

**CORRIGENDUM:****NIT Reference:**

1. CMC/BR/24-25/RB/PR/RJ/1208 (Rate Contract for supply of 250kVA oil type Distribution Transformer in BRPL)
2. CMC/BR/24-25/RB/PR/RJ/1207 (Rate Contract for procurement of various ratings of oil type Distribution Transformer in BRPL)

**Technical Specification No: BSES-TS-12-TRDU-R1**

	<b>In addition to the BSES technical specification following points to be complied by Bidder:</b>
1	Age of CRGO shall not be more than 1 year old from the date of award of P.O.
2	During execution of P.O., in any lot, if vendor offering any alternate make and grade of CRGO from approved make list which differ in make of CRGO, which they supplied in earlier lot, same shall be treated as new make of CRGO and complete test shall be conducted at CPRI/ERDA by the vendor without any cost implications to BSES
3	Supply of 10% extra transformer oil- Bidder need not to supply the same, clause waived off.
4	Connection for DT meter to be tapped from LT main bus bar, same to be done through tinned copper thimbles.
5	There should be no joint across breather pipe, it shall be fabricated using single piece of pipe
6	<p>i. To participate in the tender, offered product of same or higher ratings of distribution transformer must be type tested (including special test) from CPRI/ERDA. Validity of the type test shall be considered for 5 years for Non-BSES design &amp; 10 years for type tested product with BSES design from the date of bid opening subject to no design changes of type tested offered product</p> <p>ii. In case of bidder participated with higher rated type tested (including special test) distribution transformer and PO awarded by BSES, bidder has to conduct type test (including special test) from CPRI/ERDA after preparation of 1<sup>st</sup> sample transformer. BSES shall seal the transformer for type testing and may witness the tests if required (for test details please refer clause no 9.4 and 9.5 of the technical specification).</p> <p>iii. Bulk manufacturing clearance shall be given after successful completion of type tests from CPRI/ERDA</p>
7	If one minute IR value is above 5000 Mohms and it is not be possible to obtain an accurate 10 minutes reading, in such cases polarization index can be disregarded as a measure of winding condition.-Clause Removed
8	Temperature Rise Test shall be conducted on each rating of transformer in in-house

	testing laboratory. Test shall be conducted once per purchase order.
9	Dissolved Gas Analysis (DGA) before and after temperature rise test on each rating of transformer shall be conducted from CPRI/ERDA. Test shall be conducted once per purchase order.
10	<p>Additional neutral bus bar</p> <ol style="list-style-type: none"> <li>1. Size and type shall be same as per the main neutral busbar</li> <li>2. Busbar shall be tapped from the main neutral bus bar using nut, bolts and support insulator inside the LV cable box and same shall be extended upto 200mm(minimum) below the gland plate</li> <li>3. Additional neutral bushing, palm connector and their protection box shall not be provided</li> </ol>

**Special Note: In the event of new DTs delivered at BSES store & found defective:**

Sl no	Type of defect in major categories	Action		Location		Responsibility		Required Tests/Checks	Remarks
		Repairing	Replacement	OEM Works	BSES Store	OEM	BSES		
1	Oil leakage from radiator	X	√	√	X	√	X	<ul style="list-style-type: none"> <li>• Pressure test</li> <li>• Oil Breakdown Voltage test (BDV)</li> <li>• Insulation Resistance test (IR)</li> </ul>	Welding/M-seal/Putty etc. shall not be allowed
2	Oil leakage from tank top cover/ Conservator	√	√	√	√	√	X	<ul style="list-style-type: none"> <li>• Pressure test</li> <li>• Oil Breakdown Voltage test (BDV)</li> <li>• Insulation Resistance test (IR)</li> </ul>	Welding/M-seal/Putty etc shall not be allowed
3	Oil leakage from Tank body	√	√	√	√	√	X	<ul style="list-style-type: none"> <li>• Pressure test</li> <li>• Oil Breakdown Voltage test (BDV)</li> <li>• Insulation Resistance test (IR)</li> </ul>	M-seal/Putty etc. shall not be allowed

SI no	Type of defect in major categories	Action		Location		Responsibility		Required Tests/Checks	Remarks
		Repairing	Replacement	OEM Works	BSES Store	OEM	BSES		
4	Incomplete/ Damaged accessories	X	√	X	√	√	X	Routine Test Certificates (RTC) of replaced accessories required	
5	Low Oil level in tank	√	X	X	√	√	X	<ul style="list-style-type: none"> <li>• Pressure test</li> <li>• Oil Breakdown Voltage test (BDV)</li> <li>• Insulation Resistance test (IR)</li> </ul>	
6	Dent on Tank body (Minor)	√	√	√	√	√	X	<ul style="list-style-type: none"> <li>• Magnetic Balance test</li> <li>• Ratio Test</li> <li>• Insulation Resistance test (IR)</li> <li>• No load test ( LT Side supply)</li> </ul>	
	Dent on Tank body (Major)	X	√	√	X	√	X	<ul style="list-style-type: none"> <li>• Complete replacement of the tank</li> <li>• Complete test (Routine &amp; acceptance) shall be conducted in accordance with Tech. Specification</li> </ul>	
7	Wiring/ Connection	√	X	X	√	√	X	<ul style="list-style-type: none"> <li>• Functionality test</li> <li>• High Voltage withstand test</li> </ul>	

SI no	Type of defect in major categories	Action		Location		Responsibility		Required Tests/Checks	Remarks
		Repairing	Replacement	OEM Works	BSES Store	OEM	BSES		
								(2kV)	
8	Others	---						BSES decision shall be final	