications of Indian/ International Standards and/or approved QAP, if available for rectification works of the Penstock of Kameng Hydro Electric Project, Arunachal Pradesh. The Third Party Agency will certify every works for acceptance by NEEPCO. The Third Party Agency shall also carry out tests by themselves, if felt necessary for certification.	Work Detail: Kindly clarify that which portion of penstock is under repair and what is the cause of repair?	Portion of Penstock to be repaired: - Entire Penstock from Surge Shaft to Power House.(Schematic layout is attached as Plate-1) Cause of repair: - During filling of WCS, severe leakage was observed in hill slope and it was decided to go for rectification of the Penstock work.
3.	Part –I: Detailed NIB	Testing Equipment and Consumables:	5 sets of UT testing equipment with appropriate

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	Clause No. 5, Scope:	Whether is it required to carry testing equipment and consumables for UT, MT, PT etc.? If yes, then how much quantity?	quantity of consumables are to be carried by the TPIA.																																		
4.	Part –I: Detailed NIB Clause No. 5, Scope:	Access to Work Location: What kind of access to work location is available?	There are Five fronts with Zoning, which are classified from Valve house to Power House for each penstock (given in Table-1 below). One more front will be added for portion between Surge Shaft to Valve house. Necessary man cages, Power winch machine with steel ropes for material & manpower movement, Ladder for entry through manholes, trolley/ working platform will be provided for carrying out rectification & Inspection work. Table-1 <table><tr><th>Sl. No.</th><th>Zone</th><th>Front</th></tr><tr><td>1.</td><td>Zone-1</td><td rowspan="3">Front-1</td></tr><tr><td>2.</td><td>Zone-2</td></tr><tr><td>3.</td><td>Zone-3</td></tr><tr><td>4.</td><td>Zone-4</td><td>Front-2</td></tr><tr><td>5.</td><td>Zone-5</td><td rowspan="3">Front-3</td></tr><tr><td>6.</td><td>Zone-6</td></tr><tr><td>7.</td><td>Zone-7</td></tr><tr><td>8.</td><td>Zone-8</td><td rowspan="2">Front-4</td></tr><tr><td>9.</td><td>Zone-9</td></tr><tr><td>10.</td><td>Zone-10</td><td rowspan="4">Front-5</td></tr><tr><td>11.</td><td>Zone-11</td></tr><tr><td>12.</td><td>Zone-12B1</td></tr><tr><td>13.</td><td>Zone-12B2</td></tr></table>	Sl. No.	Zone	Front	1.	Zone-1	Front-1	2.	Zone-2	3.	Zone-3	4.	Zone-4	Front-2	5.	Zone-5	Front-3	6.	Zone-6	7.	Zone-7	8.	Zone-8	Front-4	9.	Zone-9	10.	Zone-10	Front-5	11.	Zone-11	12.	Zone-12B1	13.	Zone-12B2
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5.	Part –I: Detailed NIB Qualifying Requirements	Reference Document: We understand that welding and inspection activities are being performed as per ASME Boiler & Pressure Vessel Code requirements. Kindly confirm the same. If any other document is under reference, please inform the same.	Welding & Inspection activities are to be carried out as per specification of WPS & QAP prepared by consultant M/S AEMPL which are based on ASME & other National & International Standard. It is also to be clarified that, the Clause No. for Qualifying Requirements indicated under under Part-I, NIB of the detailed Bid Document may be read as Clause No. 6 instead of 1 as mentioned at page No. 2 of 7.
6.	Part –I: Detailed NIB Clause No. 15: Conditions for Micro & Small Enterprises (MSEs):	EMD Exemption: MSME- NSIC Document issued to us is for variety for NDT Services such as Ultrasonic Testing, Magnetic Particle Testing, Dye Penetrant Testing etc. As per our opinion, it is good to be considered for EMD Exemption. A copy of this document is attached. We request you to kindly confirm its acceptability for EMD Exemption.	Bidders having Micro and Small Enterprises certificates issued by Authority as stipulated at Clause 15.1, Part-I, NIB of the detailed Bid Document shall be exempted from payment of EMD.
7.	Part–II: Information for Bidders	Reaching to Site: Kindly inform the transportation facility available to reach site from Delhi.	The project site, Kimi in West Kameng District of Arunachal Pradesh is approachable from Guwahati via Tezpur- Balipara - Bhalukpong. The road distance from Guwahati to Tezpur is 175 km. Balipara, is 24 km from Tezpur, on National Highway No. 52. Bhalukpong is 36 km from Balipara. Bhalukpong- Kimi Power House site is 36 km (via Pinjori-Kimi Road). Guwahati is the gateway to the Northeast, with its



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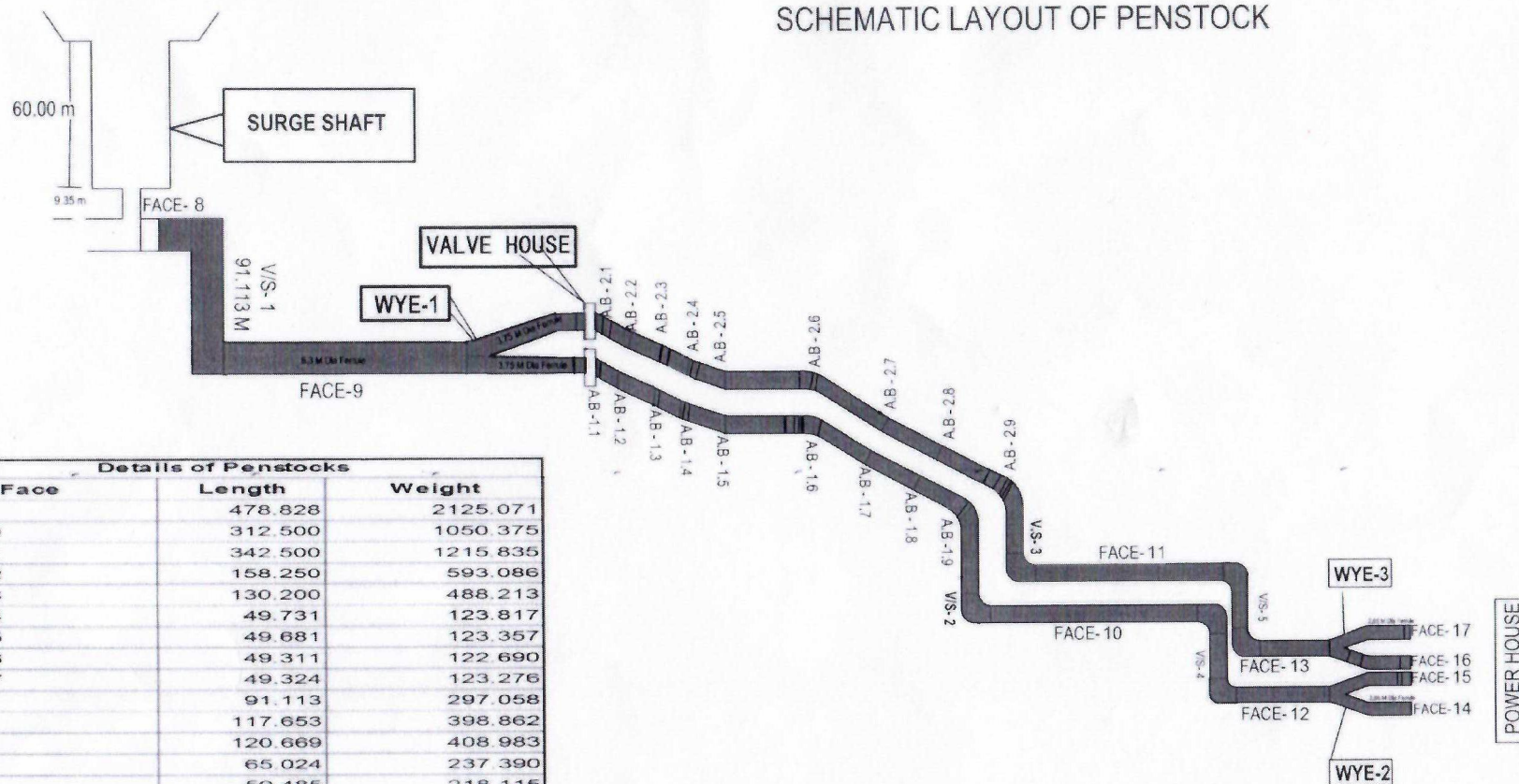
NIB No. 282 Dated 14.05.2018

Name of work: Engagement of Third Party Inspection Agency for Penstock repairing works of Kameng Hydro Electric Project (600 MW), District West Kameng, Arunachal Pradesh.

Sl. No.	Stipulation of Detailed Bid Documents	Bid Queries raised by the Bidders	Clarification by NEEPCO
			Airport conveniently connecting other regions of India. Tezpur lies on the North Bank of the River Brahmaputra. The nearest airport to the project site is at Tezpur. Bhalukpong is the nearest rail head (metre gauge).
8.	Part-III: Instruction to Bidders Clause 8, Facilities to the Third Party Inspection Agency: Accommodation facilities to the TPIA shall be provided, if required, on nominal payment Basis, as decided by the Engineer-in-Charge.	Site Facilities and Support: Kindly confirm that following site facilities and support shall be provided free of cost: a. Furnished Accommodation b. Break Fast, Lunch, Dinner c. First Aid d. Local Conveyance e. Local Transport for Mobilization and Demobilization f. Office, Printer, Stationery	Only basic furnished accommodation and first aid will be provided free of cost.
9.	Part -V: Price Schedule	Quantum of Work: 720 Man Days is mentioned in Tender Document. With duration of work as 3 months, we calculated as 8 Persons at a time. $8 \text{ Persons} \times 30 \text{ Days} \times 3 \text{ Months} = 720 \text{ Days}$ Kindly confirm this understanding	It is considered as per 8 persons at a time for 3 months.

23/05/2018

SCHEMATIC LAYOUT OF PENSTOCK



Details of Penstocks		
Face	Length	Weight
Face-9	478.828	2125.071
Face-10	312.500	1050.375
Face-11	342.500	1215.835
Face-12	158.250	593.086
Face-13	130.200	488.213
Face-14	49.731	123.817
Face-15	49.681	123.357
Face-16	49.311	122.690
Face-17	49.324	123.276
VS-1	91.113	297.058
VS-2	117.653	398.862
VS-3	120.669	408.983
VS-4	65.024	237.390
VS-5	59.485	218.115
1(D/s Y-1&3)	174.128	530.795
1(3&4)	88.732	319.853
1(4&5)	101.445	370.841
1(5&6)	81.100	242.054
1(6&8)	246.556	780.711
1(8&9)	89.840	318.926
2(D/s Y-1&3)	179.860	547.057
2(3&4)	95.791	340.585
2(4&5)	101.726	372.028
2(5&6)	83.273	249.407
2(6&8)	238.326	753.668
2(8&9)	96.306	350.051
Total =	3651.349	12702.105
Y-1,2&3	25.840	298.365
Total =	3677.189	13000.470