Clarifications to Pre-bid Queries in respect of tender for "Lot-1 Package : Diversion Tunnel Construction Adit including Diversion Tunnels and Coffer Dams, Mandiyal Nalla Diversion Tunnel, Coffer Dykes & Platform, Left Bank Construction Access Tunnel (LCAT), Roads & Associated Works, Right Bank Spiral Tunnel, Access Tunnels including Plugs, Dam works with associated HM works, Sawalkot HE Project, Ramban, (UT of J&K), India".

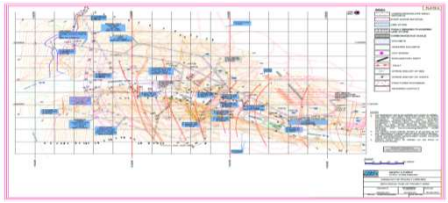
S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
			Volume 0 : NIT & ITB		
1	Volume-0	Sec-0, NIT-1 (5)	Estimated Cost: ₹ 5129.03 Crore.	Kindly clarify the estimated price is including GST or not.	The Estimated cost is inclusive of GST
2	Volume-0	Bid Document Vol-0 NIT Cl 4.1.2.(i)	Specific Experience for Civil Works b) Completion of total surface excavation of 6,00,000 cum and total concreting of 13,00,000 cum in one major component of Water Resources Project. Excavation and Concreting may be from the same or different Water Resources Projects Note: 1) 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	As per the BoQ provided in the tender document, the total surface excavation is approximately 25.50 lakh cum, while the qualification requirement for surface excavation is 6 lakh cum, which represents about 23%. Similarly, the total concreting in surface works as per the BoQ is about 29 lakh cum. Applying the same 23% proportion, the corresponding concreting requirement works out to approximately 6.70 lakh cum. In view of this, we kindly request that the requirement for total concreting in one major component of the Water Resources Project be revised from 13,00,000 cum to 6,70,000 cum.	**Please refer Corrigendum-3**
3	Volume-1	Bid Document Vol-0 NIT Cl 4.1.2.(i)	Specific Experience for Civil Works b) Completion of total surface excavation of 6,00,000 cum and total concreting of 13,00,000 cum in one major component of Water Resources Project. Excavation and Concreting may be from the same or different Water Resources Projects Note: 1) 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	With reference to the tender for the Sawalkot Hydro Electric Project (Lot-1 Civil Package), it is submitted that large water resources projects executed under the EPC (Engineering, Procurement and Construction) model often undergo design optimization and value engineering during the execution stage. For more clarity, in such projects, the original tendered RCC concreting quantity may be of the order of 13,00,000 Cum, reflecting the magnitude envisaged under qualification criteria for major hydraulic structures. However, during EPC execution, engineering optimization and improved structural design may lead to a reduction in concrete consumption, while fully maintaining all functional, structural, and safety requirements. Consequently, the actual executed RCC concreting quantity may be around 10,75,000 Cum, which is more than 80% of the original tendered quantity and represents substantial execution of the intended scope. In view of the above, it is respectfully requested that, for clarity during technical evaluation, if the tendered RCC concreting quantity 13,00,000 Cum may kindly be clearly indicated in the work completion/experience certificate issued by the project authority, in addition to the executed quantity. This will help in appropriately reflecting the original scale and complexity of the hydraulic structure, along with the impact of EPC-driven engineering optimization, thereby enabling a fair and comprehensive assessment of project experience during qualification evaluation. Kind consideration of this submission is requested.	**Please refer Corrigendum-3**
4	Volume-0	4.1.2 (ii) 4.6 (ii)	4.1.2 Specific Experience for Civil Works 4.6 Joint Venture/Consortium Bidders: ii) The Lead Partner to fully meet the following: a) General Experience Criteria as specified under Para 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))	With reference to above NIT, it is to state that as per Eligibility Criteria Clause 4.6 Joint Venture/Consortium Bidders, the lead partner required to meet the eligibility Criteria fully as per clause 4.6 (ii) and other partners require to meet the eligibility criteria under specific experience for civil works as per para 4.1.2 (ii) i.e. Tunnel, in this context, it is stated that in case of 3 JV partners with Lead Partners participate in the tendering process and 2nd partners meet the eligibility criteria for tunnel than for other two JV partners eligibility criteria has not been defined in the tenderdocuments. We understand that lead partner should meet fully the PQ criteria as per Para 4.6 (ii) and 2nd partner meets specific experience in terms of para 4.1.2(ii) i.e for Tunnel and other JV Partners are to support financially to the Lead Partner/ Partner.	**Please refer Corrigendum no.-3**
5	Volume-0	Sec-0, NIT-4.1.3, (Specific Experience for HM Works)	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). "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 per the construction schedule for approval of the Employer."	**Please refer Corrigendum-3**

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
6	Volume-0	Volume 0; Section 0 : NIT; 4.1.3 Specific Experience for HM Works	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: (ii) 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 > 2895 m3".	To encourage wider participation, it is requested to modify the specific experience criteria for Vertical Lift Gate as below: (ii) Vertical Lift Gate: "Designing, Manufacturing, installation, testing and commissioning of Fixed Wheel type Vertical Lift Gates operated by Hydraulic Hoist or Rope Drum Hoist with AXH > 1500 m3".	Bid Condition shall prevail
7	Volume-0	4.1.3 (ii) of Notice Inviting E-Tender	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: (ii) 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 > 2895 m3	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~~ 25 years: (ii) Vertical Lift Gate: "Designing, Manufacturing, installation, testing and commissioning of Fixed Wheel type Vertical Lift Gates operated by Hydraulic Hoist or Rope Drum Hoist with AXH >~~2895~~ 1500 m3	Bid Condition shall prevail
8	Volume-0	NIT CI no-4.7 of Section-0 and Vol -0	At the time of bid submission, the Bidder and his proposed sub- contractor(s) should submit separate undertaking that the Bidder/Sub- contractors shall be responsible for execution of that item of work for which they claim to have specific experience	We request to amend the clause as below The evaluation of bidders' specific experience specified at SI. No. 4.1.3 (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	**Please refer Corrigendum no.-3**
9	Volume-0	Bid Document Vol-0 NIT Cl 4 Note. S. no. 6	In case scope of work of individual partners is not clearly defined in the JV/ agreement then credential of Bidders being partner in a JV/ shall be decided in the following manner: a)…… b) Where Specific experience certificate is not available, or experience certificate is issued in the name of JV/, the evaluation shall be done in the following manner: - i) In case the participation / profit sharing percentage of Bidders as per JV agreement is at least 35%, full credit of the work executed by the JV/ shall be given to such Bidders.	We understand that incase scope of work of individual partners is not clearly defined in the JV/ agreement then credential of Bidders being partner in a JV/ work executed in JV where the participation / profit sharing percentage of Bidders as per JV agreement is at least 35%, full credit of the quantities executed by the JV/ shall be given to such Bidders. Kindly confirm.	Bid Conditions are clear.
10	Volume-0	Volume 0; Section 0; ITB; Cl: 17	17. BID VALIDITY 17.1 Bids shall remain valid for the period stipulated in the Bidding Data from the date of opening of Technocommercial 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."	**Please refer Corrigendum no.-3**
11	Volume-0	Volume 0; Section 0; ITB; Cl: 30.4	30.4 e-REVERSE AUCTION (e-RA) […]	e-Reverse Auction may please be scrapped allowing bidders to submit comprehensive and realistic quotes from the outset	Bid Condition shall prevail
12	Volume-0	Sec-0, Bidding Data-1.1	Scope of Works: i) Diversion Tunnel Construction Adit ii) Mandiyal Nalla Diversion Tunnel and Coffer Dams iii) Left Bank Construction Access Tunnel (LCAT) iv) Branches of LCAT v) Branch Tunnels from Road Tunnel vi) Roads, Culverts and Associated Works vii) Diversion Tunnels (DTs), Coffer dams and RCC dam & Plunge Pool works and viii) Associated Hydro mechanical works	It appears from the Scope of Works defined that the Conveyor Tunnel on left bank is not included in the scope of Lot-1. Please confirm.	The scope of work of Conveyor Tunnel has specifically mentioned at chapter 1.2 under S.l. 1.2 of IFB

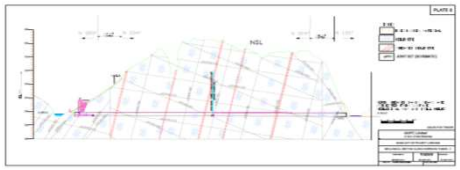
S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
13	Volume-0	4.6 Joint Venture Bidders:	(ii) b) Specific experience Criteria for Dam specified under Para 4.1.2 (i)	ii) b) Specific experience Criteria mentioned at 4.1.2.(i) Dam and / or 4.1.2.(ii) (Tunnel)	Bid Condition shall prevail
			iii) The other partner(s) to individually meet the following : a) Specific Experience Criteria specified under Para 4.1.2(ii).	(iii) The other partner(s) to individually meet the following requirements: a) The Specific Experience Criteria not met by the Lead Partner as under Para 4.1.2(i) Dam and/or 4.1.2(ii) Tunnel .	
14	Volume-0	4.7 Bidders with Sub-Contractors:	i) The Bidder himself to fully meet the following: b) Specific experience Criteria for Dam specified under Para 4.1.2(i)	i) The Bidder himself to fully meet the following: b) Specific experience Criteria for Dam specified under Para 4.1.2(i) Dam and/ or 4.1.2(ii) Tunnel.	Bid Condition shall prevail
			ii) The Bidders can propose a subcontractor for civil works to meet specific experience criteria Under Para 4.1.2 (ii) not met by the bidder.	ii) The Bidders can propose a subcontractor for civil works to meet specific experience criteria under Para 4.1.2 (i) Dam and/ or 4.1.2(ii)Tunnel not met by the Lead Partner.	
Volume 1: Information for Bidders (IFB) and Construction Schedule					
15	Volume-1	Sec-0, IFB-1.2	Left Bank Access Tunnel 2AA, taking-off from the 2A towards outlet at EL. 720m (Cable Crane Platform)	In the Contractor's Scope of Works under the Lot–1 Package, a cable crane platform at EL. 720m is mentioned. However, in the RCC Dam construction methodology and in Datasheet 3C (List of Equipments), no cable crane has been indicated. Kindly clarify the purpose and requirement of the cable crane platform at EL. 720m and confirm whether deployment of a cable crane is envisaged under the present scope of works.	Deployment of Cable Crane has not been envisaged in the construction methodology presently. However, bidder may visit the site to ascertain the requirements of Cable crane. Financial implication on other arrangements, if any shall be deemed included in quoted rate and any additional financial implication on such a/c shall not be entertained by NHPC.
16	Volume-1	Sec-0, IFB-5.1	AVAILABILITY OF LAND FOR CONTRACTOR'S INFRASTRUCTURE FOR MAIN WORKS: …….. The location of the batching plant, crushing plant and other installations are proposed at TMDS-1 & TMDS-2, …….	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 desired drawing showing the location of MDS-1,MDS-2,TMDS-1 and TMDS-2 has been marked at Plate no.5 available at page no. 46 of Volume 5 (P2). Further the facility area to be created in the Mandiyal Nallah (TMDS-2) and Tulsuen Nallah (TMDS-1) as marked above by dumping/filling of muck up to desired level and with proper leveling.
17	Volume-1	Sec-0, IFB-5.2	(DUMPING AREA/ MUCK DISPOSAL SITE): Muck generated from various construction activities at the project is proposed to be disposed in systematic manner at identified dumping sites. Total 4 nos. of Muck disposal sites have been designated at the project site for disposal of muck arising out of construction activities at site under this package	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.	
18	Volume-1	Volume 1; Section 1; IFB; 4.1 ACCESS TO PROJECT SITE;	4.1 ACCESS TO PROJECT SITE PROJECT ACCESS ROAD (ZERO-MORH TO PROJECT SITE) [Last column of Table] Currently average available carriageway width is 4m. The road requires protection works, drainage works, WBM and pre-mix carpeting. Currently, road is being maintained by M/s HCC. One minor double lane RCC bridge at RD 1.80 km & one steel bridge (double lane) at 4.70 km from Zero Morh, have been constructed on this road.	Kindly confirm who will be responsible for maintaining this road during the construction phase of the project. If the maintenance falls within the scope of the current contractor, please clarify whether the associated activities such as protection works, drainage works, WBM, and premix carpeting will be payable.	**Please refer Corrigendum no.-3** The contractor of Lot-1 works shall be responsible for maintenance of this project access road (Zero morh to project site). The same aspect has been clearly mentioned at Chapter 4.2 of IFB.
19	Volume-1	Volume 1; Section 1; IFB; 4.3 + Volume 4; Section 6; TS for Civil Works; Section B.21 Road Works	IFB 4.3 REQUIRED ROADS & BRIDGES Tentative details of proposed 5.60 km roads required to be constructed under Lot-1 package are tabulated as under (not limited to): [..] TS 21.4 Access Roads to Various Components of Project Tentative details of planned 5.60 km roads required to be constructed/strengthen under Lot-1 package are tabulated as under (not limited to): [..]	It is requested to provide the following details of the existing and proposed roads network: i. ROW, Carriageway Width, Drain, Type of Road. ii. Location, specifications and details of Mandial Nallah & Talsuen Nallah Culverts and Bridges (if any). iii. AutoCAD drawings of the road network layout (Existing & Proposed) iv. Contour survey in AutoCAD format for planning of road and cross-structures i.e., culverts and bridges (if any). v. Access road alignment showing contour plan to understand the topography i.e. cutting / filling and number of culverts, nallah etc.	i. As mentioned under Note: Width of roads mentioned is tentative and may vary from 04 meters to 08 meters as per actual site conditions. The roads do not have the provision of drains except as mentioned at S.No.6 and all the roads are of WBM type. ii. Both are culvers and location is as per site conditions to be decided by prospective bidders. iii. The same may be obtained from Project / D&E Division, Corporate Office. iv. The same may be obtained from Project / D& E Division, Corporate Office v. To be decided by the bidders as per actual site conditions.
20	Volume-1	Clause 5.1	Local Facilities and services in the Project Area - It is stated that the Contractor shall have to arrange his own explosive magazine and the explosive license of required capacity.	Bidder request to furnish the location details and area alloted for setting up of explosive magzine.	Bidders are requested to visit the location site earmarked for explosive magazine.
21	Volume-1	Volume-1; Section-1 IFB & Construction Schedule; Cl. 5.1	5.1 Availability of Land for Contractor's Infrastructure for Main Works "The location of the batching plant, crushing plant and other installations are proposed at TMDS-1 & TMDS-2, However, the location can be finalised by the Contractor himself for smooth construction and also as per the convenience of local people/administration, in compliance to the guidelines/ regulations/laws."	The same areas TMDS-1 and TMDS-2, have been proposed for muck disposal. Please confirm whether these sites need to be developed by muck dumping or are there adjacent areas available in a ready-to-occupy condition.	This aspect has been covered at chapter 5.1 of IFB. TMDS-1 and TMDS-2 sites need to be developed by dumping of mucks from different sites as described in IFB.

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
22	Volume-1	Volume 1; Section 1 IFB & Construction Schedule; Cl. 5.2	5.2 Dumping Area / Muck Disposal Site	Kindly request to provide the tentative capacities of each proposed muck disposal sites.	Tentative capacities of designated areas for muck dumping sites are as under: **A. Muck Disposal Sites:** i. MDS-1 : 555832 cum ii. MDS-2 : 4264236 cum Total= 4820068 cum **B Compacted Rock Fills:** i. TMDS-1 (Talsuen Nallah) : 4,00,000 cum ii. TMDS-2 ((Mandiyal Nallah) : 30,00,000 cum Total=34,00,000 cum
23	Volume-1	Volume 1; Section 1; IFB; 5.4	5.4 ARRANGEMENT OF CONSTRUCTION POWER FOR CONTRACTOR'S USE FOR MAIN WORKS AND THEIR ESTABLISHMENT [..] The Contractor shall have to make his own arrangement for full anticipated requirement of construction power as well as power for township/ auxiliary power, which may be tapped/obtained from J&K Grid Supply as well as by installing Diesel Generating sets and operate these sets for his requirements of power so that the construction work will not hamper due to non-availability of grid supply. The contractor may explore at his own the availability of an existing transmission line/substation in nearby areas for drawing construction power for their use.	It is requested to kindly confirm the availability of grid power in the vicinity of the project area, along with the location of the nearest substation for power supply.	The nearest substation is at Ramban which is approx. 45 km away from Mandiyal Nallah. As on date there is no construction power available at the work site. However, the nearest point for availability of grid power is around 3km from Mandiyal Nallah\Sidhu bridge\steel bridge. All other information has been provided under chapter 5.4 of IFB, Package Lot-1.
24	Volume-1	Volume 1; Section 1; IFB; 5.4	5.4 ARRANGEMENT OF CONSTRUCTION POWER FOR CONTRACTOR'S USE FOR MAIN WORKS AND THEIR ESTABLISHMENT [..] The Contractor shall have to make his own arrangement for full anticipated requirement of construction power as well as power for township/ auxiliary power, which may be tapped/obtained from J&K Grid Supply as well as by installing Diesel Generating sets and operate these sets for his requirements of power so that the construction work will not hamper due to non-availability of grid supply. The contractor may explore at his own the availability of an existing transmission line/substation in nearby areas for drawing construction power for their use.	To ensure uniformity among all bidders, it is requested to arrange a dedicated grid power connection at the construction site. Additionally, it is requested to introduce the formula for financial advantage to be deducted corresponding to Grid Energy Consumed by contractor on monthly basis from each RA bill/payment due to contractor.	The Contractor shall have to make his own arrangement for full anticipated requirement of construction power as well as power for township/ auxiliary power, which may be tapped/obtained from J&K Grid Supply as well as by installing Diesel Generating sets and operate these sets for his requirements of power so that the construction work will not hamper due to non-availability of grid supply. The contractor may explore at his own the availability of an existing transmission line/substation in nearby areas for drawing construction power for their use.
25	Volume-1	Volume 1; Section 1; IFB; Cl: 6.2;	6.2 CLIMATOLOGY As per the observed data at Tanger village (i.e. at project office complex) by NHPC for period from March-2024 to Nov-2025 maximum and minimum temperatures are 41.3ºC and 2.8ºC.	To assess the cooling requirements of the concrete, kindly provide the month-wise ambient temperature data along with the corresponding river water temperatures (if available).	Month wise maximum, minimum & average temperature data at Tanger village (Mar-2024 to Dec-2025) as available is enclosed as **Annexure-I**. No concurrent river water temperature available. However, river water temperature available at Sedhu village on Chenab river from Feb-2016 to August-2018 is enclosed as **Annexure-II.**
26	Volume-1	Volume-1; Section-1 IFB & Construction Schedule; Cl. 7.3.1	Section 7.3.1 Drilling Table 7.2 Details of drillhole in project area.	It is requested to provide the drill hole location plan and drillhole logs, with core photos.	The details of the drill holes and drill hole location Plan (Plate 2) are already given in the Information to bidders (IFB). Geological logs & core photos are given in the DPR volume and are available in the Engineering Geology Division, NHPC Corporate Office. The same may be referred as and when required.
27	Volume-1	Volume-1; Section-1 IFB & Construction Schedule; Cl. 7.3.2	Section 7.3.2 Exploratory drifting Table 7.4 Details of drifts.	It is requested to provide the 3D drift logs and location of drifts in geological plan.	The details of the drifts is given in the Information to bidders (IFB). The drift location plan is shown in the Geological Plan of Project area (Plate 2). The 3D geological logs are available in Engineering Geology Division, NHPC Corporate Office and the same may be referred as and when required.
28	Volume-1	Volume-1; Section-1 IFB & Construction Schedule; Cl. 7.4	7.4 Seismicity "Sawalkot Project is located in the Seismic zone IV as per seismic zoning map of India BIS-1893 (Part 1)."	The seismic zonation map of India has been updated recently now the proposed site lies in Seismic Zone "VI" as per the Indian Standard IS:1893 (Part 1): 2025 "Criteria for Earthquake Resistant Design of Structures General Provisions and Buildings. Kindly clarify whether the PGA studies are in accordance with the current seismic zone and shall be considered for our analysis.	The site specific studies for the project are still relevant and the present updation in seismic zonation map from zone V to VI for the project will have no impact on the NCSDP approved values of the project. The same needs to be taken up for analysis.

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
29	Volume-1	Volume-1; Section-1 IFB & Construction Schedule; Cl. 7.5.2	Geology and Geotechnical aspects: As per the information furnished, the geology percentages are appended for tunnel /adit & diversion tunnel. As per BOQ, based quantities geology percentages are derived in rock Class I,,II,III & Class IV & V for all the underground work components.	As per priority of document, the BOQ volume 3 supersedes information to tender volume 1. We presume the percentages of rock class as per BOQ quantities. The individual rock class distribution is in proportion with BOQ quantity appended for Class I,II,III & Class IV,V. Example - Diversion tunnel - Excavation quantity provided for class I,II,III is 390,000 cum and for Class IV is 1,17000 Cum. Total quantity is 507000 cum. The percentage of rock for class I,II,III is 78%. The individual rock class percentage for Class I rock is 26%. class II is 26% & Class III is 26% Please confirm our assumption/assessment.	In the order of precedence of documents, the BoQ (Bill of Quantities) takes precedence over the document pertaining to 'Information for Bidders'. As far as the Rock Class is concerned, the bidder must adhere to the information provided in the BoQ.
30	Volume-1	Volume-1; Section-1 IFB & Construction Schedule; Cl. 7.5.2	7.5.2 Geotechnical Appraisal of Dam & Plunge pool area. "A small seasonal nala is passing around 60m D/S from the dam axis. To avoid any difficulty during construction phase, its discharge has to be pumped out from the foundation area."	Kindly mark the position of this nala in the geological map and if possible provide the discharge that is expected from this nala.	**The nala has been marked and the updated geological plan of the project area (Plate 2) is enclosed in Corrigendum-3** This nala is seasonal in nature and witnessed significant discharge during monsoon periods only, however, it is suggested that the bidder should visit the area for onsite assessment.
31	Volume-1	Volume-1; Section-1 IFB & Construction Schedule; Cl. 7.8	7.8 DIVERSION TUNNELS "The portal may be further stabilized by providing suitable remedial measures including a bench towards the slope and installation of rock trap to prevent further loose fall of boulders/rock mass in the affected area."	Kindly clarify whether rockfall barrier is required or not, if required kindly provide the details of rockfall barrier that needs to be installed.	The portal location has been suitably placed. However, during construction of the inlet portal appropriate measure shall be required for stabilization of slope and safety of men and machinery. The same is mentioned in the IFB.
32	Volume-1	Volume-1; Section-1 IFB & Construction Schedule; Cl. 7.8	7.8 DIVERSION TUNNELS (Pg. No. 95) "The inlet portal of the diversion tunnel 3 is observed to be falling on a slide zone characterized by overburden material and fallen slide debris." 7.8 DIVERSION TUNNELS (Pg. No. 96) "To avoid this unstable hill slope and on availability of working space along the river bank the inlet portals of all three diversion tunnels DT- 1 to DT-3 has been decided to be located upstream of this scree covered zone within competent dolomite"	Kindly clarify whether the inlet portal of DT 3 is in slide zone or have been moved. Further it is requested to confirm whether the DT 3 inlet location have been updated in geological plan. (Volume-1 Section-1: IFB; Plate 2; Page 127 of 147).	The portal location has been suitably placed for construction such that rock fall hazard are minimized. However, during construction of the inlet portal appropriate measure shall be required for stabilization of slope and safety of men and machinery. The same is mentioned in the IFB. **The DT3 inlet location have been updated in the geological plan. The updated Geological Plan of the project area is enclosed (Plate 2) in Corrigendum no.3**
33	Volume-1	Volume 1; Section 1; IFB and Construction Schedule; Cl: 8.3.1;	Cl 8.3.1 Rock Quarry at Mandial Khad (SRQ-01)	It is understood that all statutory approvals such as Environment Clearance, Approved Mining Plan, Quarry Lease Deed with the State Administration, CTE & CTO for Rock Quarry at Mandial Khad are in place, enabling the contractor to commence quarry operations upon award of the work. Request to confirm.	The location of Mandial khad is in the forest land. As on date NHPC is in possession of Forest Clearance Stage-1 and Environment Clearance. The Proposal of mining plan is under active consideration of concerned Geology and Mining division. The contractor will be able to commence quarry operations on award of Lot-1 work.
34	Volume-1	Volume 1; Section 1; IFB and Construction Schedule; Cl: 8.6	8 CONSTRUCTION MATERIALS 8.6 Conclusion The borrow area for impervious clay core material was not found suitable and alternative borrow area have been identified & is under testing for the clay core material.	Kindly clarify the consequences and the proposed course of action in the event that the materials from the newly identified borrow area also fail to meet the required specifications.	It is expected that alternate borrow area as identified shall pass testing of clay core material. However, if the alternate borrow area fails to pass the test, clay from other borrow area shall be provided for the purpose.
35	Volume-1	Volume 1; Section 1; IFB and Construction Schedule; Cl: 11	11 STATUS OF WORKS EXECUTED BY PREVIOUS CONTRACTOR • 98m span, 70R, double lane, permanent steel bridge over Mandiyal Nallah for access to road tunnel inlet portal is under construction by M/s SGF.	It is requested to provide the current physical progress of the permanent steel bridge. We presume that the structure will be completed prior to the award of this contract.	The deck slab and wearing coat of the Mandiyal bridge have been casted. As on date, casting of approach slab to bridge is under progress. In all probability, the contractor shall handover the bridge over Mandiyal Nallah within a month or so.

<table>
<tr><th>S. No.</th><th>Volume</th><th>Clause No.</th><th>Description</th><th>Request for Change & Clarification</th><th>Reply</th></tr>
<tr><td>36</td><td>Volume-1</td><td>Volume-1; Section-1 IFB & Construction Schedule;
Cl. 7.5.1.1</td><td>Table – 7.5: Characteristics of major joint sets in the dam area.
<table><tr><th>Set</th><th>Dip Direction/ Amount</th><th>Persistence</th><th>Spacing</th><th>Roughness</th></tr><tr><td>J1/BJ</td><td>020/70</td><td>4-5m</td><td>6-10cm</td><td>Smooth to SR</td></tr><tr><td>J2</td><td>300/20</td><td>1m</td><td>20cm</td><td>Irregular/ SU, Tight</td></tr><tr><td>J3</td><td>110/70</td><td>1m</td><td>10-12cm</td><td>Irregular/Tight</td></tr><tr><td>J4*</td><td>270/40</td><td>≤1m</td><td>10-15cm</td><td>Uneven/SO</td></tr><tr><td>J5*</td><td>075/80</td><td>4-5m</td><td>3-5cm</td><td>Irregular/SU, Tight</td></tr><tr><td>J6*</td><td>255/24</td><td>1-1.5m</td><td>10-15cm</td><td>Irregular, tight</td></tr></table></td><td>Kindly provide Aperture and joint filling conditions.</td><td>The joint properties are given in the IFB are based on the information given in the DPR. The details w.r.t aperture & joint filling gathered from the drift logs at left bank are as under.
<table><tr><th>Set</th><th>Aperture</th><th>Filling</th></tr><tr><td>J1</td><td>Tight</td><td>1-5cm crushed rock fragments/silty clay/brownish clay filling/</td></tr><tr><td>J2</td><td>Tight to 10cm open</td><td>Nil</td></tr><tr><td>J3</td><td>Tight to 5cm open</td><td>Nil</td></tr></table>
Note: The aperture and filling are given for major joint set only. Opening of joint is observed in initial portion of drifts as elaborated in para 7.5.2 of IFB.</td></tr>
<tr><td>37</td><td>Volume-1</td><td>Volume-1; Section-1 IFB & Construction Schedule;
Plate-2 Geological Plan of Project Area</td><td>Plate-2 Geological Plan of Project Area
  </td><td>Few red lineaments which seems to be shear zones are marked in the drawing as “SD” kindly clarify whether these are shear zone. If these are shear zones, kindly clarify whether they are indicative or based on surface mapping.

Bypass tunnel is missing in the geological plan, kindly provide the location.</td><td>As marked, the “SD” are referred as sheared dolomite as given in the DPR. They are marked based on the surface geological mapping.

The Bypass tunnel area is marked on Geological Plan. Please refer Plate 2.</td></tr>
<tr><td>38</td><td>Volume-1</td><td>Volume-1; Section-1 IFB & Construction Schedule;
Plate-3, 6, 7, 8, 10, 12, 13</td><td>Geological sections of various components.</td><td>Kindly provide RD or chainage in the geological section for better reference and planning.</td><td>Most of the geological drawings with RD or Chainage have been marked. However, in few geological drawings/ Plates where it was left are now marked and enclosed as Plate 3,6,7,8,10,12,13 in Corrigendum no.-3</td></tr>
<tr><td>39</td><td>Volume-1</td><td>Volume-1; Section-1 IFB & Construction Schedule;
Plate-8 Geological Section Along Diversion Tunnel- 3</td><td>Plate-8 Geological Section Along Diversion Tunnel- 3
  </td><td>A gorge is observed in the section (approx. 100m deep). Kindly confirm whether any nala passes through this gorge and will it impact the tunnel below leading to high discharge given a shear zone is passing near the gorge.

Further, it is requested to confirm whether any overburden is present in the gorge. If present kindly provide the depth of overburden.</td><td>Exposed rock mass are seen all along the geological section along Diversion Tunnel-3. Considering the disposition of the sheared zone, possibility of shear zone cannot be ruled out. Possibility of such water charge zone has already been mentioned in para 7.8 page 78.</td></tr>
<tr><td>40</td><td>Volume-1</td><td>Section-1:
Information for bidders (IFB) and
Construction Schedule</td><td>As per construction schedule, the Milestones indicated for activity Sr. No A 1120 to A1160 i.e. 9 number of Milestones .
MS -1: Mandial Nallaha Diversion ___ & MS-9: Reservoir Filling</td><td>Bidder would like to confirm the milestone indicated as per Volume -2 Condition of Contract -Section 3 Particular Condition of Contract Appendix to Tender page 94 & 95 i.e. MS 1 to MS 5 i.e 5 number of Milestones as final for preparation of Construction Schedule / Data Sheet 5.</td><td>The necessary updates have been incorporated into the construction schedule, data sheets, and other relevant sections as per Corrigendum no.-3.

However, intermediate or interlinked milestones—other than the contractual milestones specified in the construction schedule—are required for monitoring purposes.</td></tr>
</table>

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
41	Volume-1	Construction Schedule	Diversion Tunnel lining WBS indicates Activity ID 1170 & 1420 as Concreting DT Inlet up to Bellmouth (EL 570.5m) including embedded parts , dummy gate trial & Outlet Structure & Balance concreting up to DT Gates platform up to EL 590m with its duration and completion month as 4 months & 8 months respectively. The start month of DT inlet concrete activities thus is 34th month & 38th month. Sub-sequently the river diversion milestone date is indicated as 38th month (Activity ID A3820)	The Diversion Tunnel Inlet concrete works is divided in two activities i.e Activity ID 1170 DT inlet concrete up to bell mouth EL 570m with working time as 4 months & Activity ID 1420m Concrete up to EL 590m in working time as 8 months. The duration provided /kept for DT inlet concrete from EL 535m to EL 570m i.e. 35m height is seems to be im-practical. The same may please be revised to 12 months. Secondly, the concreting from EL 570m to EL 590m is shown after river diversion from 38th month onwards. The same is not feasible to carry out considering Diversion tunnel in live condition. We request to kindly review the constructability aspect & modify the schedule accordingly.	a) Concreting of the DT inlet structure, including the bellmouth, can be started simultaneously with the concrete lining works of the Diversion Tunnel. Dummy gate trials may also be undertaken along with the concreting of the DT inlet. Accordingly, the total time available for concreting of the DT inlet up to the bellmouth is approximately 7 months. The balance concreting of the DT inlet structure from Bellmouth (EL 570 m) up to the gate operating platform (EL 590 m) is non-critical. The duration for the same may be suitably planned by the contractor in the L-2 schedule, depending upon the requirement and availability of working fronts for HM works of the DT gate. b) The concreting of the DT inlet above the bell mouth (EL 570 m) can be carried out with suitable arrangements using the access available at the DT gate platform level. The contractor may plan the execution suitably.
42	Volume-1	Construction Schedule	Facility Area Development in Mandiyal Khand WBS indicates Activity ID3960 Development of facility Area for APP and B&M etc.plant in Mandiyal Khand. The activity duration is 11.5 months. The start month is Mid 21st & end month is 32nd month..	As understood, the job facility are is allotted in Madiyal khad area which shall get developed after filling the excavated muck that arises out of underground /Open excavation. The availability of job facility area shall be by end of 28th / 30th month. However considering the concrete production, quarry operation and other temporary establishment, the requirement of job facility area for setting up of Batching plant, crushing plant and other facilities is in 3rd /4th month itself . In view of this, we request to provide the temporary land/area for setting up of infrastructure facilities nearby portal of Conveyor Tunnel /LCAT.	The initial requirement for concreting may not require a fully developed facility area. Therefore, the contractor may finalize a suitable location for a temporary setup for the initial concreting works in consultation with the Project during execution.
43	Volume-1	Sec-1, Information for Bidders	Construction Schedule	a. Kindly update the Milestones provided in the Construction Schedule to match with PCC 8.7. b. There are certain anomaly in some of the activities regarding duration & non-working time between Construction Methodology & Construction Schedule provided by the Employer in the bid documents. Kindly provide the updated documents.	a) The necessary updates matching with PCC 8.7 have been incorporated into the construction schedule and other relevent section as enclosed in **Corrigendum no.3** However, intermediate or interlinked milestones—other than the contractual milestones specified in the construction schedule — are required for monitoring purposes. b) Please refer **Corrigendum no.-3** for revised Construcion Schedule and revised Construction methodology.
44	Volume-1	Volume-1; Section-1 IFB & Construction Schedule; Construction Schedule + Drawing No. NHSK-1AT1-41-GA-002	Sawalkot HEP (1856 MW) UT of J&K Construction Schedule – Lot-I (Dam Package)	As per the construction schedule, A3910 (DTCA), A3920 (RCAT), and A3930 (Access Tunnel to DT Inlet Top) are shown to start simultaneously. However, as per Drawing No. NHSK-1AT-141-GA-002, RCAT and the Access Tunnel bifurcate from DTCA at a certain chainage; hence, they can commence only after DTCA excavation reaches the bifurcation point. Since activity A3920 (RCAT) is on the critical path, this sequencing is crucial and may impact the project timeline. Kindly clarify the intended construction logic.	The start dates for activities A3920 (RCAT) and A3930 (Access Tunnel to DT Inlet Top) have been revised in accordance with the updated construction sequence. However, the respective finish dates remain unchanged. Therefore, these updation do not impact the overall project construction duration. **The necessary updates have been incorporated into the revised construction schedule enclosed in Corrigendum no.3**
Volume 2: GCC & PCC, Appendix to Tender, Forms & Procdures					
45	Volume-2	Sec-3, PCC- 2.1 (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
46	Volume-2	Sec-3, PCC- 3.5 (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
47	Volume-2	Sec-3, PCC- 4.12 (Unforeseeable Physical Conditions	Delete the words "and man-made" in the first para.	We request to reinstate the FIDIC Conditions.	Bid Condition shall prevail

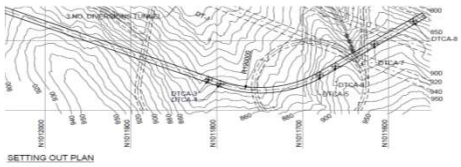
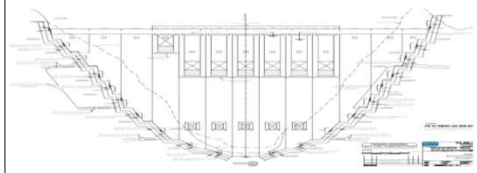
S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
48	Volume-2	Sec-2, GCC-4.13 (Rights of Way and Facilities)	The Contractor shall bear all costs and charges for special and/or temporary rights-of-way which he may require, including those for access to the site.	The responsibility 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
49	Volume-2	Sec-3, PCC-4.17 (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
50	Volume-2	Bid Document Vol-2, Sec-3 PCC Cl 4.17 PCC – Contractor's equipment:	All key equipment as defined in Data Sheet 3C shall be new. In case of other than key equipment, the contractor shall deploy at least 50% new equipment and balance 50% shall not be older than 3 years.	Deploying all new equipment for the project involves huge investment costs for the contractor. And also, it is not viable for the project to deploy all new equipment. Many key equipment mentioned in DATA SHEET-3C are not critical in nature which are listed below, can be inducted old ones having life (at least 50%) as per manufacturer / CWC guidelines. Sl. No. – 4 to 6 (25MT/35MT Rear Dumper, Tipper / Dumper 10 MT), Sl. No. – 8 to 14 (Crawler Drill, Jack Hammer / Pavement Breaker, Compressed Air (500 cfm), Hydraulic drill rigs, Raise Climber, Laser Guided Dozer for Spreading, Vaccum Truck) Sl. No. – 15 to 25 (Truck mounted Boom placer. Creter crane, 30T @ 100m Tower Crane, 1200 m Feeder Conveyor Belt, Tower Crane for 10T, Concrete Pump, Transit Mixer, Crawler Dozer, EOT/Gantry crane 20T, Rock Splitter) Sl. No. – 27 to 53 (Shotcrete Machines, Batching & Mixing Plants, Aggregate Processing Plants, Ice plant, Chilling plant, Concrete Vibrator, Scissor Platform, Grout Pump, Mobile Crane 10 MT, 20 MT RT Crane, Crawler crane 40MT, Vibratory Compactor 10/20 MT, Tunnel Gantry's, High Pressure water blaster, Submersible Cutter Pump, Hydra Lift, Explosive Van, Mobile Service Van, Steel Rib Bending M/c,) Also, Sl. No. – 1 to 10 List of the equipment mentioned for infrastructure development. Therefore, we request you to kindly modify the Data Sheet 3C and keep only critical equipment like, Two Boom Drill Jumbo, Concrete placing equipment (Top belt), Batching plant etc.	**Please refer Corrigendum no.-3**
51	Volume-2	Sec-3, PCC-4.2 (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
52	Volume-2	Sec-2, GCC-4.22	Security of site: Unless and otherwise stated in the Particular Condition: (a) the contractor shall be responsible for keeping unauthorised person off the site, and (b) authorised persons shall be limited to contractor's Personnel and the Employer's Personnel; and to any other Personnel notified to the contractor, by the employer or the engineer, as authorized personnel of the employer's other contractors on the site.	Since the location of the project is very close to the international border and is highly vulnerable to terrorist attack and prone to war like situations, we request NHPC to provide the security of the project area including contractor's camp and establishment through government armed forces to ensure security to the Man and Machinery of the contractor.	Bid Condition shall prevail.
53	Volume-2	Sec-3, PCC- 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. ……	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 contractor is requested to visit the works site physically in order to have an exposure on the land demarcated for dumping area and quarries.
54	Volume-2	Volume 2; Section 3; PCC; 4.25	4.25: Land Land for Infrastructure shall be arranged by the Contractor himself at his own cost. 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. Additional land, if required, shall be arranged by the Contractor himself at his own cost and the Employer shall not be responsible for making available the same.	It is requested to share the layout plan showcasing the Infrastructure layout along with dumping area, quarries etc.	The contractor is requested to visit the works site physically in order to have an exposure on the land demarcated for dumping area and quarries.

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
55	Volume-2	Sec-3, PCC-4.8 (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
56	Volume-2	Sec-3, PCC- 7.8 (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. 2. 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.	1. Extent notification of Govt. showing prevalent rate of royalties is enclosed as **Annexure-III.** 2. Royalty payable to Govt. shall be applicable as per Govt. notification time to time.
57	Volume-2	Clause 8.1	Commencement of works Commencement date shall be 7th day from the date of issue of Letter of Acceptance by the Employer. The transfer of works to main civil contractor will be on "as is where is" basis.	Bidder request herewith to provide the tentative date /month of LOA. The tentative date is essential to finalise the construction planning during tender stage. We confirm the tentative project award date as 15 April'2026 in,line with Volume-1 Section-1: Information for bidders (IFB) and Construction Schedule. The LOA date considering the project award date is estimated as 8th April'26. Please confirm.	Bid Condition shall prevail
58	Volume-2	Sec-3, PCC-8.4 (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 Condition shall prevail
59	Volume-2	Sec-3, ATT-8.7 (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 Condition shall prevail
60	Volume-2	Sec-3, PCC-8.7 (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 Condition shall prevail
61	Volume-2	Sec-3, PCC-8.7 (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 of Delay Damages for non-achievement of Interdependent Milestones shall be 2%.	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 Condition shall prevail
62	Volume-2	CI 14.2 of Section-02 of Vol -02	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 Bank Guarantees for the amounts expressed in Indian Rupees shall be issued by an Indian Nationalized/Scheduled Bank or a Foreign Bank notified as a scheduled bank under the provisions of the "Reserve Bank of India Act" through any of its branches in India.	We Request to Kindly Consider Insurance Surety Bond for Mobilization, Machinery and Special Advance	Bid Condition shall prevail
63	Volume-2	CI 14.2 of Section-02 of Vol -02	The Engineer will make upon the request of the Contractor, an interest bearing advance payment to the Contractor exclusively for the costs of mobilization in respect of the Works in an amount not exceeding 5 (five) percent of the Accepted Contract Amount in two equal installments. First installment of 2.5 % may be released at commencement of Works. The Contractor shall submit details of complete & satisfactory utilization of the first installment to the following effect : i. construction of colonies, stores and workshops etc., ii. mobilization of labour as per agreed schedule, iii. overhauling, dismantling and transportation of Contractor's Equipment to the site as per agreed schedule including procurement of spare parts, iv. construction of enabling works such as development of land for infrastructure works and foundation for constructional equipment etc.	We Request to Kindly Consider and Amend the Clause as below: The Engineer shall, upon the request of the Contractor, make an interest-free advance payment to the Contractor exclusively towards the cost of mobilization for the Works, in an amount not exceeding five (5) percent of the Accepted Contract Amount, payable in two equal instalments. The first instalment of 2.5% shall be released upon the he signing the Contract Agreement and the second instalment of 2.5% shall be released in accordance with the provisions of the Contract of The Contractor shall submit details of complete & satisfactory utilization of the first installment.	Bid Condition shall prevail
64	Volume-2	Sec-3, PCC-14.5 (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 aggregate & diesel to the list to enable the Contractor to create sufficient stock for smooth execution of the project.	Bid Condition shall prevail

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
65	Volume-2	Sec-3, PCC-14.5 (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……	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: 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.	Bid Condition shall prevail
66	Volume-2	Bid Document Vol-2, Sec-3 PCC Cl 14.7 Payment	Payment through Escrow Account	Since, we have exclusive tie-ups with various cement / steel / fuels suppliers & manufacturers for which we have centralized payment mechanism. Therefore, procurement of these items will not be possible by us through Escrow mechanism. Hence, we request you to kindly delete the provision of Payment through Escrow Account.	Bid Condition shall prevail
67	Volume-2	Sec-3, PCC-16.1 (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 Condition shall prevail
68	Volume-2	Sec-3, PCC-17.3 (Employer's Risks)	In sub-paragraph(b) of the Sub-Clause 17.3 delete word "terrorism" In sub-paragraph (c) of the Sub-Clause17.3 delete word "riot"	Since the location of the project is very close to the international border and is highly vulnerable to terrorist attack and prone to war like situations, the contractor cannot bear the risk of "terrorism" and "riot" hence the deleted words shall be reinstated with appropriate protection and compensation measures to the contractor.	Bid Condition shall prevail
69	Volume-2	Sec-2, GCC-19.1 (v) (Definition of Force Majeure)	(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, volcanic activity, landslides, floods, cloud bursts etc."	Bid Condition shall prevail
70	Volume-2	Sec-3, PCC- 20.1 (Contractor's Claims)	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 Condition shall prevail
71	Volume-2	Bid Document Vol-2, Section-3 PCC Cl 20.6 Arbitration	"…….The cumulative claims not exceeding 25% of the Accepted Contract Amount can only be referred to arbitration and the claims above 25% of the Accepted Contract Amount are to be referred to commercial court /competent court……..."	Since, decision of Claims from commercial court /competent court will take longer time which will hamper the progress of work. Therefore, we request to delete the Para.	Bid Condition shall prevail
72	Volume-2	Bid Document Sec-3 Cl 22 Design Specific Conditions of Contract for Civil works	2. The key staff employed for the construction supervision /construction monitoring and quality control of RCC dam shall have at least 5 year experience in relevant fields of construction management of RCC dams of minimum 90 m height as in following roles mentioned below: a) RCC Dam Construction Manager b) RCC Dam planning and monitoring c) RCC Material and Quality Assurance, and d) RCC Equipment planning and Maintenance Expert The contractor shall submit the CV of such personnel with an alternate in the bid document.	In India, only a limited number of RCC dams of more than 90 m height have been constructed. As a result, the availability of key personnel having the specific experience stipulated under Clause 22 is limited. Considering that this is a domestic competitive bidding process, we request that the eligibility of key staff be considered with relevant experience in any concrete dam construction project.	Bid Condition shall prevail
73	Volume-2	Sec-3, PCC-Annexure-V (Risk Allocation Schedule)	I METEOROLOGICAL/HYRDOLOGICAL Exceptionally Adverse climatic conditions Risk allocation Employer = EOT as per Clause 8 of GCC & PCC	Kindly allow Extension of time (EOT) & Cost compensation against occurrence of this risk during construction.	Bid Condition shall prevail
74	Volume-2	Sec-3, PCC-Annexure-V (Risk Allocation Schedule)	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

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
75	Volume-2	Sec-3, PCC-Annexure-V (Risk Allocation Schedule)	<table><tr><td></td><td>VI. POLITICAL & SOCIAL RISKS</td><td></td><td></td><td></td><td></td></tr><tr><td>1.</td><td>a. War, hostilities, invasion, acts of foreign enemies, rebellion, revolution, insurrection or usurped power, or civil war; 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. 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>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 as per Clause 8 of GCC & PCC. - Cost of redoing of damaged Permanent Works as per BOQ Rates as per Clause 17 & 18 of GCC & PCC.</td><td>All other than those borne by Employer.</td></tr></table>	Kindly add compensation against deployment of extra resource under column (5), ie Risk allocation- Employer.	Bid Condition shall prevail
76	Volume-2	Sec-3, PCC-Annexure-V (Risk Allocation Schedule)	IX. UNDER GROUND EXCAVATIONS Occurrence of hard rock strata substantially adverse than that specified in Information for Bidders (IFB) Risk allocation Employer = NIL	Kindly allow Extension of time (EOT) & Cost compensation against occurrence of this risk during construction.	Bid Condition shall prevail
77	Volume-2	Sec-3, PCC-Annexure-V (Risk Allocation Schedule)	X. GENERAL HAZARDS Non availability of explosives in time due to security reasons: Risk allocation Employer = NIL	Kindly allow Extension of time (EOT) against occurrence of this risk during construction.	Bid Condition shall prevail
78	Volume-2	Sec-3, PCC-Annexure-V (Risk Allocation Schedule)	Terrorist activities	Since the location of the project is very close to the international border and is highly vulnerable to terrorist activities, kindly introduce provision for security of the site by the employer along with time and cost compensation to the contractor against such occurrences during execution of works.	Bid Condition shall prevail
79	Volume-2	Bid Document Vol-2,Sec-3 PCC Annexure-V Risk Allocation Schedule	I. Meteorological/Hydrological 1. Adverse climatic conditions. Risk Allocation Schedule Employer: EOT as per Clause 8 of GCC & PCC Contractor: All other than those borne by Employer	Since, delay in construction due to Adverse climatic conditions is beyond control of contractor. Therefore, it is requested to provide Cost compensation also due to Adverse climatic conditions.	Bid Condition shall prevail
80	Volume-2	Volume 2; Section 4; Tender Forms & Procedure; Attachment 1	ATTACHMENT – 1: Format of Bank Guarantee for Earnest Money Deposit 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").	To avoid the need for amending the EMD Bank Guarantee during bid extensions, we request that the sub-clause be revised as follows: 'WHEREAS (name of Bidder) (hereinafter called "the Bidder") has submitted its Bid for the performance of the above-named Contract (hereinafter called "the Bid").'	Bid Condition shall prevail
81	Volume-2	Volume 2; Section 4; Forms & Procedures	9. BANK GUARANTEE FORM FOR RELEASE / PAYMENT OF RETENTION MONEY […] 7. Our liability under this guarantee is restricted to ……..[amount]..... Our guarantee shall remain in force until .....(@) .....unless a suit or action to enforce a claim under the guarantee is filed against us within 90 days from that date, all your rights under this guarantee shall be forfeited and we shall be relieved and discharged from all liabilities thereunder: […]	It is requested to replace the mentioned para with standard NWC Clause i.e.,: "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 _____ (@) _____ ."	Bid Condition shall prevail
82	Volume-2	Cl-4.17, PCC, Section-3 & Data Sheet-3: Equipments and Plants.	All key equipment as defined in Data Sheet 3C shall be new. In case of other than key equipment, the contractor shall deploy at least 50% new equipment and balance 50% shall not be older than 3 years. & NB: -The equipment / plants proposed by the Contractor as per his methodology shall be at least 50% new in terms of capacity for each type of equipment, fraction to be rounded off on higher side. Old equipment / plants shall not be older than three years.	We wish to bring to your notice that, in PCC Clause-4.17, it is mentioned as all the Key equipment as defined in Data Sheet-3C shall be New. And, in note given below Data Sheet-3, it is mentioned as the proposed equipment shall be at least 50% new in terms of capacity for each type of equipment, both are contradictory to each other. We request you to clarify.	**Please refer Corrigendum no.-3**
Volume-3 : Bill of Quantities for Civil Works & HM Works					
83	Volume-3	Price Schedule-3, S. No. 18 & 38 – Model Studies for Under Sluices and Lower Spillway	As per the tender documents, the Model Studies for Under Sluices and Lower Spillway are included in the scope of the Contractor. However, reputed institutions such as Central Water and Power Research Station, Pune, which is likely to be engaged for the said job, generally undertake such model studies only when proposals are routed through Government agencies such as NHPC Limited /SJVN Limited, NHDC Limited Central Water Commission and do not normally deal directly with private contractors.	It is requested to clarify whether the Model Studies shall be arranged directly by the Employer, instead of being included in the Contractor's scope.	Provisions made in the Technical Specifications are amply clear. Bidder needs to adhere to bid document.

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
84	Volume-3	Price Schedule – Mode of Quoting for HM Works	The tender stipulates that the rates shall be quoted on item rate basis. While quantities are specified for Civil Works, the quantities for HM Works are indicated on "Set" basis. Considering that variations in weights may occur during Model Studies and detailed engineering of HM components, the present format may lead to uncertainty in pricing.	It is requested to consider indicating the quantities for HM Works in the BOQ in terms of "Tonnes" instead of "Set". This would allow more realistic pricing and help avoid ambiguity during execution. However, the detailed design of HM Works may remain within the Contractor's scope.	Provisions made in the Technical Specifications are amply clear. Bidder needs to adhere to bid document.
Volume-4 : TS for civil works, GTS & PTS for HM works, MQAP & Safety Manual					
85	Volume-4	Sec-6, TS-B22.25.2 (4) (RCC)	2% of the amount towards payment for RCC will be withheld from each R.A. bill, till the completion of dam construction. This accumulated amount will be released only after first filling of dam and after ascertaining the impermeability of RCC concrete.	Kindly delete this clause as the Retention from IPC is already defined vide Clause PCC-14.3 of the tender document till completion of the works.	Bid Condition shall prevail
86	Volume-4	Volume-4; Section-6 TS; Roller Compacted Concrete; 22.25.2	22.25.2. RCC 4) 2% of the amount towards payment for RCC will be withheld from each R.A. bill, till the completion of dam construction. This accumulated amount will be released only after first filling of dam and after ascertaining the impermeability of RCC concrete. The contractor will be responsible to do necessary grouting at his own cost to achieve desired level of minimum acceptable leakage, through joint/ body of the dam before release of said payment.	It is requested to delete this subclause. Already retention money of 5% is deducted from the monthly bill.	Bid Condition shall prevail
87	Volume-4	22.25.2. 4)	2% of the amount towards payment for RCC will be withheld from each R.A. bill, till the completion of dam construction. This accumulated amount will be released only after first filling of dam and after ascertaining the impermeability of RCC concrete. The contractor will be responsible to do necessary grouting at his own cost to achieve desired level of minimum acceptable leakage, through joint/ body of the dam before release of said payment.	The project is already covered with retention amount and defect notification/ liability period. The recovery of 2% of Roller compacted concrete also may affect the cash flow of contractor. Hence we request that clause specifying a separate recovery of 2% of Roller compacted concrete (RCC) works amount shall be removed.	Bid Condition shall prevail
88	Volume-4	GTS Clause No. 2.3, A, V	Track & Wall plate: Corrosion Resistant Steel, IS:1570(Part-V) X20Cr13 or X30Cr13	As per PTS Clause No. 5.2, page No.27, Wall plates: Stainless Steel. Please clarify the anomaly.	Provisions made in the Technical Specifications are amply clear. Bidder needs to adhere to bid document.
89	Volume-4	PTS Clause No. 5.1,	Seals: Metal cladded rubber Seals	As per PTS Clause No. 5.1, page No.25, "Teflon cladded seals have been provided for sides and Top". Please clarify the anomaly.	**Please refer Corrigendum no. 3 .**
90	Volume-4	Volume-4; Section-6 TS for HM Works; PTS for HM Works ; Cl. 5.1	Seals: Metal cladded rubber Seals	As per PTS Clause No. 5.1, page No.25, "Teflon cladded seals have been provided for sides and Top". Please clarify the anomaly.	**Please refer Corrigendum no. 3.**
91	Volume-4	PTS Clause No. 8.2-B(i)	Differential Pressure Measurement and indication equipment	Intake Service Gate details are not available in the PTS. Where, as per PTS Cl. No. 8.2-B(i) Differential Pressure Measurement and indication equipment is required/mentioned in the tender.	Provisions made in the Technical Specifications are amply clear. Bidder needs to adhere to bid document.
92	Volume-4	Volume-4; Section-6 TS for HM Works; PTS for HM Works; Cl. 8.2, B), i)	Differential Pressure Measurement and indication equipment	Intake Service Gate details are not available in the PTS. Whereas per PTS Cl. No. 8.2-B(i) Differential Pressure Measurement and indication equipment is required/mentioned in the tender. Request to clarify the same.	Provisions made in the Technical Specifications are amply clear. Bidder needs to adhere to bid document.
93	Volume-4	Volume-4; Section-6 TS for HM Works; GTS for HM Works; Cl. 2.3, A, v. Track & Wall plate	Track & Wall plate: Corrosion Resistant Steel, IS:1570(Part-V) X20Cr13 or X30Cr13	As per PTS Clause No. 5.2, page No.27, Wall plates: Stainless Steel. Please clarify the anomaly.	Provisions made in the Technical Specifications are amply clear. Bidder needs to adhere to bid document.
94	Volume-4	22.6 Roller Compacted Concrete composition	Total cementitious material is indicated as 120-180 kg /cum	Bidder request to clarify, if the cementitious material composition is permitted with fly ash and OPC / PPC with Fly Ash / Cement + Fly Ash + GGBS . Kindly specify the minimum cementitious material with its weight / Cum of RCC Concrete.	Kindly refer Cl 22.3.1 (5) "The cementitious materials to be used in RCC will generally be Portland Composite Cement." and Cl 22.5.1 (3) "For the purpose of this specification, cementitious materials shall be interpreted to mean Portland Composite Cement."
Volume-5: Tender Drawings					
95	Volume-5	Volume-5; Section-7 Tender Drawings	Conveyor Tunnel	The Portal, Plan, and Section drawings for the Conveyor Tunnel (L = 332.409 m, 6.5 m dia, D-shaped) are not available in the provided drawing set. Kindly provide the relevant drawings for reference and construction planning purposes.	Shall be provided in due course of time.
96	Volume-5	Tender Drawings and Technical specifications for Civil & HM Works	The bid prices are required to be prepared based on the sizes, sections and arrangements indicated in the tender drawings and specifications. However, modifications in dimensions, configuration or layout of Civil and HM works may arise as a consequence of Model Studies.	While any changes in size, section, configuration or quantities arising out of Model Studies for Civil Works may get treated under variations, the same for HM Works shall also be treated as variation and compensated accordingly. Kindly Confirm.	Provisions made in the Technical Specifications for CIVIL/HM works are amply clear. Bidder needs to adhere to bid document.

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
97	Volume-5	Tender Drawings – Under Sluice Section	The section of Under Sluices has been indicated as rectangular [5 m (W) × 7.5 m (H)]. From a hydraulic and structural perspective, it may be advantageous to adopt a circular section downstream of the gate grooves with a suitable transition. Such a configuration may offer improved structural efficiency, economy and better flow characteristics.	Kindly clarify whether such an arrangement (rectangular section up to gate grooves followed by circular section with suitable transition) would be acceptable for consideration during detailed design.	The information shared in respective section of Bid document is amply clear. Bidder needs to adhere to bid document.
98	Volume-5	Drg. No. NHSW/2DT1/45/GA/04	Drg. No. NHSW/2DT1/45/GA/04 "Lower Spillway Radial Gate, Hydraulic Hoist, Stoplogs & Gantry Crane -- General Arrangement"	The drawing shows 4 Nos. Trunnion Assembly in each Radial Gate. Kindly confirm whether Radial Gate with 2 Nos. Trunnion Assemblies shall also be acceptable.	Provisions made in the Technical Specifications for HM works are amply clear. Bidder needs to adhere to bid document.
99	Volume-5	Clause 1.2.2 Clause 1.2.9 Clause 1.2.10	"Clause 1.2.2 - Steel Liners of Bottom and Side Piers on U/S & D/S of Gate Sill beam Clause 1.2.9 - Steel Liners in Spillway Glacis, Piers and Breast Wall for Lower Spillways Clause 1.2.10 - Steel Liners in Spillway Glacis for Crest Spillways" In these clauses it is mentioned that the Steel Liners shall be designed as per Layout Drawings and Final Layout and details shall be decided at the time of detailed design.	As per the Layout drawings we understand that steel liners shall be suitably stiffened and anchored by 'J' anchors in first stage concrete. Thereafter grouting by cement grout will be done through grout holes. No chemical grout like Hilti Hit-RE 500 V4 shall be required as being used at some of the projects of NHPC. Please confirm and clarify.	Provisions made in the Technical Specifications for HM works are amply clear. Bidder needs to adhere to bid document... As per PTS Clause 2.6,4.5 and 7.8…The steel liner shall be designed, fabricated and installed with stiffeners provided and embedded in first stage concrete….. Hence, chemical grout may not be required.
100	Volume-5	Drawing No. - NHSK-2BT1-41-GA-004 - DT-1 L-Section		As per longitudinal section drawings Nos. NHSK-2BT1-41-GA-004, 005 & 006, the DTCA is shown connecting to the heading portion of DT-1, DT-2 and DT-3. However, in the Right Bank DTCA General Layout Section (Drawing No. NHSK-2BT1-41-GA-091), the DTCA is shown connecting to DT-1, DT-2 and DT-3 at points DTCA-6, 7 & 8 at the benching level. Further, points DTCA-6, 7 & 8 do not appear to coincide with the actual intersection locations of DTCA and the respective diversion tunnels and seem to be laterally shifted in plan. Kindly clarify the intended construction arrangement and the correct connection locations.	Drawing no. NHSK- 2BT1-41-GA-091: DTCA L—Section & Setting Out Plan has been updated in conformation to drawing no. NHSK- 2BT1-41-GA-004, 005 & 006. **Please refer Corrigendum no. 3.**
101	Volume-5	Drawing No. – NHSK-2BT1-41-GA-091 - DTCA L-Section & Setting Out Plan			
102	Volume-5	Section-7 Tender Drawings; Part 1 of 2 Page 36-39, 62-66 & 79 of 81 Part 2 of 2 Page 3, 16, 21, 30-33 & 46 of 60 Drawing No. – NHSK-2DT1-41-GA-030 to 033 – Excavation Section at Dam Axis	 Drawing Nos. – NHSK-2AT1-41-GA-056 to 060, 073 & 078 – LCAT and Branch Access Tunnels, 2A Tunnel & 2AA Tunnel Drawing Nos. – NHSK-2BT1-41-GA-091, NHSK-2AT1-41-GA-096 & 105 to 108 – DTCA, RCAT, Right Spiral Tunnels Drawing No. – NHSK-1BT1-41-GA-121 – Project Access Roads	As per the Tender Drawings, no tunnel arrangement has been indicated for muck disposal from the excavation of the Right Bank abutment between EL. 640m and EL. 520m (approximately 120m vertical height). Similarly, for the Left Bank abutment, no tunnel arrangement is shown for excavation and muck disposal between EL. 650m and EL. 585m, and between EL. 585m and EL. 520m (approximately 65m vertical height). Further, development of access roads outside the dam excavation footprint also appears challenging and the levels of the proposed roads on both the left and right banks for access to the d/s cofferdam at the dam location are not clearly available, making it difficult to plan muck disposal through these routes. In view of the above, kindly clarify the proposed methodology and arrangement for excavation, access and muck disposal for these abutments & riverbed portions.	Bidder may obtain required information from CEPM Division/ Design & Engineering Division.

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
103	Volume-5	-	Co-ordinate Provided in Tender Drawings	We request to employer for providing all coordinate details in global coordinate instead of local coordinate which help us to locate the different locations. Also request to Provide the following details. 1. Global coordinates of all boreholes to facilitate accurate plotting and spatial verification in Google Earth. 2. KMZ file of the project layout, including alignment, key structures, and investigation locations. 3. Core photographs for each borehole, labelled with depth intervals and borehole IDs. 4. Detailed geological mapping and logging of all drifts. 5. Elevation details of all drifts on both the left and right banks, referenced to a common benchmark / datum.	Bidders may obtain the same from Geology Division, CO as & when required.
Volume-6: Data sheets for Civil works and HM works					
104	Volume-6	Bid Document Vol-6 Sec-8 Datasheet 3C	List of Equipment for RCC Dam of Sawalkot HE Project Sl No 10, Compressed Air (500 cfm) Power Rating (BHP/ KW) -120 KW Total no. of Equipment - 8200	As per List of Equipment Sl No 10, Total number of Compressed Air (500 cfm) mentioned 8200. We request you to please review the same and kindly clarify the numbers and capacity of Compressed Air (500 cfm).	**Please refer Corrigendum no.-3**
105	Volume-6	Sec-8, Data Sheet-3C	List of Equipment for RCC Dam of Sawalkot HE Project: (2) Hyd. Excavator 2.0 cum. – 220HP = 24 (4) 25MT Rear Dumper – 300HP = 68 (7) 2 Boom Drill Jumbo – 180KW = 12 (10) Compressed Air (500 cfm) – 120 KW = 8200 (12) Raise Climber – 12KW = 6 (24) EOT/Gantry crane, 20T – 30KW = 2 (16) Creter Crane 200 Cum/Hr. (17) 30T @ 100m Tower Crane with Conveyor Belt System (Top belt conveyor) having 110 m reach	• It appears that the nos. of excavators, 25MT dumpers & 2 Boom Drill Jumbo etc are on higher side in view the scope of contract. Kindly review and modify the same accordingly. • (10) Compressed Air (500 cfm): We understand that the qty of 8200 is the total "cfm" required in the project. Kindly modify the text in description column as Compressed Air (500 cfm) to avoid misinterpretation that the total cfm required is 500 cfm x 8200 = 41,00,000 cfm. • (12) Raise Climber – 12KW = 6nos: Since there are no shafts included in the scope of Lot-1, kindly delete the same. • (24) EOT/Gantry crane, 20T – 30KW = 2nos: Since there are no shafts/caverns included in the scope of Lot-1, kindly delete the same. (16) We wish to state that, the Creter Crane is currently not available in the market for ready purchase, but similar type of equipment with equivalent capacity like Telebelt TB 130 etc. are available. Hence, to enable the applicability of similar equipment, kindly modify the description of equipment as below: (16) Creter Crane/ Telebelt 200 Cum/Hr. (17) We wish to state that, Tower Crane with 30T@100m is not readily available with any of the major Tower Crane suppliers operating in India and has to be custom built. All the manufacturers of this equipment are from foreign countries and most of them are not ready to supply their product in the bordering state of J&K due to their international security restrictions imposed by their government. Out of remaining few manufacturers, none of them have operated the crane in combination with conveyor system, hence, not willing to allow the dynamic loaded conveyor to be operated with their Tower Crane designed for dead load lifting. Due to the above considerations, the manufacturers willing to take up this custom made job reduces to just 1 agency, hence, the prices will be very high and will not be cost effective for this project. Based on our understanding, the Tower Crane with 24T@80m with a combination of outer conveyor with a coverage of 100m will be sufficient to handle 400 Cum/Hr pouring capacity. This will improve the options available to the bidder for selection of equipment in competitive price. In view of the above, we request to modify the description of equipment as below: (17) 30T @ 100m 24T@80m Tower Crane with Conveyor Belt System (Top belt conveyor) having 110 100 m reach	**Please refer Corrigendum no.-3** **and** **Creter Crane/ Telebelt 200 Cum/Hr may be considered**
106		Data Sheet 3C	The Data sheet 3C comprises of following equipment's : a) Hyd. Excavator 1.0 cum - 3nos, b) Hyd. Excavator 2.0 cum.- 24 no's, c) Hyd. Excavator 3.0 cum.- 1 no. & d) 25MT Rear Dumper- 68 no's e) EOT/Gantry crane, 20T	We request to provide the work front details requiring deployment of these equipment's. Since the requirement of equipment estimated by us considering constructability aspect is as under :- a) For 6.5m D shape tunnel, Hydraulic excavator model PC 140 / EX 110 is suitable for underground excavation with muck hauling dumper as Tata 1613 / 1618 with capacity as 10 t to 11 Ton (7 cum loose muck) b) Hydraulic excavator PC 400 or equivalent is available in market with bucket capacity of 1.3-2.8 cum & PC 500 or equivalent is available having bucket capacity 3.5 cum to 3.7 cum. The hydraulic excavator 3 cum capacity indicated matches with PC 400 model or equivalent. Kindly confirm. c) EOT/Gantry Crane 20T requirement is not applicable considering work component scope d) 1 cum bucket capacity hydraulic excavator is available with Excavator model PC 200 /EX 200 /EX 210 having bucket capacity of 0.5 cum to 1.2 cum. Considering the dimension of the machine, the same is for excavation of tunnel having dimensions with its width 8 to 8.5m and height > 6.5m. As such the required numbers shall be more than > 3 nos.Kindly provide the flexibility to change the numbers for 1 cum and 2 cum bucket capacity based on bidder's assessment /estimation.	**Please refer revised Data Sheet-3C under Corrigendum no.-3**
107		Data Sheet 3C	The Data sheet 3C comprises of following equipment's : ID 1170 DT a) Air Track / W. Drill / Crawler Drill - Power 145 KW	1. As per specified power - The Wagon drills /heavy-duty, pneumatic-powered or hydraulicassisted machines available to carry out 90–150 mm hole diameter. The depth of hole is 25–40 meters . The Engine power is 130KW. Wagon drill with 145KW power is hence not available in market 2) The machine is required for hard rock excavation in Dam abutment location. The length and diameter of rock bolt mentioned is 25 to 36mm dia & 6m to 9m long. As such the suitable machine like Sandvik DC 300 Commando / DQ 500 & T30R from Epiroc. 3) In view of above, we request to kindly permit to change the equipment type /make /power requirement as per Bidder's proposal.	**Bidder is requested to adhere to the machine as per revised Data Sheet 3C under Corrigendum no.-3.**
108	Volume-6	Data Sheet-3 (NB)	It is Stated that : Contractor has to plan suitable units of the equipment and Plants as per requirements of the working fronts. Overall capacity of each type of equipment proposed should not be less than capacity of the key equipment as proposed by the Employer in "Data Sheet-3C".	The requirements are specified below "Data Sheet-3". And through it is specified to plan suitable units of equipments as per contractor'splanned working fronts, same cannot be done as it is also specified to fulfil overall capacity of each type of equipment. Hence to fulfil the overall capacity requirement, bidder need to consider the overall / total capacity by multiplying number and capacity of each type of equipment. If our understsnding is correct,with this requirement there is no scope for bidder to modify the equipment list as per his planning/methodology.. Hence, we request this modify this condition.	**Please refer revised Data Sheet-3C under Corrigendum no.-3**

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
109	Volume-6	Data Sheet 3C	DATA SHEET – 3C List of Equipment for RCC Dam of Sawalkot HE Project.	We request to check the Number and type of equipment given in "Data Sheet-3C". e.g. a) C ompressed Air (500 cfm) – 8200 Nos.-this may be typing error. b) R aise Climber 6 Nos. may not be required. Hence, we request to check and modify the list accordingly.	**Please refer revised Data Sheet-3C under Corrigendum no.-3**
110	Volume-6	Data Sheet 3C List of Key Construction Plant	Tender Package Sr No 12 Raise Borer 12KW - 6 nos	Considering the requirement of raise borer for pilot/reaming activity duration shaft excavation bidder request to permit deployment of the aforementioned equipment available from Market on hiring /rental basis. Bidder request to include the item in the data sheet 4A	**Please refer revised Data Sheet-3C under Corrigendum no.-3**
111	Volume-6	Sec-8, Data Sheet-4A (Proposed Specialized Agencies)	Note: The Bidder shall propose Specialized agencies (at least three for each) through which they propose to execute the above works.	Availability of Specialized Agencies for certain items in the list like "3D Tunnel Seismic Prediction Test" & "Application of polyurea membrane on dam face" etc. are very rare, hence, we request not to insist on "at least three for each". Also, most of the items listed are integral part of Hydro Power Projects and if the bidder possesses own experience of the same, then proposing other specialized agencies is not required. Accordingly, kindly modify the note below Data Sheet as below: Note: 1. The Bidder shall propose Specialized agencies for each section of the work mentioned above, out of which one qualified agency shall be deployed for execution of the such work." 2. Bidder having experience in any of the works specified above shall submit their own credentials and need not propose other specialized agencies.	**Bid condition shall prevail**
112	Volume-6	Data Sheet -4A of Vol 06	As per Tender Document Bidder shall submit the Specialized agencies at the time bid submission. The Bidder shall propose Specialized agencies (at least three for each) through which they propose to execute the above works	We request that the details of the specialized agencies be permitted to be submitted at least 90 days prior to the commencement of their respective works, in line with the requirements specified in the tender document. In addition to the above the bidder shall propose Specialized agencies one for each through which they propose to execute the above works (OR) We request permission to submit an Undertaking Letter for the specialized a ncies at the time of bidding	**Bid condition shall prevail**
113	Volume-6	Volume 6; DATA SHEET – 4A PROPOSED SPECIALIZED AGENCIES	Application of polyurea membrane on dam face – B.22.17	Based on our previous experience in arranging the required credentials for the Dibang Lot-3 Dam tender, it is requested to include the following as a NOTE at the end of Datasheet 4A: "However, the credentials of specialized agency in respect of works mentioned as 'Application of polyurea membrane on dam face' may be submitted within 2 months of completion of dam excavation below river bed level."	**Bid condition shall prevail**
114	Volume-6	Bid Document Sec-8 Datasheet 4A	Proposed Specialized Agency The Bidder shall propose Specialized agencies (at least three for each) through which they propose to execute the above works.	As in many underground works, items like Post-Tensioned Rock bolt (Tendons), Rock bolting, Pipe roofing, Pre-grouting and fore-polling, Seepage Cutoff-Permeation Grouting, Micro piles, monitoring instruments, 3D tunnel Seismic prediction Test, Architectural Works, Application of polyurea membrane on dam face are to be executed commonly by contractors. We understand that for the above work specialized agency is not mandatorily required if the contractor has similar experience/credentials from previous projects. Kindly confirm.	**Bid condition shall prevail**
115	Volume-6	Sec-8, Data Sheet-06, Construction Methodology of the Employer	• Spiral Tunnel Part of Permanent Access Tunnel (PAT) and Connecting Tunnels • Head Race Tunnels & Intake Structure (Portal) • Pressure Shaft and Penstock • Power House Cavern • Transformer Cavern • Surge Gallery • TAIL RACE TUNNEL	We understand that, the mentioned structures are not included in the scope of Lot-1 package, hence, the methodology mentioned in "Construction Methodology of the Employer" for these structures shall not be applicable for Lot-1. Please confirm.	**Please refer revised Construction Methodology under Corrigendum no.-3**

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
116	Volume-6	Volume-6; Section-8; Data Sheet-6 Construction Methods	Construction Methodology	The batching plant capacity mentioned in the RCC Dam construction methodology is indicated as 2 × 240 m3/hr, whereas in the Time Slot (RCC Dam) table under the Key Equipment column, it is specified as 2 × 180 m3/hr. Kindly clarify which batching plant capacity should be considered for construction planning and scheduling purposes.	**Please refer revised Construction Methodology under Corrigendum no.-3**
117	Volume-6	Volume 6; Section 8; Data Sheets	DATA SHEET-6 CONSTRUCTION METHODS The Bidder has to adhere to the Construction Methodology of the Employer attached in this Data Sheet.	We understand that the bidder has to give a simple undertaking for the adherence to the construction methodology as proposed by the employer in the tender document Volume 6, Section 8, Datasheet 6: Construction. Methods. Kindly confirm.	Bid condition shall prevail
118	Volume-6	Data Sheet 6 - Construction Method	RCC Dam concrete methodology indicates concreting by Crater crane 2 nos with capacity 200 cum /hr each from EL 520m to EL 560m & RCC above EL 560m up to EL 697.5m by Tower belt with feeder hopper /conveyor and inner and outer conveyor having capacity to place the RCC at 400 cum /hr. Tower Crane with Conveyor Belt System (Top belt conveyor) having 110 m reach 30T capacity @ 100m	In the first phase of RCC placement i.e. EL 520m to EL 560m, the RCC equipment for placing the concrete comprises of Crater Crane / Feed Hopper/Shuttle conveyor & Dump trucks for placing the concrete on Dam blocks. Kindly confirm if the bidder is permitted to propose the alternate method. The RCC Concrete above EL 560m is proposed by using Tower Crane /Topo belt system. The capacity of Tower Crane is indicated as 30T at 100m radius with inner and outer RCC conveyor of capacity 400 cum/hr. As per the Dam section the width of RCC block from u/s to d/s side at EL 560m is 190m (approx.). The maximum coverage of Topo belt indicated as 110m reach. As per our understanding, the placement mode of RCC by Topo belt in balance 70-80m reach is planned by Dump truck. Kindly confirm if the bidder is permitted to propose the alternate method other than Crater Crane and Topo belt.	**Please refer Corrigendum no.-3**
119	Volume-6	Volume 6; Section 8; Data Sheets for Civil Works & HM Works	Datasheet 3C: Sl. No.-18 – 1200m Feeder Conveyor Belt from Batching Plant up to Top Belt Conveyor	The length of the feeder conveyor belt from the batching plant to the Top Belt System is specified as 1,200m. The Conveyor Tunnel (6.5m dia) length is 332m and Branch 1F (8.5m x 6.5m) is 676m approx. from Conveyor Tunnel junction making the total tunnel length 1,108m. Accordingly, the balance length of the conveyor belt is 92m (1,200 – 1,108m), which is the length of Feeder / Link Conveyor to the Top Belt System. So, the conveyor length from the Batching Plant to the Conveyor Tunnel inlet face is not added in the total length. Kindly clarify the intended batching plant location and confirm the feeder conveyor total length to be considered for planning.	The Batching Plant shall be installed near Concrete Conveyor Tunnel. The given length of feeder conveyor belt is tentative for estimation to plan. However bidder may visit the site to ascertain himself the tentative length before submission of bid, rate quoted deemed to be included.
120	Volume-6	Volume 6; Section 8; Data Sheets for Civil Works & HM Works	Construction Methodology – RCC Dam concrete above EL. 560m: "The upward and downward inclination of the feeder conveyor, Inner & Outer Conveyor is upto 25 degree".	The downward and upward inclination angle of 25 deg approx. seems on the higher for the smooth flow of concrete and functioning of the Top Blet System. Most of the OEM's suggest, Max. declination angle of 15 deg and Inclination angle around 20 deg. Request to review.	**Please refer revised Construction Methodology under Corrigendum no.-3**
121	Volume-6	Data Sheet-3C, Section-8	List of Equipment for RCC Dam of Sawalkot HE Project	We understand that the list of Equipment given in the Data Sheet-3C is for indicative purpose only (not mandatory) and the contractor can propose the required plant and equipment of suitable capacities based on their cycle time and construction methodology. Please confirm.	**Please refer revised Data Sheet-3C under Corrigendum no.-3**
122	Volume-6	Data Sheet-3C, Volume-6, Section-8	Data Sheet-3C: List of Equipment for RCC Dam of Sawalkot HE Project 12 | Raise Climber | 12 KW | 6	We understand that this mentioned equipment is not required for this package. Please review and clarify.	**Please refer revised Data Sheet-3C under Corrigendum no.-3**
			GENERAL		
123		General	Dam Axis Coordinates	Kindly confirm whether the coordinates of the two specified points of the Dam Axis (or any other referenced structure) are to be considered in the local project coordinate system or in a global coordinate system. Alternatively, it is requested to kindly provide the relevant CAD files indicating the coordinate reference system for accurate interpretation and setting out.	Relevant AutoCAD files are available in Design & Engineering Division, NHPC Corporate Office. The same may be referred as and when required.
124		General	Existing Road in the project area	1) As per the referred clause, the external Access Road (EAR) of approx. 16.50 km shall be handed over to the contractor on "as is where is" basis, and the contractor shall be responsible for construction, up-gradation and subsequent maintenance & repair of this road during the construction period. We consider that the quantities of this road are already included in BOQ items, Please Confirm. (2) Further, we request to provide the road section drawing.	1) The quantities of external Access Road (EAR) road are included in BOQ items. 2) The detailed information regarding Existing Road in project area has been shared in bid document Volume- 1, clause no.4.2. Further information may be obtained from Project during the Site Visit.
125		General	Existing Road Tunnel	In the tender drawings, the elevation of the outlet of the existing road tunnel on the Left Bank is not indicated. It is requested to kindly provide the longitudinal section (Lsection) of the existing road tunnel to explore the planning for early access to the Upstream Cofferdam and Dam area andfor detailed construction Planning.	The detailed information regarding Existing Road tunnel has been shared in bid document Volume- 1, clause no. 2.11

S. No.	Volume	Clause No.	Description	Request for Change & Clarification	Reply
126		General	Rock mass classification percentage	It is requested to confirm whether the shear zone areas are included in the rock mass percentage of class V provided in the report for various components.	Shear zone areas are included in Class IV as well as Class V zones. Moreover, it is also mentioned in case of diversion tunnels under para 7.8 "…..expected to be lower part of Class-IV category (poor quality) and this may even go down to Class V category in case there is water ingress through joint in this part."
127		General	General	Kindly provide AutoCAD files of all the geological drawings, also kindly update the geological plans as per UTM coordinate grid so it could be plotted in AutoCAD and also visualized in Google earth as well.	All the geological drawings are being made in pdf format available in the IFB. However, if the bidders further needs further details or any other formats, the same is available at the Engineering Geology Division, NHPC Corporate Office.
128		General	General	Kindly provide geological L-section along spiral tunnel (Right bank).	The geological section of spiral tunnel presently is not available
129		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	a) Environmental Clearance granted on 17.11.2025. b) Forest Clearance, Stage-1 granted on 10.07.2025 c) PIB under progress d) Land for construction of different project components under the Lot-1 scope of works are in the possession of NHPC.
130		General	Likely date of award	Kindly inform likely date of award of contract to plan for the resources according to the start date.	Bid condition shall prevail
131		General	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 2 months time from the current date of submission.	The critical dates of tender has been already extended vide Corrigendum-2 dated 01.04.2026
132		General	Status of Land acquisition	We, request you to provide the information regarding the Land Acquisition status for this package.	Land for construction of different project components under the Lot-1 scope of works are in the possession of NHPC.
133		General	Clearances- Forest and Environmental	We request you to provide the information regarding the status of Forest and Environmental Clearances.	a) Environmental Clearance granted on 17.11.2025. b) Forest Clearance, Stage-1 granted on 10.07.2025.

SAWALKOT H.E. PROJECT				
AIR TEMPERATURE DATA OF AWS AT TANGER (i.e. at Project Office Complex)				
S.No.	**Month**	**Max. Temp (^{o}c)**	**Min. Temp (^{o}c)**	**Avg. Temp (^{o}c)**
1	Mar-24	33.3	6.0	17.3
2	Apr-24	34.2	12.1	20.2
3	May-24	40.0	11.9	28.5
4	Jun-24	41.1	17.7	24.2
5	Jul-24	36.1	20.8	30.0
6	Aug-24	34.5	20.4	26.4
7	Sep-24	36.3	18.0	26.3
8	Oct-24	33.3	15.6	22.8
9	Nov-24	31.1	8.6	16.9
10	Dec-24	24.9	2.8	10.8
11	Jan-25	25.5	4.5	11.8
12	Feb-25	25.6	4.3	13.2
13	Mar-25	31.4	6.3	16.3
14	Apr-25	34.3	10.2	22.7
15	May-25	37.7	16.0	25.9
16	Jun-25	41.3	15.1	28.0
17	Jul-25	35.3	21.3	26.9
18	Aug-25	34.7	17.2	26.0
19	Sep-25	35.9	18.1	26.5
20	Oct-25	32.5	10.2	20.1
21	Nov-25	29.3	5.6	14.3
22	Dec-25	25.2	6.0	12.8

SAWALKOT H.E. PROJECT									
River Water Temperture data at Sedhu Village on Chenab River at 8 AM (°c)									
	2016			2017			2018		
Month	Max	Min	Average	Max	Min	Average	Max	Min	Average
Jan				7.0	5.0	6.4	9.0	5.0	7.5
Feb	11.0	7.0	8.4	10.0	6.0	8.3	9.0	6.0	7.6
Mar	12.0	9.0	10.5	12.0	6.0	9.6	10.0	6.0	8.4
Apr	14.0	11.0	12.4	17.0	12.0	14.6	14.0	11.0	12.4
May	15.0	12.0	13.4	16.0	12.0	14.3	15.0	11.0	13.1
Jun	16.0	13.0	14.1	17.0	13.0	15.1	15.0	11.0	13.1
Jul	17.0	13.0	14.9	19.0	14.0	16.1	16.0	14.0	15.4
Aug	17.0	13.0	14.3	16.0	13.0	14.6	16.0	14.0	15.3
Sep	15.0	12.0	13.4	15.0	13.0	13.6			
Oct	14.0	10.0	12.0	15.0	12.0	13.5			
Nov	13.0	9.0	10.8	13.0	10.0	11.2			
Dec	10.0	7.0	8.1						

River Water Temperture data at Sedhu Village on Chenab River at 4 PM (°c)									
	2016			2017			2018		
Month	Max	Min	Average	Max	Min	Average	Max	Min	Average
Jan				9.0	6.0	7.5	10.0	6.0	8.5
Feb	13.0	7.0	10.4	12.0	6.0	9.4	10.0	7.0	8.6
Mar	14.0	8.0	11.6	15.0	7.0	10.8	11.0	7.0	9.4
Apr	16.0	12.0	13.9	19.0	13.0	16.1	15.0	12.0	13.4
May	18.0	13.0	15.3	18.0	14.0	16.1	16.0	12.0	14.1
Jun	18.0	15.0	16.6	19.0	13.0	16.7	16.0	12.0	14.1
Jul	19.0	12.0	16.1	20.0	15.0	17.4	17.0	11.0	16.2
Aug	18.0	14.0	15.5	18.0	14.0	15.8	17.0	11.0	16.1
Sep	18.0	13.0	14.7	17.0	13.0	14.8			
Oct	15.0	11.0	13.0	17.0	13.0	14.6			
Nov	15.0	11.0	12.5	14.0	11.0	12.2			
Dec	11.0	7.0	9.3						

Annexure-III

Schedule-I

Rates of Royalty of Minor Minerals

[See Rule 38 (1) (i) (ii), 50 (1) 70]

S. No.	Name of Minor Minerals	Royalty rates as per MT (Rs.)
1	2	3
1	**Dimensional Stones :**	
1.1	Limestone used for making dimensional stone like Devri Stone Hamam Slabs, Grave Stones and other domestic items	45.00
1.2	Sand stone when used for dimensional stone	25.00
1.3	Baramulla Slabs (Phylitic)	25.00
2.	**Decorative Stones :**	
2.1	Marble, Granite, Slate and Basalt (dressed block) for sawing into slabs and tiles.	230.00
2.2	Granite, Marble, Slate, Basalt, Sand Stone, Limestone etc. for manufacture of chips	70.00
3.	**Rocks/Minerals used for Building purposes as Road Metal, Masonary Stone and for Building lime :**	
3.1	Limestone (specified by Central Government for the purpose) when used in Kiln for the manufacture of limes used at building material	40.00

1	2	3
3.2	**Limestone used as Masonary Stone and Road Metal :**	
3.2.1	Rubble	25.00
3.2.2	Phandai	35.00
3.3	**Basalt, Quartzite, Granites, Sandstone used as Masonary Stone and Road Metal :**	
3.3.1	Rubble	25.00
3.3.2	Phandai	35.00
4	**Nallah Boulders, Bajri, Sand :**	
4.1	Nallah Boulders	20.00
4.1.1	Crushing (Crushed Stones)	25.00
4.1.2	Masonry Stones	35.00
4.1.3	Nallah Muck	25.00
4.2	Nallah Bajri	35.00
4.3	Crushed Bajri	40.00
4.4	Screened Pebbles	40.00
4.4	Ordinary Sand	25.00
4.5	Screened Sand	30.00
5.	**Clays :**	
5.1	Clay other then used for Brick manufacture	20.00
5.2	Clay when used for manufacture of Brick	20.00

1	2	3
5.3	Bentonite and fuller earth	85.00
5.4	Ordinary earth	20.00
6.	China Clay	70.00
6.1	Gypsum	90.00
6.2	Corundum	5% of the sale value
7.	All other Mineral not specified	15% of pit mouth value

Schedule-II

Rates of dead rent of Minor Minerals

[See Rule 38(1)(iv)]

S. No.	Rate of Dead Rent	2nd to 5th year in Rs. per hectare per annum	6th to 10th year in Rs. per hectare per annum	Above 10 years in Rs. per hectare per annum
1.	Up to 5 hectares or part thereof	3,600/-	7,200/-	10,800/-
2.	Above 5 hectares but not exceeding 10 hectares	5,000/-	10,000/-	15,800/-
3.	Above 10 hectares	8,625/-	17,250/-	25,900/-