

Clarification No-01 to the Bidding Documents for Package-A: Procurement of spare 420kV, 1250 Amps Resin Impregnated Paper (RIP)/ Resin Impregnated Synthetic (RIS) Bushings under O&M; Spec. No.: GEM/2022/B/2352407

S. No.	Volume/ Section/ Description	Clauses	Queries asked by the bidder	POWERGRID's clarification
1.0	ITB Clause 3.0, Section II INSTRUCTION TO BIDDERS (ITB) of BuyerATC	<p>.....</p> <p>..... Bidders are required to quote Local/Inland transportation, In-transit insurance, loading and unloading (F&I) charges as per BOQ. The F&I charges for 500 KM distance as per BOQ shall be used for bid evaluation. However, the payment of the F&I Charges shall be made on actual distance basis. The computation of the distance for such payment shall be based on the shortest feasible distance by National Highway, State Highway or other roads, in the order of preference, as indicated on such resources as Internet websites like Google Maps, Map my India. Further, Bidders are required to mention the location of their plant(s) from where supplies are proposed to be made for subject package in their bid in Form No-4 (<i>Declaration of Key Managerial Person jointly with Power of Attorney holder</i>) of Bid attachments.</p> <p>.....</p> <p>.....</p>	Request to provide clarification with illustration / example if the freight to be quoted is considering only 500km distance from location of the plant	Provisions of the Bidding Documents are amply clear.
2.0		<p>1. How distance should be calculated from OEM location to all sites (For e.g. 500kms from Vadodara to site for bidding purpose)</p> <p>2. Please provide a sample calculation for F&I including GST to be considered for any particular site/ lot</p>	<p>Example:</p> <p>(a) Let the Actual Distance between Plant of Supplier and consignee location (during project execution) is 750 km (as per provisions of bidding documents).</p> <p>As per bid, F&I Charges corresponds to 500km distance between the plant and consignee (as taken for evaluation purpose also).</p> <p>Hence, payment of the F&I Charges shall be made as per actual distance of 750 km on pro rata basis by multiplying the quoted F&I charges by fraction 750/500 with all other conditions as per provisions of bidding documents.</p>	

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3.0	BoQ- 420kV		Kindly specify the scope to be covered under Incidental services	Provisions of the Bidding Documents are amply clear. Refer clause 2.0 (b) and 2.0 (c) of GTC.
4.0			Please define the Incidental services - scope, time period, type of services to be included	
5.0	Annexure-A to Section-II/ QUALIFYING REQUIREMENT/ Clause 1.0		Can we qualify through Route 1 considering our Global factory supply reference	Provisions of the Bidding Documents are amply clear.
6.0	SECTION - PROJECT/ Clause 2.0, pg. no. 2		We request to consider unloading at site in POWERGRID's scope	Unloading shall be in the scope of Bidder. However, POWERGRID shall provide testing instruments for site acceptance test without any additional cost implication to bidder. Contractual obligations regarding warranty and other issues shall remain in the scope of bidder.
7.0			Please define if unloading is in 'Vendor' or 'Customer' scope. Due to remote and multiple site locations, it is requested to PGCIL to keep Unloading in PGCIL's scope for simplicity & avoid delays on receipt of Bushing at site.	
8.0	Section Project - Technical Specification	RIP/RIS Bushing shall be Oil to Air type intended to be used with one side immersed in oil and	During pre-bid meeting it was confirmed that Draw lead is to be supplied by bidder from top to	Draw lead along with associated accessories including connectors/ studs at both ends of the Bushing lead has to

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		<p>other in ambient air. Bushing housing shall be with composite insulator. 420kV, 1250A Bushing shall be draw lead type. Leads are to be supplied along with the Bushings. The Bushing leads shall be connected to the winding leads. The connection arrangement shall be reviewed during detailed Engineering. Dimensions of 420kV RIP/RIS bushing shall be as per drawing enclosed at Annexure II.</p>	<p>bottom flange of bushing without connector.</p> <p>Connection of lead coming from winding with bushing lead along with connector / adaptor shall be in POWERGRID's scope</p>	<p>be supplied, in line with the requirement of Technical specification.</p> <p>The connection arrangement of the Bushing lead (to be supplied by bidder) with the winding lead shall be finalized during detailed engineering.</p> <p>Work of Connection of lead coming from winding with bushing lead shall be in POWERGRID's scope.</p>
9.0	3.5, Section Project - Technical Specification	<p>Clamps and fittings shall be of hot dip galvanised/stainless steel.</p>	<p>We have not envisaged supply of Terminal connector / Hardware in our scope of supply</p>	<p>Noted. However, all metal parts including top & bottom corona shield ring (as applicable), bottom terminal pad, top terminal stud etc as per specification are envisaged in present scope.</p>
10.0	3.8, Section Project - Technical Specification	<p>The offered bushings should be type tested including seismic test as per latest IEC 60137. The bidder shall submit the type test reports. If type test including seismic test has not been conducted on offered bushing, same shall be carried out by the</p>	<p>Recently we have type tested 420kV Bushing with Solid Stem (SS) as per POWERGRID latest specification. We will modify the bushing to suit Draw lead requirement as per tender. We shall however carry out Temperature Risetest only as</p>	<p>In case bidder has carried out Type test on 420kV Bushing as per POWERGRID latest specification and the offered Bushing is identical to the Type tested Bushing except current carrying part i.e. Bottom connected Bushing to Draw lead Bushing, the earlier conducted Type test shall be acceptable except</p>

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		bidder at their own cost during execution of the contract. Seismic test on Bottom connected bushing of similar dimension and rating shall also be acceptable.	there is no change in primary insulation and only current carrying conductor is replaced by copperlead. We have not envisaged repetition of any other type test including Seismic / Snap Back test for the Draw lead type bushing being offered. We request your confirmation.	Temperature rise test. To prove the identity, successful bidder shall submit comparison sheet during detailed Engineering stage for review and approval of POWERGRID. In case the offered Bushing is not identical to the Type tested Bushing except current carrying part, Bidder has to carry out Type test on Bushings.
11.0	Bid Document/ Item Category, pg. no. 1		<p>i. Please define what is required under the Metal parts for each Bushing.</p> <p>ii. We will supply 1 no. lifting tool for respective rating of Bushing for each region (9 nos.), please confirm</p>	<p>i. Metal parts shall include top & bottom corona shield ring (as applicable), bottom terminal pad, top terminal stud etc. for complete Bushing.</p> <p>ii. Noted</p>
12.0	SECTION - PROJECT (Annexure IV)/ Route 2 & 3, pg. no. 9		At which stage and for how many days, OEM engineer supervision/ presence is required?	Technical requirement is ample clear in the specification/ Bidding document. Bidders to assess Presence of OEM supervision & quote accordingly.
13.0	SECTION - PROJECT/ Clause 3.8, pg. no. 3		We have performed type tests on 420kV Bushing with bottom connection and we will submit comparative statement for applicability of same Type tests	In case bidder has carried out Type test on 420kV Bushing as per POWERGRID latest specification and the offered Bushing is identical to the Type tested Bushing except current carrying part

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			for 420kV Bushings with Draw lead type application. Please confirm.	i.e. Bottom connected Bushing to Draw lead Bushing, the earlier conducted Type test shall be acceptable except Temperature rise test. To prove the identity, successful bidder shall submit comparison sheet during detailed Engineering stage for review and approval of POWERGRID.
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