

NIT NO: CMC/BY/24-25/RS/SkS/SV/10 (RFx - 2200000027)

CORRIGENDUM-3

Dated 23.07.2024

Refer to NIT No. CMC/BY/24-25/RS/SkS/SV/10 (RFx - 2200000027) dated 08.06.2024 for "RATE CONTRACT FOR SUPPLY OF ONAN COOLED TRANSFORMERS OF RATINGS 1000, 1600 & 2000 KVA 11/0.415KV".

Following revision(s) has been done in the NIT:

Sr No	Clause No.	Existing Clause Description	Amended Clause Description
1	4.2.2.4	Fittings and accessories on main tank conservator: (iv) Silicagel breather	In addition to the requirement mentioned in specification; There should be no joint across breather pipe, it shall be fabricated using single piece of pipe
2	4.2.8.2	Additional neutral bushing of porcelain outside on top of LT cable box with brass palm connector (as per IS 3347) shall be provided. The rating of additional neutral bushing should be same as phase bushing. Connection between the main neutral and additional neutral shall be provided. For extra neutral bushing, protection box shall be provided in order to prevent ingress of water.	<ol style="list-style-type: none"> 1. Additional neutral bus bar to be provided instead of bushing for neutral grounding. 2. Additional busbar to be tapped from the main neutral busbar using nut and bolts and support insulator inside the cable box and same shall be extended upto 200mm(minimum) below the gland plate. Nuts, bolts, washer and spring washer for grounding connection to be provided 3. The Size of busbar shall be same as per the main neutral busbar
3	4.2.10.8.11	Potential signal in CT box	Auxiliary AC voltage for DT meter to be tapped from LT main bus bar, same to be done through tinned copper thimbles.
4	9.1.2	Mother core coil	In addition to the requirement mentioned in specification; <ol style="list-style-type: none"> 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., if multiple makes and grades of CRGO are offered from approved make list for Core, complete test shall be conducted at CPRI/ERDA by the vendor on all makes and grades without any cost implications to BSES

5	9.2	<p>Routine tests Note: a)*Insulation resistance measurement shall be carried out at 5kV for HV and 1kV for LV. Value of IR should not be less than 1000 Mohms. Polarization Index (PI = IR10min/IR1min) should not be less than 1.5 (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.)</p>	<p>Insulation resistance measurement shall be carried out at 5kV for HV and 1kV for LV. Value of IR should not be less than 1000 Mohms. Polarization Index (PI = IR10min/IR1min) should not be less than 1.5.</p>
6	9.2	<p>Routine tests b) #Temperature rise test may be necessary to be carried one unit/lot. Purchaser's engineer, will at its discretion, select transformer for temp. rise test from any lot offered for inspection at manufacturer's works and witness the same for comparison with ERDA/CPRI type test results.</p>	<p>Temperature Rise Test shall be conducted on each rating of transformer in in-house testing laboratory. Test shall be conducted once per purchase order.</p>
7	9.4	<p>Type test Dissolved Gas Analysis (DGA): On one transformer of each rating and type at CPRI/ERDA.</p>	<p>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.</p>
8	9.6	<p>Notification to bidders</p>	<p>In addition to the requirement mentioned in specification; 1. 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. 2. In case of bidder participated with same or higher rated type tested (including special test) distribution transformer and PO awarded by BSES, bidder has to conduct type test and special tests from CPRI/ERDA on each rating of the 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). 3. Bulk manufacturing clearance shall be given after successful completion of type tests from CPRI/ERDA</p>
9	Annexure A Scope of supply, Sr no 1.1.12	<p>Supply of Extra Transformer oil 10 % in non returnable drums</p>	<p>Bidder need not supply the extra 10% oil as mentioned in scope of supply.</p>

Clause 7.0 Quality assurance: In the event of new DTs delivered at BSES store & found defective:

Sr 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"> Pressure test Oil Breakdown Voltage test (BDV) Insulation Resistance test (IR) 	Welding/M-seal/Putty etc. shall not be allowed
2	Oil leakage from tank top cover/ Conservator	√	√	√	√	√	X	<ul style="list-style-type: none"> Pressure test Oil Breakdown Voltage test (BDV) Insulation Resistance test (IR) 	Welding/M-seal/Putty etc shall not be allowed
3	Oil leakage from Tank body	√	√	√	√	√	X	<ul style="list-style-type: none"> Pressure test Oil Breakdown Voltage test (BDV) Insulation Resistance test (IR) 	M-seal/Putty etc. shall not be allowed
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"> Pressure test Oil Breakdown Voltage test (BDV) Insulation Resistance test (IR) 	-
6	Dent on Tank body (Minor)	√	√	√	√	√	X	<ul style="list-style-type: none"> Magnetic Balance test Ratio Test 	-

Sr No	Type of defect in major categories	Action		Location		Responsibility		Required Tests/Checks	Remarks
		Repairing	Replacement	OEM Works	BSES Store	OEM	BSES		
								<ul style="list-style-type: none"> Insulation Resistance test (IR) No load test (LT Side supply) 	
	Dent on Tank body (Major)	X	√	√	X	√	X	<ul style="list-style-type: none"> Complete replacement of the tank Complete test (Routine & acceptance) shall be conducted in accordance with Tech. Specification 	-
7	Control Wiring/ Connection	√	X	X	√	√	X	<ul style="list-style-type: none"> Functionality test High Voltage withstand test (2kV) 	-
8	Others	---						BSES decision shall be final	-

- The due date for bid submission has been extended to 30.07.2024, 14:00 Hours. The revised date & time of Opening of technical bids is 30.07.2024 at 15:00 Hours.**

All other terms and conditions as mentioned in the NIT No. CMC/BY/24-25/RS/SkS/SV/10 (RFx - 2200000027), subsequent addendum /corrigendum if any, BYPL reply to pre-bid queries shall be applicable.

This Corrigendum shall be an integral part of the subject tender documents and to be submitted along with bid.