

RESPONSE TO PRE BID QUERIES DATED 24-12-2021(BRPL NIT NO: CMC/BR/21-22/RB/CR/AG/0970 DT.15.12.2021)
“AWARD OF WORK FOR REPAIRING OF DRY TYPE DISTRIBUTION TRANSFORMERS OF RATING OF 1000 KVA & 400 KVA IN BRPL”

Sl.No	Clause Reference	Description	Bidder's Query	BRPL Response
1	Clause 4.2 V), Page No. 5	Assembly of core-coil after rewinding. Rewinding includes fabrication of all the three phases of both HV and LV winding.	Both the windings are to be replaced by re-designing the Transformers.	No Deviation , Bidder has to follow tender specification
2	Clause 10.4 a) Page No 12	Surface Preparation: By 7 tank pretreatment process or by shot blasting method	Only Powder coating will be done on edge and 7 Tank Process is not possible.	1) Finish on internal Surface of the transformer: Powder coated, Epoxy polyester base, grade A, shade – White, Uniform thickness of 80 microns minimum. 2) Finish on outer surface: - Powder coated, Epoxy polyester base, grade A, shade– 7032, Uniform thickness of 120 microns minimum with 01 coat of primer & 02 coats of paint. Final colour-RAL 7032 Siemens Grey 3) All welding to be applied zinc rich paint before final painting
3			If the core found damaged, the Transformer will be declared as uneconomical. It will be re-assembled and delivered back to BSES RPL Store and charges for opening – dismantling Reassembly, loading cartage To and Fro will have to be paid by BSES RPL.	Ok, Revised Price format attached
4	Clause No. 15.4 xii) Page No.16	IP test on enclosure-As per rating plate (IP23 /IP34/IP44)	IP Test will not be performed.	OK Noted subject to no change in the original design of the enclosure
5	Clause No. 4.2 Page No.5	The bidder/repairer will follow the original design of the distribution Transformer winding during repair. The same will be ascertained during joint verification report (JVR). Transformer design of only those cases where constraints are encountered to meet technical specification and original design needs to be submitted to Central Engineering Services (CES-BRPL) for vetting.	Transformer will be designed as per old original design except LT winding.	OK noted subject to no load & Load losses shall be as per original design
6	Clause No. 4.2 xiii) Page No.5	Installation of WTI and door limiting switch along with control cables.	Provision of door lock and Tripping will be made with the above changes	No Deviation , Bidder has to follow tender specification

SECTION-IV: REVISED PRICE FORMAT

1. PRICE FORMAT FOR 400 KVA DRY TYPE TRANSFORMERS					
S.NO.	ITEM DESCRIPTION	Unit	Unit Rate	GST	Total Rate in Rs.
(A)	SUPPLY PART:				
1	HV Copper leg coils complete with insulation	Per kg.			
2	LV Copper leg coils complete with insulation	Per kg.			
3	HV Support Insulator	Each			
4	LV Support Insulator	Each			
5	HV Busbar(copper)	Each			
6	LV Busbar(copper)	Each			
7	HV Cable Support	Each			
8	LV Cable Support	Each			
9	Off Circuit Tap links with enclosure	Each			
10	Coil supporter (Top & Bottom)	Each			
11	HV Coil separator	Each			
12	LV neutral bush metal parts	Each			
13	HV Earthing bush metal parts	Each			
14	Gaskets set for Earthing bushings	Each			
15	Door Limit Switch (on each door)	Each			
16	C.T.	Each			
17	Winding Temperature Indicator	Each			
18	Sundry items viz; screw, washer, Insulation material, minor repairs of enclosure,name plate,other parts required if any	Per Trf.			
19	Replacement of stainless steel	Per kg.			

	wire mesh and rain guard				
20	HT Lugs	Each			
21	LT Lugs	Each			
22	Surge Arrester with complete connection	Each			
23	RTD	Each			
(B)	LABOUR PART:	Unit	Unit Rate	GST	Total Rate in Rs.
1	Labour charges for repairs and testing of transformer at bidder/repairer's work	Per Trf.			
2	Painting inside & outside of enclosure and boxes with suitable primer & 2 coats of suitable paints of grey colour & marking etc.	Per Trf.			
3	Loading at site/ stores, to and fro transportation to bidder/repairer's factory and back to Grid/Site, unloading at Grid/Site including insurance cover	Per Trf.			
4	Labour/handling charges for non- repairable transformer to be returned to BRPL after confirmation by BRPL.	Per Trf.			
(C)	CREDITS:	Unit	Unit Rate in Rs.	Taxes(GST/TCS)	Total Rate in Rs.
1	Scrap of old casted leg coils	Per kg.			
2	Damaged louvers/wiremesh	Per kg.			
3	Damaged HV Busbar	Per kg.			
4	Damaged LV Busbar	Per kg.			
5	Damaged CRCA	Per kg.			

2. PRICE FORMAT FOR 1000 KVA DRY TYPE TRANSFORMERS

S.NO.	ITEM DESCRIPTION	Unit	Unit Rate	GST	Total Rate in Rs.
(A)	SUPPLY PART:				
1	HV Copper leg coils complete with insulation	Per kg.			
2	LV Copper leg coils complete with insulation	Per kg.			
3	HV Support Insulator	Each			
4	LV Support Insulator	Each			
5	HV Busbar(copper)	Each			
6	LV Busbar(copper)	Each			
7	HV Cable Support	Each			
8	LV Cable Support	Each			
9	Off Circuit Tap links with enclosure	Each			
10	Coil supporter (Top & Bottom)	Each			
11	HV Coil separator	Each			
12	LV neutral bush metal parts	Each			
13	HV Earthing bush metal parts	Each			
14	Gaskets set for Earthing bushings	Each			
15	Door Limit Switch (on each door)	Each			
16	C.T.	Each			
17	Winding Temperature Indicator	Each			
18	Sundry items viz; screw, washer, Insulation material, minor repairs of enclosure,name plate,other parts required if any	Per Trf.			
19	Replacement of stainless steel wire mesh and rain guard	Per kg.			
20	HT Lugs	Each			
21	LT Lugs	Each			
22	Surge Arrester with complete connection	Each			

23	RTD	Each			
(B)	LABOUR PART:	Unit	Unit Rate	GST	Total Rate in Rs.
1	Labour charges for repairs and testing of transformer at bidder/repairer's work	Per Trf.			
2	Painting inside & outside of enclosure and boxes with suitable primer & 2 coats of suitable paints of grey colour & marking etc.	Per Trf.			
3	Loading at site/ stores, to and fro transportation to bidder/repairer's factory and back to Grid/Site, unloading at Grid/Site including insurance cover	Per Trf.			
4	Labour/handling charges for non- repairable transformer to be returned to BRPL after confirmation by BRPL.	Per Trf.			
(C)	CREDITS:	Unit	Unit Rate in Rs.	Taxes(GST/TCS)	Total Rate in Rs.
1	Scrap of old leg coils only	Per kg.			
2	Damaged louvers/wiremesh	Per kg.			
3	Damaged HV Busbar	Per kg.			
4	Damaged LV Busbar	Per kg.			
5	Damaged CRCA	Per kg.			