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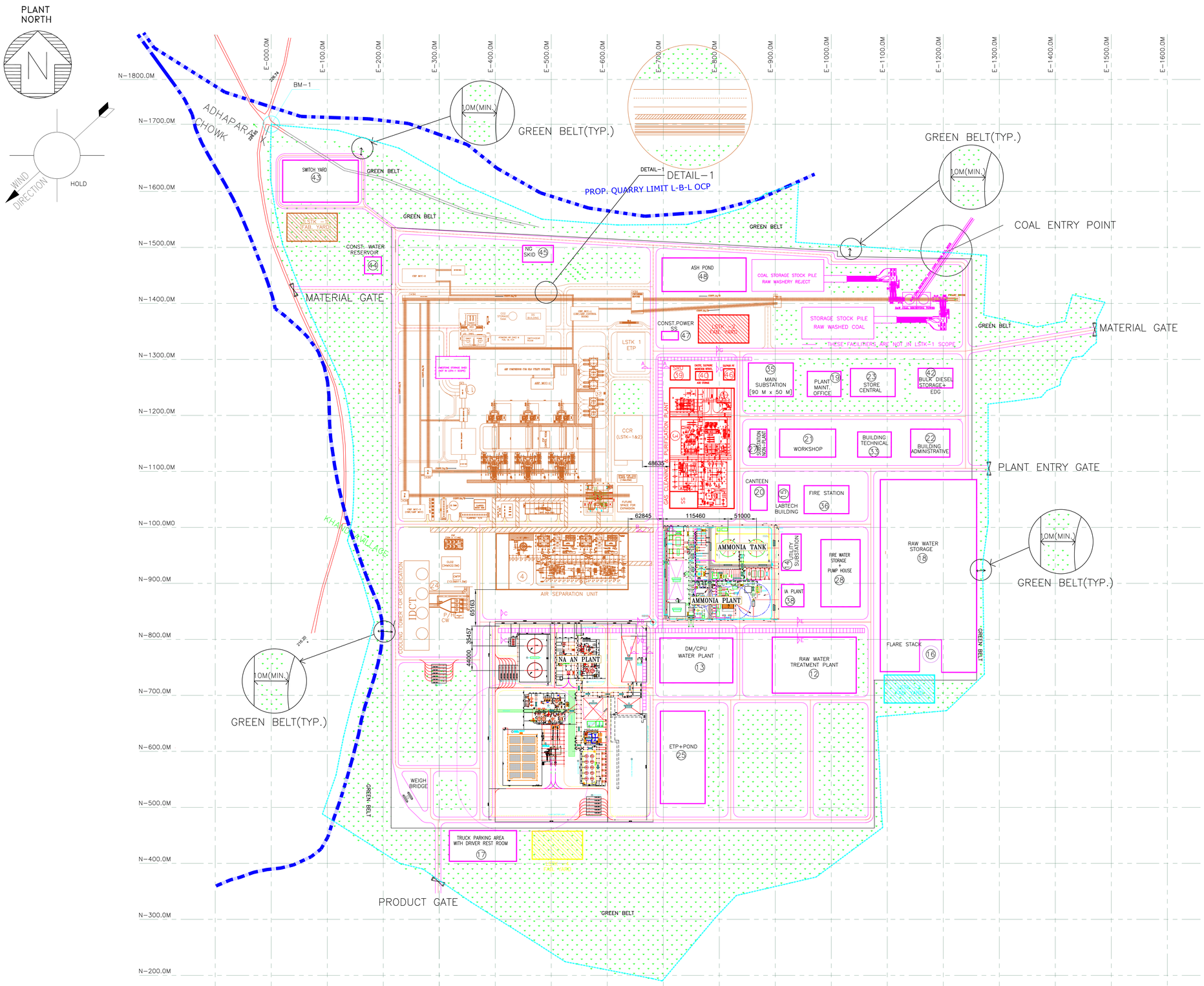


TABLE FOR FACILITIES/UNITS

SL.NO.	BLOCK DESCRIPTION	SIZE IN METER	REMARKS
1.	COAL & LIME STORAGE	PACKAGE	
2.	GASIFICATION PLANT	PACKAGE	
3.	GAS CLEANING & PURIFICATION PLANT	215 M x 115 M	
4.	AIR SEPARATION UNIT	250 M x 100 M	
5.	LSTK -3 (AMMONIA PLANT=AMMONIA STORAGE)	210 M x 165 M	
6.	~~NITRIC ACID PLANT~~	-	
7.	~~AMMONIUM NITRATE~~ PLANT WITH PRILLING	100 M x 80 M	
8.	~~NITRIC ACID STORAGE~~	-	
9.	DELETED	-	
10.	LSTK -4 (WNA+AN PLANT+ CT+ ASSOCIATED FACILITIES)	355 M x 285 M	
11.	STEAM GENERATION PLANT	PACKAGE	
12.	RAW WATER TREATMENT PLANT	150 M x 100 M	
13.	DM/CPU WATER PLANT	130 M x 80 M	
14.	UTILITY SUBSTATION	65 M x 35 M	
15.	LAB TECH BUILDING	30 M x 20 M	
16.	FLARE STACK	R 90M	
17.	TRUCK PARKING AREA WITH DRIVER REST ROOM	120 M x 55 M	
18.	RAW WATER STORAGE	57000 SQM.	
19.	PLANT MAINT. OFFICE	60 M X 45 M	
20.	CANTEEN	45 M x 30 M	
21.	WORKSHOP	100 M x 50 M	
22.	ADMINISTRATIVE BUILDING	70 M x 50 M	
23.	CENTRAL STORE	80 M x 50 M	
24.	COOLING TOWER FOR GASIFICATION AND UTILITY	160 M x 100 M	
25.	ETP+POND	140 M x 100 M	
26.	DELETED	-	
27.	NON-TECH. SUBSTATION	50 M x 30 M	
28.	FIRE WATER STORAGE+FWPH	120 M x 70 M	
29.	DELETED	-	
30.	~~LOADING BAY ANS~~	-	
31.	~~COOLING TOWER FOR AMMONIA, NITRIC ACID AND AN PLANT~~	-	
32.	CENTRAL CONTROL ROOM	DELETED	
33.	TECHNICAL BUILDING	60 M x 45 M	
34.	~~ANP STORAGE, BAGGING & TRUCK LOADING~~	-	
35.	MAIN SUB-STATION	80 M x 60 M	
36.	FIRE STATION	80 M x 50 M	
37.	ASH SILO	PACKAGE	
38.	IA PLANT	40 M x 40 M	
39.	SRU UNIT	35 M x 25 M	
40.	MAGNESIUM NITRATE, CAUSTIC, SULPHURIC ACID STORAGE	30 M x 15 M	
41.	~~ANS STORAGE~~	-	
42.	BULK DIESEL STORAGE + EDG	-	
43.	SWITCHYARD	135 M x 75 M	
44.	CONSTRUCTION WATER RESERVOIR	30M x 30M	
45.	NG SKID	55 M x 30 M	
46.	SULPHUR PIT	20 M x 20 M	
47.	CONSTRUCTION POWER SUB-STATION	30 M x 15 M	
48.	ASH POND	150 M x 60 M	
49.	~~LOADING/UNLOADING BAY FOR NITRIC ACID~~	-	
50.	LOADING/UNLOADING BAY FOR AMMONIA	48 M x 15 M	

NOTES:–

1. ALL DIMENSIONS AND COORDINATES ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. REFERENCE BENCH MARK (⊕) POINTS IS W.R.T GLOBAL CO-ORDINATES HAVING N–2405091.480 & E–793109.852 (GRID COORDINATES N–1700.0M, E–000.0M).
3. BLOCK SIZE OF FACILITIES ARE TO BE FINALIZED AFTER GETTING VENDOR INFO.
4. * INDICATES HOLD.

LEGEND :~

- OFFSITE FACILITIES
- LSTK-1 FACILITIES
- LSTK-2 FACILITIES
- LSTK-3 FACILITIES
- LSTK-4 FACILITIES
- GREEN BELT AREA

TOTAL PLANT AREA WITH GREEN BELT = 350.00 ACRE (APPROX.)
PLANT AREA = 195.00 ACRE (APPROX.)
GREENBELT AREA = 155.00 ACRE (APPROX.)

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD

JOB NO. 544
STATUS CONTRACT
DISTRIBUTION

PROJECT: COAL TO 2000 TPD AMMONIUM NITRATE PROJECT OF M/S BCGCL AT LAKHANPUR (ODISHA) INDIA.
CUSTOMER: Bharat Coal Gasification and Chemicals Limited
CONSULTANT: PROJECTS & DEVELOPMENT INDIA LIMITED

BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NOIDA

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DEPT CODE		NAME	SIGN	DATE
M	DRN	ADK		02.03.2026
	DES	RKJ		02.03.2026
	CHD	RKJ		02.03.2026
	APPD	SKA		02.03.2026

TITLE: GENERAL ARRANGEMENT LAYOUT OF COAL BASED AMMONIUM NITRATE PLANT

DEPT. | SIGN | SCALE 1:2500 | DRAWING NO. PE-DG-544-100-M001 | SHEET 1 OF 1 | REV. 00 | SIZE-A0

ELECTRONIC FILE NAME : 544-100-M001.DGN