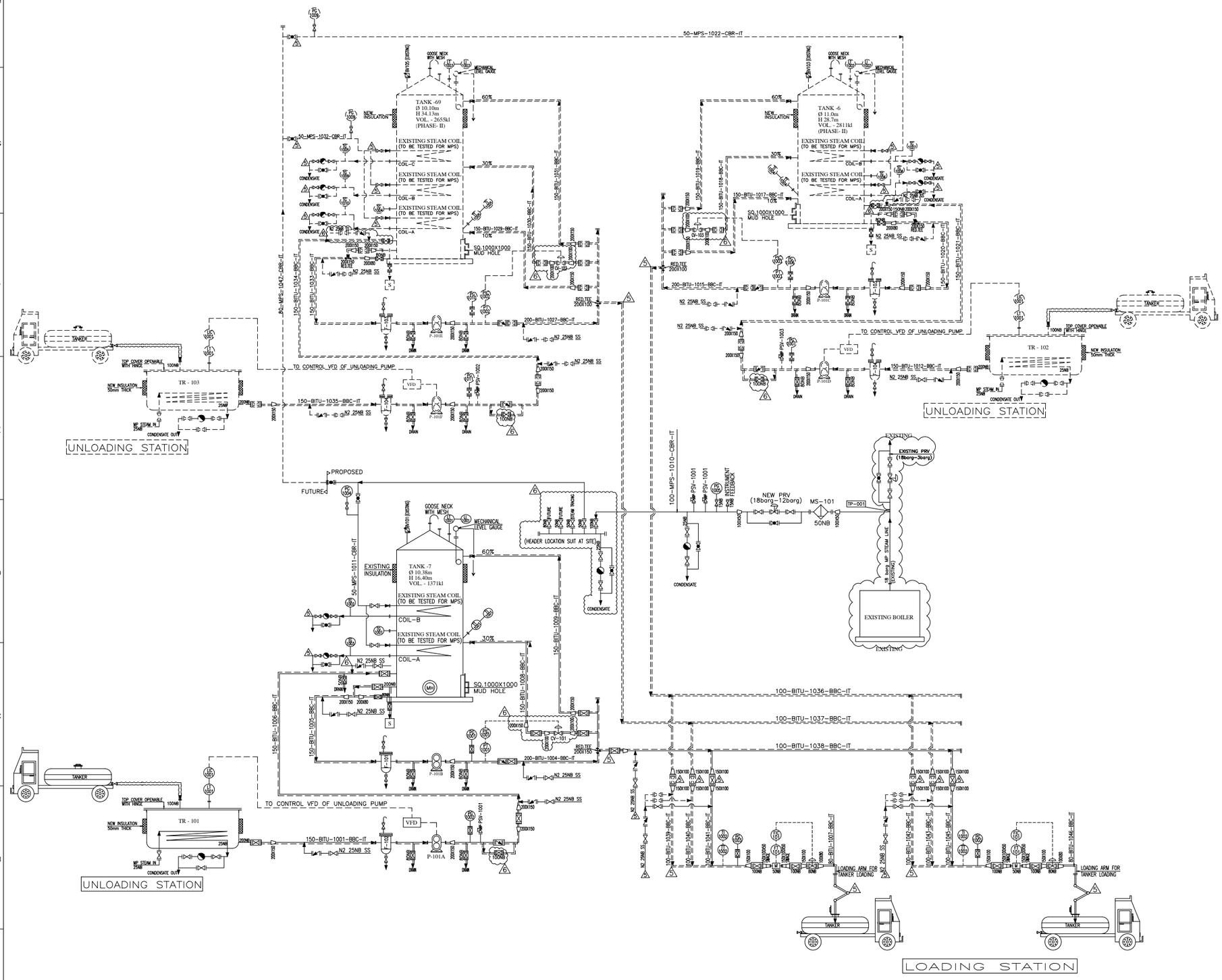

EQUIPMENT LIST

SR. NO.	EQP. NO.	DESCRIPTION	CAPACITY	M.O.C.	REMARKS
01	TANK - 6	BITUMEN STORAGE TANK	2811.284 kl	SS304	EXISTING - PH II
02	TANK - 7	BITUMEN STORAGE TANK	1371 kl	CS/SS304	EXISTING - PH I
03	TANK - 69	BITUMEN STORAGE TANK	2685.612 kl	CS/SS304	EXISTING - PH II
04	P-101A	BITUMEN UNLOADING PUMP - A	120m³/hr. / 40mlc	CS	NEW - PH I
05	P-101B	BITUMEN CIRCULATION PUMP - B	80m³/hr. / 40mlc	CS	NEW - PH I
06	P-101C	BITUMEN CIRCULATION PUMP -C	80m³/hr. / 40mlc	CS	NEW - PH II
07	P-101D	BITUMEN UNLOADING PUMP - D	80m³/hr. / 40mlc	CS	NEW - PH II
08	P-101E	BITUMEN CIRCULATION PUMP - E	80m³/hr. / 40mlc	CS	NEW - PH II
09	P-101F	BITUMEN UNLOADING PUMP - F	80m³/hr. / 40mlc	CS	NEW - PH II
10	TR-101	UNLOADING TROLEY	---	SS	EXISTING-PH I
10	TR-102 / 103	UNLOADING TROLEY	---	SS	EXISTING-PH II

LEGENDS

JACKETED VALVE	GEAR PUMP	CENTRIFUGAL PUMP	
GLOBE VALVE			
GATE VALVE	BREATHER VALVE		
PRESSURE SAFETY VALVE	TP-001	TIE POINT	
S	SAMPLING POINT	PRESSURE RELIEF VALVE (PRV)	
CHECK VALVE	TT	TEMPERATURE TRANSMITTER	
PG	PRESSURE GAUGE	TI	TEMPERATURE INDICATOR
TG	TEMPERATURE GAUGE	LSL	LEVEL SWITCH LOW
LI	LEVEL INDICATOR	LSH	LEVEL SWITCH HIGH
LT	LEVEL TRANSMITTER		INSULATION
	BASKET STRAINER		HOSE PIPE
	PHASE - I	M	MASS FLOW METER
	PHASE - II		
	MOISTURE SEPERATOR		

INSULATION TYPE
PIPING SPECIFICATION
SEQUENTIAL NUMBER
FLUID SERVICE
PIPE LINE SIZE

ASSUMPTION :

1. WHILE UNLOADING IS GOING ON LOADING OPERATION CAN BE DONE.
2. RECIRCULATION PUMP WILL BE USED FOR LOADING ALSO.

NOTES -:

NOTE-1 . JACKETED VALVE BORE SIZE SHOULD BE 150NB & FLANGE SIZE SHOULD BE IS 200NB.

REV.	DESCRIPTION	DRN	CHD.	APP	DATE
6	REVISED AS MARKED	MRH	AS/SK	PS	10.10.2016
5	REVISED AS MARKED AND TANKER LOADING SYSTEM HAS BEEN CHANGED	MRH	AS/SK	PS	24.09.2016
4	P&ID CHANGED AS PER BPCL VISIT ON 22.09.2016	MRH	AS/SK	PS	23.09.2016
3	ISSUED FOR FINAL APPROVAL	MRH	AS/SK	PS	21.09.2016
2	ISSUED FOR APPROVAL	MRH	AS/SK	PS	06.09.2016
1	ISSUED FOR REVIEW	MRH	AS/SK	PS	23.08.2016
0	ISSUED FOR COMMENTS	MRH	AS	PS	25.05.2016

REVISION BLOCK

V V F LIMITED

Hay, Bunder Road, Sewree, Mumbai – 400033. Maharashtra. India

TITLE: P&ID FOR BITUMEN STORAGE FACILITY AT VVF LIMITED SEWREE (PHASE - I & II)

DRN	CHD.	APP	SCALE	DATE	NO. OF SHEET	
					1 of 1	
MRH	AS	PS	NTS	25.05.2016	DRG. NO.	REV
					VVF-SEW-PID-BITU-001	06