

REFERENCE DRGS.			
1	O.G.A. (4 SHEETS)	3	464 00 01559
2	PART LIST	3	464 00 01560
3	FOUNDATION PLAN	3	464 00 01582
4	MV BUSHING 245KV,2000Amp OIP CONDENSER BUSHING	3	464 00 01523
5	HV BUSHING 420KV,1250Amp OIP CONDENSER BUSHING	3	464 00 01524
6	HV NEUTRAL BUSHING 36KV,2000Amp PORCELAIN BUSHING	3	464 00 01525
7	LV BUSHING 52KV,3150Amp OIP CONDENSER BUSHING	3	464 00 01526
8	RATING AND DIAGRAM PLATE	3	464 00 01561
9	SHIPPING DIAGRAM	3	464 00 01562
10	VALVE SCHEDULE PLATE	3	464 00 01563
11	OIL FLOW DIAGRAM	3	464 00 01530
12	320 DIA TWIN BIDIRECTIONAL ROLLERS	3	464 00 01531
13	OVER FLUXING CURVE	4	464 00 00135
14	LOCATION OF FIBRE OPTICS PROBE	4	464 00 00136
15	INTERNAL SKETCH	3	464 00 01532
16	GENERAL ARRANGEMENT OF COOLER CONTROL CABINET	3	464 62 00242
17	DIAGRAM OF COOLER CONTROL CABINET	3	464 62 00241
18	SCHEMATIC DIAGRAM OF TAP CHANGER CONTROL	3	464 64 00103

DESCRIPTION	APPROX. WT. IN KG.
CORE AND WINDING	194220
TANK AND FITTINGS	40985
BUSHING	5995
COOLER CONTROL CABINET & WIRING	650
COOLER BANK (INCLUDING CONSERVATORS, RADIATOR, PUMPS, FANS, FITTINGS & P/W ETC.	49010
ROLLER	2320
OIL IN TRANSFORMER TANK	68925
OIL IN RADIATOR BANK, CONSERVATORS, PIPE & OLTC	18295
TOTAL WEIGHT INCLUDING OIL	380400
SHIPPING WT. OF TRANSFORMER (GAS FILLED)	234000
UNTANKING WEIGHT (UPPER TANK)	26000

APPROXIMATE OIL CAPACITIES	LITRES
OIL AND TANK INCLUDING TURRETS & OLTG	79790
OIL IN RADIATOR BANK, CONSERVATORS & PIPE WORK	20460
TOTAL OIL	100250

MIN. AIR CLEARANCE	PH-PH	PH-EARTH
HV BUSHING	4000	3500
MV BUSHING	2350	2150
LV BUSHING	530	480
HV NEUTRAL BUSHING	—	320

NOTES :-

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| HV BUSHING | 4000 | 3500 |
| MV BUSHING | 2350 | 2150 |
| LV BUSHING | 530 | 480 |
| HV NEUTRAL BUSHING | - | 320 |
1. WHEN REFERRING THE O.G.A. DRG, PLEASE QUOTE MVA & W.O. NO.
2. DIMENSIONS SHOWN THUS ARE OVERALL SHIPPING DIMENSION.
3. WIRING FROM INSTRUMENTS, C.T.S. ETC. NOT SHOWN FOR CLARITY.
4. JACK POINTS MARKED THUS ARE FOR UNLOADING FROM TRAILOR, JACKING THE TRANSFORMER FOR CHANGING THE ROLLER DIRECTION.
5. FINISH PAINT SHADE OF OUTSIDE SURFACE OF TANK AND ACCESSORIES IS TO LIGHT GRAY SHADE 631 OF IS-5. ALSO REFER PAINT CLAUSE IN TECH SPEC.
6. THE DESIGN FEATURES SHOWN ON THIS DRAWING (GENERALLY IN LINE WITH IS:2026 & AGREED CUSTOMER SPECIFICATION) MEETS THE STATUTORY, REGULATORY & SAFETY REQUIREMENTS WITH RESPECT TO EARTHING ARRANGEMENT, DANGER AND OTHER LABELS. CLEARANCES IN AIR, PROVISION FOR PRESSURE RELIEF DEVICE, GAS & OIL ACTUATED RELAY AND ANTI EARTH QUAKE CLAMPING ARRGT.
7. ALL HEIGHT WISE DIMENSIONS ARE GIVEN FROM RAIL LEVEL.
8. WEIGHTS & OIL QTY ARE APPROXIMATE.
9. TOLERANCE IS $\pm 3\%$ OR 100 MM WHICHEVER IS HIGHER ON DIMENSION WHEREVER TOLERANCE ARE NOT INDICATED.
- 16 NOS. FIBRE OPTICAL TEMP. SENSOR ALONG WITH TEMP. MONITORING SYSTEM SHALL BE PROVIDED FOR ONE TRANSFORMER OF EACH SUBSTATION. FOR OTHER TRANSFORMER OF THAT SUBSTATION ONLY 8 SENSOR AND CONNECTION UP TO MARSHALING BOX SHALL BE PROVIDED.
- APPROVED, subject to the condition that the appro
shall not relieve the contractor of any part of a
contractors obligation of meeting all the requirement
of IEC/BIS specifications for the correctness o
technical particulars given by him and the contract
shall also rectify the defects, whenever detected, a
own cost without delaying the scheduled completion
the work
- EE

APPROVED, subject to the condition that the approval shall not relieve the contractor of any part or of the contractors obligation of meeting all the requirements of IEC/DIS specifications for the correctness of the technical particulars given by him and the contractors shall also rectify the defects, whenever detected, at his own cost without delaying the scheduled completion of the work.

[illegible]

INVENTORY NO.	SIGN. DATE	REF. DRG. NO.
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TABLE OF MK-NO. FOR AUX. CONSERVATOR PIPE WORK

SUB ASSY.	MK-86	MK-87	MK-88	MK-89	MK-90	MK-74	MK-75	MK-76
QTY.	001	001	001	001	001	001	001	001

TABLE OF MK-NO. FOR CONSERVATOR PIPE WORK

MK-77	001	002	003	001	001	003	001	001
MK-78								
MK-79								
MK-80								
MK-81								
MK-82								
MK-83								
MK-84								
MK-85								

DIRECTION OF WITHDRAWAL

of IECBIS satisfactions for the correctness of the technical enquiries given to him and the controllers shall also verify the defects, whenever detected, at his own cost without delaying the scheduled completion of the work.

REV	DATE	ALT		REV	DATE	ALT	R#	PE	NO. OF TRANSFORMER	2	ADDITIONAL INFORMATION	NAME	SIGN	DATE
		CKD				CKD	LALIT		PROJECT	CONSTRUCTION OF 400/220/132 KV GIS SUBSTATION RASARA, BALLA.	M.D.-68025-A-512-01	DRN		12/12/21
		APPD		01	16-02-19						STATUS OF DRAWING	CHK		13/12/21
						APPD	ADAVE	S/D	LDA NO.	336/ESD-765KV/10/RASARA/VOL-3 DATED 03/07/2018	DISTRIBUTION OF PRINTS	APPD	ADAVE	13/12/21
ZONE						ZONE			TYPE OF PRODUCT	500 MVA,400/220/33 KV, 3 PH., ONAN/ONAF/OFAF AUTO TRANSFORMER	TRE-1,TRM-3	DRG NO.	34640001559	REV
									NAME OF CUSTOMER	M/S. UP POWER TRANS. CORP. LTD. LUCKNOW	TITLE	SHEET	03	04
											PLAN VIEW			01

