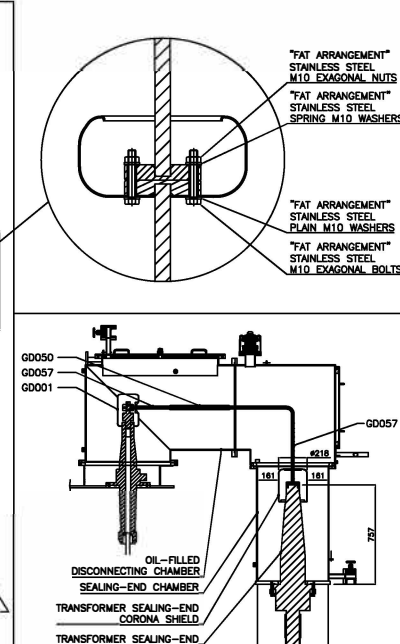


SECTION A-A  
(FAT ARRANGEMENT)



SECTION A-A  
(SERVICE CONDITION)

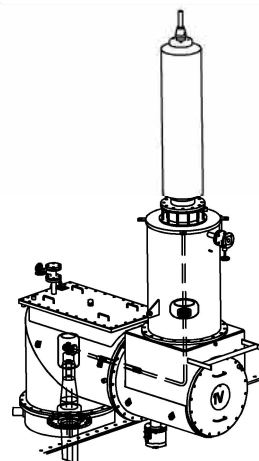
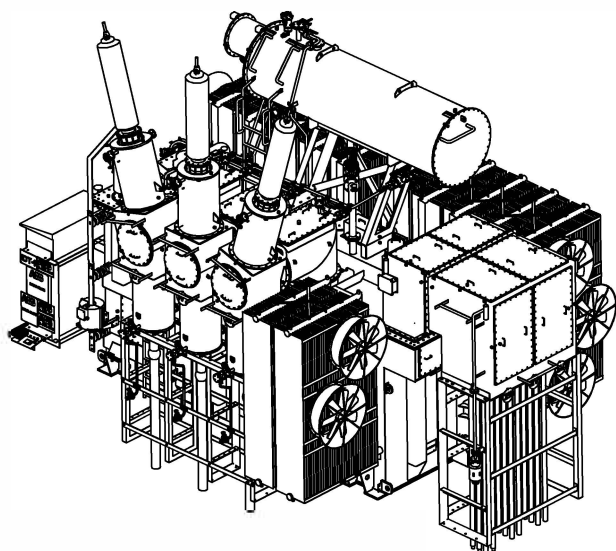
## TRANSFORMER FAT ARRANGEMENT

### HV SIDE FAT ARRANGEMENT

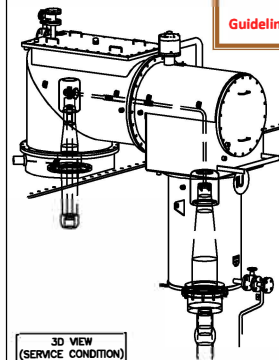
1. HV LINE SIDE WILL BE TESTED BY A "FAT" OIL/AIR PORCELAIN GOB BUSHINGS 650/1250 TYPE INSTEAD OF TRANSFORMER SEALING-END;
2. "FAT" OIL/AIR PORCELAIN GOB BUSHINGS 650/1250 TYPE WILL BE MOUNTED ON SEALING-END CHAMBER BY A FLANGE ADAPTER;
3. OIL-FILLED DISCONNECTING CHAMBERS PART 2 AND SEALING-END CHAMBERS FITTED WITH "FAT" GOB BUSHINGS WILL BE ROTATED UPWARDS (EXTERNAL PHASES INCLINED MAX 16° OUTWARD);
4. ALL SERVICE CONDITION COPPER CONNECTIONS (GD050 & GD057) WILL BE MOUNTED;
5. ON CABLE SIDE GD057 CONNECTION END FLANGE WILL BE MOUNTED A "FAT" CORONA SHIELD WITH SAME DIAMETER OF TRANSFORMER SEALING-END CORONA SHIELD (218 mm);
6. ON CABLE SIDE GD057 CONNECTION END FLANGE AND "FAT" CORONA SHIELD WILL BE MOUNTED THE "FAT" BUSHING CONNECTION;
7. HV OIL FILLED BOXES AIR RELEASE PIPE WILL BE CONNECTED TO TEMPORARY OIL CONSERVATOR;
8. ALL SERVICE CONNECTIONS WILL BE TESTED DURING TRANSFORMER FAT, EXCEPT TRANSFORMER SEALING-END WHICH CAN NOT BE TESTED DURING TRANSFORMER FACTORY ACCEPTANCE TEST.

### HV CABLE SIDE TEST ARRANGEMENT

9. HV CABLE CAN NOT BE TESTED BY APPLYING TEST VOLTAGE FROM TRANSFORMER SIDE, TEST VOLTAGE HAS TO BE APPLIED FROM THE OTHER END (GIS SIDE);
10. OIL-FILLED DISCONNECTING CHAMBER WILL BE PROVIDED WITH REMOVABLE LINKS AND EARTHING TERMINAL FOR HV CABLE TESTING PURPOSE.



3D VIEW  
(FAT ARRANGEMENT)



3D VIEW  
(SERVICE CONDITION)

## TEMPLATE DRAWING

132/12 kV, Type A - 35/50 MVA Power Transformer drawing is standardized with reference to DEWA technical specification 1.5.1.1.2.04 Rev.5. The drawing shall be updated in line with the revision of the technical specification, international standards and design change of the Power Transformer. The standardization of the drawing no way relieves the manufacturer from any issues arising out of latent defect in the design, construction and selection of materials and components. The standardized drawings shall not be reconstructed in full or part thereof in any form or quoted as reference without written permission from DEWA.

Guideline for using the standardized design drawings shall be followed.

REVISING				DETAILS				REVISIONS			
NO.	DATE	BY	CHKD	NO.	DATE	BY	CHKD	NO.	DATE	BY	CHKD
1	12 Jan 2018	ABB/TV	-	1	12 Jan 2018	ABB/TV	-	1	12 Jan 2018	ABB/TV	-
2	12 Jan 2018	ABB/TV	-	2	12 Jan 2018	ABB/TV	-	2	12 Jan 2018	ABB/TV	-
3	12 Jan 2018	ABB/TV	-	3	12 Jan 2018	ABB/TV	-	3	12 Jan 2018	ABB/TV	-
4	12 Jan 2018	ABB/TV	-	4	12 Jan 2018	ABB/TV	-	4	12 Jan 2018	ABB/TV	-
5	12 Jan 2018	ABB/TV	-	5	12 Jan 2018	ABB/TV	-	5	12 Jan 2018	ABB/TV	-
6	12 Jan 2018	ABB/TV	-	6	12 Jan 2018	ABB/TV	-	6	12 Jan 2018	ABB/TV	-
7	12 Jan 2018	ABB/TV	-	7	12 Jan 2018	ABB/TV	-	7	12 Jan 2018	ABB/TV	-
8	12 Jan 2018	ABB/TV	-	8	12 Jan 2018	ABB/TV	-	8	12 Jan 2018	ABB/TV	-
9	12 Jan 2018	ABB/TV	-	9	12 Jan 2018	ABB/TV	-	9	12 Jan 2018	ABB/TV	-
10	12 Jan 2018	ABB/TV	-	10	12 Jan 2018	ABB/TV	-	10	12 Jan 2018	ABB/TV	-

SCALE	DATE	BY	CHKD	NO.	DATE	BY	CHKD	NO.	DATE	BY	CHKD
1:1	12 Jan 2018	ABB/TV	-	1	12 Jan 2018	ABB/TV	-	1	12 Jan 2018	ABB/TV	-
2:1	12 Jan 2018	ABB/TV	-	2	12 Jan 2018	ABB/TV	-	2	12 Jan 2018	ABB/TV	-
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9:1	12 Jan 2018	ABB/TV	-	9	12 Jan 2018	ABB/TV	-	9	12 Jan 2018	ABB/TV	-
10:1	12 Jan 2018	ABB/TV	-	10	12 Jan 2018	ABB/TV	-	10	12 Jan 2018	ABB/TV	-

DEWA-E-02-53-ABB-OLTC

OUTLINE OF TRANSFORMER (IDT)