

Electricity Grid Modernization Project
Design, Supply, Installation, Testing and Commissioning of Ghorahi-Khungri (Madichaur) 132 kV Transmission Line and Associated Substations at Khungri and Ghorahi.
OCB NO:PMD/EGMP/GKTLSS-077/78-01

Clarification-3

S. No.	Reference Section and Clause	Description in Bid Document	Bidders Query/ Comments	NEA's Clarification
1	Volume-IIB, Section-7, Instrument Transformer, Clause 9.2-(i) DGA test of oil	Current transformer-DGA test of Oil	Although this clause calls for DGA test of Oil to be carried out at the time of commissioning of CT, it may not be possible for DGA test as CT's hermetically sealed. We request you to please delete this clause.	confirmed.
2	Volume-IIB,Section-1, Project specific requirement - Bay extension works at Ghorahi Substation	20.b Insulation level - Impulse withstand	A. Values mentioned in GTP: Primary -750kV/ Secondary -250 kV B. Values mentioned in Technical specification: Primary -650 kV/ Secondary -170 kV	Please read this as Primary -750kV/ Secondary -250 kV.
3	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	Creepgae distances	A. Values mentioned in GTP: 4650/1300/1300 mm B. Values mentioned in Technical specification: 3625/900/900 mm	Please read this as 4650/1300/1300 mm.
4	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	9. Vector group/ Distribution Transformer	A. Values mentioned in GTP: YNyn0 B. Values mentioned in Technical specification: DyN11	In clarification-I, we have mentioned it as YNyno but this will be finalised during the detail engineering.
5	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	21.a BIL- Power Frequency withstand/ Distribution Transformer	A. Values mentioned in GTP: Primary – 95 kV / Secondary -28 kV B. Values mentioned in Technical specification: Primary -70 kV / Secondary -28 kV	Please read this as 95 kV/ Secondary -28 kV.
6	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	21.b Insulation level - Impulse withstand/ Distribution Transformer	A. Values mentioned in GTP: Primary -250kV / Secondary -95 kV B. Values mentioned in Technical specification: Primary -170 kV/ Secondary -95 kV	Please read this as PrimaryPrimary -250kV/ Secondary -95 kV
7	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	9. Insulation level/ 132 kV SF-6 Circuit Breake	A. Values mentioned in GTP: impulse withstand -750kV/ Power Frequency -325 kV B. Values mentioned in Technical specification: impulse withstand -650kV/ Power Frequency -275 kV	Please read this as impulse withstand -750kV / Power Frequency -325 kV.
8	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	10. Rated short Circuit breaking current/ 132 kV SF-6 Circuit Breake	A. Values mentioned in GTP: 25 kA B. Values mentioned in Technical specification: 31.5 kA	Please read this as Values mentioned in GTP: 25 kA.
9	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	31. Creepage distance/ 132 kV SF-6 Circuit Breake	A. Values mentioned in GTP: 4650 mm B. Values mentioned in Technical specification: 3625 mm	Please read this as 4650 mm.
10	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	9. Insulation level/ 33kV Vacuum Circuit Breaker	A. Values mentioned in GTP: impulse withstand -250kV/ Power Frequency -95 kV B. Values mentioned in Technical specification: impulse withstand -170 kV/ Power Frequency -70 kV	Please read this as impulse withstand -250kV/ Power Frequency -95 kV.
11	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	10. Rated short Circuit breaking current	A. Values mentioned in GTP: 25 kA B. Values mentioned in Technical specification: 31.5 kA	Please read this as 25 kA.
12	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	7. Rated Current-Short time for 1 sec/ 132 kV Disconnecting switch	A. Values mentioned in GTP: 25 kA B. Values mentioned in Technical specification: 31.5 kA	Please read this as 25 kA.
13	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	8. Insulation level/ 132 kV Disconnecting switch	A. Values mentioned in GTP: impulse withstand -750kV/ Power Frequency -325 kV B. Values mentioned in Technical specification: impulse withstand -650kV/ Power Frequency -275 kV	Please read this as impulse withstand -750kV/ Power Frequency -325 kV.
14	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	7. Rated Current-Short time for 1 sec/ 33kV Disconnecting switch	A. Values mentioned in GTP: 25 kA B. Values mentioned in Technical specification: 31.5 kA	Please read this as 25 kA.
15	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	8. Insulation level/ 33kV Disconnecting switch	A. Values mentioned in GTP: impulse withstand -250kV/ Power Frequency -95 kV B. Values mentioned in Technical specification: impulse withstand -170 kV / Power Frequency -70 kV	Please read this as impulse withstand -250kV/ Power Frequency -95 kV.
16	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	4. Enclosure protection class/ 132kV Control & Relay panel	A. Values mentioned in GTP: IP-43 B. Values mentioned in Technical specification: IP-31	Please read this as IP-43.
17	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	4. Enclosure protection class/ 33 kV Control & Relay panel	A. Values mentioned in GTP: IP-43 B. Values mentioned in Technical specification: IP-31	Please read this as IP-43.



18	Volume-IIB , Section-21, General Technical Requirement, Technical Schedule	1.11.2 Technical Particular for Optic Line Terminal Equipment	Although price schedule item 3.2.1.B calls for supply of SDH Equipment (STM-4 MADM upto 4 MSP protected directions), GTP provided is pertaining to PDH equipment. Hence not relevant to the subject bid. Request please provide us Technical particulars suitable for SDH equipment	Please follow as per bid price schedules.
19	VOLUME-II-A: Transmission Line		We gone through the Volume-II-A of Tender Documents and observed that, Equipment data sheet of Transmission Line is missing in the documents. We request you to please provide data sheet of Transmission Line.	Please follow the Volume-IIA , Section-11, Technical Schedule.
20	VOLUME-III-Price Schedule-Transmission Line-Supply and delivery form Abroad-No-1		We understand that the bidder has to quote the rate of only leg extension portion and not for the total DB/DC/DD DE/EF tower. Kindly confirm that our understanding is correct.	Please quote all as per Price Schedule. We need complete tower parts.
21	VOLUME-III-Price Schedule-Transmission Line-4-e-Prototype Testing of Towers		If the bidder intends to do the tower tests outside Nepal, then there is no option to quote the rate in foreign currency (F/C USD). We request you to incorporate the same.	Bidders can quote in equivalent foreign currency also.
22	VOLUME-III-Price Schedule-Transmission Line,4-a-Construction Installation, Testing and Commissioning of Works, 2. Soil investigation, (d) River crossing locations		River crossing BOQ for soil investigation is mentioned but there is no BOQ for construction of pile foundation. Kindly provide the same.	NEA has not envisaged the use of Pile foundation.
23	VOLUME-III-Price Schedule-Khungri Substation-1(A),Electrical Works-h-CABLES ALONG WITH CLAMPS, GLANDS, LUGS ETC.		Please provide the Technical Specification of 132 kV 1000 sq. mm single core XLPE power cable.	Please follow as international standards.
24	VOLUME-III-Price Schedule-Khungri Substation-1(A),Electrical Works-h-Circuit Breakers & Switchgear		Please provide the technical Specifications of 33KV VCBs.	Please follow the Volume-IIB , Section-21, Substation Equipment Datasheets.

