

Enquiry	11/0.433kV CRT transformer - various ratings		
NIT	CMC/BR/26-27/FK/PR/RJ/1345		
Sno.	Clause description as per	Vendor Clarification	BRPL reply
	Qualification Criteria:-		
2	The prospective bidder must qualify all of the following requirements to be eligible to participate in the bidding. Bidders who meet following requirements will be considered as successful bidder and management has a right to disqualify those bidders who do not meet these requirements.		
1	The bidder should have own manufacturing facility in India for Dry Distribution transformer of similar rating or higher since last 3 years. Manufacturing and factory incorporation certificate/ undertaking are submitted by bidder. The details of manufacturing units, locations and works from where supply against this tender shall be proposed to be furnished.	We have a long association with BRPL and we are a continuous supplier of transformer. We have expanded our facility and resumed the factory setup for production of Dry Type Transformer	This shall be in accordance with the qualification criteria, no deviation shall be allowed.
9.4	Type Tests		
	On one transformer of each rating and type at CPRI/ERDA. i) Impulse withstand test on all three HV limbs of the transformers for chopped wave as per standard. ii) Temperature rise test as per IS Note – Purchaser may choose to carry out short circuit, impulse & temperature rise test on one unit from a lot offered for inspection at CPRI/ERDA lab . Cost of such tests shall be borne by the bidder.	We request you to accept our in-house NABL accredited testing facility for the same.	It shall be in accordance with technical specification, no deviation shall be allowed..
9.5	Special Tests		
	(i) Dynamic & Thermal (3 sec) Short Circuit Test as per IS 2026 at CPRI/ERDA	Shall be shared shared during detail engg. Detail calculation shall be shared for Short circuit analysis	It shall be in accordance with technical specification, no deviation shall be allowed.
	(ii) Measure of zero seq. impedance (Cl. 16.10 IS 2026 Part I).		
	(iii) Measurement of acoustic noise level (Cl. 16.12 of IS 2026 Part I).		
	iv) Measurement of harmonic level on no load current.		
	v) Partial discharge test.		
	vi) Enclosure Ingress protection at CPRI/ERDA	We request you to accept our in-house NABL accredited testing facility for the same.	It shall be in accordance with technical specification, no deviation shall be allowed.
	vii) High voltage withstand test shall be performed on the auxiliary equipment and wiring after complete assembly. Cost of such tests, if extra, shall be quoted separately by the Bidder.		
9.6	Notification to bidders		
	In case bidder had conducted type & special tests from CPRI/ERDA on BSES design and there is no design change in the transformer less than 10 year from the date of the bid opening, then bidder need not to conduct the type test from CPRI/ERDA lab. The bidder shall submit the under taking that there is no change in design with respect to type tested design.	We request you to accept our in-house NABL accredited testing facility for the same.	It shall be in accordance with technical specification, no deviation shall be allowed.
	The product offered must be of type tested quality. In case the product offered is never type & special tested the same (as per above clause 9.4.& 9.5), is to be conducted by bidder at his own cost at CPRI/ERDA	We request you to accept our in-house NABL accredited testing facility for the same.	It shall be in accordance with technical specification, no deviation shall be allowed.
9.7	Customer Hold Point		
	i) GTP & Drawings approval		

	ii) Core Inspection(See CI No 9.1.2) Sample to be tested at CPRI/ERDA for each lot.	We request you to accept our in-house NABL accredited testing facility for the same.	It shall be in accordance with technical specification, no deviation shall be allowed.												
	iii) Core & Coil Stage inspection of each lot to be offered for final testing.														
	please note that as per section-IV quantity & delivery requirement, sl. No. 4, 5 Nos. 1500 KVA rating of transformers is required.	However, as per technical specification no. BSES-TS-13-CRDT-R1, rating of transformer is 1600 KVA instead of 1500 KVA. We would request you to kindly check and confirm the rating. In case 1500 KVA is required, please let us have technical details like losses, impedance, CT ratio, cable sizes etc. to be considered for this rating to enable us to consider and submit bid accordingly.	It shall be in accordance with technical specification ie 1600 KVA, no deviation shall be allowed.												
	We don't have certification of E2/C2/F1 as testing facility is also not available in India. Mostly transformer OEM have same Certificate with via joint venture or tie-up from a foreign company. We can submit declaration that supplier to provide material (resin) complying required conditions. <table><tr><td>3.15.2</td><td>LV</td><td>Solidly earthed</td></tr><tr><td>3.16</td><td>Fire Protection Class</td><td>Class F1 shall be required</td></tr><tr><td>3.17</td><td>Climate Class</td><td>C2 shall be required</td></tr><tr><td>3.18</td><td>Environment Class</td><td>E2 shall be required</td></tr></table>	3.15.2	LV	Solidly earthed	3.16	Fire Protection Class	Class F1 shall be required	3.17	Climate Class	C2 shall be required	3.18	Environment Class	E2 shall be required		it shall be in accordance with technical specification, no deviation shall be allowed.
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	Short Circuit test report of same. Kindly provide waiver on short circuit criteria. <table><tr><td>9.5</td><td>Special Tests</td><td> Cost of such tests shall be borne by the bidder. On one transformer of each rating and type i) Dynamic & Thermal (3 sec) Short Circuit Test as per IS 2026 at CPRI/ERDA </td></tr></table>	9.5	Special Tests	Cost of such tests shall be borne by the bidder. On one transformer of each rating and type i) Dynamic & Thermal (3 sec) Short Circuit Test as per IS 2026 at CPRI/ERDA	ttached higher/equivalent	It shall be in accordance with technical specification, no deviation shall be allowed.									
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