

KARNATAKA SOLAR POWER DEVELOPMENT CORPORATION LIMITED

ಕರ್ನಾಟಕ ಸೌರ ವಿದ್ಯುತ್ ಅಭಿವೃದ್ಧಿ ನಿಗಮ ನಿಯಮಿತ

Replies against Queries sought by prospective bidders in respect of bid enquiry no. KSPDCL/SP/F-29/2015-16/02 dated 09-12-2015 for establishing 8 nos. of 220/66kV stations along with connected transmission lines for evacuating power from 2000MW Pavagada Solar Park.		
	Query sought	KSPDCL Reply
	Many of the Bidders requested clarity on Vol 1- Commercial requirements vis-a-vis Vol II and Vol III	Modified Vol 1- Commercial requirements along with Vol II and Vol III including all amendment/corrigenda are being uploaded along with these queries to have more clarity. Bidders are requested to upload Vol III Techno-commercial sheets and price sheets which are hosted along with these queries duly ignoring the price sheets and techno-commercial sheets previously hosted.
	Please inform whether Employer issues concessional Form C for the materials being bought outside from Karnataka	Clause PC14.3, Section VIII, particular conditions page 3-97 states that "Employer will give only necessary certificates in terms of such notifications as per information given by the bidder in declaration form". Modified Vol 1- Commercial

		requirements has been uploaded.
A3	<p>Isolators in BOQ Sheet in Price Sheets 66kV Isolator Quantity is missing</p> <p>We presume that 66kV Isolator description (II) is missing and are listed under 110kV Isolators (I). We presume that first four S.No. (1 to 4) under Item No.(I) is for 220kV Isolators and next four S.No. (1 to 4) under Item No.(II) is for 66kV Isolators. Also kindly provide us the mounting height of under hung isolator (12 Nos, last item in Isolator BOQ).Kindly confirm</p>	<p>Corrigendum has been issued to that effect on 21-01-2016.</p> <p>Corrigendum has been issued to that effect on 21-01-2016.</p> <p>Modified price sheets and techno commercial sheets uploaded vide Vol III</p>
	<p>TL BOQ Sheets In Price Sheets In the absence of route survey, per km rates are given by you for Transmission Line We would like to inform you that there is no provision to enter our value against your requirement. Hence we request you to revise the sheet to quote our rates and also request you to kindly inform about the way of Billing the same to you during execution</p>	<p>BOQ Sheets for techno commercial opening for Lot 1 has been uploaded in corrigendum on 21-01-2016 as Annexure 13.</p> <p>BOQ Sheets for cost opening for Lot 1 has been uploaded in corrigendum on 21-01-2016 as Annexure 14.</p> <p>BOQ Sheets for techno commercial opening for Lot 2 has been uploaded in corrigendum on 21-01-2016 as Annexure 15.</p> <p>BOQ Sheets for cost opening for Lot 2 has been uploaded in corrigendum on 21-01-2016 as Annexure 16.</p> <p>Modified price sheets and techno</p>

		commercial sheets uploaded vide Vol III.
	<p>BOQ Sheets in Price Sheets In Column 3a of all BOQ schedules, the quantities are mentioned for one Substation. We request your confirmation that we should quote for each Lot (Column 4a) by multiplying for the quantity in 3a by number of stations.</p>	<p>Suitable modification has been effected through corrigendum on 21-01-2016.</p> <p>Modified price sheets and techno commercial sheets uploaded vide Vol III.</p>
Schedule 21	<p>Materials sourced from Karnataka Please inform the necessity for this information. Also, what will be the impact, incase, we now identifies the items source outside Karnataka and during execution sourced at Karnataka.</p>	<p>In case of any statutory variation in taxes/duties/levies or if any tax/duty/levy is newly introduced by the Government applicable for this Contract with effect from the next day of the date of submission of the bid these variations/additional taxes/duties/levies will be to the account of the owner. In case the Bidders indicate lesser rates of taxes and duties with reference to the prevailing rates of taxes and duties at the time of bidding any variations in the taxes and duties would be paid/recovered keeping the rates of taxes and duties applicable as on the date of bid opening as the base and not the quoted rates of taxes and duties for payment/recovery of difference in the taxes and</p>

		<p>duties. If the Contractor is required to pay additional tax or duty, then the owner shall reimburse the Contractor the additional tax or duty so paid by the contractor against submission of documentary evidence to the satisfaction of the owner by the contractor. This provision will not be applicable to transaction between the contractor and his sub-suppliers, sub-contractors for raw materials, for 'bought out' items etc., and will be applicable only for the 'own/direct transactions' between the contractor and the owner for the materials supplied from his own manufacturing units and erection and civil works.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
Schedule 13	Optional Spares	
	Please inform whether this optional spares price shall be taken for evaluation.	Modified Vol 1- Commercial requirements has been uploaded.
Schedule 12	Type test charges: In case of availability of valid type test reports with OEMs, then we don't have to quote	Type tests conducted in the past 5 years are considered for supply

	type test charges. Please confirm.	in accordance with clause 13.3 and 13.4 of Vol IIA (2 of 3).
Schedule 4	Mandatory Spares: KSPDCL indicated the items / qty to be supplied in this price schedule. Hope, we need to consider the same qty for Lot I and Lot II.	<p>Same has been clarified in the corrigendum, wherein it is stated that one set will be considered while placing order for all the 8 stations under Lot 1 & Lot 2. However, for evaluation purpose the rates quoted by the prospective bidders shall be considered for all the 8 stations.</p> <p>Modified price sheets and techno commercial sheets uploaded vide Vol III.</p>
Schedule -2 (1 of 2)	As per Km rate is given by KSPDCL for Transmission line, please guide to fill in this schedule.	<p>BOQ Sheets for techno commercial opening for Lot 1 has been uploaded in corrigendum as Annexure 13.</p> <p>BOQ Sheets for cost opening for Lot 1 has been uploaded in corrigendum as Annexure 14.</p> <p>BOQ Sheets for techno commercial opening for Lot 2 has been uploaded in corrigendum as Annexure 15.</p> <p>BOQ Sheets for cost opening for Lot 2 has been uploaded in corrigendum as Annexure 16.</p>

		Modified price sheets and techno commercial sheets uploaded vide Vol III.
Schedule 3A(i), 3B(i), 3B(iii),	<p>Supply, Erection, Civil for Transmission line: In the absence of detailed survey, the approx cost for 220KV SC TL works out to Rs. 55 L / km and 1 Cr / Km for MC Line.</p> <p>Please confirm whether this rate includes Supply, Civil and erection works. Please inform the type of soil, No. of towers considered. In case, if our estimation varies from this rate, please inform the ways to indicate the difference. Also, please inform the method of evaluation.</p>	<p>BOQ Sheets for techno commercial opening for Lot 1 has been uploaded in corrigendum as Annexure 13.</p> <p>BOQ Sheets for cost opening for Lot 1 has been uploaded in corrigendum as Annexure 14.</p> <p>BOQ Sheets for techno commercial opening for Lot 2 has been uploaded in corrigendum as Annexure 15.</p> <p>BOQ Sheets for cost opening for Lot 2 has been uploaded in corrigendum as Annexure 16.</p> <p>Provisional tower schedule for transmission line is provided. Work is to be executed after availing approved tower schedule.</p> <p>Modified price sheets and techno commercial sheets uploaded vide Vol III.</p>
Schedule 3B(II)	Civil: KSPDCL indicates "Zero" qty per station for few items like Site levelling, Filling, Cable trench, Retaining	Details have been provided in the corrigendum uploaded,

	<p>wall etc., If so, please inform whether these items / scope are not required to be executed at 8 Substation locations. In case of requirement or to be executed, request you to provide contour drawing for 8 locations.</p>	<p>wherein provision for 4 stations in each lot has been made. Provisional design of switchyard layout is provided. Work is to be executed after availing approved drawings.</p> <p>Modified price sheets and techno commercial sheets uploaded vide Vol III.</p>
	<p>Price Schedule - Supply, Mandatory Spares: Format gives provision to give breakup for Ex-works, duties and taxes. Please inform whether for bought out items, duties & taxes to be included in Exworks price.</p>	<p>In case of any statutory variation in taxes/duties/levies or if any tax/duty/levy is newly introduced by the Government applicable for this Contract with effect from the next day of the date of submission of the bid these variations/additional taxes/duties/levies will be to the account of the owner. In case the Bidders indicate lesser rates of taxes and duties with reference to the prevailing rates of taxes and duties at the time of bidding any variations in the taxes and duties would be paid/recovered keeping the rates of taxes and duties applicable as on the date of bid opening as the base and not the quoted rates of taxes and duties for payment/recovery of difference in the taxes and duties. If the Contractor is</p>

		<p>required to pay additional tax or duty, then the owner shall reimburse the Contractor the additional tax or duty so paid by the contractor against submission of documentary evidence to the satisfaction of the owner by the contractor. This provision will not be applicable to transaction between the contractor and his sub-suppliers, sub-contractors for raw materials, for 'bought out' items etc., and will be applicable only for the 'own/direct transactions' between the contractor and the owner for the materials supplied from his own manufacturing units and erection and civil works.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
	<p>Price Schedule - Supply & Civil, Spares: KSPDCL furnished the items to be operated in this price schedule with quantity per station. We understand that the contract is on "Item rate basis". Please confirm.</p>	<p>Quantity / station need to be multiplied by 4 while indicating quantity for either of lots. The contract is on Lot wise basis</p> <p>Modified price sheets and techno commercial sheets uploaded vide Vol III.</p>

Vol IIA 1 of 3, page 12 of 14	Altitude up to 1500Mtr Please inform individual Substation wise altitude so that we consider the equipment accordingly, as the equipment price varies with Altitude above 1000 m from Mean Sea Level	For all the proposed 8 stations, the details provided in Vol IIA 1 of 3, page 12 of 14 are same.
Vol IIA 1 of 3, page 10 of 14	The contractor shall make his own arrangements for electrical power required for construction purposes as well as for its staff labour colony. We request KSPDCL to provide construction power at one point at each of the substation and the actual consumption charges shall be deducted in our bills.	Yes. Arranging construction power for each of the substation shall be the responsibility of the Contractor. KSPDCL shall not be responsible for arranging construction power.
Vol IIA 1 of 3, page 9 of 14	Soil Investigation Report if available may be obtained from the Chief Executive Officer, KSPDCL. Please provide us the Soil investigation report for the 8 Substation locations	Preliminary Geo Technical study in respect of location of each of the station is uploaded. However, the successful bidder needs to conduct geo-technical investigation before taking up of design of various structures.
GC, 42.1.1, page 69	The Employer may at any time terminate the Contract for any reason by giving the Contractor a notice of termination. We request you to include the clause as below:- The Employer after having mutual consent with contractor may at any time terminate the Contract for any reason by giving the Contractor a notice of	As the termination of the contract is effected for non performance of the obligations by the bidder, the request of the bidder for mutual consent cannot be considered. Modified Vol 1- Commercial

	termination.	requirements has been uploaded.
GC, 40, page 66	<p>We request you to include the following clause:- In case the Contractor's performance is delayed due to any default on the part of the owner/employer or their authorized agents, then Contractor shall be given due extension of time for the completion of the Works, to the extent such omission on the part of the owner/employer has caused delay in the Contractor's performance of the contract. Contractor shall be granted appropriate cost compensation along with time extension.</p>	<p>Since the contract is on total turn keybasis , it is the responsibility of the contractor for execution of the work in toto within the prescribed time frame. As such, no such eventualities as envisaged by bidder shall encounter while execution of the work.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
Appendix-6	<p>Scope of Works and Supply by the Employer All Equipment/Materials and personnel as described herein will be provided by the Purchaser in good time so as not to delay the performance of the Contractor, in accordance with the approved Time Schedule. Please provide us the schedule of handing over of site for the execution and also the status of ROW. Further, we request in case there is delay in handing over of site to the contractor then the contractor should be entitled to cost as well as Extension of time.</p>	<p>As the premises of station locations are within the solar park, the question of ROW does not arise. Tentative schedule of handing over of site: April 2016.</p> <p>It is proposed to hand over the site to bidder by April 2016. As such, no time overrun and cost overrun are envisaged.</p> <p>Modified Vol 1- Commercial</p>

		requirements has been uploaded.
Appendix-1	Terms and Procedures of Payment We hope the advance payment is interest free.	Ten percent (10%) of the amount as an advance payment shall be made by the employer against receipt of invoice, and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment shall be interest free.
ITB, Clause 7.2, page 1	Officer contact details We plan to visit the site and carry out walk out survey for the proposed lines. Please provide us the officer details to be contacted at site and TL preliminary survey reports. Please inform whether all 4 locations, land acquisition is completed.	Sri. Nagaraju, AGM(Field), 07899915814 KSPDCL, Bengaluru. Lease Agreements with the land owners are proposed to be completed by the time LOA is issued to the successful bidder.
4.ITB & BDS:	We request you to allow price variation since the project duration is 360 days for Lot I and 540 days for Lot II from the Effective Date.	The commissioning period for both the Lots is 12 months from the date of Letter of Award/ Letter of Intent (as applicable) including Monsoon period. Contract Price Adjustment: The Prices, only for the following items, quoted by the Bidder shall

		<p>be VARIABLE in accordance with the relevant IEEMA/CACMAI Price Variation Formula and Indices without ceiling during the contractual delivery period. Price Variation is not admissible for other Items. The base date applicable for Price Variation is the date of Tendering i.e., date of Techno-Commercial Bid Submission date as notified (either original or extended) as per IEEMA/ CACMAI Circulars:</p> <p>I Equipments / Materials :</p> <ol style="list-style-type: none">1) Power Transformers2) Circuit Breakers / Switchgears.3) Conductors & Ground Wires.4) Lightning Arresters.5) Transformer Oil.6) Tower Parts, equipment mounting/Station Structures.7) Control Cables.8) HT UG Cables9) Conductor Hardware.10) Battery & Battery Chargers.11) Instrument Transformers.12) Insulators
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		<p>II. In respect of above Electrical goods covered under works contract / procurement shall be in accordance with the relevant IEEMA / CACMAI Price Variation formulae and indices.</p> <p>III. In respect of Turnkey Projects involving Civil Works and Erection Portion shall be as per relevant Formulae as evolved by IEEMA. However, as far as admissibility of price variation towards erection and civil works is concerned, the same would be restricted to below appended activities only.</p> <ul style="list-style-type: none"> a) Concreting (With or without steel reinforcement) b) Steel reinforcement and structural steel. c) Any other civil works where rates are individually/ independently indicated for concreting (with or without reinforcement) and Steel reinforcement and structural steel. <p>The quoted Prices for all the remaining items shall remain fixed</p>
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		<p>during the Performance of the Contract and shall not be subject to variation on any account save for change in Quantity.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
ITB, Clause 2, page 5	Being a world bank funded project, please inform us the benefits available / to be considered for this bid. Also, please inform us the list of documents provided by Customer towards the same.	No benefits shall be accounted by the bidder while quoting the bid.
	It is requested to extend the Bid submission time for atleast 20 days from the present schedule date as there are continuous sankranti holidays. Suppliers expressed that they could not provide the offers on time for major materials. Hence, request for extension.	The bid submission date has already been extended to 10th Feb 2016. No more extension.
	In the File named' vol_i_ ncb_ supply_ and_ installation_ pavagada' of the bidding documents of the subjected tender, 'Section-ii Bid Data Sheet-Preparation of Bids' under sub clause 'ITB 17.7.The prices quoted by the Bidder shall be:Fixed' to be modified and Price adjustment provision shall be provided as per latest IEEMA indices	<p>Contract Price Adjustment:</p> <p>The Prices, only for the following items, quoted by the Bidder shall be VARIABLE in accordance with the relevant IEEMA/CACMAI Price Variation Formula and Indices without ceiling during the contractual delivery period. Price Variation is not admissible for other Items. The base date applicable for Price Variation is the date of Tendering i.e., date</p>

		<p>of Techno-Commercial Bid Submission date as notified (either original or extended) as per IEEMA/ CACMAI Circulars:</p> <p>I Equipments / Materials :</p> <ol style="list-style-type: none"> 1) Power Transformers 2) Circuit Breakers / Switchgears. 3) Conductors & Ground Wires. 4) Lightning Arresters. 5) Transformer Oil. 6) Tower Parts, equipment mounting/Station Structures. 7) Control Cables. 8) HT UG Cables 9) Conductor Hardware. 10) Battery & Battery Chargers. 11) Instrument Transformers. 12) Insulators <p>II. In respect of above Electrical goods covered under works contract / procurement shall be in accordance with the relevant IEEMA / CACMAI Price Variation formulae and indices.</p> <p>III. In respect of Turnkey Projects involving Civil Works and Erection</p>
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		<p>Portion shall be as per relevant Formulae as evolved by IEEMA. However, as far as admissibility of price variation towards erection and civil works is concerned, the same would be restricted to below appended activities only.</p> <ul style="list-style-type: none">a) Concreting (With or without steel reinforcement)b) Steel reinforcement and structural steel.c) Any other civil works where rates are individually/ independently indicated for concreting (with or without reinforcement) and Steel reinforcement and structural steel. <p>The quoted Prices for all the remaining items shall remain fixed during the Performance of the Contract and shall not be subject to variation on any account save for change in Quantity.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
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	<p>In the File named 'NIT' of the bidding documents of the subjected tender, 'Clause No 6. Qualifying requirements of Bidder', under 'sub clause 3.0 Qualifying Requirements (Technical)</p> <p>3.2.TRANSMISSION LINE :For one lot Should have constructed 220/66kV Transmission Line or above category on Total Turnkey basis or Partial Turnkey basis to an extent equivalent to the length of the line proposed in the tender or to an extent of 25 kmswhich ever is less in the last Seven years preceding the date of Bid submission, out of which 50% of the above quantity or 15 Km whichever is less shall be in satisfactory service for a period of One year prior to the date of submission of the Bid.' shall be modifies as</p> <p>'3.2.TRANSMISSION LINE :For one lot Should have constructed 220/66kV Transmission Line or above category on Total Turnkey basis or Partial Turnkey basis to an extent equivalent to the length of the line proposed in the tender or to an extent of 25 kmswhich ever is less in the last Seven years preceding the date of Bid submission, out of which 50% of the above quantity or 15 Km whichever is less shall be in satisfactory service for a period of One year prior to the date of submission of the Bid.</p> <p>Shall be a Labour Contractor or Sub-Contractor of a Turnkey Contractor and who has executed the work of construction of 220kV Transmission Line or above category equivalent to two times the length of the line proposed in the tender or to an extent of 50Kms whichever is less in the last seven years preceding the date of Bid submission, out of which 50% of the above quantity or 25Kms whichever is less shall be in satisfactory service for a period of two years prior to the date of submission of the Bid.'</p>	<p>Since the work is awarded to the main contractor the experience of the sub contractor /labour contractor cannot be considered as a qualifying requirement for awarding the work to main contractor.</p> <p>"220/66kV" shall be read as "220kV" only in the Qualifying Requirement of TRANSMISSION LINE as 66kV Transmission Line are not envisaged in this package.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
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	Labour Contractor or Sub-Contractor experience also shall be considered for Technical QR related to line	
4.1 (a) 4.1 (b)	<p>In the File named 'NIT' of the bidding documents of the subjected tender, 'Clause No 6. Qualifying requirements of Bidder', under 'sub clause 4.0 QUALIFYING REQUIREMENTS (FINANCIAL) 4.2.4. The Bidder shall stand disqualified if the total value of Works on hand including contract against subject tender if awarded, exceeds 2 times the MAAT (minimum average annual turnover)' shall be modified as 'While computing the balance works on hand, those works should not be considered which are awarded 3 months prior to the original date of bid submission. Rest of the Total value of works on hand shall not exceed 4 times of the MAAT.'</p> <p>In general the works on hand for any reputed EPC Contractor will be on higher side, hence this clause to be modified accordingly.</p>	<p>The provisions of bid document shall prevail.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
4.1 (a) 4.1 (b)	<p>In the File named 'NIT' of the bidding documents of the subjected tender, 'Clause No 6. Qualifying requirements of Bidder', under 'sub clause 4.0 QUALIFYING REQUIREMENTS (FINANCIAL)</p> <p>For the purpose of Lot I this particular Bid, Bidders shall meet the following minimum criteria Minimum Average Annual Turnover (MAAT) of the bidder for best three years out of last preceding five financial years ending on March or December as the case may be, shall not be less than Rs. 28000.Lakhs.</p> <p>For the purpose of Lot II this particular Bid, Bidders shall</p>	<p>The provisions of bid document shall prevail.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>

	meet the following minimum criteria Minimum Average Annual Turnover (MAAT) of the bidder for best three years out of last preceding five financial years ending on March or December as the case may be, shall not be less than Rs. 26000.Lakhs shall be modified as 'MAAT Requirement for both the Lots will be equal to ECV i.e., MAAT for LOT I shall not be less than Rs. 14000.Lakhs. MAAT for LOT II shall not be less than Rs. 13000.Lakhs.'	
	In the File named 'NIT' of the bidding documents of the subjected tender, 'Clause No 6. Qualifying requirements of Bidder', under 'sub clause 2.0(a)The Bidder or his JV partner should possess valid Super Grade Electrical Contractors License issued by the Government of Karnataka as on the date of opening of techno-commercial bid' shall be modified as 'The contractor should apply for supergrade licence and Acknowledgement copy of the same should be provided and uploaded with the bid, the valid supergrade licence should be provided in case of successful bidder by the time of award of the contract' or within 45 days from the date of bid opening.	The provisions of bid document shall prevail. Modified Vol 1- Commercial requirements has been uploaded.
ITB 19.2 & ITB 20	The validity of EMD bank guarantee is mentioned as 28 days and 45 days in ITB 19.2 & ITB 20 respectively from the bid submission date.	Modified Vol 1- Commercial requirements has been uploaded.
GCC 13	The modalities of contract securities is discussed. Kindly confirm the validity of the performance securities and the advance bank guarantee to be submitted.	The validity of the contract securities shall be for a entire period/extended period of contract. Modified Vol 1- Commercial requirements has been uploaded.

<p>Page 1-69 of section IV bidding forms &</p>	<p>The price adjustment formula is provided.</p>	<p>Contract Price Adjustment:</p>
<p>Appendix-2 (Page 115) of Sec IX</p>	<p>Contract forms indicates that the same is "Not Applicable". Kindly confirm whether the contract is on "Firm" basis or "Price adjustment" is applicable.</p>	<p>The Prices, only for the following items, quoted by the Bidder shall be VARIABLE in accordance with the relevant IEEMA/CACMAI Price Variation Formula and Indices without ceiling during the contractual delivery period. Price Variation is not admissible for other Items. The base date applicable for Price Variation is the date of Tendering i.e., date of Techno-Commercial Bid Submission date as notified (either original or extended) as per IEEMA/ CACMAI Circulars:</p> <p>I Equipments / Materials :</p> <ol style="list-style-type: none"> 1) Power Transformers 2) Circuit Breakers / Switchgears. 3) Conductors & Ground Wires. 4) Lightning Arresters. 5) Transformer Oil. 6) Tower Parts, equipment mounting/Station Structures. 7) Control Cables. 8) HT UG Cables

		<p>9) Conductor Hardware. 10) Battery & Battery Chargers. 11) Instrument Transformers. 12) Insulators</p> <p>II. In respect of above Electrical goods covered under works contract / procurement shall be in accordance with the relevant IEEMA / CACMAI Price Variation formulae and indices.</p> <p>III. In respect of Turnkey Projects involving Civil Works and Erection Portion shall be as per relevant Formulae as evolved by IEEMA. However, as far as admissibility of price variation towards erection and civil works is concerned, the same would be restricted to below appended activities only.</p> <p>a) Concreting (With or without steel reinforcement) b) Steel reinforcement and structural steel. c) Any other civil works where rates are individually/ independently indicated for concreting (with or without reinforcement) and Steel</p>
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		<p>reinforcement and structural steel.</p> <p>The quoted Prices for all the remaining items shall remain fixed during the Performance of the Contract and shall not be subject to variation on any account save for change in Quantity.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
	<p>Contract will be awarded in two separate parts i.e. First Contract (Supply) and second contract (installation) or as a single contract.</p>	<p>Contract will be awarded on total turnkey basis including supply of all Materials, Erection (including Civil Works), Testing and Commissioning.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
	<p>The modalities including the detailed scope for the treatment of ROW (Right of Way), Way leave clearances, Power line/Highway crossings and Forest clearance if any.</p>	<p>As the premises of station establishment is within the solar park, the question of ROW does not arise.</p>
	<p>Any variation in taxes & duties during the period of the contract will be reimbursed at actual by the Employer.</p>	<p>In case of any statutory variation in taxes/duties/levies or if any tax/duty/levy is newly introduced by the Government applicable for this Contract with effect from the next day of the date of</p>

		<p>submission of the bid these variations/additional taxes/duties/levies will be to the account of the owner. In case the Bidders indicate lesser rates of taxes and duties with reference to the prevailing rates of taxes and duties at the time of bidding any variations in the taxes and duties would be paid/recovered keeping the rates of taxes and duties applicable as on the date of bid opening as the base and not the quoted rates of taxes and duties for payment/recovery of difference in the taxes and duties. If the Contractor is required to pay additional tax or duty, then the owner shall reimburse the Contractor the additional tax or duty so paid by the contractor against submission of documentary evidence to the satisfaction of the owner by the contractor. This provision will not be applicable to transaction between the contractor and his sub-suppliers, sub-contractors for raw materials, for 'bought out' items etc., and will be applicable only for the 'own/direct transactions' between the contractor and the owner for the materials supplied from his own</p>
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		<p>manufacturing units and erection and civil works.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
	<p>The Start date of the project, whether it will be from the date of issue of NOA (Notification of Award) or whether it will be from the finalization of project schedule (L2 network) or release of advance whichever is later.</p>	<p>Start date of the project shall be from the date of Letter of Award/Letter of Intent.</p>
	<p>The advance to be released as part of the contract is interest free in nature. Kindly confirm.</p>	<p>Ten percent (10%) of the amount as an advance payment shall be made by the employer against receipt of invoice, and an irrevocable advance payment security for the equivalent amount made out in favour of the Employer.</p> <p>No interest shall be levied on the advance payment.</p>
	<p>The index sheet of Vol II (1of3), wherein it is indicated that the bidding documents consists of Sec-IV (Erection conditions of contract) under Vol-1 (commercial conditions). However, the same is not available in Vol-I (Commercial conditions).</p>	<p>Modified Vol 1- Commercial requirements containing ECC has been uploaded.</p>
	<p>The site survey wherein it has been observed that the roads passing through the village to the location are very narrow and transportation of 150MVA transformers etc through this stretch will be practically very difficult. Kindly confirm whether suitable approach roads for transportation shall be made by KSPDCL.</p>	<p>Suitable approach roads will be provided by KSPDCL</p>
	<p>Kindly confirm whether construction power and water shall be free issued by KSPDCL or whether the same</p>	<p>Arranging construction power for each of the substation shall be</p>

	shall be issued on chargeable basis.	the responsibility of the Contractor. KSPDCL shall not be responsible for arranging construction power. Arranging water during construction period shall also be the responsibility of the Bidder. KSPDCL shall not be responsible for arranging Water.
	Kindly confirm that the statutory clearances from all the relevant authorities shall be arranged by KSPDCL.	All clearance and approvals required by Bidder's except the following shall be obtained by KSPDCL: 1. Drawing & safety Approval by Chief Electrical Inspector, GoK. 2. RT and R&D Pre Commissioning approval – RT Department, KPTCL. 3. Station Commissioning and pre commissioning by – KPTCL and ESCOM. 4. Material inspection by TA&QC wing, KPTCL.
	We refer to the Qualification, criteria, wherein having a Super Grade Electrical Contractor license is mentioned as a Essential Minimum qualifying criteria and the copy of the same to be submitted along with the bid. We request you kindly amend the same as "The bidder to give an undertaking that the Super Grade Electrical Contractor license shall be submitted within 1 month of award of order".	The provisions of modified uploaded Bid Document shall prevail.
	As stated, our parent company(TBEA Shenyang	The experience of the parent

	Transformer Group Co Ltd) has executed various 400/765 kV substation projects in INDIA. Hence, we request you to consider the credentials of our parent company and also consider the Parent company and the subsidiary (TBEA Energy India Ltd) as single entity for Technical & Financial Evaluation.	company cannot be considered for subsidiary company for Technical & Financial Evaluation.
VOLUME-IIA (Part 2 of 3) Clause No.14.2 Page No. 123	<p>TECHNICAL Specification for Transformers: "The purchaser however reserves the right to waive the minimum experience condition stipulated in clause 13.04.00 (i) in case of firm having collaboration with well experience firms. The experience of the collaborating firms in the manufacture of similar type power transformer shall be not less than ten years. The waiving of minimum experience condition will be considered by the purchaser only on furnishing the performance guarantee for the power transformer manufactured by the collaborating firms." As stated above:</p> <ol style="list-style-type: none"> 1. In case of collaboration (or) subsidiaries established production facility in INDIA recently, Performance Guarantee (PG) to be furnished at the time supply or at Tendering stage. Kindly confirm. 2. Kindly confirm the List of Documents to be submitted at the tendering stage by the collaborating firms. 	<p>(1) Performance Guarantee (PG) has to be furnished at the time of entering into contract. (2) The list of documents notified in the tender need to be submitted/uploaded.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
VOLUME-IIA (Part 2 of 3) Clause No.12.2.3.7 Page No. 118	<p>TECHNICAL Specification for Transformers "The purchaser at his discretion may or may not opt for conducting "short circuit test". So, the charges quoted for the above test may or may not be taken into consideration during evaluation. The decision of the purchaser in this regard is final and binding on the</p>	

	<p>bidder". Kindly Confirm:</p> <ol style="list-style-type: none"> 1. Is conducting SC test as per the KPTCL Specification is Mandatory or submission of SC calculation will do the needful? 2. In case of SC waiver, on what basis waiver from conducting SC Test shall be given? In case a bidder who posses Similar/Higher rating SC report, within the last 5 Years, needs to conduct SC again? KINDLY CONFIRM THE ABOVE AS IT INVOLVES HUGE COST IMPLICATION. 	<p>(1) Conducting dynamic short circuit withstand test can be considered for waiver subject to condition that the design provided by the bidder shall be got approved by competent agency.</p> <p>(2) Bidder who posses Similar/Higher rating SC report, within the last 5 Years, need not conduct SC again. However, the design provided by the bidder shall be got approved by competent agency.</p>
NIT clause no 5 & ITB clause no 20.3	As per ITB the EMD BG shall be valid for 45 days beyond bid validity period and as per NIT EMD BG shall be valid for 30 days beyond the bid validity period. We understand that EMD BG validity shall be 30 days beyond bid validity period as per ITB. Kindly confirm	Modified Vol 1- Commercial requirements has been uploaded.
GC, clause no 10.2	We understand that the space required for site office, stores and labour colonies shall be provided by KSPDCL free of cost.	KSPDCL will provide temporary space required for site office, stores and labour colonies.
GC clause no.14	We understand Form C will be issued by KSPDCL for all Bought out as well as direct transactions. Please confirm.	Clause PC14.3, Section VIII, particular conditions page 3-97 states that "Employer will give only necessary certificates in terms of such notifications as per information given by the bidder in declaration form". Form C will be issued by KSPDCL only for 'own/direct transactions'

		Modified Vol 1- Commercial requirements has been uploaded.
GC clause no.14	Please confirm whether any special VAT rate is applicable for the package.	No.
General	Kindly clarify regarding the divisibility of the Contract. We request KSPDCL to kindly issue three separate contracts viz; Supply Contract, Erection Contract, Civil works Contract.	Contract will be awarded on total turnkey basis including supply of all Materials, Erection (including Civil Works), Testing and Commissioning. Modified Vol 1- Commercial requirements has been uploaded.
Volume II section 3 clause no. 12.2.2	As per the referred clause 220/66/11kV,150 MVA transformer first unit needs to undergo dynamic short circuit withstand test. It is to be noted that it will be difficult to conduct short circuit withstand test on 220/66/11kV,150 MVA transformer in India with the existing facilities. If at all it is arranged in CPRI, it will take almost 8-9 months to complete the test. And if is not possible in CPRI then for conducting the SC test, the manufactured unit has to go to KEEMA, which takes a minimum period of 12-18 months and sometimes KEMA does not provide any confirmation on dates due to their loading on test facility. Project duration being 12 months (lot 1) & 18 months (lot 2),it is impossible to conduct the dynamic short circuit withstand test. Keeping the above point in view, request you to kindly delete the clause pertaining to dynamic short circuit test that needs to be conducted on the first unit of transformer.	Conducting dynamic short circuit withstand test can be considered for waiver subject to condition that the design provided by the bidder shall be got approved by competent agency. Bidder who posses Similar/Higher rating SC report, within the last 5 Years, need not conduct SC again. However, the design provided by the bidder shall be got approved by competent agency.
Volume II section 3 clause no. 19.03 & clause no 10.03 for section V (320 of	As per clause no 19.03 of section 3, guaranteed period for the equipments is 60 months from the date of	The equipments offered shall be guaranteed for satisfactory

403)	satisfactory commissioning of the equipment.As per clause no 10.02 ,of section V guaranteed period for power transformer, delay panels, isolators,control cables,battery set,circuit breaker and substation automation system is 42 months from the date of satisfactory commissioning of the equipments and 12 months for rest of the project from the date of satisfactory commissioning of equipment.But as per particular conditions the guaranteed period is 18 months.In this regard,request you to kindly clarify the DLP period that is to be considered.	performance for a period of 60 months from the date of satisfactory commissioning of equipment. The equipment found defective/failed with in the above guarantee period shall be replaced or repaired by the supplier free of cost with in one month from receipt of intimation. If the defective/failed equipments are not replaced/repared as per the above guarantee clause, the KPSDCL shall recover an equivalent amount plus 15% supervision charges from any of the suppliers bills. Modified Vol 1- Commercial requirements and Vol II has been uploaded.
Clause no 7.3 of GC & PC and Volume II section -4	As per GC and PC recommended spares for a period of 3 years is to be considered by the contractor. But as per Volume II section-4 clause 16, recommended spares for a period of 5 years needs to be supplied. With regard to the above, request you to kindly clarify the period for which the recommended spares needs to be supplied.	Recommended spares for a period of 3 years is to be considered by the contractor. Modified Vol 1- Commercial requirements has been uploaded.
GC clause no.10	We understand that the 220kV line work is under present scope of works. With regard to the same,	As the premises of Station Location is within the solar park,

	request you to clarify the following: ROW and land clearances required pertaining to above works is in KSPDCL's scope. Please confirm.	the question of ROW does not arise.
Appendix 1 payment terms	We understand that the 10% advance payment towards supply, design and installation services shall be interest free advance.	Ten percent (10%) of the amount as an advance payment shall be made by the employer against receipt of invoice, and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment shall be interest free.
Appendix 1 payment terms	In case of payment towards installation & design services, we presume that 100% tax applicable for installation and design services shall be paid along with the stage payment of 70% (for installation services) and 80% (design services). Kindly confirm.	100% taxes if any applicable on design and installation services portion of the contract shall be payable on completion of the work and on production of documentary proof. Modified Vol 1- Commercial requirements and Vol II has been uploaded.
Appendix 1 payment terms	Interest for delayed payment- In case the payment is delayed and not paid within 45 days period from contractor's invoice then the interest for the delayed payment will be calculated from the 46th day till the payment is done for the due payments. Kindly confirm whether our understanding is in line with tender conditions.	Modified Vol 1- Commercial requirements and Vol II has been uploaded.
GC & PC 11	With reference to the clause, the contract price should be FIRM/FIXED. As the scope comprises of Transformers, & major Civil items whose raw material prices varies drastically over time, we request you to kindly provide "PRICE VARIATION" for the above items as per IEEMA /	Contract Price Adjustment: The Prices, only for the following items, quoted by the Bidder shall be VARIABLE in accordance with

	LME.	<p>the relevant IEEMA/CACMAI Price Variation Formula and Indices without ceiling during the contractual delivery period. Price Variation is not admissible for other Items. The base date applicable for Price Variation is the date of Tendering i.e., date of Techno-Commercial Bid Submission date as notified (either original or extended) as per IEEMA/ CACMAI Circulars:</p> <p>I Equipments / Materials :</p> <ol style="list-style-type: none"> 1) Power Transformers 2) Circuit Breakers / Switchgears. 3) Conductors & Ground Wires. 4) Lightning Arresters. 5) Transformer Oil. 6) Tower Parts, equipment mounting/Station Structures. 7) Control Cables. 8) HT UG Cables 9) Conductor Hardware. 10) Battery & Battery Chargers. 11) Instrument Transformers. 12) Insulators <p>II. In respect of above Electrical</p>
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		<p>goods covered under works contract / procurement shall be in accordance with the relevant IEEMA / CACMAI Price Variation formulae and indices.</p> <p>III. In respect of Turnkey Projects involving Civil Works and Erection Portion shall be as per relevant Formulae as evolved by IEEMA. However, as far as admissibility of price variation towards erection and civil works is concerned, the same would be restricted to below appended activities only.</p> <ul style="list-style-type: none">a) Concreting (With or without steel reinforcement)b) Steel reinforcement and structural steel.c) Any other civil works where rates are individually/ independently indicated for concreting (with or without reinforcement) and Steel reinforcement and structural steel. <p>The quoted Prices for all the remaining items shall remain fixed during the Performance of the</p>
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		<p>Contract and shall not be subject to variation on any account save for change in Quantity.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
GC clause no.14 Taxes & duties	We understand that taxes and duties are not taken for evaluation purpose. Kindly confirm	<p>Taxes & Duties are considered for evaluation purpose.</p> <p>Modified Vol 1- Commercial requirements has been uploaded.</p>
General	<p>Kindly confirm that hindrance free land will be handed over to the contractor on the date of award of contract.</p> <p>Any delay occurring due to delay in handing over of land or ROW issues should be excluded from the completion period.</p>	<p>As the premises is within the solar park, the question of ROW does not arise.</p> <p>Tentative schedule of handing over of site: April 2016.</p>
Bid Price Schedule, A.8.-6(Busbar protection)	We presume the scope of bus bar protection (central unit / bay units) is restricted to the number of present feeders. No hardware / software for future scope is considered under this contract. However, the central unit will be selected in such a manner that it shall be possible to expand in the future. Please confirm whether our understanding is correct	No expansion is anticipated.
Bid Price Schedule, A.8.- 7 (Substation Automation System)	Stations at Nagalamadike Hobli in Pavagada taluk are being new stations, complete SAS will be based on IEC 61850 protocol. We are not considering any works in the remote stations / SLDC end. Scope envisaged is restricted upto gateway in these substation. Please confirm	<p>Provision for OPGW will be provided for communication purpose.</p> <p>Modified price sheets and techno commercial sheets uploaded vide Vol III.</p>

Bid Price Schedule, A.8.- 7 (Substation Automation System)	As per Note-3, Electronic Trivector Meter is required only on HV & LV side of transformer bay. However, as per technical specification of CRP & SAS (Annexures) Trivector meters are required in all line feeders, in addition to transformer feeders. Please check & inform the requirement.	Electronic Trivector Meters shall have to be provided for both sides of transformers & for line feeders.
Bid Price Schedule, A.11. (Busbar formation)	ACSR Drake conductors are covered under Sl. no. A11.1 and insulators / hardware are covered under Sl.no. A12.2. Hence, kindly inform what are the supply items to be covered under Sl.no. A.11	A11 consists of ACSR Drake conductors and rigid bus bar formation. A12 Consists of formation of cross bus with drake and twin drake.
Line items	Please include separate line items for the following, as we could not find those in the available price schedule: a) Indoor lighting works. b) Outdoor lighting works c) Bay marshalling kiosks / Junction boxes.	Provision is made under Sl. No. A14, 3, 5 & 6 and yard lighting.
Outdoor lighting	In line with technical specification Cl. 2.8, outdoor light fixtures and street light fixtures shall be of HPSV / MH fittings. LED based street light fittings as per Annexure - I is not envisaged. Please confirm.	As in the BOQ, HPSV need to be provided.
Indoor lighting	As per Annexure-1, both fluorescent type fittings & LED based fittings are given for indoor application. For control building application, whether combination of these fittings to be used (or) only LED fittings are acceptable ?	Both fluorescent type fittings & LED based fittings can be provided for control building. Quantities shall be finalized at the time of execution.
Mounting of light fixtures	We presume that light fixtures shall be mounted on both tower gantries & Lighting mast based on the suitability. Please confirm our assumption.	Light fixtures shall be mounted on lighting mast and on lighting poles as per approved design.
Technical specification, Section Switchyard Erection, Cl. 8.4 (Earthing)	Please include a separate line for earthing material in price schedule. Also please specify the type of earthing conductor to be used for each application (main mat,	Specification are provided in the BOQ. Deviations if any will be intimated at the time of

	above ground, below ground, cable trench etc.)	execution.
Technical specification, Section - 12, Earthmat (Technical specification for design and laying of earthmat)	As per the clause-2.1 of specified section, earthmat layout is available. However, we are not in receipt of the same. Kindly furnish the same.	Tentative earthmat design is uploaded in modified Vol II .
Technical specification, Section Switchyard Erection, Cl. 16.0 (Installation of cables)	We presume that for both indoor and outdoor applications, cables shall be laid in cables trenches with angle support only. Nowhere cable trays are required. Please confirm.	Specification are provided in the BOQ of Vol III.
Price schedule - A24, 48V Battery & charger	As per the price schedule, 48V battery and charger are required for PLCC system, whereas there is no line item for 48V DCDB. Please include the same.	The provision for PLCC system has been replaced with OPGW system.
General	We presume the following are not included in bidders scope of work. 1. Visual monitoring system. 2. HVAC system. 3. Please confirm. If it is required, please include a line item in BPS and also furnish the specification.	They are not required.
Lightning mast	Please indicate the height of lightning mast	Height of lightning mast should be around 25mtrs.
LT Power supply	We presume incoming supply (HT) to DP structure is in scope of contractor only. Please confirm.	Incoming supply to DP structure for auxiliary is not in the scope of Bidder.
Tender Specification, Volume III, Price Schedule, Schedule 3B(II) Clause no.B1,B8(3)	In order to ascertain the adequacy of the cutting and filling quantities given in price schedule. Please furnish the following details :- (for 8 locations) 1. Plot plan indicating boundary of substation. 2. FGL of the proposed substation. 3. Contour Layout & Spot levels 4. Soil report for Proposed SS	Provisional design of switchyard layout is provided. Work is to be executed after availing approved drawings on site basis. Preliminary Geo Technical study in respect of location of each of the station is uploaded. However, the successful bidder needs to conduct geo-technical investigation before taking up of design of various structures.

Tender document	We wish to inform that, " Specification for Civil Works " is not attached in the Tender document. Please provide the same.	Modified uploaded documents contains Specification for Civil Works in Vol II.
Tender Specification, Volume II A, Sec. 7.0 Structures Cl.no : 1.3 & 1.3.2	As per referred clause, it is mentioned that, " The towers beams and lightning/Lighting masts shall be fabricated as per the single line diagrams furnished. In the part 1 of Technical specifications, only the single line diagrams enclosed ". However in Tender document the Single Line diagram for towers and equipment is not enclosed. Request you to kindly provide the same.	Provisional design of switchyard layout is provided. Work is to be executed after availing approved drawings.
Tender Specification, Volume II A, Sec. 7.0 Structures	We trust that grade of structural steel ,used for Switchyard structure are Mild steel of grade E250A as per IS:2062. Please confirm.	Yes
Tender Specification, Volume III, Price Schedule, Schedule 3B(II) clause no.B2	We presume that, if the soil is expansive type in nature. Soil improvement by Murram/CNS material /Boulder filling may be required. Please furnish the details of soil improvement items & include items for the same in the price schedule.	Soil improvement will be as per the prevailing standards followed as per IS codes. Provisional quantities are provided in the price sheets. Work is to be executed as per approved design drawings.
Tender Specification, Volume III, Price Schedule, Schedule 3B(II)	We presume that, if the soil is expansive type, the same soil cannot be used for backfilling and Bought out earth may be required. We trust that the same shall be paid under Price Schedule, Schedule 3B(II) SL. No. B1b). Please confirm.	Provisional quantities are provided in the price sheets. Work is to be executed as per approved design drawings.
Tender Specification, Volume III, Price Schedule, Schedule 3B(II)	As per price schedule, the below items are not specified in scope and price schedule. Hence, We trust that the following works are not in bidders scope.	The scope of work in the price schedule 3B(II) is within the scope of the bidder. However, the

	<ol style="list-style-type: none"> 1. Boundary wall along with gate. 2. Security hut/cabin. 3. DG house building. 4. Store building (open or Closed Building). 5. Fire fighting Pump house and Water tank. Foam house building. 6. Rain water harvesting. 7. Switchyard Panel Room 8. Fence & Gate <p>Please confirm.</p>	<p>quantities for the left out items are provided in the corrigendum uploaded on 21-01-2016.</p> <p>Modified price sheets and techno commercial sheets uploaded vide Vol III.</p>
Tender Specification, Volume III, Price Schedule, Schedule 3B(II)	<p>We understand that, Bidder scope of work is limited with-in the Switchyard fence area. Beyond that, we have not considered any work in our scope.(except for Approach road).</p> <p>Please confirm.</p>	<p>Yes. The scope of work of the bidder is within the switchyard fence area.</p>
Tender Specification, Volume III, Price Schedule, Schedule 3B(II)	<p>We have considered the outlet point of switchyard of 50m (max) beyond switchyard fence to connect the nearest main drain. Please confirm.</p>	<p>Yes. As per the approved drawings.</p>
Tender Specification, Volume III, Price Schedule, Schedule 3B(II)	<p>Please provide the following drawing along specification. In order to assess the quantum of Civil works</p> <ol style="list-style-type: none"> 1. 220kV Control Room Building 2. RCC Cable trench & Trench crossings 3. Drain & Drain crossings. 4. Switchyard Road & Approach road 5. Towers & Equipment Structure drawings (220kV & 66kV) 6. Station Transformer 7. Retaining wall 8. Towers, LM & Equipment foundation drawings (220kV & 66kV) 9. Transformer Foundation & Fire wall 10. Inspection Chamber 11. Lighting & Lighting Mast drawing 	<p>Details of drawing along with specification have been provided in the corrigendum uploaded on 21-01-2016.</p> <p>Towers & Equipment Structure drawings (220kV & 66kV) will be uploaded.</p> <p>Modified Technical Specifications and drawings uploaded vide Vol II.</p>

<p>GA layout : KREDL/TECH/SS-220/Sp-4 & Tender Specification,Volume III,Price Schedule, Schedule 3B(II) calsue no.B3</p>	<p>As per referred layout, Cable trench "A" type is shown. However in Price schedule there is no item for the same. Please include the same in Price schedule.</p>	<p>Drawings provided are only indicative. Cable trench "A" type is not required. Hence, it is not provided in price sheets.</p>
<p>Tender Specification,Volume III,Price Schedule, Schedule 3B(II)'cl no B8</p>	<p>We wish to inform that, item for Drain crossing is not there in referred price schedule. But it is required for the road crossing. Kindly include the item for the same in BPS.</p>	<p>Provision is made for RCC cable duct- Road crossing for A,B,C,D type cable ducts. However execution of works shall be taken up as per approved drawings.</p>
<p>Tender Specification,Volume III,Price Schedule</p>	<p>We trust that, the connection of all structures to their foundations shall be by base plates embedded foundation bolts. However in BPS, there is no item for the same. Please add items for foundation bolts of Towers & equipments.</p>	<p>Quantities are already provided in the price sheets. The actual shall be as per approved design. Modified Vol II & Vol III uploaded.</p>
<p>Tender Specification,Volume IIA,Part 1 of 3CI No 2.1</p>	<p>We have received detailed layout plan of substation at solar park, Pavagada.As per the scope the substation is proposed at Eight different locations.Please provide the detailed layout plan at below locations as mentioned in the referred clause Lot1 (a) TirumaniSy no. 154/2,3,4&5 (b) TirumaniSy no. 131/1 & 2 (c) RayacharuSy no. 225/1,2 & 3 (d)RayacharuSy no. 175 Lot2 <u>a) KyataganacharuSy no. 44</u> <u>b)VallurSy no. 242</u> <u>c) VallureSy no. 166</u> <u>d) BallasamudraSy no.35/2</u></p>	<p>Typical detailed layout plan for one substation is provided. The same need to be adopted for all the balance 7 stations. However, during execution the drawings for individual stations have to be designed and got approved.</p>

<p>VOLUME-IIA (PART 1 OF 3) TECHNICAL SPECIFICATION/2.0 Scope/b/vi</p>	<p>Cable Trench: The routes of cable trench of A, B, C & D type is indicated in the layout drawing provided. The detailed drawings for above type side type of cable trench has not been provided We request you to provide cable ducts details/drawings. Also kindly confirm us that ladder type cable tray is only applicable for both outdoor & In door cable trench.</p>	<p>Provisional drawings will be uploaded for different type of cable trenches. Modified Vol II uploaded.</p>
<p>VOLUME-IIA (PART 1 OF 3) TECHNICAL SPECIFICATION 2.7</p>	<p>2.7 Reference Drawings: We request you to provide us the reference drawings</p>	<p>Modified Vol II uploaded.</p>
<p>Volume - IIA Section 5.2 (415/240 Volts LTAC Panels) - 25.1, 26</p>	<p>Refer drawing for 415V LTAC panel (Typical) for 220 KV station: We request you to provide us the SLD for the LTAC panel.</p>	<p>Modified Vol II uploaded.</p>
<p>Volume - IIA Section 5.3 (A.C. Outdoor Distribution Box)</p>	<p>Drawing No. KF-B/TECIV Sub-Station/220/168/9-9.92 - detailed arrangement of distribution box "Type - A" - Single front type. 2. Drawing No. KEB/TECIV Sub-Station/220/168/9-9.92 - detailed arrangement of distribution box "Type - B" - Double front type. We request you to provide us the drawings for the AC outdoor distribution box.</p>	<p>Modified Vol II uploaded.</p>
<p>VOLUME-IIA SECTION 5.4: LIGHTING SYSTEM</p>	<p>Distribution panel: We understand distribution panels for Lighting system is applicable, we request you to provide us the details of the Lighting system.</p>	<p>Modified Vol II uploaded.</p>
<p>VOLUME - IIA SECTION 6.0 - SWITCHYARD ERECTION</p>	<p>8.5.3 Tap connections from the earthing grid to the equipment /structure to be earthed shall be terminated on the earthing terminals of the equipment / structure as per "Earthing Details- We request you to confirm the drawings for the earthing shall be considered during detailed engineering. Kindly confirm</p>	<p>Modified Vol II uploaded.</p>

<p>VOLUME-IIA TECHNICAL SPECIFICATION SECTION 12.0- Earth mat & SECTION 6.0 SWITCHYARD ERECTION</p>	<p>MS Flat of the designed cross section shall be laid at the designed depth of (around 0.9 Mtr.) and spacing duly straightening and removing any bends. As per section 12.0: the depth is 900mm. As per section 6.0: the depth is 600mm. Kindly clarify the depth of Earth Conductor in ground.</p>	<p>MS Flat of the designed cross section shall be laid at the designed depth of 0.9 Mtr only.</p>
<p>General</p>	<p>DC Distribution boards We request you for the detail of DC Distribution board.(SLD)</p>	<p>Modified Vol II uploaded. However, the drawings shall be got approved before taking up for execution.</p>
<p>General</p>	<p>Earthing and indoor illumination is not available in bid price schedule. Understand that Earthing and Indoor Illumination is under present scope. Please confirm and kindly revise the price schedule accordingly.</p>	<p>Modified Vol II uploaded. However, the drawings shall be got approved before taking up for execution.</p>
<p>General</p>	<p>Price schedule It has been observed that some rows in price schedule are hidden. We understand that hidden rows are excluded from the present scope.</p>	<p>Modified Vol III uploaded.</p>
<p>General</p>	<p>Price schedule We have observed that few additional items like 66kV Cable Termination kit, Supporting Structure, Cable Tray support etc has not been explicitly mentioned in the price schedule but those are required to full fill the present scope. Kindly include in the revise price schedule.</p>	<p>Provision is made for 66kV LA mounting structure in the 220kV stations and they shall be of composite type to accommodate both LA and cable. Modified Vol II uploaded. However, the drawings shall be got approved before taking up for execution.</p>

Layout	Sectional details We have observed that 220KV wave trap is under hung type from the conductor as shown in section drawing, We request you to confirm the 220kV wave trap is under hung type connected to beam.	Consequent to adoption of OPGW system , the concept of wave trap does not arise.
Technical Specification	Civil works Kindly provide the Detailed Technical Specification for Civil works.	Modified Vol II uploaded.
Layout	Kindly clarify the requirement of Station Transformer.	Layout diagram clearly indicates that bidder has to provide 2 nos. of 150MVA, 220/66kV power transformers and 2 of 250 kVA, 11kV/433V,3 phase distribution transformers with copper winding for each of the stations.
Layout & Price schedule	We understand that 66/11KV transformer and associated equipments which are not mentioned in the Price Sheet - BOQ Station is not in the present scope. Please confirm.	Yes.
Technical Specification - Tender Drawings	Switchyard Layout drawings : KREDL/TECH/SS-220/SP-4 We understand the layout drawing provided shall be adopted for all the substation vide Lot I & Lot II. Kindly confirm	Yes. They are indicative drawings only. However, the drawings shall have to be got approved before taking up execution of work.
Site Location	Site Location We request you to confirm encumbrance free site shall be provided from the date of issue of LOI/Purchase order.	Yes. It is proposed to hand over land free of encumbrance from the date of issue of LOI.
Site - Approach Road	Approach Road During our site visit we have observed the locations for the substation has no access road. We request you to confirm site approach road shall be provided by KSPDCL.	Suitable approach roads will be provided by KSPDCL.

Technical Specification	<p>Soil Investigation</p> <p>We request you to provide us soil investigation report for to evaluate and propose the required foundations.</p>	<p>Preliminary Geo Technical study in respect of location of each of the station is uploaded. However, the successful bidder needs to conduct geo-technical investigation before taking up of design of various structures.</p>
Technical Specification	<p>Contour map</p> <p>We request you to provide us the contour map along with the reference FGL to enable us to assess the cutting and filling for all the substations. Also we request you to provide us the layout with co-ordinates for the respective substations.</p>	<p>Modified Vol II uploaded.</p>
Technical Specification	<p>Storm water drainage</p> <p>We request you to provide us the details of the exit point of storm water drainage. We request you to confirm that our scope shall be limited to storm water drainage within the substation boundary.</p>	<p>Yes</p>
Tender Drawings	<p>Civil Drawings</p> <p>We request to provide us the applicable civil drawings for Control Room Building, Tower foundations, Equipment foundations, cable trench, road, culvert, drainage, security fence etc. The same shall help us for our estimation.</p>	<p>Modified Vol II uploaded.</p>
Price Schedule	<p>Civil Price Schedule</p> <p>We request to provide the detailed civil BOQ (defined quantities instead of numbers) for the scope.</p>	<p>Modified Vol III uploaded.</p>
Price Schedule	<p>Civil Price Schedule</p> <p>Request M/s. KSPDCL to provide the quantity for site leveling for all the proposed switchyard</p>	<p>Modified Vol III uploaded.</p>

Price schedule - Foundation	<p>Additional Item - Hard rock excavation</p> <p>During our site visit we have observed that the presence of hard is more in the proposed substation land. Hence we request you to provide a separate line item for excavation in hard rocks, weathered rock, normal soil which shall be operated as per site conditions.</p>	Modified Vol III uploaded.
Price schedule - Foundation	<p>Backfilling of earth around the foundations</p> <p>In the view of presence for the rock the required backfilling soil has to be bought from the nearest point. We have observed the nearest vicinity for availability of the bought soil is 50KM away from the proposed substation locations. Hence we request you to provide us a separate line item for the bought out soil.</p>	<p>Backfilling of earth vests with Bidder. The Bidder has to quote accordingly and include it in the cost of foundations. Quantity of excess earth available out of excavation of cable ducts etc., may be used for backfilling which is suffice.</p> <p>Modified Vol III uploaded.</p>
Technical Specification	<p>Disposal yard</p> <p>We request you to provide the details of the disposal yard with the lead distance from the proposed site locations.</p>	Disposal of surplus earth vests with Bidder. The Bidder has to quote accordingly and include it in the cost of foundations. The disposal points is available within the vicinity of about 5 Kms.
Technical Specification	<p>Quantity variation</p> <p>We request KSPDCL mention the maximum allowable quantity variation in percentage.</p>	Modified Vol I uploaded.
Technical Specification	<p>Quality Test</p> <p>We understand the minimum quantity of R/F steel and cement bags per lot supplied to the site shall be sent for testing. Kindly confirm and request you to indicate the applicable Quantity.</p>	As per respective IS codes. Modified Vol I uploaded.

Technical Specification	M-Sand We request your confirmation for usage of M-sand in place of river sand for RCC works	For plastering works, river sand only shall be used and M-sand can be used for concrete works.
Technical Specification	Transformer foundation We request to clarify if the transformer foundation shall be designed to accommodate the oil within the dyke wall in order to avoid constructing the separate oil pit?	Separate provision for oil drainage sump is made. Hence, accommodating the oil within the dyke wall does not arise. Modified Vol II uploaded.
Technical Specification	RMC - Acceptance We request your acceptance for usage of design mix concrete for the RCC works?	As per IS code, RMC is allowed for construction.
Technical Specification	Anti weed treatment Kindly clarify weather antiweed treatment is only applicable for the depth below the 100mm of switchyard gravel spreading	As per standards in practice.
Price Schedule	Switchyard RCC road We request you to confirm that the scope for construction of RCC road is only applicable within the substation boundary.	Yes. RCC road is within the substation boundary.
Technical Specification	Parking shed We request you to confirm parking shed is not applicable for the specific contract.	Parking areas shall be provided for site personnel and visitors at convenient locations.
Technical Specification	Fire wall Kindly confirm weather plastering is applicable for the fire protection	Provision for baffle wall is deleted in the modified BOQ uploaded on 21-01-2016. Modified Vol III uploaded.

Technical Specification	<p>Security compound wall</p> <p>We understand that construction of security compound wall with chain link fence is not applicable for the specific contract.</p>	<p>The provisions provided in the Technical specifications shall stand replaced with the provisions provided in B15 of BOQ civil uploaded on 21-01-2016. Modified Vol II & Vol III uploaded.</p>
Technical Specification	<p>Control Room Building</p> <p>We request your acceptance for change of control design during detailed engineering based on the feasibility.</p>	<p>The designs provided in the Bid document are only provisional. However, the detailed engineering drawings are to be got approved prior to execution of the work for approval before taking of work.</p>
Technical Specification	<p>False Ceiling</p> <p>Kindly provide the details for the location of false ceiling in the proposed substation building</p>	<p>No False Ceiling is proposed for substation control room building</p>
Technical Specification	<p>Construction Power & Water</p> <p>We request you to provide us the source for construction water and power at a single point. Kindly confirm</p>	<p>Arranging power and water for construction shall be the responsibility of the Contractor. KSPDCL shall not be responsible for arranging construction power and water.</p>
Technical Specification	<p>Testing laboratory</p> <p>We request you to provide the details for the approved construction material testing laboratory.</p>	<p>Testing has to be done by NABL accredited Laboratory.</p>
Site office, Labour camps, stores etc	<p>Site office, Labour camp</p> <p>We request you to permit us for having site office / stores / skilled labour camps within KSPDCL proposed site for smooth coordination works.</p>	<p>The successful Bidder has to establish site office for smooth coordination works within KSPDCL proposed site.</p>

Hindrances in the proposed site	<p>Site Hindrances Trees / bushes / scrap materials / collapsed boundary wall / cable drums / stores etc – These are the items which will cause hindrance during execution, Kindly confirm that the site will be handed over encumbrance free by clearing all the items as specified.</p>	<p>As per Technical specification Vol II (3 of 3) captioned "Site Leveling" provides for Clearing the site area free of bushes, trees including removal of roots, any unsuitable materials, demolition of any temporary building/structure and removal of debris/unserviceable materials, stacking within the premises or any disposal point away from the station area as per the decisions of the Engineer in charge of the work and stacking of useful/serviceable materials outside the yard within the station premises in the manner directed. Modified Vol II uploaded.</p>
General - Construction items	<p>Approved Vendors Request KSPDCL to provide the details of makes of major construction materials like cement, R/F steel , structural steel, tiles, pipes, paints etc...</p>	<p>Materials for construction should confirm with the respective standards as per IS codes.</p>
General - Field quality plan	<p>Field Quality Plan. Request M/s.KSPDCL to provide the field quality plan for civil works</p>	<p>The successful bidder shall provide the quality assurance plan for approval before taking up of work.</p>
NIT Clause No. 3 : Commissioning	<p>12 months for Lot I and 18 Months for Lot II from the date of Letter of Award/ Letter of Intent (as applicable) including Monsoon period. We request your consideration for completion of 18</p>	<p>The commissioning period for both the Lots is 12 months from the date of Letter of Award/ Letter of Intent (as applicable)</p>

	months for both the Lots.	including Monsoon period. Modified Vol I uploaded.
NIT : Clause No.5 : EMD	Bids shall be accompanied by Bid security (EMD) for Rs. 210.00 Lakhs for Lot I and Rs.190.00 Lakhs for Lot II as follows: We understand the submission of bids for either 1 Lot is acceptable. Kindly confirm.	The bidder has the option to participate in either of the Lots or both the Lots. However, if intending to participate in both the lots, the Bidder has to meet the qualifying requirements cumulatively. Modified Vol I uploaded.
NIT : Clause No.6 : Qualifying Requirement	The Bidder or his JV partner should possess valid Super Grade Electrical Contractor's License issued by the Government of Karnataka as on the date of opening of techno-commercial bid We request your consideration for submission of "Super Grade License" along with LOI/Purchase Order Acceptance	Bidder or his JV partner should possess valid Super Grade Electrical Contractor's License issued by the Government of Karnataka as on the date of opening of techno-commercial bid. The following listed criteria for qualification at section 3 evaluation and qualification criteria-without pre qualification appearing in pages 1-42 to 1-55 of Volume I which was uploaded on 29-12-2015 shall stand deleted. 2.1 Eligibility 2.2 Historical Contract non performance 2.3 Financial situations 2.4 Experience

		<p>2.5 Personnel 2.7. Sub contractors</p> <p>Modified Vol I uploaded.</p>
NIT : Clause No.6 : Qualifying Requirement	<p>TRANSMISSION LINE: For one lot Should have constructed 220/66kV Transmission Line or above category on Total Turnkey basis or Partial Turnkey basis to an extent equivalent to the length of the line proposed in the tender or to an extent of 25 kms which ever is less in the last Seven years preceding the date of Bid submission, out of which 50% of the above quantity or 15 Km whichever is less shall be in satisfactory service for a period of One year prior to the date of submission of the Bid.</p> <p>We understand the clause is applicable for the tender irrespective of the specific Lot.</p>	<p>"220/66kV" shall be read as "220kV" only in the Qualifying Requirement of TRANSMISSION LINE as 66kV Transmission Line are not envisaged in this package. In the same clause at note 2, it is specified that "In case the bidder is quoting for Lot 1 & Lot 2, then the bidder shall meet the qualifying requirements cumulatively".</p> <p>Modified Vol I uploaded.</p>
Price Sheet : BOQ Station :	<p>Column 3a: Quantity / Station</p> <p>We understand the indicative quantity for 1 substation is provided in the price sheet We request your clarity for Column 5 & 6 : Total Qty - Lot 1 & Lot II shall be multiples of the substation per lot i.e. "Column 5 = Column 3a x 4 & Column 6 = Column 3a x 4"</p> <p>Kindly confirm.</p>	<p>In the BOQ wherein the quantity / station is indicated, the bidder shall have to multiply by 4 times and to be indicated in Lot 1 and similarly for Lot 2. If participating in both the lots, the total quantity is the sum of Lot1 & lot 2. However, in the BOQ for transmission lines for Lot1 at Annexure 13 & 14 and for Lot 2 at Annexure 15&16, the quantities indicated are on Lot wise basis for 4 stations in each lot.</p> <p>Modified Vol III uploaded.</p>

Price Sheet : BOQ Tr. Line	Transmission Line BOQ. We request you for the Transmission Line BOQ.	Details are provided in the corrigendum uploaded on 21-01-2016. Modified Vol III uploaded.
Price Sheet : Civil BOQ	Line Item No. B1a, B1b, B2.iv, B2.xii, B2.xiii, B2.xiv, B2e, B3vi, B3vii, B8 (3), We understand the said line items with "0" quantity shall not be considered for evaluation.	Modified BOQ have been provided in the corrigendum uploaded on 21-01-2016. Modified Vol III uploaded.
	We understand that in Price Excel Sheet the Column No. 3A of BOQ Substation Sheet is showing the Quantity of one substation and Bidder to multiply this quantity with 4 if quoting One lot and multiply by 8 if quoting both lots. Please confirm if our understanding is correct.	In the BOQ wherein the quantity / station is indicated, the bidder shall have to multiply by 4 times and to be indicated in Lot 1 and similarly for Lot 2. If participating in both the lots, the total quantity is the sum of Lot 1 & lot 2. However, in the BOQ for transmission lines for Lot1 at Annexure 13 & 14 and for Lot 2 at Annexure 15&16, the quantities indicated are on Lot wise basis for 4 stations in each lot. Modified Vol III uploaded.
	GA drawing of Substation Plot Area is not available. Please provide.	GA drawing of Substation Plot Area has been provided in the corrigendum uploaded on 21-01-2016. Modified Vol II uploaded.
	Please confirm if Land for Substation work is already identified and acquired by KSPDCL.	Land for substation has been identified and acquisition of land on lease basis is under process.

	Please provide the list of approved vendor OR criteria of vendor acceptance.	Vendors list approved by KPTCL is accepted. However in respect of 150MVA Power transformers, approved vendor list for 100MVA power transformer will also be considered.
	Please mention the Quantity variation clause.	The designs provided in the Bid document are only provisional. However, the detailed engineering drawings are to be got approved prior to execution of the work. Modified Vol I uploaded.
	Please confirm if quoting both Lots, Bidder can submit single Bank Guarantee of Rs. 3.90 Cr.	Since the bid document provides for separate evaluation for both the lots, separate bank guarantees for each of the lots need to be provided. Modified Vol I uploaded.
	We understand that any additional item which is not reflecting in BoQ Station and BoQ Civil will be paid extra. If yes, how the rate of that item will be arrived. Please confirm	All the required items have been reflected in the BOQ station and BOQ Civil. Hence, the question of paying extra amount for additional item does not arise.
	In Schedule -3A & 3B, BoQ is not furnished for Transmission Line. Please confirm if complete Design and Engineering for Transmission line will be in Bidders Scope.	Modified BOQ for transmission line have been provided in the corrigendum uploaded on 21-01-2016. Modified Vol III uploaded.
	Please furnish the tentative route of Transmission Line proposed by KSPDCL.	KSPDCL has provided the tentative BOQ for transmission line. However, conducting the detailed survey vests with the

		Successful Bidder subject to approval by KSPDCL. Modified Vol III uploaded.
	Please provide Soil Report is available for the Land.	Preliminary Geo Technical study in respect of location of each of the station is uploaded. However, the successful bidder needs to conduct geo-technical investigation before taking up of design of various structures.
	We request KSPDCL that as per tender terms let us know when we can go for Site Visit along with KSPDCL official in order to understand the Project Site details.	As decided in the pre bid meeting, site visit was proposed on 25-01-2016.
	PQ clause as mentioned in 2.4.2 (b) in Section-III is not reflecting in the PQ clause no. 6. Please confirm which one need to followed.	PQ clause as mentioned in 2.4.2 (b) in Section-III is deleted. However, the PQ as mentioned in Clause 6 shall prevail over. Modified Vol I uploaded.
	Price schedule is given in Excel Sheet. Hence we understand that Schedule No. 1 to 6 as given in Section-IV page no. 63 to 68 are not applicable. Format of these price schedules are different than the price schedule given in Excel sheet. Please confirm.	Schedule No. 1 to 6 as given in Section-IV page no. 63 to 68 are not applicable. Bidder has to upload in the price sheets provided in the Excel sheets. Modified Vol III uploaded.
	Refer the Declaration form at page no. 71 in Section-IV. As per point no. 3, we are to mention Make of equipment and Value to get the Certificate. Also as per point no. 4, we cannot modify this list once tender will be opened. But it is very difficult to freeze the single vendor name during bidding stage. Secondly, Value	Modified Vol I uploaded.

	cannot be mentioned in Technical Bid format. Please clarify.	
	Refer Form FUNC at page no. 80 of Section-IV. We understand that here bidder to mention the Losses (NLL, LL and Auxiliary Loss) proposed for offered Power Transformer. Please confirm.	Modified Vol I & Vol II uploaded.
	Refer the clause no. 37 of Section-VII. It is not clear that if the project affected by the event of Force Majeure, the payment of all executed work at site will be paid by Customer or not. Please clarify.	Notwithstanding GC Sub-Clause 37.5, Force Majeure shall not apply to any obligation of the Employer to make payments to the Contractor herein. Modified Vol I uploaded.
	Refer the Appendix-4. No. of days as mentioned in Table and as mentioned in Para 6 is not matching with each other. Please check	The time schedule for commissioning of the proposed stations in either of the LOTS shall stand revised to 12 months from the Letter of award/Letter of intent (as applicable) including monsoon period. Modified Vol I uploaded.
	Refer the clause no. 4.4 of Section-IX (Appendix-8) and PC clause no. PC30. Please clarify whether limit of liability is 100% of Project value or 110% of Project Value	Modified Vol I and Vol II uploaded.
	The file "Volume -II (2 of 3)" available on Website is having some problem while opening. Please check	Modified "Volume -II has been uploaded
	Refer the Declaration form at page no. 71 in Section-IV.	Modified Vol I uploaded.

	As per point no. 3, we are to mention Make of equipment and Value to get the Certificate. Also as per point no. 4, we cannot modify this list once tender will be opened. But it is very difficult to freeze the single vendor name during bidding stage. Secondly, Value cannot be mentioned in Technical Bid format. Please clarify.	
Tender Notification- Qualifying Requirement Cl. 3.2 of Sl. No. 6	TRANSMISSION LINE :For one lot Should have constructed 220/66kV Transmission Line or above category on Total Turnkey basis or Partial Turnkey basis to an extent equivalent to the length of the line proposed in the tender or to an extent of 25 kms whichever is less in the last Seven years preceding the date of Bid submission, out of which 50% of the above quantity or 15 Km whichever is less shall be in satisfactory service for a period of One year prior to the date of submission of the Bid	“220/66kV” shall be read as “220kV” only in the Qualifying Requirement of TRANSMISSION LINE as 66kV Transmission Line are not envisaged in this package. Modified Vol I uploaded.
Tender Notification- Qualifying Requirement Cl. 3.2 of Sl. No. 6	Tender calls for 220/66kV Transmission Lines as Prequalification requirement from Bidders. Please clarify bidders having PQR for Tr. Lines from 66kV upto 132kV are also eligible to participate. Also, please clarify Contractors meeting PQR of Transmission line with 66kV upto 132kV can be considered as a Sub contractor (without Consortium) by the main bidder for meeting the prequalification	Clause 3.2 of NIT specifies that: Bidder Should have constructed 220kV Transmission Line or above category on Total Turnkey basis or Partial Turnkey basis..... As such, the bidders request for having PQR for Tr. Lines from 66kV upto 132kV can not be considered for participating in the tender. Since the work is awarded to the main contractor the experience of the sub contractor /labour contractor cannot be considered as a qualifying requirement for

	requirement.	awarding the work to main contractor. Modified Vol I uploaded.
General	We understand, in price schedule sheet "BOQ Station", quantity of varies equipment indicated for per substations only.	In the BOQ wherein the quantity / station is indicated, the bidder shall have to multiply by 4 times and to be indicated in Lot 1 and similarly for Lot 2. If participating in both the lots, the total quantity is the sum of Lot 1 & lot 2. However, in the BOQ for transmission lines for Lot1 at Annexure 13 & 14 and for Lot 2 at Annexure 15&16, the quantities indicated are on Lot wise basis for 4 stations in each lot.
General	We understand, bidder to quote unit rate for all 4 substation in lot-1 & lot-2. Bidder shall be paid as per actual quantity measured during execution.	The quantities provided in the Bid document are only provisional. However, the detailed engineering drawings are to be got approved prior to execution of the work for assessing the actual quantity. Modified Vol III uploaded.
General	We understand layout and SLD shall be common for all 4 substation in lot-1 and lot-2.	Yes
General	We understand all statutory approval shall not be in bidder's scope.	All clearance and approvals required by Bidder's except the following shall be obtained by KSPDCL: 1. Drawing & safety Approval by Chief Electrical Inspector, GoK.

		<p>2. RT and RD Pre Commissioning approval – RT Department, KPTCL.</p> <p>3. Station Commissioning and pre commissioning by – KPTCL and ESCOM.</p> <p>4. Material inspection by TA&QC wing, KPTCL</p>
General	Please provide the line length for all the substations.	Modified Vol III uploaded. However, conducting the detailed survey vests with the Successful Bidder subject to approval by KSPDCL.
General	We understand, supply of PLCC for remote end is not in bidder's scope	The provision for PLCC system has been deleted in the BOQ station. Modified Vol III uploaded.
Volume IIA , 1 of 3 Appendix-3, Part 1 of 2	<p>Technical Parameters of Current Transformers (Type & Rating)</p> <p>It is mentioned as "Please refer uploaded scanned copy of APPENDIX-3 Technical particulars for Current Transformers". Appendix 3 is missing in the uploaded documents. Request to furnish the same.</p>	Modified Vol II uploaded.
Tech. Spec. Vol II 1 of 3 page 12 of 14, Volume-IIA Annexure-II Section-I S.No 5 Altitude - up to 1500 Mtr.	As per mentioned clause altitude is upto 1500 Mts but as per Tech. Spec. 2.Vol ii a (2 of 3) page 66, Cl3.0 (f) Maximum altitude above mean sea level [Mtrs] is 1000 Mets. Please clarify the requirement.	For all the proposed 8 stations, the details provided in Vol IIA 1 of 3, page 12 of 14 i.e altitude - up to 1500 Mtr shall be considered.
Tech. Spec. 2.Vol ii a (2 of 3) page 64, Cl1.01 Scope.	<p>Parallel operating equipments</p> <p>We will provide RTCC panel which will suitable for parallel operation. Apart from this all equipment accessories required for parallel operation shall not be our scope.</p>	Parallel operation of power transformers is in the bidder's scope.
Tech. Spec. 2.Vol ii a (2 of 3) page 66,	The transformers shall be designed to suit the same "rail	Requirement is not applicable for

CI 4.02 (b)	<p>track" provided for the already existing 100MVA transformers at 220 KV Hoody and Hebbal Stations.</p> <p>We understand that mentioned requirement is not applicable for present package. Please confirm.</p>	present package.
Tech. Spec. 2.Vol ii a (2 of 3) page 67, CI 7.03	<p>MV & TV Fault level</p> <p>Please specify the short circuit level for MV (66 kV) & TV (11 kV) Winding.</p>	<p>The accessories of the transformer like bushings CTs etc., shall be designed to withstand short time current rating of 40KA.</p> <p>Modified Vol II uploaded.</p>
Tech. Spec. 2.Vol ii a (2 of 3) page 75, CI 9.03.01 j(1)	<p>At the option of the purchaser, a large valve may be furnished with an eccentric reducer.</p> <p>Requirement is not clear. Please clarify the same.</p>	<p>One drain valve - 100 mm (4") flanged at the bottom of the tank to completely drain the tank. At the option of the purchaser, a large valve may be furnished with an eccentric reducer. This valve shall be equipped with a small sampling cock. Also another sampling cock shall be provided at the top of the tank.</p> <p>Modified Vol II uploaded.</p>
Tech. Spec. 2.Vol ii a (2 of 3) page 80, CI 9.03.09 'E	<p>There will be minimum eight probes inside the transformer, out of which one probe should be installed in top of the transformer for the detection of top oil temperature.</p> <p>We understand that we have to supply 1 Probe in each phase of MV (66kV) & HV (220 kV) winding (6 No's Total) & 1 No for top oil & last 1 quantity as spare for top oil. Please confirm our understanding.</p>	<p>Yes.</p> <p>Modified Vol II uploaded.</p>
Tech. Spec. 2.Vol ii a (2 of 3) page 82, CI 9.05.01 'a)	<p>The oil shall be got tested by R&D section, KPTCL before filling and after filling into the transformer (before</p>	<p>R&D section, KPTCL will conduct oil test duly collecting nominal</p>

	energizing) as per relevant standards. We understand that mentioned test by KPTCL R&D Section are free of cost. Please confirm.	charges.
Tech. Spec. 2.Vol ii a (2 of 3) page 82, CI 9.05.01 'c)	For 100MVA & 150MVA transformer, the supplier shall dispatch the transformer filled with an atmosphere of Nitrogen. Transformer shall be dispatch filled with dry air.	For 100MVA & 150MVA transformer, the supplier shall dispatch the transformer filled with an atmosphere of Nitrogen.
Tech. Spec. 2.Vol ii a (2 of 3) page 84, CI 9.07.00 'e)-2	When bushings have an under -oil end of re-entrant form, the pull – through lead shall be fitted with thea gas bubble deflector.	Yes.
Tech. Spec. 2.Vol ii a (2 of 3) page 89, CI 9.10.02 'd)	The OLTC oil chamber shall have oil filling and drain plug, oil sampling valve, relief vent and level glass, It shall also be fitted with a Buchholtz relay the outlet of which shall be connected to a separate conservator tank. We understand that mentioned Buchholz relay is oil surge relay . Please confirm.	Yes. Buchholz relay may be read as oil surge relay.
Tech. Spec. 2.Vol ii a (2 of 3) page 89, CI 9.10.02 'd)	A dial type indicating thermometer of rolrest pattern shall be provided for OLTC and mounted in the side of transformer at convenient height to read the temperature in the hottest part of the oil fitted with alarm and trip contacts We will provide PT sensor at top of OLTC chamber to measured OLTC oil temperature & meter at marshalling box to display its reading.	Yes.
Tech. Spec. 2.Vol ii a (2 of 3) page 94, CI 9.11.02 'h)(ii)	Motor and oil pump shall be enclosed in an oil tight container with motor leads brought through a hermetically sealed bushing. We will supply Inline Axial Flow pump in which pump motor will be enclosed in air filled container. Please confirm.	Inline Axial Flow pump shall perform the same action as a motor and oil pump.
Tech. Spec. 2.Vol ii a (2 of 3) page 97, CI 9.11.03e)	Glazed door of suitable size shall be provided for convenience of reading.	The temperature indicators shall be so mounted that the deals are

	Cooler control Box / Marshalling box will have glazed window (Not fully Glazed door) to read temperature indicator reading.	not more than 1600 mm from ground level. Glazed door of suitable size shall be provided for convenience of reading.
Tech. Spec. 2.Vol ii a (2 of 3) page 108, Cl 9.16.00 ii)	ii) Temperature indicator compatible with SCADA We will provide 4-20 mA output of temperature indicator for SCADA Communication as per Note b Page 108.	Yes.
Tech. Spec. 2.Vol ii a (2 of 3) page 117, Cl 12.2.2.1	The temperature rise test shall be conducted at a tap for the worst combination of loading on the three windings of the transformer. As per Technical specification 11 kV winding is for stabilizing purpose (Unloaded), hence worst combination of loading on the <u>three windings of the transformer</u> will not be applicable.	The temperature rise test shall be conducted at a tap for the worst combination of loading on the three windings of the transformer. The Contractor before carrying out such test shall submit detailed calculations showing alternatives possible, on various taps and for the three types of ratings of the transformer and shall recommend the combination that results in highest temperature rise for the test.
Tech. Spec. 2.Vol ii a (2 of 3) page 118, Cl 12.2.3.7	Dynamic short circuit withstand test shall be carried out as per IEC 60076-5/ IS 2026-5. We do not envisage any performance of Short circuit test on transformer, however we will carried out design review as per cl 7.00 B (Page 69) & submit short circuit calculation to proof transformer short circuit withstand capability.	Conducting dynamic short circuit withstand test can be considered for waiver subject to condition that the design provided by the bidder shall be got approved by competent agency.
Annexure-A Page 133 Note for both Sl. Nos 17 & 18 6(a)	In case the Bidder indicates the losses as Maximum in the Bid, it will be considered that the Bidder has included 10% tolerance as per IS and the Guaranteed	a) In case the Bidder indicates the losses as Maximum in the Bid, it will be considered that the

	<p>loss will be arrived by deloading 10%. We understand that if we indicate the losses as maximum, then during factory test these losses should be within the guaranteed value & no penalty will impose because of same. Please confirmed our understanding.</p>	<p>Bidder has included 10% tolerance as per IS and the Guaranteed loss will be arrived by deloading 10%. b) In case the Bidder indicates the tolerances, penalty will be levied as per para no. 8.05 and 8.09 to an extent of the limit of the tolerance quoted.</p>
Annexure-A Page 133 S.No 19B Note 3)	<p>The tolerance for the above impedance values shall be as per IS 2026-Part 1(2011) or latest version. As per specification, required impedance value between HV-LV & IV-LV are min. at rated MVA, hence IS tolerance (Positive or negative) limit is not applicable for same. Please confirm.</p>	<p>HV – LV: 25%, (Minimum) at line MVA IV – LV: 30% (Minimum) at line MVA</p>
Tech. Spec. 2.Vol ii a (2 of 3) page 24, CI 25.2	<p>The, support structures should be hot dip galvanized with minimum 610 gram / m2 net of zinc. Support structure used for transformer & transformer structure shall be paint as per procedure mentioned under Tech. Spec. 2.Vol ii a (2 of 3) page 105 CI 9.13.04 only.</p>	<p>The, support structures for transformer & transformer structure should be hot dip galvanized with minimum 610 gram / m2 net of zinc.</p>
Section - VII, GCC14	<p>Taxes and Duties Any additional tax impact on manufactured items / bought out goods that will arise because of GST implementation, shall be entirely passed on to the customer. Please confirm the same.</p>	<p>In case of any statutory variation in taxes/duties/levies or if any tax/duty/levy is newly introduced by the Government applicable for this Contract with effect from the next day of the date of submission of the bid these variations/additional taxes/duties/levies will be to the account of the owner. In case</p>

		<p>the Bidders indicate lesser rates of taxes and duties with reference to the prevailing rates of taxes and duties at the time of bidding any variations in the taxes and duties would be paid/recovered keeping the rates of taxes and duties applicable as on the date of bid opening as the base and not the quoted rates of taxes and duties for payment/recovery of difference in the taxes and duties. If the Contractor is required to pay additional tax or duty, then the owner shall reimburse the Contractor the additional tax or duty so paid by the contractor against submission of documentary evidence to the satisfaction of the owner by the contractor. This provision will not be applicable to transaction between the contractor and his sub-suppliers, sub-contractors for raw materials, for 'bought out' items etc., and will be applicable only for the 'own/direct transactions' between the contractor and the owner for the materials supplied from his own manufacturing units and erection and civil works. Modified Vol I uploaded.</p>
Section - VII, GCC 14	Taxes and Duties	In case of any statutory variation

	<p>We presume, If any rates of Tax are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs during the pendency of the Contract, the same shall be passed on to the Employer. And this Statutory Variation is applicable for both Own manufactured items and Bought out items. Please confirm.</p>	<p>in taxes/duties/levies or if any tax/duty/levy is newly introduced by the Government applicable for this Contract with effect from the next day of the date of submission of the bid these variations/additional taxes/duties/levies will be to the account of the owner. In case the Bidders indicate lesser rates of taxes and duties with reference to the prevailing rates of taxes and duties at the time of bidding any variations in the taxes and duties would be paid/recovered keeping the rates of taxes and duties applicable as on the date of bid opening as the base and not the quoted rates of taxes and duties for payment/recovery of difference in the taxes and duties. If the Contractor is required to pay additional tax or duty, then the owner shall reimburse the Contractor the additional tax or duty so paid by the contractor against submission of documentary evidence to the satisfaction of the owner by the contractor. This provision will not</p>
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		<p>be applicable to transaction between the contractor and his sub-suppliers, sub-contractors for raw materials, for 'bought out' items etc., and will be applicable only for the 'own/direct transactions' between the contractor and the owner for the materials supplied from his own manufacturing units and erection and civil works.</p> <p>Modified Vol I uploaded.</p>
<p>General</p>	<p>Please add the clause for No nuclear use.</p> <p>No nuclear use:It is understood that the Material/ equipment/services sold by the Supplier/ contractor are not intended for use in connection with any nuclear facility or activity, and the Owner warrants that it shall not use or permit any third party to use the material/ equipment/ services for such purpose, without prior written consent of Supplier/ Contractor.</p> <p>If in breach of this, any such use occurs, the Contractor (and its parent, affiliate, suppliers and subcontracts) disclaims all liability for any nuclear or other damage, injury or contamination, in addition to any other rights it may have under the Contract or law. Owner shall indemnify the Contractor against all such liability. Consent of Contractor under this section to any nuclear use, if any, will be conditioned upon additional terms and conditions that it may determine as acceptable for protection against nuclear liability.</p>	<p>Not applicable.</p>

	<p>The Owner shall indemnify the Contractor for any and all claims arising out of or related to contaminated or hazardous materials:</p> <ul style="list-style-type: none"> • Pre-existing at the site/Works • Improperly handled by customer • Brought, generated, produced or released on site by others executing the Related Works by other Contractors at Site 	
Tender Notification Cl. 5.0	<p>Bid Security (EMD) We request KSPDCL to accept Bank Guarantee for the complete EMD value i.e INR 210 lakhs for Lot I and INR.190 lakhs for Lot II</p>	<p>Rs. 10.00 Lakhs shall be paid through e-procurement, balance of shall be paid through separate BG's for each of the Lots. Modified Vol I uploaded.</p>
General	<p>Construction of the contract - Divisible contract We understand that KSPDCL will issue three separate contracts i.e Supply contract, ETC contract and Civil contract, please confirm</p>	<p>Contract will be awarded on total turnkey basis including supply of all Materials, Erection (including Civil Works), Testing and Commissioning. Modified Vol I uploaded.</p>
Section IX- Contract Forms Appendix - 1 - Price Adjustment	<p>Supply 10% of the total EXW amount as an advance against receipt of invoice, and an irrevocable advance payment security for the equivalent amount. 80% of the EXW amount along with the 100% Taxes & duties against despatch Documents on pro rata basis against Sight Letter of Credit. 10% of the total EXW amount against Commissioning within 30 days. Should there be a delay in commissioning due to reasons not attributable to the bidders, the 10% payment shall be released within 30days from the date of submission of invoice.</p>	<p>Modified Vol I uploaded.</p>
Installation Services	<p>10% of the total EXW amount as an advance against receipt of invoice, and an irrevocable advance</p>	<p>Modified Vol I uploaded.</p>

	<p>payment security for the equivalent amount 80% against completion of works on pro rata basis against Sight Letter of Credit.</p> <p>10% of the total EXW amount against Commissioning within 30 days. Should there be a delay in commissioning due to reasons not attributable to the bidders, the 10% payment shall be released within 30days from the date of submission of invoice.</p>	
	<p>We request to accept Price Variation Clause as per IEEEEMA for the equipment offered.</p>	<p>Contract Price Adjustment:</p> <p>The Prices, only for the following items, quoted by the Bidder shall be VARIABLE in accordance with the relevant IEEMA/CACMAI Price Variation Formula and Indices without ceiling during the contractual delivery period. Price Variation is not admissible for other Items. The base date applicable for Price Variation is the date of Tendering i.e., date of Techno-Commercial Bid Submission date as notified (either original or extended) as per IEEMA/ CACMAI Circulars:</p> <p>I Equipments / Materials :</p> <p>13) Power Transformers 14) Circuit Breakers / Switchgears. 15) Conductors & Ground</p>

		<p>Wires.</p> <p>16) Lightning Arresters. 17) Transformer Oil. 18) Tower Parts, equipment mounting/Station Structures. 19) Control Cables. 20) HT UG Cables 21) Conductor Hardware. 22) Battery & Battery Chargers. 23) Instrument Transformers. 24) Insulators</p> <p>II. In respect of above Electrical goods covered under works contract / procurement shall be in accordance with the relevant IEEMA / CACMAI Price Variation formulae and indices.</p> <p>III. In respect of Turnkey Projects involving Civil Works and Erection Portion shall be as per relevant Formulae as evolved by IEEMA. However, as far as admissibility of price variation towards erection and civil works is concerned, the same would be restricted to below appended activities only.</p> <p>d) Concreting (With or without steel reinforcement)</p>
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Sd/-
Chairman
KSPDCL