



TRANSFORMER FAT ARRANGEMENT

- HY.SOE.FAT.MBNK'-fminj
1. HV LINE SIDE WILL BE TESTED BY A "FAT" OIL/AIR PORCELAIN GOB BUSHINGS 650/1250 TYPE INSTEAD OF TWISFORMER SEALING-END;
  2. "TAT" OIL/AIR PORCELAIN 008 BI&HNOS 650/1250 TYPE WILL BE MOUNTED ON SEALING-END CHAMBER BY A FLANGE ACWTER;
  3. OIL-FILLED DISCONNECTING CHAMBERS PART 2 AND SEALING-ENO CHAMBERS FITTED WITH "TAT" GOB BUSHINGS WILL BE ROTATED UPWARDS (EXTERNAL PHASES INCLINED MAX 15° OUTWARD);
  4. SERVICE CONNECTION COPPER CONNECTIONS (Gooso & G0057) WILL BE
  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 G0057 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-ENO WHICH CAN NOT BE TESTED DURING TRANSFORMER FACTORY ACCEPTANCE TEST.
  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-AU.FO DISCONNECTING CHAMBER WILL BE PROVIDED WITH REMOVABLE LINKS AND EARTHING TERMINAL FOR HV CABLE TESTING PURPOSE.

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.

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