



KERALA STATE ELECTRICITY BOARD LIMITED

CIN: U40100KL2011SGC027424

O/o the Chief Engineer, TransGrid, Vydyuthi Bhavanam, Kallipadam P.O, Shoranur – 679122

Ph.: 9496002447, Email: transgridkseb@gmail.com

BID No. CE/TransGrid/09/2023-24 dated 11/03/2024

Corrigendum 1 to Tender documents dtd. 27/03/2024

SI No	Clause & Page No	Existing Clause	Bidder's Query	Clarification from KSEBL
1	Clause 10, Eligibility and Qualifications of Intended Prospective Bidder. Page No. 30, VOLUME I – Qualification, Bidding Procedures and General Conditions of Contract	a) In case a bid is submitted by a Joint Venture (JV) of two or more firms as partners, all the partners of Joint Venture shall meet collectively the complete requirements stipulated. Further, the partner(s) of JV must also meet the following minimum criteria: i. Net Worth of all the partners of the JV for last 3 financial	How many partners can participate in a Consortium or Joint Venture to meet the tender's qualification criteria?	There isn't a strict cap on the number of partners allowed in a joint venture. However, it's advisable to minimize the number to prevent potential complications.

		<p>years should be positive.</p> <p>ii. The Lead Partner shall meet, not less than 40% of the minimum Financial criteria.</p> <p>iii. Each of the other partner(s) individually shall meet not less than 25% of the minimum Financial criteria. The figure of average annual turnover and liquid assets/credit facilities for each of the partners of the JV shall be added together to determine the JV's compliance with the minimum qualifying criteria.</p>		
2	Clause 10, Eligibility and Qualifications of Intended Prospective	<p>Installation Experience:</p> <p>(ii)The bidder shall be an EPC Company</p>	<p>Proposed Change:</p> <p>Installation Experience:</p>	Not acceptable

<p>Bidder. Page No. 28, VOLUME I – Qualification, Bidding Procedures and General Conditions of Contract</p>	<p>or a Transmission system developer, having experience of installation, erection, testing & commissioning of (Experience of items like Power Transformer/Circuit Breaker or Power Transformer/GIS and Relay & Control Panels/SAS as per the items mentioned in the EOI for substation documents is compulsory) 5 Nos of 220kV or 400kV or above GIS Substations in India in last five years and out of which 2 Nos of GIS shall be in satisfactory operation in any of the utilities in India</p>	<p>(ii)The bidder shall be an EPC Company or a Transmission system developer, having experience of installation, erection, testing & commissioning of (Experience of items like Power Transformer/Circuit Breaker or Power Transformer/GIS and Relay & Control Panels/SAS as per the items mentioned in the EOI for substation documents is compulsory) 5 Nos of 220kV or 400kV or above GIS Substations in India in last five years and out of which 2 Nos of GIS shall be in Satisfactory Commissioning and under Operation in any of the utilities in India for last two years on the date of Technical Bid opening. The bidder should have supplied any of the items mentioned in Clause I & III in all these five (5) substations they have installed.</p>	
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		for last two years on the date of Technical Bid opening. The bidder should have supplied any of the items mentioned in Clause I & III in all these five (5) substations they have installed.		
3	ARTICLE II – PAYMENT, Sample Form D - Contract Agreement Format, Page No. 66, Volume I – Qualification, Bidding Procedures and General Conditions of Contract.	<p>Payment Terms:</p> <p>An amount of ad-hoc payment not less than 75% of the net amount of the bill under check, shall be made within 30 working days of submission of the bill. The remaining payment is also to be made after final checking of the bill within 90 working days of submission of bill by the</p>	Kindly furnish comprehensive payment terms, incorporating the General Conditions of Contract (GCC) pertinent to the tender under consideration.	<p>Sample Form D- Contract Agreement is just sample agreement given for reference. The bidders are requested to go through the specific provision of the contract for better clarity and understanding.</p> <p>Major Payment terms are outlined below for your reference..</p> <ol style="list-style-type: none"> 1. <u>Mobilization Advance:</u> Mobilization advances not exceeding 10% of the tendered value may be released to the contractor. Such advance bear simple interest at the rate of 8 percent per annum. Please refer clause 10B (ii) of CPWD GCC for further details. 2. <u>Secured Advance on Materials:</u> The contractor shall be entitled to be paid up to 50% of the assessed value of any materials, which have been brought on the site in connection therewith and are adequately stored and/or protected. When materials on account of which

		<p>contractor.</p> <p>All other payment conditions as per GCC</p>		<p>an advance has been made under this sub-clause are incorporated in the work, the amount of such advance shall be recovered/deducted from the next payment made under any of the clause or clauses of this contract. Please refer clause 10B (i) of CPWD GCC & Specific Provision in Vol. 1 for further details.</p> <p>3. Price Adjustment Works: If the prices of materials and/or wages of labour required for execution of the work increase, the contractor shall be compensated for such increase as per provisions detailed in Section 10 CC of CPWD GCC. Additionally, Price adjustment shall be worked out based on IEEMA formula for following materials:</p> <ul style="list-style-type: none"> • Yard Structures • EHV Cables • Power Transformers • Reactors <p>Please refer clause 10B (i) of CPWD GCC & 'Specific Provision' in Vol. 1 for further details.</p> <p>4. Payment on intermediate certificate: An amount of ad-hoc payment not less than 75% of the net amount of the bill under check, shall be made within 30 working days of submission of the bill. The remaining payment is also to be made after final checking of the bill within 90 working days of submission of bill by the contractor.</p>
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				Please refer clause 7 of CPWD GCC & 'Specific Provision' in Vol. 1 for further details.
4	ARTICLE II – PAYMENT, Sample Form D - Contract Agreement Format, Page No. 125, Volume I – Qualification, Bidding Procedures and General Conditions of Contract.	<p>Mobilization Advance</p> <p>An Interest bearing Mobilization advances not exceeding 10% of the tendered value may be given, if requested by the contractor in writing within six months of the order to commence the work. Such advance shall be released in two or more installments to be determined by the Engineer-in-Charge at his sole discretion.</p>	We kindly request a 10% interest-free mobilization advance to be paid within 10 days from the date of receipt of the Letter of Intent (LOI).	<p>As per the Central Vigilance Commission's directive, interest-free Mobilization Advance cannot be allowed.</p> <p>Sample Form D- Contract Agreement is just sample agreement given for reference. The bidders are requested to go through the specific provision of the contract for better clarity and understanding.</p>

5	Price schedule / Bill Of Quantity	BOQ in Excel format	We request you to provide us BOQ in excel format	BOM is shared via the link provided below https://docs.google.com/spreadsheets/d/1fld2iEN51iQ67znKzldiuL0CAFhC3RI2/edit?usp=sharing&ouid=100120398094095126630&rtpof=true&sd=true 
6	General	Recovery of Security Deposit	Kindly clarify the mode of release of security deposit	Please refer clause 7 of CPWD GCC & 'Specific Provision' in Vol. 1 for further details.
7	General	Order of precedence	We request you clarify the order of precedence, which is to be followed.	The same sequence of documents listed under the heading 'The following documents also form part of the contract', Proforma of Schedules, Section 6 of Vol.1, can be utilized as 'Order of precedence'.
8	General	Drawings	We request you to provide us all the relevant drawings for subject tender.	Available Soil test reports, GAD, SLD, Contour map etc. of Agali and Mannarkad Substations are shared via link below https://drive.google.com/file/d/1u1oblvV4LVYdS-ikRJGhhMcvxxOCNzQ3/view?usp=sharing
9	General	Architectural Plan	Kindly provide Architectural Plan in AutoCAD /PDF & Location Plan /Site Layout.	
10	General	Soil Investigation Report	Kindly provide Soil Investigation Report .	

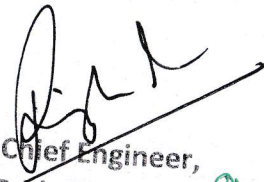




11	Clause No. 17 Site Visit, Page No. 125, Volume I Qualification, Bidding Procedures and General Conditions of Contract.	The Bidder is advised to visit and examine the sites of works and their surroundings and obtain for himself on his own responsibility and at his own risk/cost all information that may be necessary for preparing the Qualification Document and Bid and entering into a contract for the work. The costs of visiting the sites shall be at the bidder's own expense.	Please confirm site visit protocol and contact details of concerned official?	Contact details of concerned official: Sri. Gokul G, Assistant Engineer, TransGrid TC Subdivision, Mannarkad, KSEBL- - Ph. No.9496012250
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12	Sl. No. 15, Annexure – A, Standard Technical Particulars / Parameters, Chapter – 4A- Vol.2- Technical Specification.	<p><u>15 Losses</u></p> <p>15.1 No load losses in kW – Maximum no load loss at rated condition allowed without any positive tolerance shall be 40 kW.</p> <p>15.2 Load loss at principal tap- Maximum load loss at rated condition @ 75°C and principal tap allowed without any positive tolerance shall be 285 kW</p> <p>15.3 Auxiliary losses- Maximum guaranteed auxiliary losses at rated voltage and frequency of aux.</p>	Nil	<p>The Losses given in the Sl. No. 15, Annexure – A, Standard Technical Particulars / Parameters, Chapter – 4A -220/110kV 100 MVA THREE PHASE AUTO TRANSFORMERS- Vol.2- Technical Specification are amended as below.</p> <table border="1" data-bbox="1182 448 1951 1070"> <tr> <td>15</td> <td>Losses</td> <td></td> </tr> <tr> <td>15.1</td> <td>No load losses in kW</td> <td>Maximum no load loss at rated condition allowed without any positive tolerance shall be 26 kW</td> </tr> <tr> <td>15.2</td> <td>Load loss at principal tap</td> <td>Maximum load loss at rated condition @ 75°C and principal tap allowed without any positive tolerance shall be 140 kW</td> </tr> <tr> <td>15.3</td> <td>Auxiliary losses</td> <td>Maximum guaranteed auxiliary losses at rated voltage and frequency of aux. supply shall be 6 kW.</td> </tr> <tr> <td>15.4</td> <td>I2R Losses</td> <td>Maximum guaranteed I2R losse at 75°C for HV and LV Windings, at Principal Tap position shall be 115 kW.</td> </tr> </table>	15	Losses		15.1	No load losses in kW	Maximum no load loss at rated condition allowed without any positive tolerance shall be 26 kW	15.2	Load loss at principal tap	Maximum load loss at rated condition @ 75°C and principal tap allowed without any positive tolerance shall be 140 kW	15.3	Auxiliary losses	Maximum guaranteed auxiliary losses at rated voltage and frequency of aux. supply shall be 6 kW.	15.4	I2R Losses	Maximum guaranteed I2R losse at 75°C for HV and LV Windings, at Principal Tap position shall be 115 kW.
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		supply shall be 9kW.		
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Encl:

1. Minutes of the Pre-Bid Meeting held on 21/03/2024


Chief Engineer,
TransGrid, Shoranur 
  



KERALA STATE ELECTRICITY BOARD LIMITED

CIN: U40100KL2011SGC027424

O/o the Chief Engineer, TransGrid,

Vydyuthi Bhavanam, Kallipadam P.O, Shoranur – 679122

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Minutes of Pre Bid Meeting held online on 21.03.2024 at 11:00 am on Google Meet Platform for Substation Components under Attapady Green Energy Corridor Project (AGC)- GIS#6 - Construction of 220 kV GIS Substation and associated works at Mannarkad & Agali, Palakkad District, Kerala and GIS #7-Construction of 220/110 kV GIS Substation and associated works at Thuravoor, Alappuzha District, Kerala under TransGrid 2.0

BID No. CE/TransGrid/08/2023-24 dated 07/03/2024 & BID No. CE/TransGrid/09/2023-24 dated 11/03/2024

Participants from KSEBL:

1. Mr. Rajesh R, Chief Engineer, TransGrid, Shoranur
2. Mr. Suresh V, Deputy Chief Engineer, O/o CE, TransGrid, Shoranur
3. Mr. Prasad D, Executive Engineer(Ele), O/o CE, TransGrid, Shoranur
4. Mrs. Jaya V M, Assistant Executive Engineer(Ele), O/o CE, TransGrid, Shoranur
5. Mr. Joshy P, Assistant Executive Engineer(Ele), O/o CE, TransGrid, Shoranur
6. Mrs. Liji A M, Assistant Engineer(Ele) in charge, O/o CE, TransGrid, Shoranur
7. Mr. Ajeesh K A, Assistant Engineer (Ele), O/o CE, TransGrid, Shoranur.

Participants from Bidders

1. Mr. Utkarsh Singh, M/s Kalpataru Power Transmission Ltd. (online).
2. Mr. Jayati Saha, M/s Techno Engineering Pvt. Ltd. (online)
3. Ms. Susmita Mishra, M/s SMS India Pvt. Ltd. (online)
4. Mr. P K Srinivasan , M/s GE T&D India Limited . (online)
5. Mr. Kumaravel Sivasankaran, M/s GE T&D India Limited . (online)
6. Mr. Arun Rajendran, M/s. L&T, (online)
7. Mr. Neeraj Kummar Kakkar , M/s Siemens Limited. (online)
8. Mr. Sivaram Ramaswamy, M/s Siemens Limited. (online)
9. Mr. Srikanth Sri, Amara Raja Energy & Mobility Ltd(online)
10. Mr. Karthikeyan P, M/s. Hyosung T&D India Private Limited. (online)
11. Mr. Venkateswara P, M/s Transrail lighting Ltd. (online)

The meeting began at 11:00 am, with the Chief Engineer of TransGrid extending a warm welcome to all participants at the pre-bid meeting. Following this, participants introduced themselves. The Chief Engineer then delegated the session to the Deputy Chief Engineer to elaborate on the tender details.

The Deputy Chief Engineer initiated the session by giving a concise overview of TransGrid Schemes, focusing on past projects, received funding, and upcoming plans. He then clarified that the purpose of the pre-bid meeting is to discuss two separate tenders: the construction of 220kV Substations in Mannarkkad & Agali, and the construction of a 220kV Substation in Thuravoor. Mannarkkad and Agali substations are part of the substation component of AGC, which is under the Green Energy Corridor-II Scheme with grant from MNRE and co-financed by KfW. The funding for the Thuravoor 220kV Substation is envisaged under KSEBL's own fund, with the possibility of receiving funding from M/s REC Ltd.

A presentation was then conducted, providing an overview of the two tenders and familiarizing participants with the projects and their scope. It was emphasized that there are no land issues associated with the proposed substations; Mannarkkad & Agali substations are planned on land owned by KSEBL, while Thuravoor substation is proposed in the land purchased from the Kerala Water Authority. The Deputy Chief Engineer proceeded to outline the revised payment terms and conditions, which included mobilization advance up to 10%, 50% secured advance upon material supply, reduced general guarantee period of 3 years, and extended guarantees for major equipment such as Transformers and GIS equipment for 5 years. Additionally, Price adjustments for labor and material costs, aimed at ensuring a favorable outcome for the successful bidder is provided. The eligibility criteria for Joint Venture was also explained. Bidders were encouraged to visit the locations for better insights before submitting their bids and agreed to share contact details of officers concerned along with GPS Coordinates of the substation location.

Following the presentation, the Deputy Chief Engineer invited bidders to raise any queries or concerns they might have.

Following Queries were raised by bidders

Sl. No	Query	Reply by KSEBL
1	Are the payment terms and conditions the same for both tenders?	Yes, they are identical.
2	Requested 100% payment on supply for materials.	Payment will be 50% on material supply as per the tender conditions.

3	Mobilization Advance is not interest bearing in Tamil Nadu	As per the Central Vigilance Commission's directive, interest-free Mobilization Advance cannot be allowed.
4	Requested to share the Bill of Quantity.	Agreed to share the Bill of Quantities.
5	Can we have relaxation in Payment Terms, releasing 80% of material cost after dispatch?	Noted, but further relaxation cannot be provided in this tender.
6	Interest free Mobilisation Advance, Liquidated damage, Arbitration etc. are not in line with Kfw funded projects.	Tender Documents are already vetted by Kfw.
7	Requested to share the Soil Investigation reports.	Agreed, the Soil reports will be shared.
8	Do empaneled bidders need to resubmit qualification documents?	Since it's an open tender, resubmission of qualification documents is required.
9	Is the funding agency finalized for Thuravoor?	M/s REC has approved the Thuravoor proposal, and funding approval is expected from them.
10	Requested the relaxation for Payment Terms.	Noted, but further relaxation cannot be provided in this tender.
11	What is the rate of interest and number of installments for Mobilization Advance?	Simple interest at the rate of 8% per annum is applicable on mobilization Advance. Mobilization Advance shall be released in two or more installments against separate BG
12	What about the Variation of Estimated Quantities and Extra items?	The quantities are arrived based on the learnings from already commissioned projects and KSEBL is not expecting any major variation from the assessed quantity.
13	Additional time needed for preparing Prebid queries.	Bidder is requested to provide a written request in this regard.
14	Can we have contact details of MSTC personnel?	Contact details are provided in Annexure-1 of Vol. 1 of the Tender Document.

Additionally, it was conveyed that any clarifications or inquiries regarding the bidding should be sought through email.

The meeting concluded at 11.50 am, with the Chief Engineer, TransGrid thanking all participants for their active participation.


Chief Engineer,
TransGrid, Shoranur


Endt. on No. DB 11/CE/TransGrid/ AGC/Pre Bid Meting /2023-24/ 1594 /26 .03.2024

Copy to: All Participants

Copy Submitted to:

1. KfW
2. The Director (Transmission, System Operation & Planning), Thiruvananthapuram