

CLARIFICATION NO. 1

Name of Work: Construction of Diversion Tunnels, Cofferdams, Main Dam including HM Works of Diversion Tunnels, approach roads and Bridges of Kamala H.E. Project (1720MW), Kamle district, Arunachal Pradesh (LOT-1)

Tender ID: 2026_NHPC_899454_1

NIT published on 27.05.2026

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1.	Section 0, NIT Cl. 4.1.2 (i) Specific Experience for Civil Works	9 (Vol 0)	The Bidder should have successful experience as Sole Contractor or Partner of the JV or Sub-Contractor approved by the Employer for executing major civil work in substantially completed project during last 20 years reckoned from the last day of the month previous to the one in which Tender is invited for the following: (i) Dam (a) Completion of at least one Concrete Gravity Dam/Roller Compacted Concrete Dam/ Arch Dam of minimum height 80m.	The Bidder should have successful experience as Sole Contractor or Partner of the JV or Sub Contractor approved by the Employer for executing major civil work in substantially completed project during last 20 years reckoned from the last day of the month previous to the one in which Tender is invited for the following: (i) Dam a) Completion of at least one high Concrete Gravity Dam/Roller Compacted Concrete Dam/ Arch Dam of minimum height upto 35m. As per the CWC (NRLD) dated September 2023, it is observed that only three (03) high Concrete Gravity Dams / Roller Compacted Concrete (RCC) Dams / Arch Dams of height 80 m and above have been executed in India during the last twenty (20) years. Consequently, the existing qualification requirement significantly limits competition and restricts the participation of otherwise competent and experienced contractors. In the interest of promoting wider participation, enhancing competition, and achieving more	Bid conditions shall prevail.

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				competitive pricing while maintaining the requisite technical capability, we request that the qualification criteria be revised as per proposed amendment. Also, Quantity wise qualification criteria can be met from Dam/Barrage works and met by all the partner Jointly. This approach will allow more bidders to participate in the tenders.	
2.			4.1.2 (i) Dam: a) Completion of at least one Concrete Gravity Dam/Roller Compacted Concrete Dam/ Arch Dam of minimum height 80m.	We kindly request that the quantity-based criteria be reinstated, in line with the qualification criteria kept in previous NHPC tenders.	Bid conditions shall prevail.
3.	Section 0, NIT Cl. 4.1.3	10 (Vol 0)	4.1.1 Specific Experience for HM Works Successful experience of completed works, either by the bidder Company itself or by the proposed manufacturer(s) who have given authorization to the bidder in required format for designing, manufacturing, installation, testing & commissioning of the following Hydro Mechanical items having ratings as below in preceding 20 years. (i) Vertical lift gate: Designing, Manufacturing, installation, testing and commissioning of Fixed Wheel type Vertical Lift Gate operated by	It is requested to Amend the clause as under for wider participation of bidders:- Designing, Manufacturing, installation, testing and commissioning of Fixed wheel type Vertical Lift Gate operated by hydraulic hoist or rope drum hoist with $AXH \geq 2300 \text{ m}^3$. "A" denotes an area (Clear width by clear height) for one gate in m^2. "Clear width" denotes distance between inner faces of two opposite piers. "H" denotes the normal design head at the bottom of the gate in meter.	Bid conditions shall prevail.

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			hydraulic hoist or rope drum hoist with AXH$\geq$2400 m³ “A” denotes an area (Clear width by clear height) for one gate in m². “Clear width” denotes distance between inner faces of two opposite piers “H” denotes the normal design head at the bottom of the gate in meter.		
4.	Section 0, NIT Cl. 4.1.3 (Specific Experience for HM Works)	11 (Vol 0)	Note no. 9. In support of above at 4.1.3(i) & 4.1.3(ii), the bidder should provide copy of Performance / successful operation certificate for at least 2 years from the date of commissioning issued by Purchaser/ Owner of the equipment.	It may be noted that, only limited agencies are available meeting the qualification criteria given for HM works vide Cl. NIT-4.1.3 as on date. We request that the qualification of HM Subcontractors shall be carried out after award of the Contract prior to commencement of HM works which will allow more options for the main bidder to choose and will enable the bidder to quote more competitive prices for HM works. Accordingly, kindly add the following sentence in continuation to Note no. 9 (similar to the conditions given for Dibang Dam package). <i>“The evaluation of bidders’ specific experience specified at Sl. No. 4.1.3 (HM Works/Portion) shall be done during the execution of the contract. The bidder has to submit all the required documents in respect of proposed Sub-contractor for HM works relating to the specific experience at least six months prior to the start of the HM portion of the work as</i>	Please refer Corrigendum # 2.

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				per the construction schedule for approval of the Employer.”													
5.	Section 0, NIT Cl. 4.1	11 (Vol 0)		Please add new note no.11, as under, as being followed in various other ongoing Tenders like for Sawalkot HEP etc:- "The evaluation of bidders specific experience specified at 4.1.3 above (HM portion) shall be done during the execution of the contract. The successful bidder has to submit all the required documents in respect of proposed sub-contractor for HM works relating to the specific experience at least twelve (12) months prior to the start of the HM portion of the work as per the Construction Schedule for approval of the Employer."	Please refer Corrigendum # 2												
6.	Section 0, NIT Cl. 4.1.2 Specific Experience for Civil Works	9 (Vol 0)	4.1.2 (i) Dam: a) Completion of at least one Concrete Gravity Dam/Roller Compacted Concrete Dam/ Arch Dam of minimum height 80m.	We kindly request that the quantity-based criteria be reinstated, in line with the qualification criteria kept in previous NHPC tenders. This approach will allow more bidders to participate in the tenders. In all major dam tenders issued by NHPC, the maximum limit of dam qualification criteria has been kept at 80m, irrespective of the actual project dam height such as: <table border="1"><thead><tr><th>Project</th><th>Dam height</th><th>Qualification requirement</th></tr></thead><tbody><tr><td>Dibang</td><td>278 m</td><td>80 m</td></tr><tr><td>Sawalkot</td><td>177.5 m</td><td>80 m</td></tr><tr><td>Kamala</td><td>216 m</td><td>80 m</td></tr></tbody></table> In view of this, we request that the quantity-based criteria for dam construction be limited to quantities corresponding to an 80 m dam height, irrespective of the dam quantities involved in individual projects.	Project	Dam height	Qualification requirement	Dibang	278 m	80 m	Sawalkot	177.5 m	80 m	Kamala	216 m	80 m	Bid conditions shall prevail.
Project	Dam height	Qualification requirement															
Dibang	278 m	80 m															
Sawalkot	177.5 m	80 m															
Kamala	216 m	80 m															

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				Also, Quantity wise qualification criteria can be met from Dam/Barrage works and met by all the partner jointly. This approach will allow more bidders to participate in the tenders.	
7.	Section 0, NIT Cl. 4.1.3 (i) of NIT	10 (Vol 0)	Specific Experience for HM Works: - Successful experience of completed works, either by the bidder Company itself or by the proposed manufacturer(s) who have given authorization to the bidder in required format for Designing, manufacturing, installation, testing & commissioning of the following Hydro-Mechanical items having ratings as below in preceding 20 years: (i) Vertical Lift Gate: “Designing, Manufacturing, installation, testing and commissioning of Fixed Wheel type Vertical Lift Gate operated by Hydraulic Hoist or Rope Drum Hoist with AXH $\geq$ 2400 m³”	Please note that currently only a few agencies meet the specific HM works qualification criteria outlined in Clause NIT-4.1.3 (i). Given the highly specialized nature of these works, this tight vendor pool may limit competitive bidding. We recommend reviewing these specific experience requirements to encourage wider participation and request the following amendment: “Specific Experience for HM Works: - Successful experience of completed works, either by the bidder Company itself or by the proposed manufacturer(s) who have given authorization to the bidder in required format for Designing, manufacturing, installation, testing & commissioning of the following Hydro-Mechanical items having ratings as below in preceding 20 years: (i) Vertical Lift Gate: “Designing, Manufacturing, installation, testing and commissioning of Fixed Wheel type Vertical Lift Gates/ Radial Gate operated by Hydraulic Hoist or Rope Drum Hoist with AXH $\geq$ 2400 1800 m³” Kindly consider.	Bid conditions shall prevail.
8.	Section 0, NIT Cl. 4.6	14 (Vol 0)	Joint Venture bidders shall comply with the following minimum qualifying requirements:	Since All partners of the joint venture shall be liable jointly and severally for the execution of the contract	Bid conditions shall prevail.

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	Joint Venture Bidders		(i) The number of partners in the Joint Venture does not exceed Two (2) with one of the Partners designated as Lead Partner. (ii) The Lead Partner to fully meet the following: a) General Experience Criteria as mentioned at 4.1.1 b) Specific experience Criteria for Dam specified under Para 4.1.2 (i) c) Average annual turnover (4.2(i)) not less than 50% of criteria specified under Financial Capacity. d) Working Capital Criteria (4.2(iii))	in accordance with the contractual terms. We kindly request you to please Keep option for any member to be Lead Partner with minimum 50% JV share.	
9.	Section 0, NIT Cl. 4.7 (iii) Bidders with Sub-Contractors	14 (Vol 0)	"The number of sub-contractors/manufacturers not to exceed two (2) for meeting the specific experience criteria."	As there are only a limited number of qualified agencies available for hydromechanical works, we request that the tendering process not be restricted to a single subcontractor. Allowing multiple subcontractors at tendering stage will ensure fair competition and provide flexibility to select suitable agency during project execution. In view of the above, we also request that a firm acting as a subcontractor is allowed to participate in more than one tender as a subcontractor to another bidder for this work.	Bid conditions shall prevail.
10.				It is requested to delete the mentioned clause, as limiting the number of sub contractors to two may restrict bidder's flexibility to involve more technically qualified agencies and enable fair competition.	Bid conditions shall prevail.

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11.	Section 0, NIT Cl. 4.7 (vii) Bidders with Sub-Contractors	15 (Vol 0)	"The firm acting as a sub-contractor for any bidder shall not participate in more than one tender either as a sole contractor or in JV or as a sub-contractor to another bidder for this work."	As there are only a limited number of qualified agencies available for hydromechanical works, we request that the tendering process not be restricted to a single subcontractor. Allowing multiple subcontractors at tendering stage will ensure fair competition and provide flexibility to select suitable agency during project execution. In view of the above, we also request that a firm acting as a subcontractor is allowed to participate in more than one tender as a subcontractor to another bidder for this work	Bid conditions shall prevail.
12.			The firm acting as a sub-contractor for any bidder shall not participate in more than one tender either as a sole contractor or in JV or as a sub-contractor to another bidder, for this work. Any such participation will result in disqualification of all related bids. An undertaking to this effect from the sub-contractor shall be submitted by the bidder along with the bid.	We request you to modify as follows 1. Specific experience in HM Portion shall be done during the execution of the contract. The bidder has to submit all the required documents in respect of proposed Sub-contractor for HM works relating to the specific experience at least six months prior to the start of the HM portion of the work as per the construction schedule for approval of the Employer. OR 2. Considering the limited availability of qualified and experienced HM Works agencies, it is requested that the proposed HM Works Sub-Contractor be permitted to associate with and participate as a Sub-Contractor to multiple bidders.	1. Please refer Corrigendum #2. 2. Bid conditions shall prevail.
13.				It is requested to delete the mentioned clause, as restricting a sub-contractor from associating with more than one bidder may limit fair competition and reduce the availability of more qualified	Bid conditions shall prevail.

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				bidders. Relaxation of this condition would enable wider participation and more competitive bids.	
14.	Section 0, ITB Cl. 17.1	36 (Vol 0)	Bids shall remain valid for the period stipulated in the Bidding Data from the date of opening of Techno Commercial Bid specified in Clause 25.	It is requested to modify the clause as: "Bids shall remain valid for the period stipulated in the Bidding Data from the date of submission of the bid."	Bid conditions shall prevail.
15.	Section 0, ITB Cl. 30.4	45 (Vol 0)	E-Reverse Auction (e-RA)	e-Reverse Auction may please be scrapped allowing bidders to submit comprehensive and realistic quotes from the outset.	Bid conditions shall prevail.
16.	Section 1, IFB, Cl. 4.0	26-27 (Vol 1 Part1)	4.0 HYDROLOGY 3. Climatology [..]. Maximum and minimum temperatures as observed at Tamen are 43°C and 7°C respectively. [..]	To determine the cooling requirement of the concrete, please provide month-wise ambient temperatures and river water temperatures.	Month wise maximum and minimum temperature data at Tamen (°C) is Attached in the Corrigendum # 2.
17.	Section 1, IFB and Construction Schedule (Vol-1 Part-2, Page 13)	144 (Vol 1)	Construction Schedule Coffor Dam CD1000 C/o U/S Dyke - 5 Days	The construction duration of Upstream Dyke is mentioned as 5 days in Construction Schedule, whereas in Construction Methods it is mentioned as 0.5 month. It is requested to clarify this discrepancy.	Bidder may be requested to adhere the time period mentioned in the tender schedule.
18.	Section 1, IFB, Cl. 5.0	39-41 (Vol 1)	5.0 LOCATION AND STATUS OF ACCESS ROADS TO SITES OF PROJECT Left Bank Access Road: In order to reach the Project Components on the left bank from Tamen bridge, a RWD (Rural Works _____ strengthening and upgradation of bridges/culverts shall be done by Lot-2 Contractor during construction of the project at his own cost. Widening of existing road _____ widened road shall be carried out by the Lot-	We request to provide the location details & geo-technical details, deck level, coordinates of 2 no's bridges included under scope of works under Lot 1 package.	The bridge location shown in IFB is tentative, after ascertaining the location, the Contractor is required to carry out the activities required for investigations, design, vetting and

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			1 Contractor up to completion of the project. At the initial stage, the existing access shall also be utilized for transportation of equipment/ machineries by Lot-2 Contractor. As such, with mutual coordination _____ mutual understanding may be provided to Lot-2 Contractor, till the time the construction of alternate road under Lot- 2 Package is completed by the Contractor		approval of the bridge works. The Contractor has to carry out the all the investigations, design & drawing and Commissions of the bridge.
19.	Section 1, IFB, Cl. 5.0	39 (Vol 1)	LOCATION AND STATUS OF ACCESS ROADS TO SITES OF PROJECT b) Access road to various work sites: Left Bank Access Road: At the initial stage, the existing access shall also be utilized till the time the construction of alternate road under Lot- 2 Package is completed by the Contractor.	The access road from Tamen Bridge to Pokhu Village, to be constructed by the LOT-1 Contractor, is proposed to be used simultaneously by Lot-1, Lot-2 and local traffic during the period of road widening and construction. Lot-1 Contractor is required to maintain the access road, facilitate movement of Lot-2 equipment and provide uninterrupted access for local traffic during construction. Please clarify the responsibility in case delays to either package arise due to shared use of the road during the construction period. Further, the conditions in LOT-2 Contract, on this issue is not mentioned in the document.	In all possible circumstances and situations prevailing during the work, the contractor shall have to manage with close coordination and cooperation among themselves so as to avoid delay on either part.
20.	Section 1, IFB, Cl. 5.0	40 (Vol 1)	LOCATION AND STATUS OF ACCESS ROADS TO SITES OF PROJECT b) Access road to various work sites: Right Bank Access Road: However, during widening of this access road as well as strengthening and upgradation of bridges/culverts on this road by the Lot-1 Contractor, the movement of construction equipment's and machineries of Contractors of other packages may likely to be hindered,	The tender states that movement of equipment and machinery of other package contractors may be affected during widening of the Right Bank Access Road and associated bridge/culvert works. However, the major works under Lot-2 are located on the left bank side. Please clarify which package contractors are expected to use the Right Bank Access Road and for what activities during construction.	Zone 8B at right bank has been proposed for development of facility area for Lot 1 contractor and a bridge has to be constructed by the Lot 1 Contractor to access on either side for movement of

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			for which Lot-1 Contractor has to provide suitable access and ensure minimizing the hindrances.	The tender provides only typical sections for road widening, whereas simultaneous movement of project traffic, local traffic and equipment of other packages is envisaged during construction. Please provide the detailed approved drawings for road widening, including locations of widening, niches, passing arrangements, bridge/culvert modifications and traffic management provisions considered in the project planning.	material, machineries and mucking purpose. The contractor has to plan and design the widening of the roads and strengthening of the bridges/culverts according to the equipments and machineries that the contractor plans to mobilise for developing construction facility area, establishing BMP and APP and for construction of dam
21.	Section 1, IFB, Cl. 5.0	42 (Vol 1)	(C) Bridges in Project Area	The Contractor is required to carry out investigation, detailed design, IIT/NIT vetting and construction of the proposed bridges. Please provide the design basis and investigation data considered in the DPR, including topographical surveys, river cross-sections, hydrological and hydraulic parameters, geotechnical investigation data, design flood levels, scour levels and seismic design criteria, for use in preparation of the bridge designs. Please clarify whether the construction schedule and milestones have been established considering the	The bridge location shown in IFB is tentative, after ascertaining the location, the Contractor is required to carry out the activities required for investigations, design, vetting and approval of the bridge works. The

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				activities required for investigation, design, vetting and approval of the bridge works.	Contractor has to carry out the all the investigations, design & drawing and Commissioning of the bridge The construction period provided in the Schedule includes the overall duration of all the activities related to construction of road and bridge works
22.	Section 1, IFB, Cl. 5.0 b)	41 (Vol 1)	Left bank access road Further, Contractor has to ensure that till the time the alternate road for locals is made available, a hindrance free passage/ cross link road for their movement have to be provided. Such co-operation, will invite more favorable support from the locals, which will help in the ease of carrying out Project construction activities.	We request the Client to kindly share the tentative timeline for completion of the alternate road intended for local residents, along with the proposed alignment showing its connection to the existing road network.	Alternate road realignment work shall be taken up by the State Govt. deptt. with schedule completion period of 12 months. However, till the time the re-alignment of road is completed, the contractor has to provide the access through their road connectivity by making temporary suitable diversion

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					arrangement for the locals.
23.	Section 1, IFB, Cl. 6.0	42-43 (Vol 1)	6.0 AVAILABILITY OF LAND FOR CONTRACTOR'S INFRASTRUCTURE FOR MAIN WORKS: The Contractor has to make his own arrangement to develop infrastructure for their men and materials required during the construction period. Necessary residential and labour camps including other facilities like approach roads, water supply, sanitation, electricity etc. are to be developed/arranged by the Contractor at his own cost. 	We request to furnish the layout showing contour plan for the aforementioned zones allotted for the LOT 1 contractor for their infrastructure setup. In addition, Kindly provide the drawing / KMZ / KML file showing the facility area identified /marked for the Lot 1 Contractor.	KMZ file of the complete project sites is enclosed for visualization in GIS/Google earth. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhcIgomWwo0Y/view?usp=sharing
24.	Section 1, IFB, Cl. 6.0	42 (Vol 1)	6.0 AVAILABILITY OF LAND FOR CONTRACTOR'S INFRASTRUCTURE FOR MAIN WORKS:	It is requested to share Land acquisition drawings showing General layout plans and all the project components in AutoCAD format for Planning purpose. Additionally, we understand that the land requirement for all the project components will be made available by client before start of works. Kindly confirm.	The KMZ file showing land required for Project along with general layout plan is enclosed for visualization in GIS/Google earth. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhcIgomWwo0Y/view?usp=sharing

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					Auto CAD format is not available with Project. As per the current progress of the land acquisition by the district administration, the land shall be available before start of the works.
25.	Section 1, IFB, Cl. 6.0	42 (Vol 1)		The locations identified for contractor facilities appear to have significant practical constraints. Zone 9A is located in proximity to facilities proposed for Lot-2 activities, while Zones 9B and 9C would require substantial site development before establishment of colonies, workshops and storage yards. The alternative area suggested upstream of the dam falls within the proposed submergence zone. Please clarify which area has been considered in the project planning as the primary location for establishment of Lot-1 contractor facilities and whether the identified locations are intended to be available and usable for the full duration of the construction period.	The Zone 9C has been proposed for development of infrastructural facility for Lot1 Contractor. The Contractor may also opt for setting up their colonies in the upstream of Dam on right bank where the present Circle Office H/Q is situated or on the left bank which will be acquired under submergence area or as may be deemed suitable by the Contractor in

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					their site assessment within the acquired land. Also, in right bank Zone 8B has been proposed for development of facilities of Lot- 1 Contractor wherein the Contractor may also set up infrastructure facilities for use by them.
26.	Section 1, IFB, Cl. 6.0	42-43 (Vol 1)	AVAILABILITY OF LAND FOR CONTRACTOR'S INFRASTRUCTURE FOR MAIN WORKS: Three sites to house the Contractor's manpower are proposed. All these three sites fall on the left bank and are being acquired on temporary acquisition basis. The first one (Zone 9A-3 Ha land) lies u/s of the Tamen bridge. The second and third sites (Zone 9B-4 Ha land) and (Zone 9C 10 Ha land) are proposed to be located d/s of the Tamen bridge on left bank of Kamala River. However, out of three sites Zone 9C (10 ha land on temporary acquisition) have only been kept for use by LOT-1 Contractor.	Kindly provide the drawing showing the facility area marked on the layout to understand the exact location & area for dumping site and other facilities planned in the project.	The KMZ file showing land required for Project along with general layout plan is enclosed for visualization in GIS/Google earth. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhcIgomWwo0Y/view?usp=sharing

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27.	Section 1, IFB, Cl. 7.0	43-44 (Vol 1)	DETAILS ABOUT IDENTIFIED DUMPING AREA: There are four designated disposal locations identified (Zones 6A-1, 6A-2, 6B and 6C) on either side of the Kamala River.	Kindly provide the drawing showing the facility area marked on the layout to understand the exact location & area for dumping site and other facilities planned in the project.	The KMZ file showing land required for Project along with general layout plan is enclosed for visualization in GIS/Google earth. Link for KMZ file is as below:
28.			DETAILS ABOUT IDENTIFIED DUMPING AREA:	Zone 6B has been earmarked for common use by Lot-1 and Lot-2 Contractors (50% area each). As per the tender layout, access to and development of the area appears to be linked with infrastructure proposed under Lot-2. Please clarify the access arrangements envisaged for use of Zone 6B by Lot-1 Contractor and confirm the present status of land acquisition/possession of all designated muck disposal areas (Zones 6A-1, 6A-2, 6B and 6C).	A composite bridge in downstream of the dam axis has to be constructed by the Lot1 Contractor for accessibility from right bank facility area to left bank for transportation of muck to the designated dumping site. The dumping site 6A1 and 6A2 has been eliminated from the disposal areas for designated for Lot-1 Contractor. The bidder will have to dispose of the excavated material

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					by crossing the bridge at downstream of the dam (to be constructed by lot1) at dumping site of Zone 6B and Zone 6C, utilising 50% of the allotted area, as the dumping sites of Zone 6B and Zone 6C area earmarked for use by the Contractors of Lot1 and Lot2 (50% area for each lot). Till construction of downstream bridge, existing left bank road is to be used for disposal of muck at designated dumping sites. Land acquisition process in all three districts Kamle, Kra Daadi and Kurung Kumey is in advance stage and notification under section -23 of RFCTLARR Act

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					2013 is expected in July 2026. As decided by State Govt. the acquisition is expected to be completed by Sept/Oct 2026.
29.	Section 1, IFB, Cl. 8.0	44-45 (Vol 1)	Details of available construction materials and quarries for extraction of coarse and fine aggregates: Quarry sites SMR-1, SMR-5, SMR-8 and SMR-9 are designated for use by the Lot-1	Kindly provide the drawing showing the facility area marked on the layout to understand the exact location & area for dumping site and other facilities planned in the project.	The KMZ file for Project along with general layout plan is enclosed for visualization in GIS/Google earth. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhclgmWwo0Y/view?usp=sharing
30.			Details of available construction materials and quarries for extraction of coarse and fine aggregates:	The tender identifies quarry sources SMR-1, SMR-5, SMR-8 and SMR-9 for use under Lot-1 works. Please provide the present status of land acquisition, forest clearance, environmental clearance and other statutory approvals, if any, associated with these designated quarry areas. Please provide the current royalty rates applicable in Arunachal Pradesh for quarry materials proposed to be used under the Project, if available.	For clearance status, refer the 'General clarifications' at the end. The copy of order issued by Deptt. of Geology & Mining, GoArP is enclosed for prevailing rates of

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					royalties (Annexure-1 to Clarification #1).
31.	Section 1, IFB, Cl. 10.0	46 (Vol 1)	ARRANGEMENTS OF CONSTRUCTION POWER FOR CONTRACTOR'S USE FOR MAIN WORKS AND THEIR ESTABLISHMENT	NHPC has indicated that 30 MW construction power is proposed to be arranged through the Department of Power, GoAP, whereas the Contractor is presently required to meet the entire construction power demand through DG sets. Please provide the current status and anticipated timeline for availability of the proposed construction power with reference to the project construction schedule, and issue the relevant drawings indicating the proposed locations of the 132/33 KV and 33/11 KV substations, transmission alignment and connection points. Further, please clarify the construction power allocation envisaged for Lot-1 out of the proposed 30 MW arrangement. Please provide the presently applicable tariff for construction power applicable to Lot-1 Contractor and clarify whether changes in electricity tariff during the contract period are covered under the price adjustment provisions. If covered, please indicate the applicable escalation category and formula considered for reimbursement of such variations.	Bid condition shall prevail.
32.	Section 1, IFB, Cl. 11.3	48 (Vol-1)	Explosives are a basic input in underground works involved in all Hydropower Projects. They have to be transported, stored and used with the utmost care as per the prevailing rules and regulations. The Contractor shall arrange necessary explosives magazine of required capacity and	Bidder request to furnish the location details and area allotted for setting up of explosive magazine	The location of magazine area is shown as Zone 7 in the KMZ file. KMZ file is enclosed for visualization in GIS/Google earth.

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			shall obtain necessary license for the handling of explosives along with license blaster. However, the explosives will be arranged by the Contractor at his own cost. The Contractor shall arrange for further transportation of explosive to its magazine at designated site at his own cost. Nothing extra shall be paid on this account.		Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhclgoMWWo0Y/view?usp=sharing
33.			EXPLOSIVE: Explosives are a basic input in underground works involved in all Hydropower Projects. However, the explosives will be arranged by the Contractor at his own cost. The Contractor shall arrange for further transportation of explosive to its magazine at designated site at his own cost. Nothing extra shall be paid on this account	The clause refers to transportation of explosives to the designated magazine site. Please provide the location of the designated explosives magazine area proposed for Lot-1 Contractor.	The location of magazine area is shown as Zone 7 in the KMZ file. KMZ file is enclosed for visualization in GIS/Google earth. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhclgoMWWo0Y/view?usp=sharing
34.	Section 1, IFB, Cl. 12.5	49 (Vol-1)	Other relevant Information: To the extent possible, the Contractor should engage local people for works. For specialized skill sets in case of non-availability within the local area, the Contractor can engage manpower from other areas. For security of men and material the Contractor has to	The major scope comprises surface / underground excavation & concreting for dam & tunnels. Secondly, the dam /inlet works involves concreting works in heights. The work being of challenging in nature, the skillset such as driller, fitter, rigger, carpenter, welder, machine operators is highly skilled category as well as semi-skilled & skilled	Bid conditions are clear in this regard. Bidder to adhere to the bid conditions.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
			make his own arrangement for deployment of security personnel at his own cost.	category required to be deployed to perform the work as per productivity norms / standard industry practice. The deployment of such skilled manpower ensure the project completion within the allocated timeline. In view of above we request contractor to allow / permit flexibility of engaging highly skilled /skilled and semiskilled worker from outside state and un-skilled workman from local area. Based on the available skill set, the local workman shall be deployed for specific works.	
35.	Section 1, IFB, Cl. 15.3	56-57 (Vol-1)	Exploration Drilling	Detailed borehole logs along with core photographs for the Main Dam, Diversion Tunnels, Upstream and Downstream Cofferdams are not available in the tender documents. Only a summarized account of the drilling investigations has been provided, which is insufficient for a comprehensive assessment of the subsurface geological conditions and rock mass characteristics. It is requested that the complete borehole logs, core recovery details, RQD records, water loss test data and core photographs be made available. The tender documents indicate that 11 exploratory drifts aggregating approximately 727 m have been excavated. However, only summary details of these drifts have been provided. For a thorough evaluation of the geological conditions at the dam site and associated structures, it is requested that 3-D geological logs, drift mapping records, discontinuity mapping data, and photographs of all exploratory drifts be shared.	The available information has been provided in the bid document. Further details can be provided to successful bidder.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
36.	Section 1, IFB, Cl. 15.3	56 (Vol-1)	15.3 Exploratory Drilling Table 2: Summary of drill holes	It is requested to provide the bore hole logs along with the Core Photographs as mentioned in the Summary Table. Additionally, kindly provide the depth of groundwater table encountered in each drill holes.	The Geological Plan shows the locations of all explorations, including boreholes and drill holes. Detailed data such as coordinates of boreholes/drill holes, complete geological and geotechnical investigation records, drill logs, WPT test results can be furnished to the successful bidder.
37.	Section 1, IFB, Cl. 15.4	57 (Vol-1)	15.4 Exploratory Drifting Table 3: Summary of Exploratory Drift	It is requested to provide 3D logs of drifts. Additionally, in RDR-4 request to provide Joint Data and RMR data.	The available information has been provided in the bid document. Further details can be provided to successful bidder.
38.	Section 1, IFB, Cl. 15.5.2	87-88 (Vol-1)	15.5.2 Laboratory Testing Table 9: Rock Mechanic Test Results- Average Values	Since the results of both the NIRM and NEHARI are quite different, kindly specify the rock type for which test were conducted and the location of drillhole from where the cores were retrieved. In case in future if we require to use the test data for analysis, kindly specify which results shall be used, NIRM's or NEHARI's.	The available information has been provided in the bid document. Further details can be provided to successful bidder.
39.	Section 1, IFB, Cl. 16.3	97-100 (Vol-1)	Diversion Tunnel	It is requested to provide the Geological Section along Diversion Tunnel-2.	The available information has been provided in the bid

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
					document. Further details can be provided to successful bidder.
40.	Section 1, IFB, Cl. 18	105 (Vol-1)	Construction Materials	Detailed borehole logs, exploratory pit/trench logs, geological mapping records, laboratory test results, and core photographs pertaining to the proposed quarry areas, particularly SMR-1, SMR-5, SMR-9 and SMC-3, are required for proper assessment of quarry reserves, material quality, recoverable quantities, and suitability of the construction materials. Kindly provide all available investigation records for the identified quarry and borrow areas.	The available information has been provided in the bid document. Further details can be provided to successful bidder.
41.	Section 2, - GCC Cl. 4.13	FIDIC	The Contractor shall bear all costs and charges for special and/or temporary rights-of-way which he may require, including those for access to the site.	The responsibility of providing encumbrance free rights-of-way for the execution of the project free of cost to the Contractor shall remain with the Employer. Please modify the clause accordingly.	Bid condition shall prevail.
42.	Section 2, - GCC Cl. 19.1	FIDIC	(v) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity	Sub-clause (v) may be modified as “natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity, landslides, floods, cloud bursts etc.”	Bid condition shall prevail.
43.	Section 3, - PCC Cl. 2.1	17 (Vol-2)	Right of Access to the Site: (b) at third para of sub-clause 2.1 is deleted and substituted by the following: “Payment of any such Cost, which shall be included in the Contract Price.”	We request to reinstate the FIDIC Conditions.	Bid condition shall prevail.
44.	Section 3, - PCC Cl. 3.5	18 (Vol-2)	Determinations : No claim shall be payable related to consequent effects/cost in extended stay period	The claim shall be allowed for the extended stay period, for the reasons beyond the control of the Contractor.	Bid condition shall prevail.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
45.	Section 3, - PCC Cl. 4.2	20-23 (Vol-2)	Performance Security: The performance bank guarantee / insurance surety bond delivered by the Contractor shall be valid upto 90 (Ninety) days beyond Defect Notification Period.	We request to consider validity/release of performance bank guarantee on completion of works, as the retention Money is also kept till completion of Defect Notification Period, as per PCC 14.9.	Bid condition shall prevail.
46.	Section 3, - PCC Cl. 4.8	26 (Vol-2)	Safety Procedures: f) shall be liable to compensate for non-compliance or repeated failure in implementation of requisite safety measures as per the Contract. The amount of compensation applicable for different types of violations shall be as specified in Conditions of Contract on Safety, Health & Environment and Safety, Health & Environment Manual. However, the cumulative limit for compensation under a contract shall be 1.0% of Accepted Contract Amount. This compensation shall be in addition to all other compensation specified elsewhere in the Contract. If cumulative limit of compensation is exceeded but the Contractor continues to neglect the requisite safety measures, same shall be considered as default of Contractor under clause 15 of GCC.	The compensation of 1% under this clause is very high and may be reduced. OR This compensation shall be adjusted to all other compensation specified elsewhere in the contract.	Bid condition shall prevail.
47.	Section 3, - PCC Cl. 4.12	27 (Vol-2)	Unforeseeable Physical Conditions: Delete the words “and man-made” in the first para.	We request to reinstate the FIDIC Conditions.	Bid condition shall prevail.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
48.	Section 3, - PCC Cl. 4.17	29 (Vol-2)	Contractor's Equipment: In case of Engineer notice any deficiency on the part of Contractor, an amount at the rate of 0.010% of the Accepted Contract Amount per day subject to maximum of 2% (two percent) of the Accepted Contract Amount shall be deducted from running bills till the contractor deploys the specified key equipment as per contract. Recovery of this amount shall be in addition to the recovery of Delay Damages, if any.	Kindly delete this clause as the Liquidated damages upto 10% of Contract Price are already defined vide Clause PCC 8.7 of the tender document for not achieving Contract/ Progress/ Interdependent milestones & completion of works.	Bid condition shall prevail.
49.	Section 3, - PCC Cl. 13.8	54 (Vol-2)	Adjustments for Changes in Cost (For HM Works) ... The following conditions shall apply: ... (c) The total adjustment (plus or minus) shall be subject to a ceiling amount of 25% of the Contract price during contractual completion period.	For a Contract Completion Period of 6.5 Years, it is unfair to cap the Price Adjustment at 25% since the same will substantially disrupt the cashflow of the Contractor. Hence, considering the long duration of this project, we request you to kindly delete this subclause.	Bid condition shall prevail.
50.	Section 3; PCC; Cl 4.6	25 (Vol-2)	4.6 Co-operation: Co-operation No claims for delays or disruptions due to coordination with HM/E&M contractors shall be entertained, provided directives are within the contract scope and not due to the NHPC's negligence.	It is requested to provide EOT and Cost Compensation in case of delays attributable to other contractors.	Bid condition shall prevail.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
51.	Section 3; PCC; Cl 6.4	40 (Vol-2)	Labour Laws [..] (vi) Minimum Wages Act 1948 (Amended) The Contractor is to pay not less than the Rate of Minimum Wages notified by the appropriate Government, as per provisions of the Act. [..]	It is requested to confirm whether the applicable minimum wages to be considered for compliance under the Contract shall be those notified by the Central Government or the respective State Government having jurisdiction over the project location.	Bid conditions are clear in this regard.
52.	Section 3; PCC; Cl 13.8	54 (Vol-2)	Adjustments for Changes in Cost	Clause 13.8 provides that price adjustment shall become applicable only when the resulting increase or decrease exceeds 2% of the Contract Price and further limits the total adjustment to a maximum of 25% of the Contract Price during the contractual completion period. Considering the long execution period of the Project and the significant exposure to fluctuations in labour, fuel, construction materials and other inputs, kindly clarify whether this is applicable for all BOQ items of works , surface and underground or only for HM works. the basis for adoption of the 2% threshold and the 25% ceiling under the price adjustment provisions.	Bid conditions shall prevail.
53.	Section 3; PCC; Cl 13.8	54 (Vol-2)	13.8 Adjustments for Changes in Cost [..] However, if the Contractor fails to complete whole of the Works within the Time for Completion prescribed under Clause 8.2, adjustment of prices thereafter until the date of completion of the Works shall be made using either (i) the indices or prices applicable on the date 49 days prior to the expiry of the Time for Completion, or (ii) the current indices or prices; whichever is more favourable to the Employer. [..]	It is requested to provide the current indices or prices for Price Adjustment during the extended period of Contract.	Bid conditions shall prevail.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
54.	Section 3, - PCC Cl. 13.8	61 (Vol-2)	Adjustments for Changes in Cost for HM Works [...] (c) The total adjustment (plus or minus) shall be subject to a ceiling amount of 25% of the Contract price during contractual completion period. [...]	The 25% cap on cost escalation for a project with a contractual duration of 6.5 years is not practical and unnecessarily exposes the Contractor to undue risk arising from price variations. Accordingly, considering the long duration of the project, it is requested that the 25% capping be removed.	Bid conditions shall prevail.
55.	Section 3; PCC; Cl 14.2	64 (Vol-2)	Advance Payment: [...]provision by the Contractor of an unconditional Bank Guarantee in a prescribed form and by a Bank acceptable to the Employer in amounts equal to 110% of the advance payment requested for. [...]	It is requested to reduce the Bank Guarantee to 100% of Advance Payment.	Bid conditions shall prevail.
56.	Section 3; PCC; Cl 14.7	73 (Vol-2)	Payment: [...] (c) the amount certified in the Final Payment Certificate within three months after the Employer receives this Payment Certificate.	It is requested to modify the clause as follows: “(c) the amount certified in the Final Payment Certificate within 28 days after the Employer receives this Payment Certificate.”	Bid conditions shall prevail.
57.	Section 3; PCC; Cl 18.2.5	81 (Vol-2)	Entitlement for claim proceeds: In case any insurance claim is not settled due to default, negligence and / or action / inaction of contractor, the claim amount shall be recovered from the Contractor. If any such claim is determined as recoverable from the Contractor, the Employer shall be entitled to recover the same, together with interest at the rate specified for mobilization advance in the Appendix to Tender, by deduction from any monies due or which may become due to the Contractor under this Contract. In the event that such monies are insufficient, the	It is requested to delete the mentioned clause.	Bid conditions shall prevail.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
			Contractor shall remain liable to pay the balance amount to the Employer upon demand.		
58.	Section 3, PCC Cl. 20	85 (Vol-2)	Clause 20 Disputes and Arbitration Disputes and Arbitration	Clause 20.5 of GCC refers to giving "notice of dissatisfaction" under Sub-Clause 20.4; however, Clause 20.4 of PCC does not mention any such provision. Further, Clause 20.6 of PCC refers to the IE's decision becoming final and binding, but this is also not stated in Clause 20.4 of PCC or 20.5 of GCC. It is requested to kindly clarify or consider retaining the last three paragraphs of GCC Sub-Clause 20.4 (with DAB replaced by IE).	Bid conditions are clear in this regard.
59.	Section 3, PCC Cl. 21	91 Vol 2	Dispute resolution through Conciliation committee of Independent Experts(CCIE). 2nd Paragraph: "The dispute amounting above Rs. Ten (10) Crore shall only be referred to Conciliation Committee of Independent Experts (CCIE)."	We understand that dispute amounting above Rs. Ten (10) Crore will be referred to CCIE, however disputes below Ten (10) Crore will be handled by Independent Engineer (IE). Kindly confirm.	Bid conditions are clear in this regard. Please refer to all the available mechanisms in the bid document laid out in Clause 20 and Clause 21
60.	Section 3, - PCC Cl. 4.25	35 (Vol-2)	Land: The Employer shall hand over land for Permanent Works, dumping area and quarries, free of cost to the Contractor on "as is where is" basis. 	Bidder request to furnish the details of land identified by client for contractors temporary establishments such as batching and Crushing plant and other infrastructure facilities. In this regard bidder request to provide us the specific key plan showing job facility areas with its dimensions	KMZ file of the project sites along with infrastructure and facility area enclosed for visualization in GIS/Google earth. Link for KMZ file is as below:

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
					https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhclgomWwo0Y/view?usp=sharing
61.	Section 3, - PCC Cl. 4.25	35 (Vol-2)	Land:The Employer shall hand over land for Permanent Works, dumping area and quarries, free of cost to the Contractor on “as is where is” basis.	Kindly provide the drawing showing the facility area marked on the layout to understand the exact location & area for dumping site and other facilities planned in the project.	KMZ file of the project sites along with infrastructure and facility area enclosed for visualization in GIS/Google earth. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhclgomWwo0Y/view?usp=sharing
62.	Section 3, - PCC Cl. 4.25	35 (Vol-2)	4.25 Land The Employer shall hand over land for Permanent Works, dumping area and quarries, free of cost to the Contractor on “as is where is” basis.	It is requested that the Employer ensure availability of unhindered and encumbrance-free land from the commencement date to facilitate timely execution of the works.	As per the current progress of the land acquisition by the district administration, the land shall be available before start of the works.
63.	Section 3, - PCC Cl. 8.1	44 (Vol-2)	Commencement of works:	We presume that the site will be handed over to the contractor free of any encumbrances. Please confirm.	As per the current progress of the land

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
			The Commencement Date shall be from the date of issue of the Letter of Acceptance by the Employer. The transfer of works to main civil contractor will be on “as is where is” basis.		acquisition by the district administration, the land shall be available before start of the works.
64.	Section 3, - PCC Cl. 7.8	43 (Vol-2)	Royalties: (b) the disposal of material from demolitions and excavations and of other surplus material (whether natural or man-made), except to the extent that disposal areas within the Site are specified in the Contract.	1. Kindly clarify the prevailing rates of royalties for various materials like earth, Rock, Aggregates etc. We understand that the royalty is not payable on material from demolition and excavations which are dumped within the dumping yard provided by the Employer. Pls clarify.	The copy of order issued by Deptt. of Geology & Mining, GoArP is enclosed for prevailing rates of royalties. The royalty shall be payable on material from demolition and excavations if material is being used for construction. However, no royalty is required to be paid, if the material is being dumped in the dumping yard/ not being used.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
65.	Section 3, - PCC Cl. 8.4	44 (Vol-2)	Extension of Time for Completion: If the Contractor does not submit his application for extension of time with supporting documents as specified in Clause 20.1, it would be construed that there was no hindrance requiring extension of time (even though the hindrance has been brought to the notice of Engineer as per Clause 4.27) and contractor shall forfeit his claim for extension of time.	Kindly delete/modify this clause so that the contractor shall be eligible for extension of time if contractor has already notified according to the contract conditions but could not submit the claim as per Clause 20.1 due to any unavoidable situations/exigencies at site.	Bid conditions shall prevail.
66.	Section 3, - PCC Cl. 8.7	45 (Vol-2)	Delay Damages: Maximum amount of delay damages on account of work as a whole, Interdependent Contract Milestones: 10% of the Accepted Contract Amount.	Kindly limit the maximum amount of delay damages on account of work as a whole and Interdependent Contract Milestones to 5% of the accepted contract amount.	Bid conditions shall prevail.
67.	Section 3, - PCC Cl. 8.7	45 (Vol-2)	Delay Damages: The Delay Damages on these milestones shall be waived off, if whole of the work is completed in the scheduled time as stated in Sub-Clause 8.2.....	Kindly modify sentence as "The Delay Damages on these milestones shall be waived off, if the subsequent milestone is achieved on time or whole of the work is completed in the scheduled time as stated in Sub-Clause 8.2."	Bid conditions are clear in this regard.
68.	Section 3, - PCC Cl. 8.7	46 (Vol-2)	Delay Damages: Delay Damages imposed on account of delay in achieving of interface / Interdependent Milestones as above shall not be refunded back even if the whole of the work under the packages completed within the time for completion as stated under Subclause 8.2 "Time for Completion". The maximum limit	We wish to state that it is unfair to recover the delay damages from the contractor despite of achieving the overall completion of work within the contract period, hence the referred sentences may be deleted.	Bid conditions shall prevail.

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			of Delay Damages for non-achievement of Interdependent Milestones shall be 2%.		
69.	Section 3, - PCC Cl. 14.5	71 (Vol-2)	Plant and Materials intended for the Works: Non-perishable materials which are not combustible, fragile or perishable in nature (Sub Paragraph b(i)): Cement, Steel	Kindly add diesel to the list to enable the Contractor to create sufficient stock for smooth execution of the project.	Bid conditions shall prevail.
70.	Section 3, - PCC Cl. 14.5	71 (Vol-2)	Plant and Materials intended for the Works: The recovery of such advance shall be done from each succeeding running bill/ interim payment certificate and the full advance amount shall be done within 90 days from the date of release of advance, whether the material is consumed or not. Stock register shall be maintained from the commencement of contract and inspected by the Engineer.....	The material advance is provided to the Contractor for smoothening the cashflow and for stocking the major materials for longer duration especially during monsoon etc. where disruption of supply due to landslides, road blockages are frequent in such remote locations. Also, since the Contractor shall be submitting indenture bond hypothecating the material to the employer, kindly avoid the recovery of such advance within 90days whether the material is consumed or not in that period. Hence, kindly modify the clause as below: <i>The recovery of such advance shall be done from each succeeding running bill/ interim payment certificate and the full advance amount shall be done within 90 days from the date of release of advance, whether the material is consumed or not as and when the material is consumed for the construction of works.</i>	Bid conditions shall prevail.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
71.	Section 3, - PCC Cl. 16.1	76 (Vol-2)	Contractor's Entitlement to Suspend Work: Para (b) of sub-clause 16.1 stands deleted and substituted with the following: “(b) Payment of any such Cost, which shall be included in the Contract Price.”	Kindly modify the said clause as below. (b) Payment of any such Cost, which shall be paid over and above of contract price.	Bid conditions shall prevail.
72.	Section 3, - PCC Cl. 17.3	77 (Vol-2)	Employer's Risks: In sub-paragraph (c) of the Sub-Clause 17.3 delete word "riot"	We request to reinstate the FIDIC Conditions.	Bid conditions shall prevail.
73.	Section 3, - PCC Cl. 20.1	85 (Vol-2)	Contractor's Claim: Further, the resources (Equipment/Manpower) shown in the Data Sheet No payments would be made towards the expenses incurred on deploying the additional resources as such unless expressly agreed by the Employer in writing.	It is pertinent to note that the bid price is derived based on the resources planned during bid stage according to the requirement of works considering its ideal output based on the site conditions envisaged during bid. If there are delays/low efficiencies due to specific site related issues which are beyond the control of the contractor and thereby requires additional resources, then the additional cost incurred by the Contractor against the same shall be compensated. Please modify this clause accordingly.	Bid conditions shall prevail.
74.	Section 3, - PCC & appendix to tender Annexure-VI (Risk Allocation Schedule)	146 (Vol-2)	I. METEOROLOGICAL/HYDROLOGICAL Adverse climatic conditions including heavy rains Risk allocation Employer = Nil	Kindly allow Extension of time (EOT) & Cost compensation against occurrence of this risk during construction.	Please refer Corrigendum # 2.
75.				The Risk Allocation Schedule recognizes that adverse climatic conditions, including heavy rains, may result in non-working conditions leading to delay in construction. At the same time, the construction programme envisages execution of substantial quantities of work during the monsoon period. Kindly clarify how delays arising from such non-working conditions are intended to be addressed	Please refer Corrigendum # 2.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
				under the Contract, particularly when the resulting delay is not attributable to the Contractor.	
76.	Section 3, - PCC & appendix to tender Annexure-VI (Risk Allocation Schedule)	146 (Vol-2)	II. Seismological: Occurrence of high intensity earthquake at the site in consideration Risk Allocation Schedule Employer: EOT Contractor: All other than those borne by Employer	Since, delay in construction due to Occurrence of high intensity earthquake is beyond control of contractor. Therefore, it is requested to provide Cost compensation also due to Occurrence of high intensity earthquake at the site. Same conditions had kept in Kamala Lot-2 Tender.	Please refer Corrigendum # 2.
77.	Section 3, - PCC & appendix to tender Annexure-VI (Risk Allocation Schedule)	146 (Vol-2)	III CONSTRAINED ACCESS TO SITE Obstruction of Highways / roads connecting the Site due to heavy traffic/ bad weather conditions/ accidents etc. Risk allocation Employer = NIL	Kindly allow Extension of time (EOT) against this, on occurrence of the risk during construction.	Bid condition shall prevail.
78.				During the site visit, multiple landslide-prone locations and road disruptions were observed along the project approach roads. Considering that such events may affect extensive stretches of the access route over several kilometres and are beyond the Contractor's control, it is not clear how liaisoning with road authorities alone would enable the Contractor to manage the resulting disruptions to transportation of materials, equipment and construction activities. Kindly review the allocation of this risk to the Contractor.	Bid condition shall prevail.
79.	Section 3, - PCC & appendix to tender Annexure-VI (Risk Allocation Schedule)	146-147 (Vol-2)	V. DUMPING AREAS 1. ... 2. Instability of disposed muck 3. Failure of slopes in dumping areas Risk allocation Employer = NIL	The Risk Allocation Schedule allocates entirely to the Contractor the risks associated with instability of disposed muck and failure of slopes in dumping areas. Considering that the designated muck disposal areas are located in hilly terrain and may be affected by heavy rainfall, landslides, slope movements and other natural events beyond the Contractor's control,	Bid condition shall prevail.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification																														
				kindly clarify the basis for allocation of the entire risk and resulting delays to the Contractor.																															
80.	Section 3, - PCC & appendix to tender Annexure-VI (Risk Allocation Schedule)	147 (Vol-2)	VI. POLITICAL & SOCIAL RISKS <table><tr><td>a. War, hostilities, invasion, acts of foreign enemies, rebellion, revolution, insurrection or usurped power, or civil war;</td><td>Non working in project hence impact in project execution/ leading to delay in construction</td><td>Extra resources to cover up delays</td><td>- EOT - Cost of redoing of damaged Permanent Works as per BOQ Rates.</td><td>All other than those borne by Employer.</td></tr><tr><td>b. Contamination by radio activity from any nuclear fuel, or from any nuclear waste or radioactive materials;</td><td></td><td></td><td></td><td></td></tr><tr><td>c. Pressure waves caused by aircraft or other aerial devices traveling at sonic or supersonic speeds</td><td></td><td></td><td></td><td></td></tr><tr><td>d. Act of any Political or Religious incidence</td><td></td><td></td><td></td><td></td></tr><tr><td>e.</td><td></td><td></td><td></td><td></td></tr><tr><td>f. Commotion or disorder, unless solely restricted to employees of the Contractor or his sub-contractors and arising from the conduct of the Works.</td><td></td><td></td><td></td><td></td></tr></table>	a. War, hostilities, invasion, acts of foreign enemies, rebellion, revolution, insurrection or usurped power, or civil war;	Non working in project hence impact in project execution/ leading to delay in construction	Extra resources to cover up delays	- EOT - Cost of redoing of damaged Permanent Works as per BOQ Rates.	All other than those borne by Employer.	b. Contamination by radio activity from any nuclear fuel, or from any nuclear waste or radioactive materials;					c. Pressure waves caused by aircraft or other aerial devices traveling at sonic or supersonic speeds					d. Act of any Political or Religious incidence					e.					f. Commotion or disorder, unless solely restricted to employees of the Contractor or his sub-contractors and arising from the conduct of the Works.					Kindly add compensation against deployment of extra resource under column (5), i.e. Risk allocation-Employer.	Bid condition shall prevail.
a. War, hostilities, invasion, acts of foreign enemies, rebellion, revolution, insurrection or usurped power, or civil war;	Non working in project hence impact in project execution/ leading to delay in construction	Extra resources to cover up delays	- EOT - Cost of redoing of damaged Permanent Works as per BOQ Rates.	All other than those borne by Employer.																															
b. Contamination by radio activity from any nuclear fuel, or from any nuclear waste or radioactive materials;																																			
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e.																																			
f. Commotion or disorder, unless solely restricted to employees of the Contractor or his sub-contractors and arising from the conduct of the Works.																																			
81.				The Risk Allocation Schedule recognizes that the listed Political & Social Risk events may result in non-working conditions leading to delay in construction and may require deployment of additional resources to recover the resulting delays. In such circumstances, the Contractor would continue to incur costs towards manpower, plant, equipment and site establishments during the period of disruption. Kindly clarify why no provision has been made for compensation of such time-related costs.	Bid condition shall prevail.																														
82.	Section 3, - PCC & appendix to tender Annexure-VI (Risk Allocation Schedule)	151 (Vol-2)	IX. UNDER GROUND EXCAVATIONS <table><tr><td>Occurrence of hard rock strata substantially adverse than that specified in Information for Bidders (IFB)</td><td>- Excessive wear & tear of drilling bits.</td><td>- Use of proper drilling bits to meet out the requirements</td><td>Nil</td><td>All</td></tr></table>	Occurrence of hard rock strata substantially adverse than that specified in Information for Bidders (IFB)	- Excessive wear & tear of drilling bits.	- Use of proper drilling bits to meet out the requirements	Nil	All	Kindly allow Extension of time (EOT) & Cost compensation against occurrence of this risk during construction.	Bid condition shall prevail.																									
Occurrence of hard rock strata substantially adverse than that specified in Information for Bidders (IFB)	- Excessive wear & tear of drilling bits.	- Use of proper drilling bits to meet out the requirements	Nil	All																															
83.	Section 3, - PCC & appendix to tender	153 (Vol-2)	X. GENERAL HAZARDS 1. Opposition by the land rehabilitees	As per the Risk Allocation Schedule, stoppage of work due to opposition by land rehabilitees is admissible only for Extension of Time and no time-related cost is payable. This effectively shifts the	Bid condition shall prevail.																														

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification					
	Annexure-VI (Risk Allocation Schedule)			entire financial burden of prolonged site closure onto the Contractor. In case such stoppage continues for a prolonged period, the Contractor will have to bear manpower, plant and overhead costs without any compensation, which is commercially unsustainable. The Employer is requested to consider allowing time-related cost compensation in such cases.						
84.	Section 3, - PCC & appendix to tender Annexure-VI (Risk Allocation Schedule)	153 (Vol-2)	X. GENERAL HAZARDS <table><tr><td>Non availability of explosives in time due to security reasons.</td><td>Delay in construction</td><td>Liason with administrative authorities</td><td>Nil</td><td>All</td></tr></table>	Non availability of explosives in time due to security reasons.	Delay in construction	Liason with administrative authorities	Nil	All	Kindly allow Extension of time (EOT) against occurrence of this risk during construction.	Bid condition shall prevail.
Non availability of explosives in time due to security reasons.				Delay in construction	Liason with administrative authorities	Nil	All			
85.				It is requested to provide EOT and Cost Compensation for Non availability of Explosives due to Security Reasons.	Bid condition shall prevail.					
86.	The Risk Allocation Schedule allocates entirely to the Contractor the risk of non-availability of explosives due to security reasons. Since restrictions arising from security considerations, transportation controls, administrative orders or law and order measures are generally beyond the Contractor's control, it is not clear how liasioning with administrative authorities alone would enable the Contractor to avoid the resulting delay in construction. Kindly review the allocation of this risk to the Contractor.	Bid condition shall prevail.								
87.	Section 3, - PCC & appendix to tender Annexure-VI (Risk Allocation Schedule)	153 (Vol-2)	X. GENERAL HAZARDS 8.Damage to third parties due to construction of Project Road provided the damage is not due to fault of Contractor	The Risk Allocation Schedule recognizes that damage to third parties may occur without any fault of the Contractor and that such events may result in closure of the site and stoppage of work. Since the resulting delay would arise from circumstances not attributable to the Contractor, kindly review the allocation of the resulting delay risk to the Contractor.	Bid condition shall prevail.					

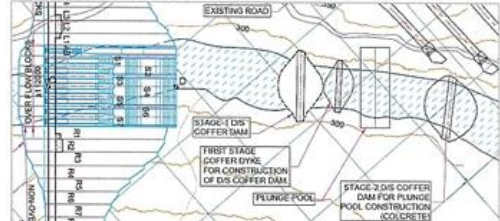
Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
88.	Section 3, - PCC & appendix to tender Annexure-VI (Risk Allocation Schedule)	146 (Vol-2)	I. Meteorological/Hydrological 1. Exceptionally Adverse climatic conditions Risk Allocation Schedule Employer: Nil Contractor: Yes	Since, delay in construction due to Adverse climatic conditions is beyond control of contractor. Therefore, it is requested to provide EOT and Cost compensation also due to Adverse climatic conditions. Same conditions had kept in Kamala Lot-2 Tender.	Please refer Corrigendum # 2
89.	Section 4, - PCC & Appendix to tender Forms & Procedure;	191 (Vol-2)	Attachment-1 Bid Security Form Bank Guarantee [...] WHEREAS (name of Bidder) (hereinafter called “the Bidder”) has submitted its Bid dated (date of bid) for the performance of the above-named Contract (hereinafter called “the Bid”)	It is requested to delete the highlighted text and modify the clause as: “WHEREAS (name of Bidder) (hereinafter called “the Bidder”) has submitted its Bid for the performance of the above-named Contract (hereinafter called “the Bid”)”.	Please refer Corrigendum # 2
90.	Section 4: Appendix to Tender, Forms & Procedure;	191 (Vol-2)	ATTACHMENT – 1 Bid Security Form Bank Guarantee	It is requested to add this NWC clause at the end of Bank Security Form: “Notwithstanding anything contained herein: i. Our liability under this Bank Guarantee shall not exceed _____ . ii. This Bank Guarantee shall be valid up to _____. iii. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if Employer serve upon Bank a written claim or demand on or before _____ (@) _____.”	Please refer Corrigendum # 2
91.	Section 4: Appendix to Tender, Forms & Procedure	289 (Vol-2)	Bank Guarantee Form for Release / Payment of Retention Money	It is requested to add this NWC clause at the end of Bank Guarantee Form for Release/Payment of Retention Money: “Notwithstanding anything contained herein: i. Our liability under this Bank Guarantee shall not exceed _____ .	Please refer Corrigendum # 2

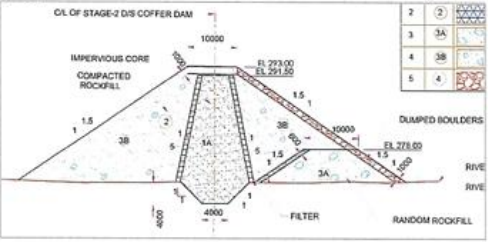
Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
				ii. This Bank Guarantee shall be valid up to _____. iii. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if Employer serve upon Bank a written claim or demand on or before _____ (@) _____.”	
92.	Section 5, - BOQ	4 (Vol-3)	Sl. No. 3: Dewatering of Surface Construction Sites including supply, installation and removal of pumping equipment from the site (Fixed Rate Item)	BOQ Item A1.1 has been provided as a fixed-rate item at ₹24.19/kWh, including 18% GST, leaving fixed rate of dewatering @ Rs. 19.84/kwh, is it based on grid power use rate or composition of Grid power and DG power. Please clarify the basis adopted for arriving at the fixed rate, including the assumed proportion of grid power and DG power considered. Further, please clarify whether variations in electricity tariff, diesel prices and other energy-related costs during the contract period are deemed covered under the contract provisions and indicate the applicable price adjustment mechanism, if any.	Bid conditions are clear in this regard. Bid condition shall prevail.
93.			Estimation of LOT 1 works	Based on up on above (Dewatering rate) the estimation of LOT 1 works, are on composite rates of grid power rates and DG power use rates or only DG power use rates. To understand and have common working out of estimation for all item of works.	Bid conditions are clear in this regard. Bid condition shall prevail.
94.	Section 5, - BOQ	10 (Vol-3)	Jet Grouting trails including reports etc.	We understands that the trial works are to be carried out at both upstream and downstream locations. Please Clarify	Trials to be carried out to achieve target permeability as per Technical Specification section B.8.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
95.	Section 5, - BOQ	10 (Vol-3)	Jet Grouting cutoff including permeation grouting for upstream and downstream coffer dams...	The Bidder requests the estimated quantity details, together with the minimum and maximum depths, for the permeation grouting works to be carried out.	Please refer BOQ and drawing No. NHKM- 2CT1 41-GA-028 & NHKM-2CT1 41-GA-030 and Technical Specification Section B.8
96.	Section 6, - Technical Specifications for Works, Model Quality Assurance Plan and Safety Manual Cl. 8.1 Scope of works sub Point 5	234 (Vol-4)	The specialist sub-contractor who has already been pre-qualified along with the main contractor shall execute the work. No other arrangements between the main contractor and the specialist sub-contractor in the form of consultancy, equipment supplying, construction management etc. shall be acceptable. Any proposal for change of sub-contractor or any other changes will not be accepted in any circumstances.	We request to allow future changes in the selection & deployment of specialist sub-contractor, reason being the coffer dam is to be executed after 21 months from the commencement date. In the mean duration, the proposal could be alternated to suit based on site conditions. Kindly allow the contractor to depute any other specialised agency than those mentioned during the bidding stage, if they qualify and after approval of Engineer in charge.	Bid condition shall prevail.
97.	Section 6, - Technical Specifications for Works, Model Quality Assurance Plan and Safety Manual	249 (Vol-4)	Jet Grouting trails	The Bidder understands that the required target permeability criterion for the main jet grouting work is 3×10^{-7} m/sec or better. Kindly confirm	The target permeability is Specified in Technical Specification Section B.8.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
	Cl. 8.4.9.10 5				
98.	Section 6; Technical Specifications for Works, Model QAP and Safety Manual Cl B.21	570 (Vol-4)	B.21 Road Works Access Road to Various Work Sites and Bridges in Project Area	Kindly provide the details of the existing road network for the project, including the following: - ROW, Carriageway Width, Drain, Type of Road. - Locations, specifications and details of culverts and cross-structures. - General Arrangement Drawing, Design Discharge and HFL of Bridges (2 Nos. 90m and 40m span). - AutoCAD drawings of the road network layout (Existing) - Contour survey in AutoCAD format for planning road and cross-structures, i.e., culverts and bridges. - Request to provide access road alignment showing contour plan to understand the topography i.e. cutting/ filling and natural streams etc. Please confirm whether the project site remains accessible throughout the year, including during the monsoon season. If available, we request to share the route survey and related details to enable assessment of logistics feasibility and uninterrupted movement of construction equipment and materials.	To access the Project components on the left & right bank, the road constructed under PMGSY Scheme is available. However, the condition of the left bank road is deplorable and the right bank road condition is good. The left bank and right bank road have been kept in the Lot 1 Contractor scope for widening, therefore, the conditions of culverts and cross structures have to be ascertained by the contractor before start of widening of roads. The project does not have the auto cad drawing of road network. However, the indicative plan

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
					showing the road network in KML file is being provided. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6Yzl528Arqmhclgo mWwo0Y/view?usp=sharing
99.	Section 6; Technical Specifications for Works, Model QAP and Safety Manual Cl B.21	588 (Vol-4)	B.21 Road Works 21.9 CONCRETE PAVEMENT 2) The thickness of pavement slab shall be 225 mm and of grade M40/A25 of concrete. However, the thickness of the concrete pavement may be modified to suit the site conditions with the express approval of Engineer - in -Charge 5.0 LOCATION AND STATUS OF ACCESS ROADS TO SITES OF PROJECT Left Bank Access Road: [...] Widening of existing road on left bank of Kamala River from Tamen to Pokhu village of approx. 5 Km length with 7m width cement concrete pavement of thickness 250mm shall be done by Lot-1 Contractor. [...] Right Bank Access Road: [...]The widening and maintenance of this access road of 10 Km length with 7m width cement concrete pavement of thickness 250mm [...]	The Thickness of Concrete Pavement for Road Works is mentioned as 225mm in Vol-4 Technical Specifications, whereas in IFB, the thickness is mentioned as 250mm for both Left Bank and Right Bank access roads. It is requested to clarify this discrepancy.	Please refer tender drawings. The thickness of concrete pavement of road has been kept as 250 mm, considering the heavy vehicular movement and heavy rainfall in the terrain.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
100.	Section 6; Technical Specifications for Works, Model QAP and Safety Manual Cl B.21	576 (Vol-4)	B.21 Road Works 21.3 ACCESS ROADS WITHIN THE PROJECT AREA 21.3.1 [...] Both the RWD roads (left and right bank) will be disconnected for public use due to involvement of dam stripping. The road realignment therefore, shall be taken up accordingly	It is requested to kindly clarify the scope of work and the applicable terms and conditions for payment related to the road realignment works.	The realignment of road execution has been planned through deposit works basis from RWD, Govt. of Arunachal Pradesh not by the Lot 1 Contractor.
101.	Section 6; Technical Specifications for Works, Model QAP and Safety Manual Cl B.21 & Volume 1; Part-2; Section 1; Information for bidders (IFB) and Construction Schedule	573 (Vol-4) & 143 (Vol-1)	Construction Schedule B.21 Road Works 21.1 SCOPE OF THE WORK [...] 3. The roads shall be designed and constructed by the contractor based on the tentative layout shown on the drawings, specification as described herein. The contractor shall submit the design of the road, Bridges etc. to the Engineer-In-Charge for approval before start of the work.	As per the construction schedule, the commencement of road and bridge works is planned one month after start of mobilization. Further, the Technical Specifications indicate that the design of the road and bridge works is within the Contractor's scope of work. Based on the above, we understand that the start of road and bridge construction activities has been allocated in the given schedule for the completion of the required design and approval activities by the Contractor. Kindly clarify the same.	The construction period provided in the Schedule includes the overall duration of all the activities related to construction of road and bridge works.
102.	Section 7, Tender Drawings	9 (Vol-5)	Drawing No. NHKM – 1AT1-41-GA-003 (Dam General Arrangement Plan) 	As per Dam General Arrangement Layout Plan, the Stage-2 D/s Cofferdam for Plunge Pool Construction is proposed with Colcrete type. However, as per its detail drawing (Stage-2 Downstream Cofferdam Plan and Sections), the same is proposed with Rockfill+Clay Core zones.	Please refer Drawing No. NHKM- 2CT1-41-GA-031 for Stage-2 Downstream Cofferdam Plan and Sections. However, Drawing No. NHKM

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
				We understand that the details given in latter drawing shall prevail. Kindly confirm and incorporate the changes in the Dam General Arrangement Plan drawing.	– 1AT1-41-GA-003 is updated and attached in the Corrigendum #2.
103.	Section 7, Tender Drawings	37 (Vol-5)	Drawing no NHKM - 2CT1-41-GA-031 (Stage-2 Downstream Cofferdam Plan and Sections) 		Bid conditions are clear in this regard.
104.	Section 7, Tender Drawings	14 (Vol-5)	Tender Drawing No. NHKM-1AT1-41-GA-008-00 DAM RIVER DIVERSION WORKS LAYOUT PLAN	We understand that Adit to diversion tunnel at EL 286 m is planned. We request to provide a layout plan Showing L-section showing intersection chainage of Adit with DT.	Adit L-Section is attached in Corrigendum #2. Please refer Corrigendum #2.
105.				In the mentioned drawing, the outfall of DT-01, DT-02 & DT-03 shown in the layout has not been aligned with the longitudinal section. Kindly clarify the same.	Drawing updated and attached in the Corrigendum # 2.
106.	Section 7, Tender Drawings	16 (Vol-5)	Tender Drawing No. NHKM-2BT1-41-GA-010-00 ADIT TO DIVERSION TUNNEL PORTAL EXCAVATION PLAN AND SECTIONS Approach road to the Invert of Adit shall be planned by the bidder	Please clarify whether excavation, slope stabilization, retaining structures, drainage and other works required for development of the approach road to the Adit portal are included within the tender quantities and identify the corresponding BOQ provisions.	Bid conditions are clear in this regard.
107.	Section 7, Tender Drawings	19 & 22 (Vol-5)	DRG. NO. - NHKM/1AT1/41/GA/013 Diversion tunnel inlet excavation plan and section & DRG. NO. - NHKM/1AT1/41/GA/016 Diversion tunnel outlet excavation plan and section	As per the indicated drawing, un-excavated rock ledge is provided to isolate the working area. We request to provide the river water levels in lean & monsoon period in river kamala to plan the construction activities.	Please refer the bid documents.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
108.	Section 7, Tender Drawings	34-36 (Vol-5)	DRG.NO :- NHKM-2CT1-41-GA-028 & NHKM-2CT1-41-GA-030	As shown in the drawing, the working platform for jet grouting works is El. +306 m for the upstream side and El. +285.5 m for the downstream side. If jet grouting is to be carried out from these elevations, the working platform shall be at least 2 m above the jet grout columns. Kindly clarify	Jet Grouting to be done as shown in drawing no. NHKM-2CT1-41-GA-028, minimum 1m into bed rock with working platform at upstream coffer dam at EL.306.0m & in drawing no. NHKM-2CT1-41-GA-030, downstream coffer dam working platform at EL.285.50m. Please read the drawing along with Technical Specification.
109.	Section 7, Tender Drawings	34-36 (Vol-5)	DRG.NO:- NHKM-2CT1-41-GA-028 & NHKM-2CT1-41-GA-030	The Bidder requests the sectional details for the jet grouting works, including the minimum and maximum depths.	Please refer Drawing No. NHKM- 2CT1-41-GA-028 & NHKM- 2CT1-41-GA-030 showing the minimum and maximum depths.
110.	Section 7, Tender Drawings	34-36 (Vol-5)	DRG.NO:- NHKM-2CT1-41-GA-028 & NHKM-2CT1-41-GA-030	The Bidder requests the length of the upstream and downstream cofferdams where jet grouting is to be carried out.	Please refer drawing No. NHKM- 2CT1-41-GA-028 & NHKM- 2CT1-41-GA-030 for upstream and downstream jet grouting details.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
111.	Section 7, Tender Drawings	34-36 (Vol-5)	DRG.NO:- NHKM-2CT1-41-GA-028 & NHKM-2CT1-41-GA-030	The drawings indicate a typical jet grouting spacing pattern (primary and secondary holes), whereas the specifications and drawing notes state that spacing shall be finalized by the Bidder. Kindly clarify whether the indicated spacing and diameter may be considered as a basis for estimation, and confirm that any increase in the number of columns required to meet the performance criteria shall be compensated.	The pattern shown is to be read with notes in the drawing and refer Technical Specification Section B.8
112.	Section 7, Tender Drawings	70-71 (Vol-5)	Typical Section of Cement Concrete road proposed for widening of 15km length	Only typical road sections and existing road alignment drawings have been provided in the tender drawings. Please issue the detailed drawings envisaged for road widening, bridge/culvert improvements and niche arrangements under the scope.	The details design and drawings envisaged for road widening are to be prepared by the Contractor after ascertaining site. The contractor has to plan and design the widening of the roads and strengthening of the bridges/culverts according to the equipment and machineries that the contractor plans to mobilise for developing construction facility area, establishing BMP and APP and for construction of dam.

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113.	Section 7, Tender Drawings	72 (Vol-5)	Google earth image showing locations of existing bridges	It is requested to share GAD of Existing bridge Tamen which is downstream to proposed 90 m span bridge. Similarly, GAD of Existing bridge of Boasimla which is upstream of proposed 40 m span bridge, is also required. These GADs are required to get information about substructure and nearby river cross sections in absence of contours and geotechnical investigations.	KMZ file of the complete project sites is enclosed for visualization in GIS/Google earth. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhclgomWwo0Y/view?usp=s haring																																																																																																																																																												
114.	Section 8-Data Sheet 3C	11 (Vol-6)	The Data sheet 3C comprises of following equipment's : <table border="1"> <thead> <tr> <th>Sl.No.</th><th>Description of Plant/Equipment</th><th>Power Rating per each qty (Approx)</th><th>Capacity/ Production output</th><th>Unit</th><th>Total nos. of Equipment</th></tr> </thead> <tbody> <tr><td>1</td><td>Batching & Mixing Plant 250 cum./hr.</td><td>650 KW</td><td>250</td><td>Cum/hr</td><td>1</td></tr> <tr><td>2</td><td>Aggregate Processing Plant 500 TPH</td><td>1300 KW</td><td>500</td><td>TPH</td><td>1</td></tr> <tr><td>3</td><td>Batching & Mixing, Plant 750 cum./hr.</td><td>1950 KW</td><td>750</td><td>Cum/hr</td><td>1</td></tr> <tr><td>4</td><td>Aggregate Processing Plant 1500 TPH</td><td>3900 KW</td><td>1500</td><td>TPH</td><td>1</td></tr> <tr><td>5</td><td>Ice Plant 600 TPD</td><td>1700 KW</td><td>600</td><td>TPD</td><td>1</td></tr> <tr><td>6</td><td>Chilling Plant 4200 TR</td><td>3000 KW</td><td>4200</td><td>TR</td><td>1</td></tr> <tr><td>7</td><td>Tower Crane Mountable Placer 30T @ 100m (Tower/Top Belt Conveyor System) having 110 m reach with 400 cum/hr concrete pouring capacity</td><td>515 KW</td><td>400</td><td>Cum/hr</td><td>3</td></tr> <tr><td>8</td><td>Jetting rig along with high pressure pumps, mixing units, compressors etc.</td><td>1126 KW</td><td></td><td></td><td>2</td></tr> <tr><td>9</td><td>Two Boom Drill Jumbo</td><td>135 KW</td><td>100</td><td>m/hr</td><td>3</td></tr> <tr><td>10</td><td>Ventilation System</td><td>325 KW</td><td></td><td></td><td>L.S</td></tr> <tr><td>11</td><td>High Pressure Water Blaster</td><td>40 KW</td><td></td><td></td><td>2</td></tr> </tbody> </table>	Sl.No.	Description of Plant/Equipment	Power Rating per each qty (Approx)	Capacity/ Production output	Unit	Total nos. of Equipment	1	Batching & Mixing Plant 250 cum./hr.	650 KW	250	Cum/hr	1	2	Aggregate Processing Plant 500 TPH	1300 KW	500	TPH	1	3	Batching & Mixing, Plant 750 cum./hr.	1950 KW	750	Cum/hr	1	4	Aggregate Processing Plant 1500 TPH	3900 KW	1500	TPH	1	5	Ice Plant 600 TPD	1700 KW	600	TPD	1	6	Chilling Plant 4200 TR	3000 KW	4200	TR	1	7	Tower Crane Mountable Placer 30T @ 100m (Tower/Top Belt Conveyor System) having 110 m reach with 400 cum/hr concrete pouring capacity	515 KW	400	Cum/hr	3	8	Jetting rig along with high pressure pumps, mixing units, compressors etc.	1126 KW			2	9	Two Boom Drill Jumbo	135 KW	100	m/hr	3	10	Ventilation System	325 KW			L.S	11	High Pressure Water Blaster	40 KW			2	Bidder request to consider below mentioned capacities & numbers of equipment based on manufacturers recommendation, keeping the total capacity / production output same as mentioned in tender document. Kindly clarify if we can consider the same. <table border="1"> <thead> <tr> <th>Sl.No.</th><th>Description of Plant/Equipment</th><th>Power Rating per each qty (Approx)</th><th>Capacity/ Production output</th><th>Unit</th><th>Total nos. of Equipment</th></tr> </thead> <tbody> <tr><td>1</td><td>Batching & Mixing Plant 240 cum./hr.</td><td></td><td>240</td><td>Cum/hr</td><td>1</td></tr> <tr><td>2</td><td>Aggregate Processing Plant 250 TPH</td><td></td><td>250</td><td>TPH</td><td>2</td></tr> <tr><td>3</td><td>Batching & Mixing Plant 240 cum./hr.</td><td></td><td>240</td><td>Cum/hr</td><td>3</td></tr> <tr><td>4</td><td>Aggregate Processing Plant 500 TPH</td><td></td><td>500</td><td>TPH</td><td>3</td></tr> <tr><td>5</td><td>Ice Plant 130 TPD</td><td></td><td>130</td><td>TPD</td><td>4</td></tr> <tr><td>6</td><td>Chilling Plant 40 TPD</td><td></td><td>40</td><td>TPD</td><td>1</td></tr> <tr><td>6</td><td>Chilling Plant 500 TR</td><td></td><td>500</td><td>TR</td><td>8</td></tr> <tr><td>6</td><td>Chilling Plant 160 TR</td><td></td><td>160</td><td>TR</td><td>1</td></tr> <tr><td>7</td><td>Tower Crane equivalent make/model capacity 26T @ 85m HUH -100m or equivalent make/model capacity 33T @ 80m HUH 99.58m or equivalent make /model capacity 30T @ 80m HUH 93m. The proposed capacities are based on manufacturer's recommendation.</td><td>As per Equipment specifications</td><td></td><td></td><td>3</td></tr> <tr><td>8</td><td>Jetting rig along with high pressure pumps, mixing units, compressors etc.</td><td></td><td></td><td></td><td>2</td></tr> <tr><td>9</td><td>Two Boom Drill Jumbo</td><td></td><td>90</td><td>m/hr</td><td>3</td></tr> <tr><td>10</td><td>Ventilation System</td><td>170 KW</td><td></td><td></td><td>2</td></tr> <tr><td>11</td><td>High Pressure Water Blaster</td><td>30-33 KW</td><td>13 to 70</td><td>Ltrs/min</td><td>2</td></tr> </tbody> </table> Sl. no. 1 ,3 ,7 are proposed capacities based on manufacture's recommendation and for Sl. no. 8 kindly provide capacity, mixing unit capacity etc.	Sl.No.	Description of Plant/Equipment	Power Rating per each qty (Approx)	Capacity/ Production output	Unit	Total nos. of Equipment	1	Batching & Mixing Plant 240 cum./hr.		240	Cum/hr	1	2	Aggregate Processing Plant 250 TPH		250	TPH	2	3	Batching & Mixing Plant 240 cum./hr.		240	Cum/hr	3	4	Aggregate Processing Plant 500 TPH		500	TPH	3	5	Ice Plant 130 TPD		130	TPD	4	6	Chilling Plant 40 TPD		40	TPD	1	6	Chilling Plant 500 TR		500	TR	8	6	Chilling Plant 160 TR		160	TR	1	7	Tower Crane equivalent make/model capacity 26T @ 85m HUH -100m or equivalent make/model capacity 33T @ 80m HUH 99.58m or equivalent make /model capacity 30T @ 80m HUH 93m. The proposed capacities are based on manufacturer's recommendation.	As per Equipment specifications			3	8	Jetting rig along with high pressure pumps, mixing units, compressors etc.				2	9	Two Boom Drill Jumbo		90	m/hr	3	10	Ventilation System	170 KW			2	11	High Pressure Water Blaster	30-33 KW	13 to 70	Ltrs/min	2	Bidder is requested to adhere the List of construction plant/ equipment as per Data Sheet 3C of tender document.
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6	Chilling Plant 4200 TR	3000 KW	4200	TR	1																																																																																																																																																												
7	Tower Crane Mountable Placer 30T @ 100m (Tower/Top Belt Conveyor System) having 110 m reach with 400 cum/hr concrete pouring capacity	515 KW	400	Cum/hr	3																																																																																																																																																												
8	Jetting rig along with high pressure pumps, mixing units, compressors etc.	1126 KW			2																																																																																																																																																												
9	Two Boom Drill Jumbo	135 KW	100	m/hr	3																																																																																																																																																												
10	Ventilation System	325 KW			L.S																																																																																																																																																												
11	High Pressure Water Blaster	40 KW			2																																																																																																																																																												
Sl.No.	Description of Plant/Equipment	Power Rating per each qty (Approx)	Capacity/ Production output	Unit	Total nos. of Equipment																																																																																																																																																												
1	Batching & Mixing Plant 240 cum./hr.		240	Cum/hr	1																																																																																																																																																												
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5	Ice Plant 130 TPD		130	TPD	4																																																																																																																																																												
6	Chilling Plant 40 TPD		40	TPD	1																																																																																																																																																												
6	Chilling Plant 500 TR		500	TR	8																																																																																																																																																												
6	Chilling Plant 160 TR		160	TR	1																																																																																																																																																												
7	Tower Crane equivalent make/model capacity 26T @ 85m HUH -100m or equivalent make/model capacity 33T @ 80m HUH 99.58m or equivalent make /model capacity 30T @ 80m HUH 93m. The proposed capacities are based on manufacturer's recommendation.	As per Equipment specifications			3																																																																																																																																																												
8	Jetting rig along with high pressure pumps, mixing units, compressors etc.				2																																																																																																																																																												
9	Two Boom Drill Jumbo		90	m/hr	3																																																																																																																																																												
10	Ventilation System	170 KW			2																																																																																																																																																												
11	High Pressure Water Blaster	30-33 KW	13 to 70	Ltrs/min	2																																																																																																																																																												

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification																														
115.	Section 8-Data Sheet 3C	11 (Vol-6)	<table><tr><td>1</td><td>Batching & Mixing Plant, 250 cum./hr.</td><td>650 KW</td><td>250</td><td>Cum/hr</td></tr><tr><td>2</td><td>Aggregate Processing Plant 500 TPH</td><td>1300 KW</td><td>500</td><td>TPH</td></tr><tr><td>3</td><td>Batching & Mixing, Plant750 cum./hr.</td><td>1950 KW</td><td>750</td><td>Cum/hr</td></tr><tr><td>4</td><td>Aggregate Processing Plant 1500 TPH</td><td>3900 KW</td><td>1500</td><td>TPH</td></tr></table>	1	Batching & Mixing Plant, 250 cum./hr.	650 KW	250	Cum/hr	2	Aggregate Processing Plant 500 TPH	1300 KW	500	TPH	3	Batching & Mixing, Plant750 cum./hr.	1950 KW	750	Cum/hr	4	Aggregate Processing Plant 1500 TPH	3900 KW	1500	TPH	It appears that the capacity/ number of Batching Plant & Crushing Plant defined in Data Sheet 3C is very high in consideration of the volume of works involved & time period available. Kindly revise the same as below: • Batching & Mixing Plant – 120 cum./hr. (1 No) • Batching & Mixing Plant – 480 cum./hr. (1 No) • Aggregate Processing Plant – 240 TPH (1 No) Aggregate Processing Plant – 1000 TPH (1 No)	Bidder is requested to adhere the List of construction plant/equipment as per Data Sheet 3C of tender document.										
1	Batching & Mixing Plant, 250 cum./hr.	650 KW	250	Cum/hr																															
2	Aggregate Processing Plant 500 TPH	1300 KW	500	TPH																															
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116.	Section 8-Data Sheet 3C	11 (Vol-6)	<table><tr><th>Sl. No.</th><th>Description of Plant /Equipment</th><th>Power Rating per each qty (Approx)</th><th>Capacity/ Production output</th><th>Unit</th><th>Total nos. of Equipment</th></tr><tr><td>1</td><td>Batching & Mixing Plant, 250 cum./hr.</td><td>650 KW</td><td>250</td><td>Cum/hr</td><td>1</td></tr><tr><td>2</td><td>Aggregate Processing Plant 500 TPH</td><td>1300 KW</td><td>500</td><td>TPH</td><td>1</td></tr><tr><td>3</td><td>Batching & Mixing, Plant750 cum./hr.</td><td>1950 KW</td><td>750</td><td>Cum/hr</td><td>1</td></tr><tr><td>4</td><td>Aggregate Processing Plant 1500 TPH</td><td>3900 KW</td><td>1500</td><td>TPH</td><td>1</td></tr></table>	Sl. No.	Description of Plant /Equipment	Power Rating per each qty (Approx)	Capacity/ Production output	Unit	Total nos. of Equipment	1	Batching & Mixing Plant, 250 cum./hr.	650 KW	250	Cum/hr	1	2	Aggregate Processing Plant 500 TPH	1300 KW	500	TPH	1	3	Batching & Mixing, Plant750 cum./hr.	1950 KW	750	Cum/hr	1	4	Aggregate Processing Plant 1500 TPH	3900 KW	1500	TPH	1	Based on our preliminary assessment of the volume of concrete included in the scope and the time available, the concreting in this Contract package will be in 2 phases i.e Concreting of Diversion Tunnel Works & Concreting of Dam. However, the capacity of the Batching Plant provided in Data sheet 3C appears to be not in line with the above. Also, the capacities of Batching plants mentioned are not matching with the standard readily available plant capacities in India. Hence, we suggest that the capacities of Batching Plant & Crushing plant shall be modified as below: • Batching & Mixing Plant (Phase-I) - 60 cum/hr (1 No) • Batching & Mixing Plant (Phase-II) - 720 cum/hr (1 No) • Aggregate Processing Plant (Phase-I) - 150 TPH (1 No) • Aggregate Processing Plant (Phase-II) - 1500TPH (1 No)	Bidder may be requested to adhere the list of key construction plant/equipment as per Data Sheet 3C of tender document.
Sl. No.	Description of Plant /Equipment	Power Rating per each qty (Approx)	Capacity/ Production output	Unit	Total nos. of Equipment																														
1	Batching & Mixing Plant, 250 cum./hr.	650 KW	250	Cum/hr	1																														
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Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification						
117.	Section 8- Data Sheet 3C	11 (Vol-6)	<table><tr><td>7</td><td>30T @ 100m Tower Crane Mountable Placer (Tower/Top Belt Conveyor System) having 110 m reach with 400 cum/hr concrete pouring capacity</td><td>515 KW</td><td>400</td><td>Cum/hr</td><td>3</td></tr></table>	7	30T @ 100m Tower Crane Mountable Placer (Tower/Top Belt Conveyor System) having 110 m reach with 400 cum/hr concrete pouring capacity	515 KW	400	Cum/hr	3	Based on our preliminary assessment of the Dam drawings and the volume involved we recommend that 2 nos of Tower crane with conveyor belt system will be sufficient to complete the Dam in the deep river gorge portion and the remaining shallow blocks can be handled with tower cranes & Truck mounted Tele belt system. Since this equipment is highly specialized and highly priced, this modification will result substantial reduction in the Bid price. Kindly Consider.	Bidder may be requested to adhere the quantity of Tower Belt conveyor as per Data Sheet 3C of tender document to cover concreting of entire area of Dam body for fast pouring.
7	30T @ 100m Tower Crane Mountable Placer (Tower/Top Belt Conveyor System) having 110 m reach with 400 cum/hr concrete pouring capacity	515 KW	400	Cum/hr	3						
118.				The construction methodology envisages three Tower Belt Conveyor Systems having an aggregate placing capacity of 1200 m³/hr against a proposed batching and mixing plant capacity of 1000 m³/hr. Since the available concrete production capacity is lower than the stated concrete placing capacity, the basis of requiring deployment of three such systems is not evident. Kindly review the equipment deployment requirement.	3 Nos Tower Belt Conveyors are required to cover concreting of entire area of Dam body for fast pouring. These Belt Conveyor systems are normally having actual concrete pouring capacity of approx. 70-75 % efficiency only. Accordingly, B&M plant capacity is grossly aligned meeting the concrete pouring requirement.						
119.	Section 8- Data Sheet 3C	12 (Vol-6)	<table><tr><td>12</td><td>Compressed Air (cfm)</td><td>0.24 KW/CFM</td><td>-</td><td>cfm</td><td>5600</td></tr></table>	12	Compressed Air (cfm)	0.24 KW/CFM	-	cfm	5600	The Total nos. of equipment - 5600 seems to be a typo error. Request to provide the corrected no. of equipment.	It is clarified that the indicated figure 5600, is the CFM requirement which
12	Compressed Air (cfm)	0.24 KW/CFM	-	cfm	5600						

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification																																								
					has also been clarified in the respective row of Data Sheet 3C of Tender Document.																																								
120.	Section 8- Data Sheet 4A	16 (Vol-6)	<table><tr><th>Section of Work</th><th>Reference to Technical Specification</th><th>Name(s) & Address</th><th>Description and Location of Similar Works previously executed</th></tr><tr><td>Post-Tensioned Rock bolt (Tendons)</td><td>B 4.5.1 (5)</td><td></td><td></td></tr><tr><td>Pre-grouting/ fore poling</td><td>B 4.9.1 (6)</td><td></td><td></td></tr><tr><td>Pipe Roofing</td><td>B 4.9.2 (6)</td><td></td><td></td></tr><tr><td>Curtain Grouting</td><td>B 7.8.4.2(1)</td><td></td><td></td></tr><tr><td>Jet Grouting</td><td>B 8.4.3 (1)</td><td></td><td></td></tr><tr><td>Building and Architectural works</td><td>B15.2 (1)</td><td></td><td></td></tr><tr><td>Monitoring Instruments</td><td>B18.1.1 (11)</td><td></td><td></td></tr><tr><td>3D TSP(Tunnel Seismic Prediction) Test</td><td>B 18.1.1 (11)</td><td></td><td></td></tr><tr><td>Water supply and Sewage Management system</td><td>B19.2 (1)</td><td></td><td></td></tr></table>	Section of Work	Reference to Technical Specification	Name(s) & Address	Description and Location of Similar Works previously executed	Post-Tensioned Rock bolt (Tendons)	B 4.5.1 (5)			Pre-grouting/ fore poling	B 4.9.1 (6)			Pipe Roofing	B 4.9.2 (6)			Curtain Grouting	B 7.8.4.2(1)			Jet Grouting	B 8.4.3 (1)			Building and Architectural works	B15.2 (1)			Monitoring Instruments	B18.1.1 (11)			3D TSP(Tunnel Seismic Prediction) Test	B 18.1.1 (11)			Water supply and Sewage Management system	B19.2 (1)			Kindly delete the “water supply and Sewage management System” from the list since the same is part of “Building & Architectural works” (already part of Data Sheet-4A) and obtaining/producing “experience certificates” specific to such minor works is not generally practiced.	Contract conditions shall prevail.
Section of Work	Reference to Technical Specification	Name(s) & Address	Description and Location of Similar Works previously executed																																										
Post-Tensioned Rock bolt (Tendons)	B 4.5.1 (5)																																												
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3D TSP(Tunnel Seismic Prediction) Test	B 18.1.1 (11)																																												
Water supply and Sewage Management system	B19.2 (1)																																												
121.				We request you to delete the "Water Supply and Sewage Management System" from the list, as the same is part of the Building Works package. However, we are submitting the credentials/details of the Building Works agency for your consideration.	Contract conditions shall prevail.																																								
122.	Section 8- Data Sheet 5	17 (Vol-6)	Data Sheet 5 "Construction Programme" The Construction Programme shall show various activities and their period including interdependent milestones specified in Appendix to Tender. The duration of interdependent milestones shall be kept same as specified in Appendix to Tender.	Kindly provide us the tentative Date of Letter of Acceptance / commencement Date so as to prepare technical submissions under Data sheet 5 "Construction Programme"	Date of Letter of Acceptance / commencement Date are subject to the finalisation of the tendering process.																																								

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
123.	Section 8- Data Sheet 6	21 (Vol-6)	Diversion Tunnel: Excavation of DT Inlet & Outlet Structures shall be completed in 5 months & 2 months respectively.....	As per the Construction Schedule the time provided for excavation of DT Inlet & Outlet Structure is 7months & 4months respectively which we understand is adequate based on the quantity involved. However, in the Data Sheet 06, the time provided for excavation of the same is 5months & 2months respectively. So, kindly allow necessary correction in the Data Sheet 06 in compliance with Construction Schedule.	The time provided in construction schedule for excavation of DT Inlet & Outlet Structure includes the effect of monsoon season on Surface Works, whereas the time provided in Data Sheet -6 is effective working period. Hence, there is no change in construction schedule for excavation of DT Inlet & Outlet Structure.
124.	Section 8- Data Sheet 6	22 (Vol-6)	Data Sheet 6: Construction Methods 2. COFFERDAMS AND RIVER DIVERSION: Construction of 1st stage U/s Coffor dyke shall be completed in 0.5 month. [..]	The construction duration of Upstream Dyke is mentioned as 5 days in Construction Schedule, whereas in Construction Methods it is mentioned as 0.5 month. It is requested to clarify this discrepancy.	Construction of Upstream Dyke required to start the construction of Coffor dam and it is a parallel activity with construction of Coffor Dam. Hence, no change is required in the duration of upstream

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
					Dyke provided in Construction Schedule. Bidder may be requested to adhere the time period mentioned in the tender schedule.
125.	Section 8-Data Sheet 6 General (3 rd Para)	20 (Vol-6)	Construction methodology and selection of equipment has been planned with the aim to commission the project in the scheduled time. The available working season in a year in the project area has been considered as 12 months for all underground works & 8 months for surface works as 50 % work will progress during monsoon season.	Considering the River discharge pattern for the months of October and May in Arunachal Pradesh, including occurrences of Flash flood, cloud bursts etc and the impact on the road communications etc., 8 months working period for Surface works appears to be highly optimistic and NHPC is requested to Review the same.	Bidder may be requested to adhere provision mentioned in the tender document and accordingly plan to meet out schedule
126.	Section 8-Data Sheet 6	20 (Vol-6)	Commissioning of 300m Feeder Conveyor Belt from batching plant up to Tower Belt Conveyor	The construction methodology envisages feeding the Tower Belt Conveyor System through approximately 300 m long feeder conveyor belts from the batching plant. However, based on the batching plant location during site visit, the conveyor length appears to be substantially greater than 300 m. Kindly clarify the basis of the 300 m feeder conveyor length considered in the construction methodology.	The location of APP & B&M plant are tentative as shown in the tender. Approx. 300 m feeder conveyor length has been considered to feed tower belt conveyor system. However, bidder may visit the site & confirm the length before quoting tender.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
127.	Section-1 IFB- Construction Schedule	142-144 (Vol-1)	DTI1010: Concreting of DT Inlet Structure (75 days)	The time period (75 days) provided for concreting of DT Inlet Structure is inadequate in consideration of its height of 68m from the bottom (EL 272m to EL 340m). The activity demands a progress of about 27.2m/month which is practically not feasible considering the reinforcement & formwork activities required. Also, since the Lining activity of DT's is scheduled to be completed by 20.25month only, it is not necessary to complete the Inlet concreting in advance. Considering 2months period for Gate Erection, the concreting of Gate Structure can continue up to at least 18th month. Accordingly, kindly allow to increase the time of Concreting of DT Inlet Structure to at least <u>7months</u> in Construction Schedule & Data Sheet 06. In view of the above the Milestone mentioned in PCC may also be revised as below. MS03: Completion of Concreting of DT Inlet Structure: 18th Month	The time provided in construction schedule for concreting of DT Inlet Structure & concrete lining of DT is feasible in line with Construction methodology (Data Sheet 06). The change in time period of this activity will delay the achievement of Milestone -03 as well as overall Completion of the work. Hence, there is no change in construction schedule of these activities.
128.	Section-8, Data Sheet 06	20-24 (Vol-6)	 Concreting of DT inlet & outlet structures shall take about 2.5 months & 1 month respectively.		
129.	Section-3, ATT-8.7	101 (Vol-2)	MS03: Completion of Concreting of DT Inlet Structure: 13 th Month		

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
130.	Section-8, Data Sheet 06	20-24 (Vol-1) Vol-6,	 Concreting of DT Outlet structure shall be started with overlap of 15 days with its Excavation.	Concreting of DT Outlet Structure can only be started after complete excavation up to bottom level from where the concreting will be started from bottom to top. Accordingly, kindly modify/remove the sentence in Data Sheet 06	The time period mentioned in Data sheet 6 for concreting, is for a reference of planning & scheduling. However, the bidder may be requested to adhere the time period / Milestone as mentioned in the tender schedule.
131.	Section-8, Data Sheet 06	20-24 (Vol-1) Vol-6,	2. COFFERDAMS AND RIVER DIVERSION:Hence, total time for construction of U/s Cofferd Dam shall be 8 months.	As per the construction methodology, the Jet grouting activity is planned after 1-2 month advancement of Cofferdams. However, since the Jet grouting can only be started after platform creation on U/s & D/s Cofferdams, which is envisaged at above 2/3 rd height of the Cofferdams, it shall take about <u>6months</u> & <u>3months</u> for U/s Cofferdam & D/s Cofferdam respectively to reach upto platform level.	Construction of upstream and downstream cofferdams including jet grouting, is to be completed within one working season of 08 months (non-monsoon period), which is feasible in line with construction methodology provided in the Data Sheet 6. Further, construction of upstream & downstream cofferdams,
132.	Section-8, Data Sheet 06	20-24 (Vol-1) Vol-6,	2. COFFERDAMS AND RIVER DIVERSION:D/s Cofferd Dam involving 1st stage D/s coffer dyke, excavation, raft concrete, colcrete placement & Face slab concrete shall be completed in 3.5 months.		
133.	Section-1, IFB- Construction Schedule	142-144 (Vol-1)	CD1020: Construction of U/s Colcrete Cofferd Dam including jet grouting (244 days)	Hence, a total duration of at least <u>15months</u> (6months till platform + 7months for Jet Grouting + 2months for completion till U/s Cofferdam Top) will be required, since both the works (Cofferdam	

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
134.	Section-3, ATT-8.7	Vol-2	MS07: Completion of Up Stream & Down Stream Cofferdams incl. Jet Grouting: 29 th Month	construction + Jet Grouting) cannot be executed simultaneously Similarly, a total duration of at least <u>8months</u> (3months till platform + 4months for Jet Grouting + 1month for completion till D/s Cofferdam Top) will be required. Accordingly, kindly increase the time for completion of U/s & D/s Cofferdam to at least <u>15months</u> & <u>8months</u> respectively in Construction Schedule & Data Sheet 06 and revise the Milestone as below. MS07: Completion of Up Stream & Down Stream Cofferdams incl. Jet Grouting: <u>36th Month</u>	including jet grouting is on critical path and any revision in MS07 will impact the overall Completion of work. Hence, there is no change in time period of these activities and MS-07.
135.	Section-3	Vol-2	Contract / Progress Milestones: MS01: Completion of Excavation of Adit to Diversion Tunnel = 7th Month MS02: Commissioning of Batching & Mixing Plant 250cum/hr. & Aggregate Processing Plant 500TPH (Refer List of Key Equipments provided in Data Sheet No.3C) = 9th Month MS03: Completion of Concreting of DT Inlet Structure = 13th Month MS04: Completion of Excavation of all Diversion Tunnels = 15th Month MS05: Commissioning of Jetting rig along with high pressure pumps, mixing units compressors etc. (Refer List of Key Equipments provided in Data Sheet No.3C) = 19th Month	In view of various constraints in the timeline as explained in points above, kindly revise the milestones and overall time for completion as below. MS01: Completion of Excavation of Adit to Diversion Tunnel = 7th Month MS02: Commissioning of Batching & Mixing Plant 250cum/hr. & Aggregate Processing Plant 500TPH (Refer List of Key Equipments provided in Data Sheet No.3C) = 9th Month MS03: Completion of Concreting of DT Inlet Structure = 18th Month MS04: Completion of Excavation of all Diversion Tunnels = 15th Month MS05: Commissioning of Jetting rig along with high pressure pumps, mixing units compressors etc. (Refer List of Key Equipments provided in Data Sheet No.3C) = 27th Month MS06: River Diversion = 22nd Month	Any change in milestones will impact the overall completion period of work. Hence, there is no change in the time period of contractual milestones.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
			MS06: River Diversion = 22nd Month MS07: Completion of Up Stream & Down Stream Cofferdams incl. Jet Grouting = 29th Month MS08: Commissioning of Batching & Mixing Plant 750cum/hr, APP 1500TPH, Ice Plant (600TPD) & Chilling Plant (4200TR) (Refer List of Key Equipments provided in Data Sheet No.3C) = 43rd Month MS09: Commissioning of 300m Feeder Conveyor Belt from batching plant upto Tower Belt Conveyor (Refer List of Key Equipments provided in Data Sheet No.3C) = 36th Month MS10: Commissioning of 30T @ 100m Tower Crane Mountable Placer (Tower/Top belt conveyor System) having 110m reach with 400cum/hr concrete pouring capacity (Refer List of Key Equipments provided in Data Sheet No.3C) = 36th Month MS11: Commissioning of Crawler Placer/Creter Crane with feeder & Main Conveyor (Refer List of Key Equipments provided in Data Sheet No.3C) = 36th Month MS12: Completion of Concreting of Dam upto EL 475.0m = 69th Month MS13: Completion of Concreting of Plunge Pool = 77th Month	MS07: Completion of Up Stream & Down Stream Cofferdams incl. Jet Grouting = 36th Month MS08: Commissioning of Batching & Mixing Plant 750cum/hr, APP 1500TPH, Ice Plant (600TPD) & Chilling Plant (4200TR) (Refer List of Key Equipments provided in Data Sheet No.3C) = 43rd Month MS09: Commissioning of 300m Feeder Conveyor Belt from batching plant upto Tower Belt Conveyor (Refer List of Key Equipments provided in Data Sheet No.3C) = 43rd Month MS10: Commissioning of 30T @ 100m Tower Crane Mountable Placer (Tower/Top belt conveyor System) having 110m reach with 400cum/hr concrete pouring capacity (Refer List of Key Equipments provided in Data Sheet No.3C) = 43rd Month MS11: Commissioning of Crawler Placer/Creter Crane with feeder & Main Conveyor (Refer List of Key Equipments provided in Data Sheet No.3C) = 43rd Month MS12: Completion of Concreting of Dam upto EL 475.0m = 76th Month MS13: Completion of Concreting of Plunge Pool = 83rd Month MS14: Completion of Dam works in all respect = 84th Month INTERDEPENDENT MILESTONES IMS01: Completion of Concreting of Dam upto EL 310.0m = 58th Month	

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
			MS14: Completion of Dam works in all respect = 78th Month INTERDEPENDENT MILESTONES IMS01: Completion of Concreting of Dam upto EL 310.0m = 51th Month IMS02: Completion of Concreting of Dam upto EL 365.0m = 58th Month IMS03: Completion of Plugging of DT 1 & 2 = 78th Month	IMS02: Completion of Concreting of Dam upto EL 365.0m = 65th Month IMS03: Completion of Plugging of DT 1 & 2 = 84th Month Time for Completion of the Works: 84 months reckoned from date of Letter of Acceptance	
136.	1.1.3.3	Vol-2,	Time for Completion of the Works..... 78 months reckoned from date of Letter of Acceptance		Bid conditions shall prevail.
137.	General		Status of Clearances	Kindly confirm the status of various clearances of the project like: a) Environmental Clearance b) Forest Clearance c) Approval PIB / CCEA d) Land Acquisition	EAC meeting for grant of Environment Clearance held on 28.01.2026. EAC has recommended for Environment Clearance on 11.02.2026. FC-1 is expected in July 2026. PIB Meeting held on 06.01.2026 & MoM

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
					issued on 20.01.2026. • CCEA approval accorded on 22.04.2026. Land acquisition is in advance stage, notification under section 23 of RFCTLARR Act 2013 is expected in July 2026. As decided by State Govt. the acquisition is expected to be completed by Sept/Oct 2026.
138.	General		Likely date of award	Kindly inform likely date of award of contract to plan for the resources according to the start date.	Subject to the finalisation of the tendering process.
139.	Bidding Data-22		Deadline for submission of Bids	Since the project is very large and includes components with high complexity, the preparation of the bid including interaction with various specialized agencies/ equipment manufacturers and to derive a most competitive techno-commercial proposal will require considerable time and we request to extend the due date for bid submission at least by 2months time from the current date of submission.	Please refer Corrigendum #1.
140.	General		Bid Submission Date	We kindly request you to extend the bid submission deadline by one month from the current due date.	Please refer Corrigendum #1.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
141.	General		Status of Clearances	Please provide the status of statutory clearance by CWC.	All statutory clearance, already cleared by the CWC in DPR clearance stage. However, the statutory clearance status is as follows: • EAC meeting for grant of Environment Clearance held on 28.01.2026. • EAC has recommended for Environment Clearance on 11.02.2026. • FC-1 is expected in July 2026. • PIB Meeting held on 06.01.2026 & MoM issued on 20.01.2026. • CCEA approval accorded on 22.04.2026.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
142.	General		Infrastructure facility	We understand that the batching plant is proposed to be located near the feeding conveyor to facilitate continuous concrete placement. In this regard, we kindly request you to provide the batching plant location identified by the Employer for our reference and further planning.	KMZ file of the complete project sites is enclosed for visualization in GIS/Google earth. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhclgmWwo0Y/view?usp=sharing
143.	General		Project Start Date	It is requested to provide the tentative start date of the project for better planning purpose.	Bid conditions are clear in this regard.
144.	General		Construction Sluice	It is requested to confirm the discharge capacity and invert level of construction sluices.	Invert Level is shown in the drawing no. NHKM-1AT1 41-GA-004-00. The coefficient of discharge and discharge shall be different at different levels. For determination of discharge Coefficient of discharge may be considered as per IS codes which shall be verified during Physical hydraulic model studies.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
145.	General		Hydraulic Model Study of Dam	It is requested to confirm the scope of hydraulic model study of Dam for discharging capacity of spillway, aerator requirement and energy dissipation arrangement.	Following Hydraulic model studies shall be carried out by NHPC :- (1) Physical Hydraulic model studies 2D and 3D for Spillway (main and auxiliary) at different gate openings to study :- discharging capacities ,efficacy of spillway profiles , efficacy of energy dissipation system, (2) Physical Hydraulic model study for reservoir sedimentation . (3) Numerical study- 3D CFD for flow at Intakes (4) Numerical study- 2D/3D CFD for reservoir sedimentation.
146.	General		Dam Excavation Plan	It is requested to provide the dam excavation plan specifically in relation to the Power Intake structure excavation in Lot-2 Tender.	Please refer drawing no. NHKM-2DT1-41-GA-032 00.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
147.	General		Geophysical Survey (Resistivity Imaging & Seismic Refraction)	It is requested to provide Geophysical Survey Report.	Shall be provided to successful bidders.
148.	General		Plunge Pool	It is requested to provide the Drawings & Joint details of Plunge Pool	Please refer drawing no. - NHKM-2DT1-41-GA-038 00 & NHKM-2DT1-41-GA 039-00 Please refer IFB.
149.	General		Land Acquisition	It is requested to specify the present Land Acquisition status for the various components of the project.	Land acquisition process in all three districts Kamle, Kra Daadi and Kurung Kumey is in advance stage and notification under section -23 of RFCTLARR Act 2013 is expected in July 2026. As decided by State Govt. the acquisition is expected to be completed by Sept/Oct 2026.
150.	General		Bid Submission Date: 8 th July 2026	It is requested to extend the bid submission date at least by 4 Weeks from the last date of Corrigendum / Pre-bid Reply.	Please refer Corrigendum # 1.
151.	General		Dam concreting	It is requested to specify the maximum permissible differential height to be maintained between adjacent blocks during dam concreting, along with the allowable time lag between successive lifts. This	As Specified in Technical Specification Section B.9.

Sl. No	Clause No.	Page No.	Description as per Tender Specification	Bidders Queries	NHPC's Reply / Clarification
				information will help us in ensuring proper construction sequencing and planning of concreting activities	
152.	General		Batching plant and Feeding Conveyor	Kindly confirm whether the batching plant capacity is aligned with the feeding conveyor capacity and specify whether the indicated capacity is on a net or gross basis. This clarification will enable us to plan and schedule the dam concreting works accordingly.	B&M plant capacity is grossly aligned with all three 400 Cum/hr Tower Belt Conveyor system of actual concrete pouring capacity with approx. 70-75 % efficiency
153.	General		Contour Survey	It is requested to kindly provide the AutoCAD contour survey along with Bathymetry survey for the planning and construction sequence of dam, cofferdam and dyke.	The KMZ file showing land required for Project along with general layout plan is enclosed for visualization in GIS/Google earth. Link for KMZ file is as below: https://drive.google.com/file/d/12B2VPZx1Dd6YzI528ArqmhclgmWwo0Y/view?usp=sharing Auto CAD format is not available.



GOVT. OF ARUNACHAL PRADESH
OFFICE OF THE DEPUTY COMMISSIONER
LOWER DIBANG VALLEY DISTRICT
ROING

GM/ROYALTY/2025-26/1230-34

Dated Roing, the 8th Jan. 2026

The Executive
Director, NHPC, DMP.
Lower Dibang Valley District
Roing

Sub: Forwarding of Government Notification regarding revised rates of royalty on Minor Minerals – Reg.

Sir/Madam,

I am directed to forward herewith a copy of Government Notification no. G&M/15021/3/2024/7290-7343, Dated 08.11.2025, issued by the Department of Geology & Mining, Government of Arunachal Pradesh, regarding the revision of rates of royalty on Minor Minerals. The revised rates shall come into force from the date of its publication in official gazette i.e. 15/12/2025

This is forwarded for your kind information and strict compliance, please.

Enlo:- ASA.

Yours faithfully,

(R. T. Khom) AMDO
for Deputy Commissioner
Lower Dibang Valley District
Deptt. of Geology & Mining
Roing (A.P.)

Memo. no. GM/ROYALTY/2025-26/1230-34
Copy to:-

1. The SPA to Secretary, Deptt. of Geology & Mining, Govt of Arunachal Pradesh, Itanagar for information please.
2. The SPA to Deputy Commissioner, Lower Dibang Valley District, Roing for information please.
3. The Director, Deptt. of Geology & Mining, Govt of Arunachal Pradesh, Itanagar for information please.
4. The Treasury Officer, Lower Dibang Valley District, Roing for information and necessary action please.
5. The DIPRO, Lower Dibang Valley District, Roing for information and wide circulation please.
6. Office copy.

(R. T. Khom) AMDO
for Deputy Commissioner
Lower Dibang Valley District
Roing

DAV DIVISION
NHPC Limited, DMP (2880 MW) Roing
Recd. 10/01/26

HoP Secretariat,
NHPC Limited, DMP (2880 MW) Roing
Receipt 29 Dated 9/1/2026

**DEPARTMENT OF GEOLOGY AND MINING
GOVT. OF ARUNACHAL PRADESH
ITANAGAR**

Date:-08/11/2025

No. G&M/15021/3/2024 /7290-343

NOTIFICATION

In exercise of the powers conferred under Rule 49(5) of the Arunachal Pradesh Minor Mineral Concession Rules, 2020 (APMMCR-2020), the Governor of Arunachal Pradesh is pleased to revise the rates of royalty payable on minor minerals as specified in Schedule III of the said Rules. The revision is made with effect from the date of publication of this notification in the Official Gazette.

2. The revised rates of royalty shall apply to all leases, quarry permits, and other concessions granted under the provisions of APMMCR- 2020 and shall supersede all previous notifications in this regard.

SCHEDULE-III

(Revised Rates of Royalty on Minor Minerals in Arunachal Pradesh)

S. No	Mineral	Unit	Revised Rate (₹)
1.	Boulder	Per cubic meter (cum)	172.70
2.	Natural Aggregates	Per cubic meter (cum)	125.40
3.	Shingle	Per cubic meter (cum)	94.60
4.	Sand	Per cubic meter (cum)	79.20
5.	Clay / Ordinary Soil	Per cubic meter (cum)	56.10
6.	Quartzite	Per tone	264.00
7.	Dolomite	Per tone	99.00

3. All Deputy Commissioners, Assistant Mineral Development Officers, and other concerned authorities shall ensure strict compliance with this notification.

4. This notification shall come into effect from the date of its publication in the Official Gazette and will be binding on all concerned.

By order and in the name of the Governor of Arunachal Pradesh

Sd/-
(A.K. Singh), IAS
Secretary (G&M)
Govt. of A.P.: Itanagar
Date:-24/11/2025

Memo:No:-G&M/15021/3/2024 /7290-343

Copy to:-

1. The Commissioner to the Hon'ble Governor of Arunachal Pradesh, Itanagar
2. The PPS to Hon'ble Chief Minister, Arunachal Pradesh
3. The PS to Hon'ble Minister (G&M), Arunachal Pradesh
4. PSs to all Hon'ble Ministers, Arunachal Pradesh
5. PSs to all Hon'ble Parliamentary Secretaries, Arunachal Pradesh