

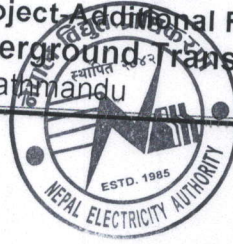


# Nepal Electricity Authority

(Government of Nepal Undertaking)

## Project Management Directorate

Electricity Grid Modernization Project-Additional Financing  
Chobhar Patan Chapagaun 132 kV Underground Transmission Line Project  
Matatirtha, Katmandu



Ref No: CPCUGTLP- 079/80 Cha No 52

Date: June 11, 2023

To,  
All Prospective Bidders.

Subject: **Issuance of Clarification-I**

Ref: Design, Supply, Installation and Commissioning of 132 kV underground line from Chobhar Substation to New Patan Substation (PMD/EGMPAF/CPCUGTLP-079/80-02)

Dear Sirs/Madams,

In reference to the captioned Bid published on May 08, 2023, we hereby attaching the Clarification-I sought by the bidders pursuant to Clause 7.1 of the bidding documents.

It is hereby requested to acknowledge the receipt of the same.

With Regards,

(Ukesh Shrestha)  
Project Manager

## PRE-BID QUERIES

## Design, Supply, Installation &amp; Commissioning of 132 kV Underground Line from Chobhar Substation to New Patan Substation

S.N Clause No

Tender Clause

Comments/Question of Bidder (queries)

NEA Reply

1	ITB 16.1(b)	The period following completion of plant and services in accordance with provisions of the contract shall be 5 year	Qualification criteria and clause 8.2 of section 8 Special Conditions of contract calls for the Time to complete the plant and services-450 days	The completion period for project is 450 days. However, the liability of the bidder/contractor shall be five years after completion of the project for all services as required such as supply of spare parts etc.,
2	ANNEXURE-B of chapter -5 general technical requirement -EHV XLPE	List of drawings/documents	following drawings are not enclosed with tender document - Cable bridge layout- EHV XLPE power cable trench layout at substation - joint pit layout please provide the above drawings	Design is scope of the Contractor. Detail design shall be finalized during DDE (Detail Design Engineering)
3	cl No. 1.6 of chapter 5 chapter -general Technical Requirement--EHV XLPE	Radial Moisture Barrier: This shall be of corrugated aluminium sheath/extruded corrugated seamless aluminium sheath	Corrugation AL sheath is required as Seamless in tender specification while seamless /welded in cable data sheet ,please clarify	Both seam welded/extruded aluminium sheath is acceptable.
4	Item No. Technical Data for 132 kV single core 800 Sq.mm XLPE Insulated, Armoured Cable: Sr No 13 (b) of GTP format	Metallic sheet b) Thickness 3mm	In the data sheet of 132 kV I.C.X 800 Sq.mm cable at SI.No. 13 © short circuit rating has been specified as 31.5KA for 1 second. In this reference please review & confirm that we can offer thickness of Al sheath suitably to achieve the short circuit rating of 31.5KA for 1 sec. Al sheath thickness of 3mm is not necessary and approx. 1.6 mm thickness of Al sheath would be adequate for short circuit rating of 31.5 kA for 1 sec. In view of the above ,please review the requirement of thickness of Al sheath & advice.	As per the technical specifications
5	CI No. 1.55 of chapter 5		Please confirm that OFC is not be integrated inside the EHV cable in which case OFC can not be metal free as required	The bidder should provide technical proposal on how DAS and DTS functionality shall be achieved as per bid documents. As per the proposal, whatever items and amount required for DAS and DTS system functionality please quote under BoQ item Cable Protection, Monitoring System with all accessories as per TS. However, the proposed 48 core optical fiber cable in BoQ is for communication /line protection purpose and it can be utilized for the DAS system as well. OFC integrated inside XLPE EHV cable can also be utilized for DAS and DTS.
6	Cable Installation		We presume that installation shall be as per Annex-1 and not in RCC trenches. Please inform the soil thermal resistivity of sand filling to be considered for current rating calculation.	Installation of cable inside substation shall be in RCC trenches. Sand with higher thermal conductivity like eg fine sand shall be used for backfilling. Current rating shall be provided in Guaranteed Technical Particulars with proposed parameter of design.





7	Section 3- Evaluation and Qualification Criteria Clause no.2.6 Subcontractors	XLPE Cable (132 kV) Must have successfully carried out the complete type test of offered type and size of 132 kV XLPE cable carried out as per IEC over last 10 years period as on the originally scheduled date of bid opening in any one of the following internationally recognized laboratories: a) KEMA, Holland b) EDF, France, c) CEST, Italy d) IPH, Germany e) STRL, Sweden f) Hydro Quebec, Canada g) CRIEP, Japan h) KERI, Korea i) Kinetics, Canada OR, must have successfully completed type test conducted as per IEC over last 10 years period as on the originally scheduled date of Bid Opening in any internationally accredited Laboratory in the presence of and certified by above mentioned laboratories representative However, If the Bidder/Manufacturer has not conducted the complete type tests of the offered type and size of 132 kV XLPE cable in the laboratories as stated above or has conducted type test but is beyond the 10 years as on the date of bid opening	As per IEC 60840, clause 12.2 range of type approval, type test of higher size/higher Voltage cable with same construction is acceptable, please confirm. Kindly include the name of CPRI, India in the list of internationally recognized laboratories for type testing as the CPRI is also internationally accredited laboratory.	It will be as per bid document.
8	Invitation for Bids, C1.4	Bidder shall have minimum average annual turnover of US \$ 13.73 Million within last three years. Bidder are required at least one contract that has been successfully or substantially completed within the last 10 years and that is similar to the proposed contract, where the value of the Bidder's participation exceeds US \$ 6.45 Million.	Please confirm if the credentials of parent company are acceptable to meet the qualifying requirement	The credentials of parent company are not acceptable to meet the Qualifying requirement
9	Section 3- Evaluation and Qualification Criteria Clause no.2.3.2	Average Annual Turnover Minimum average annual turnover of US \$ 13.73 Million calculated as total certified payments received for contracts in progress or completed, within the last 3 (Three) years.	Please confirm if the credentials of parent company are acceptable to meet the qualifying requirement	The credentials of parent company are not acceptable to meet the Qualifying requirement



10	Section 3- Evaluation and Qualification Criteria Clause no. 2.4.1	Contracts of Similar Size and Nature Participation as a contractor, JV partner, or subcontractor, in at least 1 (one) contract that has been successfully or substantially completed within the last 10 years and that is similar to the proposed contract, where the value of the Bidder's participation exceeds US\$ 6.45 million. The similarity of the Bidder's participation shall be based on design, supply, installation and commissioning of 132 kV or higher voltage underground transmission line	Please confirm if the credentials of parent company are acceptable to meet the qualifying requirement	The credentials of parent company are not acceptable to meet the Qualifying requirement
11	Section 3- Evaluation and Qualification Criteria Clause no. 2.4.2	For the above or other contracts executed during the period stipulated in 2.4.1 above, a minimum experience in the following key activities Design, supply, installation and commissioning of 9.00 Circuit km (3 cable per circuit) length of 132 kV or higher voltage underground transmission line within last 10 (ten) years	Please confirm if the credentials of parent company are acceptable to meet the qualifying requirement	The credentials of parent company are not acceptable to meet the Qualifying requirement
12	Section 3- Evaluation and Qualification Criteria Clause no. 6	Bidder must have to submit complete type test of offered type and size of 132 kV XLPE cable carried out as per IEC over last 10 years period as on the originally scheduled date of bid opening in any one of the following internationally recognized laboratories: a) KEMA, Holland b) EDF, France, c) CESI, Italy d) IPI, Germany e) STRI, Sweden f) Hydro Quebec, Canada g) CRIEP, Japan h) KERI, Korea i) Kinetics, Canada	Please include Type test report from CPRI Bangalore, India as valid, since CPRI is also as international recognized lab with STL Membership(Document enclosed) and same was applicable in your earlier ICB : PBLSS/ICB/2078/079-01(copy enclosed)	It will be as per bid document.



13	Section 3 - SubContractor CI 2.6	Must have successfully carried out the complete type test of offered type and size of 132 kV XLPE cable carried out as per IEC over last 10 years period as on the originally scheduled date of bid opening in any one of the following internationally recognized laboratories: a) KEMA, Holland b) EDF, France, c) CESI, Italy d) IPEH, Germany e) STRI, Sweden f) Hydro Quebec, Canada g) CRIEP, Japan h) KERI, Korea i) Kinetics, Canada	We request you to please include Type Test Report from CPRI Bangalore, India as valid, since CPRI is also an international recognized lab with STL Membership (Documents enclosed) and same was applicable in your earlier ICB No.: PBT/SS/ICB/2078/079-01.	It will be as per bid document
14	Section 3 - SubContractor CI 2.6	However, If the Bidder/Manufacturer has not conducted the complete type tests of the offered type and size of 132 kV XLPE cable in the laboratories as stated above or has conducted type test but is beyond the 10 years as on the date of bid opening THEN the bidder has to submit an undertaking letter along with the bid to carry out the complete type test of the offered type and size 132 kV XLPE cable in the above mentioned testing laboratories without any extra cost to the employer.	We request you to allow CPRI as per point above, or allow, Undertaking that Type Test can be carried out on offered cable at OEMs NABL Accredited lab in presence of authorized representatives of approved labs and certified by them.	Bidder is required to provide test report as per bid document or provide undertaking as per bid document.
15	Section 1 - CI 4 - Eligible Bidders	A Bidder may be a natural person, private entity, or government-owned enterprise subject to ITB 4.5 - or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture	We understand that bidder can be a Joint Venture or Consortium, wherein, 2 partners can bid as consortium partners with joint & several responsibility and declaring one of the partners as Lead bidder, who will be responsible for all commercial transaction with the NEA. Further, if Lead bidder is a FIRM with Origin in Nepal, then Consortium will not be required to incorporate in Nepal post successful award, since all transaction will be done by VAT registered local company. Reference to Consortium has been mentioned in Section 7 (GCC) Clause 9.7 & all transaction with Nominated Representative (i.e. Lead bidder) has been mentioned in Clause 4.1 (b) of Section 1 (ITB). <b>Kindly confirm our understanding.</b>	It shall be as per ITB 4.1, GCC clause 9.7 and SCC clause 14.
16	Volume 3, Section 4 Price Schedule Item D 2.0	GI pipe (NB 200mm x Heavy Duty) for crossing & Accessories	GI Pipe has been asked for crossings & Accessories, however, same is not recommended being metallic pipe. Only HDPE Pipes are recommended for laying of EHV Cables. Kindly remove this item.	Shall be finalized during DDE (Detail Design Engineering)





17	Bid Submission Due Date	21-Jun-23	Owing to Engineering activities and offers required from many sub vendors (DTS/DAS System, Cable bridge design etc), we request you to Extend the bid submission time till 15th July.	It will be as per bid document. If there is amendment, it will be informed to all bidders through NEA website.
18	Section 3- Evaluation and Qualification Criteria Clause no 2.4.2	For the above or other contracts executed during the period stipulated in 2.4.1 above, a minimum experience in the following key activities Design, supply, installation and commissioning of 9.00 Circuit km (3 cable per circuit) length of 132 kV or higher voltage underground transmission line within last 10 (ten) years.	as per criteria current experience requirement is "Design, Supply, installation and commissioning of 9.00 circuit km (3 cable per circuit) length of 132 kV or higher voltage underground transmission line within last 10 (ten) years" but in China 110KV is used instead of 132KV. so, we hereby request you to amend the qualification criteria "Design supply, installation and commissioning of 9.00 circuit km (3 cable per circuit) length of 110 kV or higher voltage underground transmission line within last 10(ten) years".	It will be as per bid document.
19		According to Chapter 10-Technical Data Sheet, Bidding Document II Item no.1, S1 No.13(b) Al sheath thickness is defined as 3mm. 13(c) short circuit current of metallic screen is stated as $\geq 31.5$ KA for 1 sec	We can meet subject short Circuit current of metallic screen with a thinner Al sheath. Could we design Al sheath thickness less than 3mm.	It will be as per technical specifications.
20		Bidding Document, Volume III Section 4 Price Schedule Note for The bidders are require to quote their price including all taxes and duties applicable in their country / Country of Origin, & all business taxes, income taxes (TDS etc) applicable in Nepal. The quoted price shall be exclusive of taxes and duties applicable in Nepal like custom, VAT etc.	1) Should VAT be included in Schedule No.4 Installation and other services? 2) What are Business tax and their rate respectively?	1) The quoted price shall be exclusive of VAT for schedule no 4. 2) Please follow Inland Revenue Department <a href="https://ird.gov.np/">https://ird.gov.np/</a> regarding business tax and their rates.
21	Section 8- Special Conditions of Contract	SCC of bidding document volume I 14.5.2 Duties on Equipment, Plant, Materials, and Supplies An advance income tax as per the prevailing income tax act and Finance Act shall be deducted from the monthly progress payment of the contractor.	What is rate for advance income tax? Will advance income tax be deducted from all payments of price Schedule No. 1 to No.4 from Employer, including advance payment?	Please refer SCC clause 14 Taxes and Duties. Please follow Inland Revenue Department <a href="https://ird.gov.np/">https://ird.gov.np/</a> for advance income tax, TDS.
22		Bidding Document Volume II, 11.0 specific Requirement 11.6 Training at Manufacturer's works	How much is payment of per Diem allowance per day to NEA trainee?	The per diem allowance to NEA trainees depend upon the NEA TA DA Bye laws. Please check in website <a href="http://nea.org.np">nea.org.np</a> for TA DA bye laws.
23		Bidding Document Volume II, 11.0 specific Requirement 11.6 on job Training in Nepal.	How many trainees will participate to s.no.3 Power Cable Termination and jointing, S.No.4 DTS, DAS system respectively	Please refer Specific Requirement Clause no 11.6



24	BOQ, FO cable (48 cores-4.5 Km)	However, as per bid document both DTS and DAS system need to be provided. Request to consider separate FO cable of 4.5 km each for DTS & DAS and amend Price Schedule.	The bidder should provide technical proposal on how DAS and DTS functionality shall be achieved as per bid documents. As per the proposal, whatever items required for DAS and DTS system functionality please quote under BoQ item Cable Protection, Monitoring System with all accessories as per TS. However, the proposed 48 core optical fiber cable in BoQ is for communication purpose/transmission line protection and it can be utilized for the DAS system as well OFC integrated inside XLPE EHV cable can also be utilized for DAS and DTS.
25	Schedule no.1 item no. A(i)	During pre bid meeting we understand that the below Hardware are not required Please Clarify/Confirm	Please quote under it for items required as per the design requirement as design is scope of the Contractor.
26	Vol 3 (Price Schedule Schedule No.4 : Installation & Other Services)	Tender is only asking for Nepalese Currency ( in NPR). Since, apart from supply, We shall be doing the Installation Work at site. Therefore kindly allow us to bid in FC/INR.	Please quote the price in currency as per the BoQ.
27	Volume 2	The proposed Cable Laying Layout provided in the Tender are not recommended as per IEC standards. IEC only recommends laying in either Trefoil or in Flat formation. In the present laying pattern, it is Difficult to evaluate/achieve Current Ratings. Cable shall be having different ratings. In case of HDDD the below pattern cannot be followed/adopted.	Shall be finalized during DDE (Detail Design Engineering)
28		Request to consider Fiber Embedded cable to achieve accuracy of the data and which is also suitable for both DTS and DAS	The bidder should provide technical proposal on how DAS and DTS functionality shall be achieved as per bid documents. As per the proposal, whatever items required for DAS and DTS system functionality please quote under BoQ item Cable Protection, Monitoring System with all accessories as per TS. However, the proposed 48 core optical fiber cable in BoQ is for communication purpose/transmission line protection and it can be utilized for the DAS system as well OFC inside XLPE EHV cable can also be utilized for DAS and DTS.
29		Please arrange to provide the Strength of the Bridges in order to check the feasibility for fixing of Steel Structure (of 1 mtr wide) in parallel to the wall of the Bridge, for cable laying.	Cable bridge is provisioned as per bid document. However, alternative options shall be discussed and finalized during DDE with the concerned utilities.



*[Handwritten signature]*



30			Also please check and confirm the route. The route detail provided in the Tender (kmz file) is different from the Route Survey done by us.	Please follow the route as per approved IEE report. The route might have deviation after consultation with relevant utilities (road, bridge, sewerage, municipalities) during DDE.
31	Section - 3, Clause 1.3.6 - Specific Additional Criteria & Section - 8, SCC - Clause 9.8 (c)	Any bid not accompanied by the EHSMP may be rejected by the Employer as nonresponsive.  And  Within 28 days of the Commencement Date the Contractor shall submit a detailed Site Specific Environmental Management Plan (SSEMP) for the Engineer's no objection showing how he/she intends to comply with environmental laws and regulations and other specific requirements prescribed in the Contract, addressing all the monitoring and mitigation measures set forth in the Environmental Impact Assessment ("EIA") and the Environmental Management Plan ("EMP") of the project attached in Section 6-Employer's Requirements.	We understand bidder has to submit general draft version of EHSMP plan at bidding stage and site specific EMP will be submitted during execution stage, please confirm if our understanding is correct.	Yes, basically.
32	Section - 8, GCC & SCC Clause 14  Taxes & Duties		We understand following taxes will be applicable, please confirm.  1. Custom Duty & VAT will be in scope of employer and exemption letter will be provided upfront, and same will not be on reimbursable basis.  2. Concessional Custom Duty of 1% will be paid by contractor on reimbursable basis.  3. TDS of 1.5% will be deducted from schedule - 1 i.e. on supply from abroad.  4. VAT of 13% will be paid extra by employer to contractor on Service part of contract.  Please confirm if our understanding is correct.	Regarding taxes, Please refer SCC clause 14 Taxes and Duties.  1 & 2. The quoted price shall be exclusive of taxes and duties applicable in Nepal like custom, VAT etc.. Concessional Customs duty 1% applicable for approved master list value shall be paid by the Contractor at the time of import and will be reimbursed by the Employer to the Contractor upon submission of the original receipt issued by the Customs Department. 3. TDS applicability % depends on the prevailing taxation rules, regulation and prevailing rules of Inland Revenue Department, Nepal. It depends upon different conditions, type of invoice & invoice generating location, payment destination (Nepal or abroad) etc.. 4. Applicable VAT is Employer's obligation for service part of the Contract.





33	Section - 8, GCC & SCC, Clause 24.9	Completion of Facilities	Since substation at both ends are in separate packages, we understand TOC of this contract will not be withheld on pretext of non completion of any of the substation and payment linked with TOC will be released in FULL, also defect liability period will be 18 Months from date of TOC of 12 Months from OAC, which ever is earlier. Please Confirm	Shall be as per provision of the bid document.														
34	Section - 9, Appendix 2 - Price Adjustment	<p><b>Appendix 2 - Price Adjustment</b></p> <p>Under this provision, the price adjustment will be permitted only on the Copper component of the contract. The price adjustment will be calculated as follows:</p> $Price\ adjustment = P_t - P_0 \left( \frac{C_t}{C_0} \right)^{0.33}$ <p>Where:</p> <ul style="list-style-type: none"><li><math>P_t</math> = Price of Copper at the time of payment</li><li><math>P_0</math> = Price of Copper at the time of measurement</li><li><math>C_t</math> = Quantity of Copper at the time of payment</li><li><math>C_0</math> = Quantity of Copper at the time of measurement</li></ul> <p>The price adjustment will be calculated as follows:</p> $Price\ adjustment = P_t - P_0 \left( \frac{C_t}{C_0} \right)^{0.33}$ <p>The price adjustment will be calculated as follows:</p> $Price\ adjustment = P_t - P_0 \left( \frac{C_t}{C_0} \right)^{0.33}$	It is been observed that variable part of XLPE cable has only 33% variable and remaining is fixed, Copper being most volatile commodity these days and contributes more than 80% of the cable cost.	Shall be as per bid document.														
35	Section - 9, Appendix 2 - Price Adjustment	The date of adjustment shall be the mid-point of the period of manufacture or installation of the component or Plant.	Please confirm, how mid point for date of adjustment will be calculated, weather it will be period of manufacturing or installation.	Regarding the date of adjustment if there is amendment, it will be informed to all bidders through NEA website.														
36	Chapter - 1 - PSR, Clause 2.1.3.2 (n)	<p>The methodology of laying shall be documented in details and shall be submitted along with inception report for approval. Preferable methodology for cable trench:</p> <table><thead><tr><th>Cable Route Methodology</th><th>Preference</th></tr></thead><tbody><tr><td>Along the Road/Along the road with changed line</td><td>Excavation/HDD Excavation</td></tr><tr><td>Road crossing</td><td>HDD</td></tr><tr><td>Highway Crossing</td><td>Cable bridge/HDD</td></tr><tr><td>Canal/river crossing</td><td>Cable bridge/HDD</td></tr><tr><td>Along the Canal</td><td>Cable bridge/HDD</td></tr><tr><td>Inside substation</td><td>Concrete cable trench</td></tr></tbody></table>	Cable Route Methodology	Preference	Along the Road/Along the road with changed line	Excavation/HDD Excavation	Road crossing	HDD	Highway Crossing	Cable bridge/HDD	Canal/river crossing	Cable bridge/HDD	Along the Canal	Cable bridge/HDD	Inside substation	Concrete cable trench	<p>Methodology of laying cable for "Along the Canal" is mentioned as Cable Bridge / HDD.</p> <p>A. We understand cable laying along the canal will be done using HDD method instead cable bridge, which will be used in canal crossing only. Please confirm if our understanding is correct.</p> <p>B. Also please include item for cable laying using HDD method in BoQ Separately.</p>	<p>A. Preferred methodology for along the canal is open excavation. If its not feasible then HDD shall be preferred. Cable bridge/HDD shall be used only in canal/river crossing.</p> <p>B. Please quote as per BoQ.</p>
Cable Route Methodology	Preference																	
Along the Road/Along the road with changed line	Excavation/HDD Excavation																	
Road crossing	HDD																	
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Canal/river crossing	Cable bridge/HDD																	
Along the Canal	Cable bridge/HDD																	
Inside substation	Concrete cable trench																	
37	Chapter - 1 - PSR, Clause 2.1.3.2 (i)	The Contractor should lay extra cable at terminations and Joints in joint bay through snake laying with clamping accessories considering easy maintenance when there is fault at joints and terminations.	Please confirm additional length of cable to be considered at joint and terminations bays.	It shall be decided during DDE as per design feasibility.														



38	Chapter - 1 - PSR, Clause 11.6	Training at Manufacturer's works. The Contractor shall include in the training charges (i) Accommodation Charges (ii) payment of per Diem allowance to NEA trainees @ as per NEA Financial Regulation per day per trainee for the duration of abroad towards accommodation, meals and other incidental expenses and (iii) to and fro economy class air ticket from Nepal to place of training. The duration of training shall be excluding travelling period. And The cost of training for jointing and termination in both abroad and Nepal shall include necessary jointing kits and termination kits for effective technology transfer to the trainees.	A. Kindly confirm per diem allowance to NEA trainees, which is to be paid by contractor during training period. B. We understand, contractor has to supply each type of cable joint and termination for training purpose, please confirm if our understanding is correct.	A. The per diem allowance to NEA trainees depend upon the NEA TA DA Bye laws. Please check in website nea.org.np for TA DA bye laws. B. The training shall be on necessary jointing kits and termination kits for effective technology transfer.
39	Chapter - 1 - PSR, Annexure II	List of preferred Make	We understand that, if contractor proposes vendors from preferred make list in their bid then only Manufacturer's Authorization and General Technical Particulars are need to be enclosed in the bid. Please Confirm of our understanding is correct.	Furthermore, type test reports are required as well.
40	Chapter 5, Clause 1.7 and General Technical Particular	The metal sheath shall consist of a tube of corrugated aluminium of at least 99.5% purity. The thickness of the corrugated aluminium sheath shall be designed to meet the requirement of the system short circuit rating as specified in the bidding documents. The sheath shall be continuously extruded, of uniform thickness and homogeneous construction, close fitting, seamless and free from defects. Aluminium used for the sheath shall have the minimum purity of 99.5% and shall be of best quality metal free from pinhole flaws and other imperfections. The minimum thickness at any point shall not fall below 85% of the specified nominal thickness by more than 0.1mm. A thin layer of bitumen or other suitable anti-corrosion compound shall be applied over the aluminium sheath.	As per 132 kV cables technical specification of clause 1.7 type of metallic sheath is seamless type corrugated aluminium sheath whereas in general technical particular of XLPE Cable sheet of S. No. 13 (a) of table no. 7 mentioned both seam welded/extruded aluminium sheath is mentioned. And as per Project specific requirement, General technical particular will supercede Chapter 5. Hence we understand that both seam welded / extruded aluminium sheath is acceptable. Please Confirm.	Both is acceptable.





41	Chapter - 1 - PSR	Charges if any be paid to the Road, Sewage or any other Government bodies as per the requirement of the works under the scope of the Contractor will be borne by the NEA on actual cost basis. Initially the requisite charges are to be deposited by the Contractor with the concerned department. The same shall be reimbursed to the Contractor on production receipt of such deposited amount after completing the work for which the amount is paid.	Since some part of route is on major highway, and road cutting amounts are going to be extremely high, please let us know, road cutting charges to be deposited to road department.	Money to be deposited (charge, guarantee etc.) shall be as per prevailing rules of relevant Road Department Office/Municipality office prior to road cutting. The charges deposited by the contractor shall be reimbursed by NEA after completing the work for which charge was deposited.
42	Chapter - 1 - PSR, Clause 12	The Contractor shall do the necessary calculations for relay setting required for Pre-commissioning, Commissioning, Trial-run and Completion for the substations under the scope of this Contract. All the relay setting calculations required for the substations (in this scope) with related to Integrated Nepal Power System (INPS) shall be done by the Contractor.	We understand "necessary calculations for relay setting required for Pre-commissioning, Commissioning, Trial-run and Completion for the substations and all the relay setting calculations required for the substations with related to Integrated Nepal Power System (INPS) is not in scope of existing contract. Please Confirm.	The protection of underground transmission line by using the installed differential/distance protection relays and backup overcurrent Earth Fault relay by Substation Package Contractor is scope of current bidder. Hence, providing necessary calculations and setting relay values for commissioning, Trial run and completion is scope of current bidder.
43	Drawings	Cable Laying Layout	We understand RCC Interlocking slabs are needed only on the top of trench and not on side walls, please confirm if our understanding is correct.	Precast RCC slabs shall fully cover the trench for protection of cables from top. If further protection is required at special cases, it shall be designed accordingly during DDE.
44	Chapter - 1 - PSR	Current Carrying Capacity	Please confirm maximum current carrying capacity required for the system.	Current carrying capacity shall be as per laying conditions. However, due to site constraints the configuration of cable formation and depth might be changed during DDE for smooth execution and current carrying capacity shall be calculated as per actual laying condition at site. However, bidder shall utilize its best design with resources to enhance the capacity of the underground cables and try to reach higher capacity.
45	Chapter - 5 - XLPE Cable & GTP	Insulation Thickness	Technical specification of clause 1.4 (insulation) and 132 kV cables data sheet of S. No. 11 (b) XLPE insulation thickness is not specified. Please confirm XLPE insulation thickness.	As per latest amendment of IS 7098 (P3)/ IEC 60840/IEC 62067 and relevant IEC standards.
46	Pile Foundation	Geotechnical Investigation	Please confirm required depth of soil investigation to be done at pile foundation.	As per technical specification and design requirement.
47	AIS Termination Kit	Technical Specification of AIS Termination Kit	Request you to please provide technical specification of AIS termination KIT.	It shall be as per latest IEC standards related to AIS termination kit and confirming to Chapter 5, 1.11.5.
48	Price Schedule		As discussed in prebid meeting, please provide soft copy (Excel) of Price-Schedule.	It shall be provided in mail to the prospective bidders who have purchased the bid.

*[Handwritten signature]*



49	GTP & Price Schedule	Fiber Optic Cable - Cable Armouring	Please confirm if the cable is armoured or unarmoured? As 2 different cable specs are indicated( BOQ says Unarmoured and the Technical Data sheet indicates Armouring).	Optical fiber of 48 core is unarmored.
50			As per S.NO.13 : Continuous current rating for Flat/trefoil both is asked and ANNEXURE 1 Cable laying layout Drawing is also attached.	Current carrying capacity shall be as per laying conditions. However, due to site constraints the configuration of cable formation and depth might be changed during DDE for smooth execution and current carrying capacity shall be calculated as per actual laying condition at site. However, bidder shall utilize its best design with resources to enhance the capacity of the underground cables and try to reach higher capacity.
51	Volume -II OF III	CHAPTER 10 TECHNICAL DATA SHEET FOR 132KV SINGLE CORE 800 SQ MM XLPE INSULATED CABLE S.NO.23 & ANNEXURE 1 -Cable Laying Layout DRAWINGS :-	Please confirm the Load / Current (Amps) requirement and also confirm which method is to be followed Flat/Trefoil.	It will be as per bid document.
			As Observed During Route Survey that Both the Connecting Substations are Not Ready. Chobhar AIS Substation is Under Very Early Execution Stage and Proposed GIS New Patan Substation is Under Tender Stage. Hence we Request you to please Confirm that "If the line cannot be charged due to some unavoidable reasons that are not attributed to the bidder/vendor, the final payment shall be released against submission of BG of equivalent amount".	
52	GENERAL	PAYMENT RETENSION DUE TO UNAVOIDABLE REASONS.		Yes both are required.
53	GENERAL	DAS AND DTS SYSTEM	Please Confirm that Both DTS and DAS Systems are Required by You and Bidder Has to Quote the Combined Price for Both in LumsSum @ S.No-1(ii) in BOQ Schedule No 1.	All statutory clearance shall be obtained by the Employer with support and coordination from the Contractor. Money to be deposited (charge, guarantee etc..) shall be as per prevailing rules of relevant Road Department Office/Municipality prior road cutting. The charges deposited by the contractor shall be reimbursed by NEA after completing the work for which charge was deposited.
54	GENERAL	ROW & STATUTORY CHARGES	Request you to please Confirm that All the Statutory Clearances/Approvals/ROW's will be Borne by NEA Directly. In Case it is Paid by the Bidder Same shall be Reimbursed to Bidder by NEA as per Actual without any Financial Implications on the Bidder.	It shall be provided in mail to the prospective bidders who have purchased the bid.
	GENERAL	ROUTE SURVEY REPORT	Request you to kindly provide the Topography Route Survey Report for our better understanding of the said work.	





55			In Reference to the Enclosed Drawing, Request you to please clarify the following(A) The Upper Most Cable is located just 900mm from the Ground Level which is Not recommended. Generally the Cables need to Buried at least 1.2 to 1.5 Meter from Ground Level. Hence Please review and Comment. (B) Please clarify that Sand Filling indicated is River Sand or any Other Sand. (C) The Current Formation shown in Drawing is Flat Formation with Cables Stacked one above the other which in Not Practically Feasible to Maintain as per Site Condition. Hence we Request you to Please review this Arrangement and Comment Accordingly.(D) Also the Entire Cables are Encased in HDPE Pipes as Shown in Drawing and as per BOQ. We Recommend to use HDPE Pipes only wherever there is Any kind of Cable Crossing or Extra Heavy Traffic Movement and Not the Entire Portion. Please clarify and amend accordingly.	A)due to site constraints the configuration of cable formation and depth might be changed during DDE for smooth execution. B)Sand with higher thermal conductivity like eg fine sand shall be used for backfilling. C) However, due to site constraints the configuration of cable formation and depth might be changed during DDE for smooth execution and current carrying capacity shall be calculated as per actual laying condition at site. D) Please quote as per BPS. It shall be decided during DDE.
56	Volume -II OF III	ANNEXURE 1-DRAWINGS-CABLE LAYING LAYOUT-Pg 264/267.		As per BoQ
57	Volume -III OF III	Price Schedule- Schedule No. 1: Plant and Equipment including Mandatory Spares to be supplied from abroad. Part-A : EMPLOYER ASSESSED QUANTITIES, Item No -1 (iv) .(v) & 2.0.	As per our Understanding, the Quantities of GIS Terminations, AIS Terminations & Surge Arrestors should be 7 Nos instead of Mentioned 6 Nos. Please Clarify.	
58	Volume -III OF III	Price Schedule- Schedule No. 4 : Installation and Other Services, PART-C: Civil Works (As per technical specification), S.No-12.0 Pile Foundation	As per the Activity Description, Pile Cap Item is not Covered in the Scope. Please Clarify how to bill the Same. Also Since Bore Piling is a Specific and Special Activity, Kindly share the Drawing with technical Specification of the same.	As design is in the scope of the Contractor, it shall be quoted accordingly as per available BPS item. Payment for the pile cap shall be done according to the respective items of BPS for eg concreting and reinforcement.
	GENERAL	DUE DATE EXTENSION	Request you to please Extend the Due Date of tender Submission by at least 2-3 Weeks from Current Due Date.	It will be as per bid document. If there is amendment, it will be informed to all bidders through NEA website.

