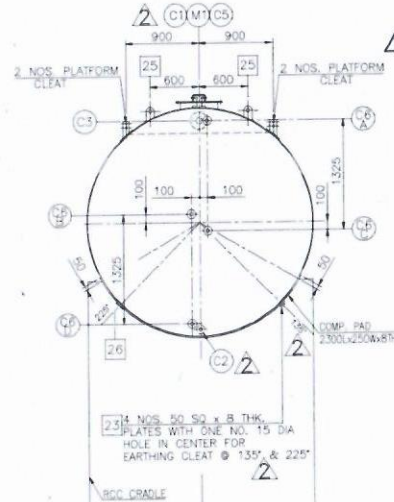
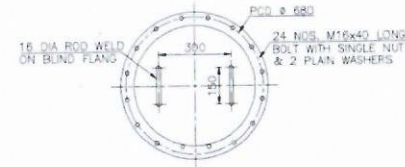


ELEVATIONAL VIEW BAT A&B

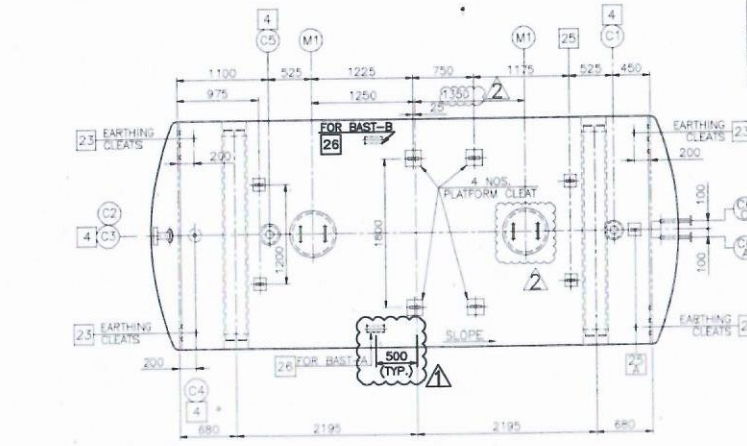


VIEW 'A'

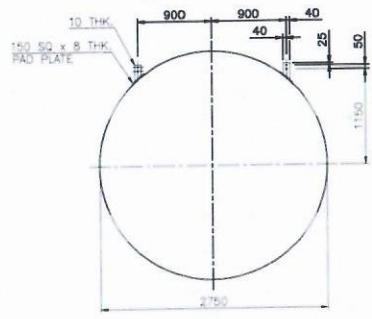
LAHMEYER INDIA	LAHMEYER INTERNATIONAL INDIA PVT. LTD CONSULTING ENGINEERS GUWAHATI INDIA
LI TRANSMITTAL REF: LI/GECE1092/M/02433	
APPROVAL STATUS:	
2. APPROVED	
3. APPROVED AS NOTED	
4. COMMENTED/RESUBMISSION REQD.	
5. DISAPPROVED	
6. RECEIVED FOR INFORMATION/REFERENCE	
THIS APPROVAL STATUS SHALL NOT RELIEVE THE CONTRACTOR FROM HIS CONTRACTUAL OBLIGATIONS.	
DEPARTMENT: DEM	DATE: 07.03.16
SIGNATURE: <i>KAPIL</i>	NAME: KAPIL



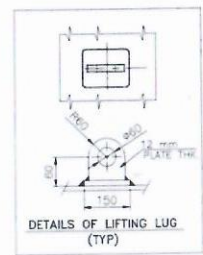
MANHOLE DETAIL



TRUE ORIENTATION PLAN FOR BAST-A/B



PLATFORM CLEAT DETAIL



DETAILS OF LIFTING LUG (TYP)

- NOTES**
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED.
 2. STAIRCASE & PLATFORM WILL BE PROVIDED AS AN ACCESSORIES.
 3. LEADER AND PLATFORM DRG WILL BE SUBMITTED SEPARATELY.
 4. NOZZLE ORIENTATION WILL BE IN LINE WITH THE PIPING LAYOUT REQUIREMENT.
 5. IN CASE OF LEVEL INDICATOR, 25NB FLANGE WILL BE WELD ON 32NB PIPE.
 6. ALL SHARP CORNER SHALL BE SUITABLY ROUNDED OFF & GROUND SMOOTH.
 7. THE VESSEL SHALL BE CLEANED TO REMOVE SCALE, SAND & FOREIGN MATERIAL.
 8. WELDING SHALL BE DONE BEFORE RUBBER LINING PROCESS.

IMPORTANT :-
FOR EXACT LOCATIONS OF NOZZLES, SUPPORT LUGS HANDLES & HINGES REFER TRUE ORIENTATION PLAN VIEW ONLY

EXTERNAL PAINTING :-
1) AS PER APPROVED PAINTING SCHEDULE.

- | | |
|----|---|
| 1 | LONGITUDINAL/CIRCUMFERENTIAL AND VERTICAL BUTT WELD |
| 2 | DISH TO SHELL JOINT |
| 4 | SINGLE NOZZLE WITH/WITHOUT COMPENSATING PAD |
| 23 | EARTHING CLEAT |
| 25 | LIFTING LUG |
| 25 | CLEAT (100X100X10) FOR PIPE SUPPORT |
| 26 | NAME PLATE BRACKET |

LIST OF CONNECTIONS

MARK	DESCRIPTION	QTY	SIZE NB	COMP DIA x THK	RAD	PROJ. ELEVATION	REMARKS
C1	INLET	01	80	160 x 08	150		
C2	OUTLET	01	80	160 x 08	150		
C3	OVERFLOW	01	65	130 x 08	150		
C4	DRAIN	01	65	130 x 08	150		
C5	LEVEL TRANSMITTER	01	80	160 x 08	100		
C6 A/D	LEVEL INDICATOR	02	32	-	365		
C6 B/C	LEVEL INDICATOR	02	32	-	150		
M1	MAN-HOLE	02	600	-	150		AS PER BS 2594

DESIGN DATA

DESIGN CODE	BS 2594
DESIGN PRESSURE	ATMOSPHERIC
DESIGN TEMPERATURE	60°C
TEST PRESSURE	FULL OF WATER
TYPE OF DISH END TORISPHERICAL TYPE	AS PER BS 2594
FLANGES	ANSI B 16.5 150# SOFF OFF CRS
RADIOGRAPHY	SHELL : NIL DISH : NIL
JOINT EFFICIENCY	SHELL : 0.7 DISH : 0.7
STRESS RELIEF	SHELL : NIL DISH : NIL
EMPTY WEIGHT	8000 Kgs (APPROX)
WORKING WEIGHT	55000 Kgs. (APPROX)
INSPECTION & TESTING	AS PER APPROVED GAP.
EFFECTIVE CAPACITY	35 m ³
LIQUID STORED	30% HD
SPECIFIC GRAVITY	1.15

MATERIAL OF CONSTRUCTION

SHELL	IS 2062 Gr BR
DISH END	IS 2062 Gr BR
COMPENSATING PAD	IS 2062 Gr BR
NOZZLE NECK UP TO 150 NB	IS 1259 HEAVY DUTY
MANHOLE NECK	TO BE ROLLED FROM 8 THK IS 2062 Gr BR PLATE
FLANGES	IS 2062 Gr BR
STRUCTURALS & OTHER ATTACHMENTS	MS WELDABLE QUALITY
BOLTS AND NUTS	IS 1367 CL 4.6/4
GASKETS	NATURAL RUBBER
INSIDE LINING	4.5 THK. 3 LAYER (1.5 EACH LAYER) RUBBER LINING AS PER IS 4882 PART-1 1994 (SHORE HARDNESS 65-65 SHORE A)
CODE OF LINING	AS PER IS 4882 PART-1
SERVICE	BULK ACID STORAGE TANK
MARK NO.	BAST-A/B
NOS OFF	TWO
SHIPPING DIMENSIONS	3200 SQ x TWO 6600 LONG

REFERENCE DRAWINGS:

MARKING NO	DRAWING TITLE
MAI-101281-Y000-00-00-120001	EQUIPMENT LAYOUT FOR DM PLANT
MAI-101281-Y002-00-00-120002	P&ID FOR DM REGENERATION PLANT
MAI-101281-Y003-00-00-120003	GA OF ACB/AKAI AREA
MAI-101281-Y003-00-00-120004	PROCESS CALCULATION (REP) FOR DM PLANT
MAI-101281-Y003-00-00-120005	THICKNESS CALCULATION OF VERTICAL TANKS

REV	DATE	DESCRIPTION	BY	CHK	DES	APPD
2	29.02.2016	REVISED AS MARKED	TARUN ANF	-	HB	PC
1	05.01.2016	REVISED AS MARKED	TARUN ANF	-	HB	PC
0	04.12.2015	FIRST SUBMISSION	MJ ANF	-	HB	PC

PROJECT
SHREE SINGHAJI THERMAL POWER PROJECT STAGE-II (2X660MW)
VILL.: DONGALIA, DIST.: KHANDWA, MADHYA PRADESH

OWNER
MADHYA PRADESH POWER GENERATING CO. LTD.
JABALPUR - INDIA.

OWNER'S CONSULTANT
LAHMEYER INTERNATIONAL (INDIA) PVT. LTD.

ERC CONTRACTOR
LARSEN & TOUBRO LIMITED

L&T CONSULTANT
L & T - SARGENT & LUNDY LTD

PROJECT CONSULTANT
ION EXCHANGE PROJECT & ENGINEERING LTD.

DATE	NAME	TITLE
29.11.2015	MJ	PREPARED
30.11.2015	ANF	CHECKED
04.12.2015	PC	APPROVED
		L&T JOB NO. MAIWA-11
		VENDOR JOB NO. A7014
		SCALE: 1:30
		DRG NO. MAI-101281-Y000-00-00-120017
		SHT. OF 01 REV. 2

LARSEN & TOUBRO LIMITED
SHREE SINGHAJI THERMAL POWER PROJECT STAGE-II (2 x 660 MW)

REVIEWED