

## ANNEXURE-D

TECHNICAL CONFIRMATION TO BE SUBMITTED FOR EACH TYPE OF OLTC ALONG WITH THE OFFER

PI NO:

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Sl	Technical Description	Technical Requirement	Vendor's confirmation & details	Remarks/ Deviation
1	TYPE OF OLTC	As per vendor nomenclature /ANNEXURE-1/2/3/4/5		
i	WINDING ARRANGEMENT	As per Annexure-1/2/3/4/5		
ii	OPERATING POSITION	As per Annexure-1/2/3/4/5		
iii	DIRECTION OF POWER FLOW	As per Annexure-1/2/3/4/5		
2	OLTC TYPE	High speed Transition resistor	Yes/No	
3	OLTC RATED CURRENT	As per Annexure-1/2/3/4/5	Yes/No	
4	OLTC TEST DATA	As per Annexure-1/2/3/4/5	Yes/No	
5	OLTC AUX. SUPPLY REQUIREMENT			
a)	ON LOAD TAP CHANGER MOTOR	415V, 3-PH, 50Hz.AC	Yes/No	
b)	ON LOAD TAP CHANGER CONTROL	110V, 1-PH, 50 HZ.AC (DRIVEN FROM 415V THROUGH AN AUXILIARY TRANSFORMER OF 415V/55-0-55V, 500VA RATING AND TO BE PROVIDED INSIDE THE OLTC LOCAL DRIVE UNIT BY THE OLTC MANUFACTURER)	Yes/No	
C)	THERMOSTATIC CONTROL HEATING & LIGHTENING	240V, 1-PH, 50HZ, AC.	Yes/No	
6	OLTC CONTROL REQUIREMENT & PROVISION FOR		Yes/No	
	a)	LOCAL ELECTRICAL	Yes/No	
	b)	REMOTE ELECTRICAL	Yes/No	
	c)	PARALLEL	Yes/No	
	d)	MANUAL	Yes/No	
	e)	AUTO	Yes/No	
6 (a)	POTENTIAL FREE CONTACTS FOR FOLLOWINGS:		Yes/No	
a)	OLTC MOTOR PROTECTION SWITCH TRIP	01 No	Yes/No	
b)	OLTC REACHED AT LOWEST POSTION	01 No	Yes/No	
C)	OLTC REACHED AT HIGHEST POSTION	01 No	Yes/No	
d)	TAP CHANGE IN PROGRESS	02 No	Yes/No	
e)	OLTC CONTROL SUPPLY 110V AC FAIL	02 No	Yes/No	
f)	OLTC CONTROL ON LOCAL & REMOTE	01 No	Yes/No	
SINGLE PHASE PREVENTER WITH PHASE REVERSE INTER-LOCK FACILITY			Yes/No	

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7	RADIAL SWITCH & CCU REQUIREMENT:	4 NOS. RADIAL SWITCHES SHOULD BE PROVIDED AS PER FOLLOWING DETAILS	Yes/No	
		a) 1 NO. MBB SWITCH WITH 1000+/-1% OHM PER STEP RESISTANCE ASSEMBLY FOR REMOTE TAP POSITION INDICATOR	Yes/No	
		b) 1 NO. MBB SWITCH WITH RESISTANCE ASSEMBLY FOR 2 No. 4-20 mA DC OUTPUT THROUGH CCU MOUNTED IN OLTC MOTOR DRIVE UNIT FOR TPI.	Yes/No	
		c) 1 NO. BBM SWITCH FOR PARALLEL OPERATION	Yes/No	
		d) 1 NO. BBM SWITCH FOR ODD/EVEN SWITCH FOR PARALLEL OPERATION.	Yes/No	
8	PAINTING			
a)	EXTERIOR	PAINT THICKNESS 70 TO 100 MICRON.	Yes/No	
b)	PAINT DETAILS & SHADE	INTIMATED AT THE TIME OF ORDER PLACEMENT.	Yes/No	
9	ACCESSORIES TO BE SUPPLIED LOOSE:			
		a) OIL SURGE RELAY WITH PIPE ELBOWS FOR OSR, SUCTION WITH EACH OLTC, BEVEL GEAR, DRIVE SHAFT, SHAFT GUARD FOR ALL SHAFT ALONG WITH OLTC MOTOR DRIVE UNIT. (THE HEAD VARIANT, SWIVELLING RANGE & CABINET HINGE WILL BE INFORM LATER ON AT ORDER STAGE).	Yes/No	
		b) MANUAL OPERATING HANDLE	Yes/No	
10	WIRING OF LOCAL MOTOR DRIVE UNIT	SUPPLIER TO SUBMIT THEIR STANDARD WIRING DIAGRAM FOR EVALUATION. HOWEVER MINOR CHANGES AT THE TIME OF END CUSTOMER'S APPROVAL IS TO BE INCORPORATED WITHOUT PRICE IMPLICATION.	Yes/No	
11	TESTING OF OLTC:	FOLLOWING TYPE TEST & ROUTINE TEST REPORTS AS PER IEC-60214 & ENCLOSED CUSTOMER SPECIFICATION (NOT OLDER THAN FIVE YEARS) SHALL BE SUBMITTED ALONG WITH OFFER.	Yes/No	
		a) THE VARIOUS TESTS (ROUTINE AND TYPE) AS STIPULATED IN THE IEC-60214 (AS AMMENDED UP TO DATE) INCLUDING VACUUM HELIUM AND GAS LEAK ROUTINE TESTS SHALL BE CARREIED OUT.	Yes/No	

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		b) SUPPLIER SHALL SUBMIT TYPE TEST CERTIFICATE & COPIES OF OSCILLOGRAMS AS CALLED FOR IN IEC-60214 (AS AMENDED UP TO DATE).	Yes/No	
		c) TEMPERATURE RISE OF CONTACT, SHORT CIRCUIT TEST, MECHANICAL TEST, DIELECTRIC TEST AS PER IEC-60214 AND DEGREE OF PROTECTION IP-55 TEST ON MOTOR DRIVING UNIT.	Yes/No	
		d) OLTC MOTOR CURRENT SIGNATURE AS ROUTINE TEST	Yes/No	
	ALL ABOVE TEST REPORTS SHOULD BE FURNISHED IN TRIPLICATE.		Yes/No	
12	DOCUMENTS AND DRAWINGS REQUIRED WITH OFFER:			
		a) ALL TYPE REPORTS AS PER IEC-60214.	Yes/No	
		b) OVER ALL DIMENSIONAL DRG. OF OLTC, OLTC MOUNTING ARRANGEMENT, OSR, BEVEL GEAR, HEAD VARIANT, OGA OF MOTOR DRIVE UNIT, SHAFTS ARRANGEMENT.	Yes/No	
		c) PHASE DIAGRAM OF OLTC.	Yes/No	
12 (a)	AFTER AWARD OF CONTRACT:			
		a) FINAL LOCAL DRIVE UNIT WIRING DIAGRAM DRAWING IN AUTO- CAD VERSION TO BE SUBMITTED.	Yes/No	
		b) MAKE AND TYPE OF ALL EQUIPMENTS ALONG WITH THEIR OVER ALL DIMENSIONS AND ELECTRICAL CONNECTION DIAGRAM.	Yes/No	
12 (b)	WITH CONSIGNMENT			
		a) INSTALLATION, OPERATION AND MAINTENANCE MANUAL IN TEN COPIES WITH EACH OLTC	Yes/No	
		b) TESTS CERTIFICATE IN TRIPLICATE.	Yes/No	

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