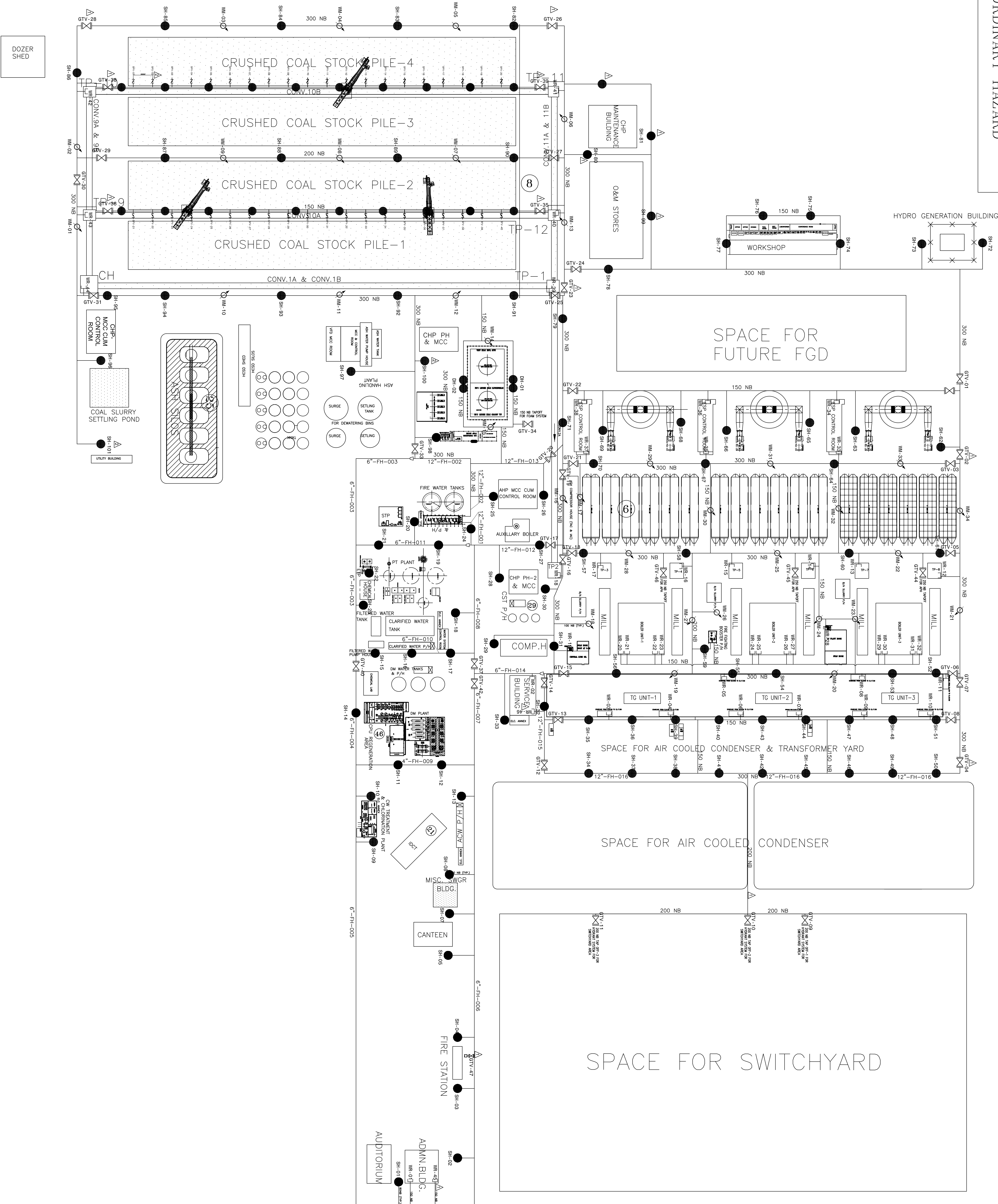


CLASSIFICATION OF HAZARD  
ORDINARY HAZARD

GENERAL DIMENSIONAL LIMITS,FITS & TOLERANCES AS PER HY0230261



SCHEDULE OF HYDRANTS				
DETAILS	TAG NO.	QUANTITY	EQUIV. SH	UNUSED TAG NO.
SINGLE HEADED EXTERNAL HYDRANT	SH-01 TO 101	99 NOS.	99 NOS.	---
DOUBLE HEADED EXTERNAL HYDRANT	DH-01 TO 02	02 NOS.	04 NOS.	---
WATER MONITOR (EQUIV. TO 3 SH)	WM-01 TO 34	34 NOS.	102 NOS.	---
ISOLATION VALVES	01 TO 47	47 NOS.		32,41,43
BUTTERFLY VALVE	BRV-01 - 40	40 NOS.		

LEGEND:-	
SYMBOL	DESCRIPTION
SH	SINGLE HYDRANT
DH	DOUBLE HYDRANT
WM	WATER MONITOR
WR	WET RISER
GV	GATE VALVE
PH	FIRE HYDRANT LINE
4-WAY	4-WAY FIRE BRIGADE
Butterfly Valve	BUTTERFLY VALVE

CUSTOMER:  
**NTPC**

PROJECT:  
NORTH KARANPURA SUPER THERMAL POWER PROJECT  
(3X660MW)

**NTPC Limited**  
(A GOVERNMENT OF INDIA ENTERPRISE)

**Bharat Heavy Electricals Ltd.**  
HYDERABAD

DEPT.	UNTO.	DMS.	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF
415	LTD.	CH/AFD	1:1	---	---	---	---

**PAID DIAGRAM FOR HYDRANT SYSTEM (INCLUDING P AND I DIAGRAM OF BOOSTER PUMP)**

**4410-001-151-PW-1-001**

REV. 02

**BHARAT HEAVY ELECTRICALS LIMITED**  
**PROJECT ENGINEERING & SYSTEMS DIVISION**  
**R C PURAM HYDERABAD 502032**

**PROJECT:** 3 x 660 North Karanpura STPP

**PACKAGE:** Fire Protection & Detection System

**Subject:** BHEL Replies against Customer comment on P&ID for Hydrant System- 4410-001-151-PVM-L-001-Rev 01

Sl. No.	NTPC Comments	BHEL Replies	NTPC Replies
1	Mention the dimension of facilities then only number of hydrants can be calculated	This is a conceptual drawing only. Dimensional details of respective buildings shall be indicated in the layout drawing. However, we confirm that spacing between hydrant points in the hydrant network shall not be more than 45 meters as per TAC cl. No. 7.6.11. We request you to accord approval on the same.	
2	CHP PH and MCC to be protected with Hydrant	Noted. Document revised according.	
3	Utility Building to be protected with Hydrant	Noted. Document revised according.	
4	As mentioned in last revision, all along these lines, butterfly valve @20 m need to be provided in hydrant line for MVW spray protection of stacker reclimer machine.	Noted. Document revised according.	
5	Make the dimension of Admin & Audi and provide the hydrants all along the building, as these seems not sufficient	This is a conceptual drawing only. Dimensional details of respective buildings shall be indicated in the layout drawing. However, we confirm that spacing between hydrant points in the hydrant network shall not be more than 45 meters as per TAC cl. No. 7.6.11. We request you to accord approval on the same.	
6	This document shall be resubmitted after approval of various documents like area layout and FEH	This is a conceptual drawing only. Dimensional details of respective buildings shall be indicated in the layout drawing. However, we confirm that spacing between hydrant points in the hydrant network shall not be more than 45 meters as per TAC cl. No. 7.6.11. We request you to accord approval on the same.	