

P-104  
SUMP PUMP  
CAPACITY = 25 M3/Hr  
HEAD = 19 M  
POWER = 2.34 KW

**APPROVED**  
By Ismail at 9:56 am, Dec 17, 2014


FROM PSH-116/117  
3555-R-DB-0000-002

- NOTES**
- 1. H1, H3, H4 AND H6 ARE HYDRANTS WITH SPRAY GUN
  - 2. CABINET WILL BE REQUIRED NEAR EACH HYDRANT FOR HOSE PIPE AND SPRAY NOZZLE
  - 3. EACH UTILITY PIPE CONNECTION WILL BE REQUIRED WITH QUICK COUPLING
  - 4. TERMINATING CONNECTION FROM APPROPRIATE POSITION ON EXISTING HEADERS. (REFER PLOT PLAN)
  - 5. FIRE PROOFING OF VESSEL LEGS UPTO 6M HEIGHT.
  - 8. TWO INSIDE DYKE, ONE NEAR PUMP.
  - 9. REFER P&ID 3555-R-DB-0000-002-\* FOR LEGEND.
  - 10. PUSH BOTTON (PB-102, PB-103) NEAR PUMPS CLOSE TO STAIRS.
  - 11. 3" MONITOR & 2.5" HYDRANT WITH 6" BARREL.
  - 12. BV IS FOR BUTTERFLY VALVE.
  - 13. FOR LINE NO. 1077, 1078, 1079, 1061, 1062, USE FIRE WATER SPECS FOR PIPING.

11	24.09.09	AS BUILT	SZH		BIK	-	
10	23-12-03	SECOND AS BUILT	MAA		IU	SNR	
9	30-12-99	FIRST AS BUILT	YM		RZA	ZM	
8	09-08-99	HAZOP CHANGES INCORPORATED	YM		RZA	ZM	
7	28-04-99	ISSUED FOR CONSTRUCTION	YM		RZA	ZM	
6	12-04-99	ISSUED FOR CONSTRUCTION	YM		RZA	ZM	
5	02-04-99	ISSUED FOR CONSTRUCTION	YM		RZA	ZM	
4	02-03-99	ISSUED FOR CONSTRUCTION	YM		RZA	ZM	
REV	DATE	DESCRIPTION	INIT.	SIGN	INIT.	SIGN	INIT.
			BY	CHK'D		APP'VD	

REVISIONS


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**DESCON ENGINEERING LTD.**  
P.O. BOX 1201, LAHORE 54000, PAKISTAN

ORIGINAL	INIT.	SIGN	DATE	E.F.	NAME
ENGINEER	RZA		30/12		J7R003J
DRAWN	YM		30/12	SIZE	SCALE
CHECKED	ZM		30/12	A3	NTS
APPROVED	IA		30/12		

THIS DOCUMENT HAS BEEN  
MODIFIED MANUALLY  
☐ YES ☐ NO

EPTL DOC. NO.  
D R 0 0 3 0 9

CLIENT  **ENGRO PAKTANK  
TERMINALS LTD.**

PROJECT **VCM STORAGE & HANDLING  
FACILITIES**

TITLE **P & ID  
FIRE FIGHTING AND FRESH WATER**

DOCUMENT NUMBER		SHEET	REV
3555-R-DB-0000-003-*		NO	OF
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