

NEPAL ELECTRICITY AUTHORITY
Project Management Directorate
Kohalpur Nepalgunj 132 kV Transmission Line Project

Minutes of Pre-Bid Meeting

For

OCB No.: PMD/EGMPAF/KNTLP-079/80 – 01

Design, Supply, Installation, Testing and Commissioning of Transmission Line from Kohalpur to Nepalgunj (Janaki Rural Municipality) and Associated 132/33/11 kV Air Insulated Substation (AIS) at Bakaspur, Janaki Rural Municipality, Banke District (Package A-3)

Date: 11th September, 2022

Venue: Project Management Directorate, Matatirtha, Kathmandu

Subject: Tender No.: PMD/EGMPAF/KNTLP-079/80-01

Participants from the Purchaser

Name	Designation	Organization
Mr. Ranjan Raj Gurung	Project Manager	NEA
Mr. Utsav Thapa	Engineer (Civil)	NEA
Mr. Ramesh Kandel	Account Officer	NEA
Mr. NabRaj Bhatta	Admin Officer	NEA

Participants from Bidders

Representative	Designation	Company Name
Mr. Vishnu Narayan	Sr. Manager	Mohan Energy Corporation Pvt. Ltd.
Mr. Laxman Kumar Amanaganti	Sr. Engineer	KEC INTERNATIONAL LTD.
Mrs. Kriti Maharjan	Manager	KEC INTERNATIONAL LTD.
Mr. Sandip Roy	Head	SKEIRON
Mr. Amit Kumar Pathak	Asst. Manager	RS. Infra

1. A pre-bid Meeting for **Design, Supply, Installation, Testing and Commissioning of Transmission Line from Kohalpur to Nepalgunj (Janaki Rural Municipality) and Associated 132/33/11 kV Air Insulated Substation (AIS) at Bakaspur, Janaki Rural Municipality, Banke District (Package A-3)** was held under the chairmanship of Mr. Ranjan Raj Gurung, Project Manager, NEA welcomed the participants and apprised them about the project.
2. Some of the specific queries raised by the Potential Bidders during the meeting and their responses from the Client (NEA) are given in the Table below:



PRE - BID QUERIES

Design, Supply, Installation, Testing and Commissioning of Transmission Line from Kohalpur to Nepalgunj (Janaki Rural Municipality) and Associated 132/33/11 kV Air Insulated Substation (AIS) at Bakaspur, Janaki Rural Municipality, Banke District (Package A-3)

S.NO	Volume	SECTION/CLAUSE NO.	CLAUSE DESCRIPTION	COMMENT/QUESTION OF BIDDER	NEA REPLY
1	Volume - 1	Section - 3, Clause 2.4 Bidder's experience	To substantiate the above qualification, the Bidder must submit certificate (notarized) from clients (end-user certificates) for all number of projects. The bidder is required to submit the notarized translation of the copy, if the document submitted is in language other than bidding language	We understand that, EPC contractor need to submit notarized copy of end used certificates as asked on clause 2.4.1 and 2.4.2 only. Please confirm if our understanding is correct.	Please note that every end user certificate submitted for substantiating the EQC should be notarized.
2	Volume - 1	Section - 3, 1.3.6 - Specific Additional Criteria	The following additional criteria will be used in the evaluation: Add any other relevant criteria to consider in bid evaluation, such as quality, responsiveness to socioeconomic or environmental objectives, sustainable procurement technical requirements that have been specified in Section 6, special security considerations at site, and Bidder's record of achieving the desired results based on experience and performance history. For each criteria, clearly specify the evaluation methodology, e.g. (i) any relevant requirement specified in Section 6 will be evaluated on a pass/fail (compliance basis), (ii) in addition to evaluating that requirement on a pass/fail (compliance basis) , if applicable, specify the monetary adjustments to be applied to bid process for comparison purposes on account of bids that exceed the specified minimum requirements, or (iii) if merit point scoring is applied in the evaluation, the criteria will be the one of the technical factors.	Section 6 provided along with tender is of ""change order" and does not speak about bid evaluation, such as quality, responsiveness to socioeconomic or environmental objectives, sustainable procurement technical requirements or pass/ fail criteria. Kindly clarify.	Section 6 explains not only change orders but other Employer's requirements such as Scope, Specifications, drawings, personnel requirements and equipment requirements etc. The details for section 6 is given in VOLUME II. Please refer accordingly.
3	Volume - 1	Section - 3, Clause 2.4.2 Bidder's experience	To substantiate the above qualification, the Bidder & all partners in JVA must submit certificate (notarized) from clients (end-user certificates) for all number of projects specified as above clearly indicating the Contract amount, project size, scope of work. The end user's certificates shall be on the end user's original letter head with valid address for correspondence and duly signed by the authorized personnel of the client (end user). The bidder is required to submit the notarized translation of the copy, if the document submitted is in language other than bidding language.	We understand that, EPC contractor need to submit translated notarized copy of end used certificates which are in language other than English. Please confirm if our understanding is correct.	End user certificate, if in English should also be notarized and if in another language, should be translated and notarized
4	Volume - 1	Section - 3, Clause 2.4.3 Specific Experience in Managing Environmental, Health and Safety Aspect	For the contracts in 2.4.1 and 2.4.2 above and/or other Contracts (substantially completed and under implementation) as prime contractor, Joint Venture Partner, or Subcontractor between 1st January <u>And Bid submission deadline, experience in managing ES risks and impacts in the following aspects:</u>	From this clause, we have following understanding : - a. Bidder need to demonstrate experience in managing ES (Environment & Safety). And this experience can be in any of ther EPC project of transmission line or substations, even if experience stipulated in 2.4.1 and 2.4.2 is not met, please confirm if our understanding is correct. b. <u>"And Bid submission deadline, experience in managing ES risks and impacts in the following aspects:"</u> No "aspect" has been mentioned in EQC clause 2.4.3. Kindly Clarify.	Please mention how the bidder managed ES risks and impacts during the execution of contracts that was mentioned to substantiate EQC clauses 2.4.1 and 2.4.2

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Design, Supply, Installation, Testing and Commissioning of Transmission Line from Kohalpur to Nepalgunj (Janaki Rural Municipality) and Associated 132/33/11 kV Air Insulated Substation (AIS) at Bakaspur, Janaki Rural Municipality, Banke District (Package A-3)

S.NO	Volume	SECTION/CLAUSE NO.	CLAUSE DESCRIPTION	COMMENT/QUESTION OF BIDDER	NEA REPLY
5	Volume - 1	Section - 3, Clause 2.4.6 Sub-contractors	For most of the major items to be supplied has asked for "Must have successfully completed the design, manufacture and supply of 132 kV or higher Voltage Class, power transformer of three phase 63 MVA or above capacity at least twice the bid quantity as a main supplier over last five (5) years period ending on the last date of bid submission and same shall have been in operation satisfactorily to the end users for at least Two (2) years as on the date of bid opening."	<p>a. It is to be point out that, supply of twice the bid quantity with in last 5 years is still possible to meet, however performance of 2 years within last 5 years for twice the bid quantity is extremely difficult to meet, as most of projects have got delayed due to COVID - 19 pandemic and completion period has shifted by at least 12-18 months. Hence we request you to please amend it to following:-</p> <p><u>"Must have successfully completed the design, manufacture and supply of 132 kV or higher Voltage Class, power transformer of three phase 63 MVA or above capacity at least twice the bid quantity as a main supplier over last five (5) years period ending on the last date of bid submission and same quantity shall have been in operation satisfactorily to the end users for at least Two (2) years within last 10 years as on the date of bid opening."</u></p> <p>b. Please confirm that performance certificate from end user twice the bid quantity within last 10 years is acceptable for following Items.</p> <p>Power Transformer, Circuit Breaker, Instrument Transformer, Communication Equipment, Disconnecting Switch, Lightning Arrester, Tower Parts, ACSR Conductor, OPGW.</p>	Please submit as mentioned in the bid document
6	Volume - 1	Section - 3, Clause 2.4.6 Sub-contractors	To substantiate the above qualification, the Bidder must submit scan copy of certificate (notarized) from clients (end-user certificates) for all number of projects. The end user's certificates shall be on the end user's original letter head with valid address for correspondence and duly signed by the authorized personnel of the client (end user). The bidder is required to submit the duly notarized translation of the copy, if the document submitted is in language other than bidding language.	We understand that, EPC contractor need to submit translated notarized copy of end user certificates which are in language other than English. Please confirm if our understanding is correct.	End user certificate, if in English should also be notarized and if in another language, should be translated and notarized
7	Volume - 1	Appendix - 1 - Price Adjustment, Clause 1.3	<p>The Base date for indices, for the purpose of price adjustment, shall be taken as 28 days prior to the deadline for submission of the Bid. For final date for indices, for price adjustment, the same will be governed by 60 days prior to the date of dispatch of different lot, which is committed by the Contractor for various plants in the bar chart (work Schedule) and approved & accepted by the employer at the time of signing of contract agreement.</p> <p>The date of adjustment shall be the midpoint of the period of manufacture or installation of the component or plant.</p>	Here para 1 & 2 are in contradiction to each other, where as per para 1, final date of indices for price adjustment is 60 days prior to date of dispatch, however, in para 2 date of adjustment will be midpoint of the period of manufacturer or installation of the component or plant. Please Clarify	Appendix 2: Price adjustment envisages date of adjustment during submission of bids, during contract agreement and during contract execution respectively.
8	Volume - 1	Appendix - 1 - Price Adjustment	Price Indices : M0, M1= LME price for Steel bar as applicable on the base date & on the date for adjustment respectively.	Price Indices : "M0, M1= LME price for Steel bar as applicable on the base date & on the date for adjustment respectively", in case of power transformer, ASCR conductor, Transmission line tower are to be refered from London Metal Exchang, however LME provides indices in case of TMT bars, which are different from steel being used in Tower, Transformer, and ACSR Conductor. Hence we request you to please refer indices from country of origin in case of steel. Please confirm.	Please refer indices from LME only.

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S.NO	Volume	SECTION/CLAUSE NO.	CLAUSE DESCRIPTION	COMMENT/QUESTION OF BIDDER	NEA REPLY
9	Volume - 2A	Chapter - 1, Clause 1.1.2.1	Employer shall provide structural drawings, shop drawings (if required) & Bill of Materials of all type of transmission line towers and its extensions, river crossing towers/special towers as required to the Successful Contractor after placement of award, in sequence, suiting the project requirement. However, design drawings for all type of foundations for the towers shall be designed by the Contractor and submit to Employer for approval.	<p>We have following clarification in this regard :</p> <p>1. NEA has provided some of multicircuit tower design & BOM along with the bid document, please confirm if bidder can refer given drawings to calculate weight of towers and quote accordingly. Please confirm.</p> <p>2. NEA has not provided tower and foundation design of tpwer type QB & QC. Please clarify.</p> <p>3. NEA has also provided foundation drawings and design, however, in clause 1.1.2.1 of volume 2, NEA has asked contract to design the foundation, which are contradictory to each other. Please clarify.</p>	Contractor needs to design those towers only which are not mentioned in the bid. Please refer design services, Schedule 3a, Volume III
10	Volume - 2A	Chapter - 2 - Scope of Works	The scope of works covering design, engineering, procurement, inspection & testing at manufacturer's works, supply, insurance, receipt at site, storage and preservation at site, site transportation, construction, erection, commissioning, trial operation, handing over to Employer, guarantee all equipment, spares and material, catalogues, drawings, documents and services including lubricants, transformer oil, consumables for the proposed 132 kV Double Circuit Transmission Line from Kohalpur to Nepalgunj inclusive of all mechanical, electrical and civil, structural & architectural works on basis of single point responsibility.	This clause in contradiction with "Chapter - 1, Clause 1.1.2.1". Here employed has kept design in scope of contractor, please clarify, which one is correct.	Please refer design services, Schedule 3a, Volume III
11	Volume - 2A	Chapter -6 - Line Conductor		Please confirm, if conductor & OPGW will be paid according to inclined distance and not the horizontal distance.	Please refer schedule I, Volume III of the bidding document
12	Volume - 2B	Chpater - 1, Clause 15 & Clause 16	<p>Service Level Agreement : After the successful commissioning of the entire project, the contractor shall provide the support services which shall include maintenance of the system installed under the project for a period of 3 (three) years from the date of issuance of operational acceptance of the project. After the successful commissioning of the entire project, the contractor shall provide the support services which shall include maintenance of the system installed under the project for a period of 3 (three) years from the date of issuance of operational acceptance of the project.</p> <p>And</p> <p>The Contractor's liability shall be limited to adjusting, repairing, or replacing the defective article(s) and providing technical support and direction in the correction of the Work. In case of replacement of the equipment on or after 2 year a new warranty period shall apply, such new warranty period shall expire on the date 12 months from the date of such replacement, repair, or modification.</p>	<p>We understand, service level agreement is for 3 years with 24x7 support. Please confirm.</p> <p>Also we understand that, once defect liability (inclusive of extended defect liability) period is completed, contractor will only be responsible for replacement of item and supply cost will not be in scope of contractor.</p>	Please refer the bid document as mentioned clearly there
13				<p>Kindly confirm below points,</p> <p>1)Short Circuit rating of Copper Screen for MV Cables.</p> <p>2)Galvanized Steel Tape or Galvanized Round Wire Armour, which one we will be considered.</p>	Please refer as per standard.
14	Volume - 2A	Chapter-4 Clause 4.12.3	The Contractor shall install Aerial Marker Balls along the length of OPGW to act as a visual warning so low flying aircraft don't run into them in the vicinity of airports or aviation route as required. The size of such aerial balls shall not be less than 91 cm.	As the availability of Aerial Marker Balls have in market is of 60 cm and same has been used in various project in nepal. Kindly change it from 91 cm to 60 cm.	please submit as per specification

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Design, Supply, Installation, Testing and Commissioning of Transmission Line from Kohalpur to Nepalgunj (Janaki Rural Municipality) and Associated 132/33/11 kV Air Insulated Substation (AIS) at Bakaspur, Janaki Rural Municipality, Banke District (Package A-3)

S.NO	Volume	SECTION/CLAUSE NO.	CLAUSE DESCRIPTION	COMMENT/QUESTION OF BIDDER	NEA REPLY
15	Volume - 2B	Chapter-7 Clause-8		There are some missing information as below. -CLPX value of 145kV CTs -Primary current for 33kV CTs -Creepage distance	Please refer as per standard.
16	Volume-III	Schedule No-1B, 1.2.5	Billing Price Schedule	As per price schedule description, 9nos of Circuit breaker mentioned, where as in quantity 8nos shown. Please confirm the quantity.	The quantity is 8 nos.
17	Volume-III	Schedule No-1B, 1.3.8	Billing Price Schedule	As per price schedule description, 9nos of Isolator mentioned, where as in quantity 8nos shown. Please confirm the quantity.	The quantity is 8 nos.
18	Volume-III	Schedule No-1B, 1.5.3	Billing Price Schedule	As per price schedule description, 18nos of Lightning Arrestor mentioned, where as in SLD 24nos shown. Please confirm the quantity.	Please refer price schedule
19	Volume-III	Schedule No-1B, 1.10.5	Billing Price Schedule	As per price schedule description, 110V DCDB considered, where as in DC SLD 220V DC shown. Kindly share the 110V DC SLD.	Please refer price schedule
20	Volume-III	Schedule No-1B, 1.3	Billing Price Schedule	As per GTP, 145kV earth switch shall be Manual operated. But as per Specification the 145kV earth switch Motor operated. Please confirm whether GTP or Specification to be followed.	Please refer specification
21	Volume-III	Schedule No-1B, 1.3	Billing Price Schedule	As per GTP, 36kV Disconnecter Motor operated. But as per Specification 36kV Disconnecter manual operated. Please confirm whether GTP or Specification to be followed.	Please refer specification
22	Volume-III	Schedule No-1B, 1.12	Billing Price Schedule	Kindly provide the battery and Charger Current rating for 132/33/11kV Bakaspur AIS Substation and also provide the details of Inverter & its Rating.	Please refer price schedule. Contractor has to arrange accordingly
23	Volume-II (B)	Chapter-15, Clause-26	132kV Bus bar Protection	Please provide the Bus bar protection scheme (Centralized/Decentralised) for 132kV Bus bar.	Please offer as per requirement
24	Volume-II (B)	Switchyard Erection	General	We understand that Main earthmat shall be considered only for present scope of bays. Please confirm.	Confirmed
25	Volume-II (B)	Annexure-I, List of Drawing	Control Room Building	We understand that the Control room Building for 132/33/11kV Bakaspur AIS Substation is of Single Storey Building. Please confirm the same.	Confirmed
26	Volume-II_B	General Layout	Overall Plotplan	Kindly provide the plot area dimensions to calculate the overall grading area	It will be finalised during detail design
27	Volume-II_B	General Layout	Overall Plotplan	Kindly provide the parking area dimensions	It will be finalised during detail design
28	Volume-II_B	General Layout	Overall Plotplan	Kindly provide the location of Staff Quarters B-Type	It will be finalised during detail design
29	Volume-II_B	General Layout	Overall Plotplan	Kindly provide the location of Staff Quarters C-Type	It will be finalised during detail design
30	Volume-II_B	General Layout	Overall Plotplan	Kindly provide the location of Store Building	It will be finalised during detail design
31	Volume-II_B	General Layout	Overall Plotplan	Kindly provide the location of Fire Fighting Pump House & Water tank	It will be finalised during detail design
32	Volume-II_B	General Layout	Overall Plotplan	Kindly provide the location of Dead End Tower to estimate the conductor quantity	It will be finalised during detail design
33	Volume-II_B	General Layout	Overall Plotplan	Can we shift the Control Room Building next to 33kV Switchyard to optimize the Power and control quantity. Please suggest.	It will be finalised during detail design
34	Volume-II (B)	General	-	Soil resistivity value is not provided for earthmat sizing calculation. Kindly furnish the same for doing the earthing design calculations. Also please provide the Grid spacing of main earthmat.	It is under contractor's scope
35	Volume-II (B)	General	-	We understand that there is no need of Trasformer Monitoring System and DGA for 132/33kV Transformer. Please confirm that our understanding is correct.	Please refer schedule 1B, 1.14.1
36	Volume-II (B)	General	-	We understand that 11kV protection and control devices shall be mounted inrespective switchgear of each 11kV bay. Separate Protection/Control Panel is not envisaged for the same.	11 kV protection and control devices is mounted in the panel containing the VCB.
37	Volume-II (B)	General	Remote Integration	Please note that we are not considering any remote end as well as SLDC/RLDC/NLDC augmentation/modification scope in present scope for complete substation package. Please confirm.	Please refer 4B(a), 1.9
38	Volume-II (B)	General	Remote Communication	Please note that we are not considering any communication panel/integration for SLDC/RLDC/NLDC in present scope for complete substation package. Please confirm.	Please refer 4B(a), 1.10
39	Volume-II (B)	General	Remote CRP Panels	Please note that we are not considering any protection and control relay panels for remote end line bays connected to our present scope bays. Please confirm.	Integration with remote end line bays required.

3. Mr. Ranjan Raj Gurung, Project Manager, thanked the prospective bidders for their active participation. The meeting was concluded at 2:00PM. The participants were informed that the Minutes of the Pre-bid Meeting will be posted on the NEA website and sent by email to potential bidders.