

VERTICAL VESSEL
PROCESS DATA SHEET

Document No.
6907-11-02-DS-1206

Rev. No. 1
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PROJECT	BPCP		CLIENT	BCPL-ASSAM			
UNIT	C2+ RECOVERY UNIT, LAKWA		JOB NO.	6907	UNIT NO.	11	
ITEM NO.	11-VV-006 (NOTE-2)		SERVICE	HP SEPARATOR			
PROCESS DATA							
FLUID HANDLED			HC				
OPERATING PRESSURE			KG/CM2 G	47.5			
OPERATING TEMPERATURE			DEG C	-70			
DESIGN PRESSURE			KG/CM2 G	76 (EXISTING)/ 65 (NOTE-3)			
DOES VESSEL REQUIRE FULL VACUUM DESIGN			NO				
DESIGN TEMPERATURE			DEG C	-75/65			
MECHANICAL DATA							
MATERIAL OF CONSTRUCTION							
SHELL			SS 304 (NOTE - 4)				
LINER			NIL				
CORROSION ALLOWANCE							
SHELL			MM	NIL			
LINER THICKNESS			MM				
INSULATION REQUIRED			YES				
IF YES, TYPE			PUF				
INSULATION THICKNESS			MM	155 (NOTE-5)			
IS INLET BAFFLE DEFLECTOR REQUIRED			YES				
VESSEL SUBJECTED TO STEAM OUT CONDITIONS							
IF 'YES' STEAM TEMPERATURE			DEG C				
STEAM PRESSURE			KG/CM2 G				
VORTEX BREAKER REQUIRED			YES				
IF YES, TYPE			EIL STD., 7-12-019, TYPE- 2A				
DEMISTER REQUIRED			YES				
IF 'YES' REF DATA SHEET NUMBER			NOTE-6				
IS DESIGN FOR NACE CODE REQUIRED			NO				
IS DESIGN FOR IBR CODE REQUIRED			NO				
NOZZLES AND CONNECTIONS DETAILS							
RATING FOR VESSEL NOZZLES 600#							
MARK	NUMBER	SIZE, IN	SERVICE	MARK	NUMBER	SIZE, IN	SERVICE
F	1	12	FEED	M	1	20	MANHOLE
T	1	10	TOP OUTLET	SP	2	2	STAND PIPE
B	1	3	BOTTOM OUTLET	MCF			PUMP MINIMUM FLOW
H			HANDHOLE	LT	2	2	LEVEL TRANSMITTER
D			DRAIN	SP			SURGE
V			VENT				
UC			UTILITY CONNECTION				
LI			LEVEL INSTRUMENTS				
PI			PRESSURE INSTRUMENTS				
TI			TEMPERATURE INSTRUMENTS				
SV			SAFETY VALVE				
NOTES							
1. DENSITY OF LIQUID = 386.7 KG/M3							
2. THIS IS AN EXISTING VESSEL, SHALL BE RETAINED AFTER REVAMP. OPERATING CONDITIONS ARE AS PER POST REVAMP SCENARIO.							
3. FOR THE REVAMP SCENARIO THE DESIGN PRESSURE SHALL BE 65 KG/CM2 G. PSV SET CONDITIONS ARE RESET/ RESPECIFIED ACCORDINGLY.							
4. MOC SHALL BE CONFIRMED AFTER RECEIVING INPUTS FROM CLIENT.							
5. THE EXISTING PUF INSULATION THICKNESS ON THE VESSEL IS 95 MM AND SHALL BE REVISED TO 155 MM AS PER REVAMP CONDITIONS.							
6. REFER PDS 3044-11-02-DS-0306 REV2 FURNISHED BY CLIENT. REFER RESPECTIVE MECHANICAL DATA SHEET FOR FUTHER DETAILS.							
1	05.01.2009	ISSUED FOR FINAL PACKAGE					
0	10.09.2008	ISSUED FOR PACKAGE/ ENGINEERING				MRK	GA AND
Rev. No.	Date	Purpose				Prepared By	Reviewed By AND Approved By

PROJECT : BPCP
 PLANT : C2+RECOVERY UNIT, LAKWA

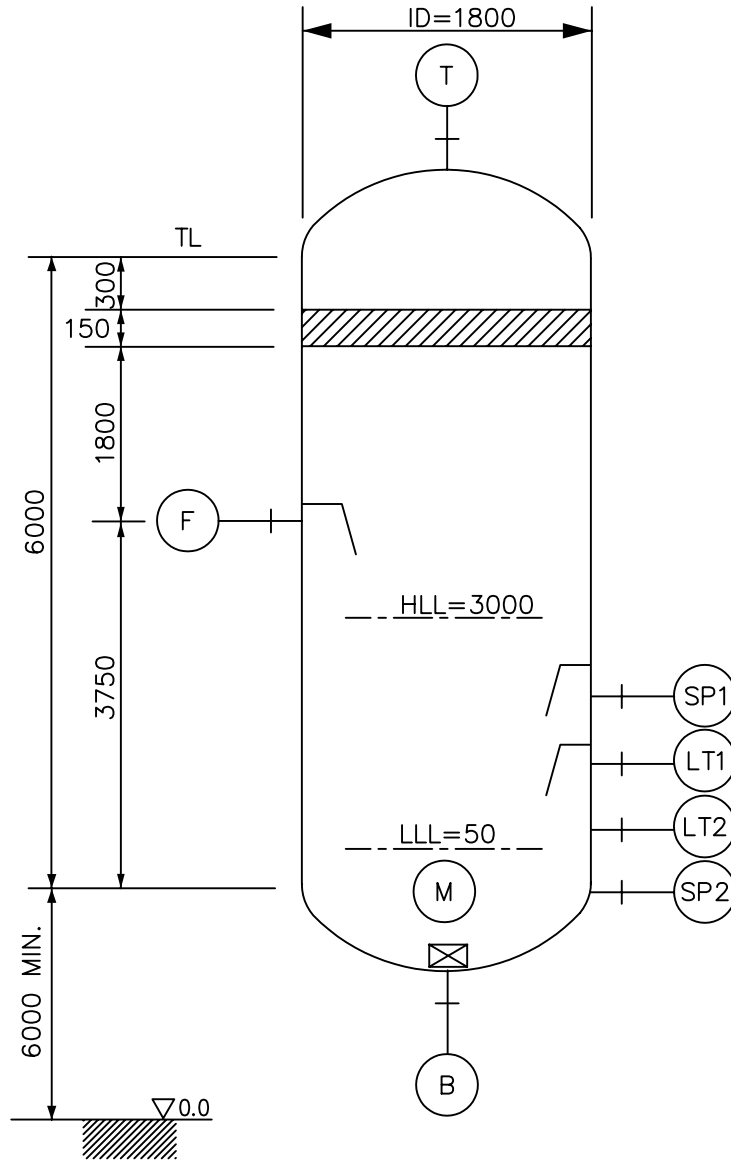
CLIENT : BCPL-ASSAM
 JOB NO. : 6907

UNIT NO. : 11

ITEM NO. : 11-VV-006

SERVICE : HP SEPARATOR

SKETCH OF THE VESSEL



ALL DIMENSIONS ARE IN MM
 DIAMETER IS INTERNAL DIAMETER
 LENGTH IS FROM TANGENT LINES

0	10.09.08	ISSUED FOR PACKAGE/ENGG.	NATHU			
Rev. No.	Date	Purpose	Drawn By	Prepared By	Reviewed By	Approved By