



LIST OF FACILITIES/BUILDINGS	
SL. NO.	DESCRIPTION
1	CHP MAIN SUBSTATION & CONTROL ROOM BUILDING
2	MAIN GATE [ADMIN. BUILDING CUM CEO'S OFFICE]
3	TIME & SECURITY OFFICE
4	ADMINISTRATIVE BUILDING CUM CEO'S OFFICE
5	CANTEEN BUILDING
6	SECURITY OFFICE [NEAR RECEIVING PIT AREA]
7	SETTLING POND -1 & 2
8	RECOVERY WATER PUMP HOUSE & CHEMICAL TREATMENT UNIT -2NOS
9	POTABLE WATER TANK(OVER HEAD)- 30 CUM
10	POTABLE WATER TREATMENT UNIT INCL. RESERVOIR & PUMP HOUSE
11	SERVICE WATER RESERVOIR & PUMP HOUSE
12	FIRE STATION BUILDING
13	DC ROOM
14	CHP STORE SHED & STORE OFFICE
15	CHP MAINTENANCE SHOP/WORK SHOP
16	COMPRESSOR HOUSE
17	BRIDGE OVER RAIL-2 NOS, 9M WIDE
18	RECEIVING PIT SUBSTATION
19	RLS SUB-STATION
20	BOUNDARY WALL (ADMIN. BUILD CUM CEO'S OFFICE)
21	CHP OFFICE BUILDING
22	REST SHELTER
23	OVER GROUND BUNKER
24	RAPID LOADING SYSTEM
25	SECURITY BARRACK
26	RECEIVING PIT
27	ELEVATED TABLE OF COMPACTED EARTH
28	LABORATORY FOR COAL ANALYSIS
29	MINE SUB-STATION
30	BRIDGE OVER GARIA NALA -2NOS
31	WEIGH BRIDGE (TRUCK) -2NOS
32	WATCH TOWER
33	FIRST AID ROOM
34	TRAINING CENTRE
35	TWO WHEELER & CAR PARKING SHED
36	RAIN WATER HARVESTING POND
37	POTABLE WATER PIPE LINE TO MINE COLONY-BOOM
38	TRANSFORMER & DC ROOM FOR ADMIN. BUILDING
39	BARBED WIRE FENCING AROUND WATER RESERVOIR & WTP
40	BOX CULVERTS OF SIZE 4Mx4M BELOW RLY. & ROAD

LEGEND	
SYMBOL	DESCRIPTION
	BOREHOLE
	LEASE BOUNDARY
	QUARRY SURFACE BOUNDARY
	QUARRY FLOOR BOUNDARY
	SURFACE CONTOUR WITH R.L. FROM GR
	SURFACE CONTOUR WITH R.L. FROM TOPOSHEET
	FLOOR CONTOUR OF SEAM RAMPUR-1
	QUARRY SLOPE
	OVERBURDEN DUMP SLOPE
	MINE HAUL ROAD
	SURFACE HAUL ROAD
	EXTERNAL OB DUMP
	CHP
	SETTLING TANK
	OTHER SURFACE ROADS
	GARLAND DRAIN

NOTE :- 1) THE DIMENSIONS SHOWN IN THE DRAWING ARE INDICATIVE AND SHOULD NOT BE USED TO FINALIZE CO-ORDINATE.

	Block Boundary
	Village Boundary
	Road
	Nala
	Diverted Nala
	Plot Boundary
	Plot Number
	Dump Boundary
	RITES MGR Line
	Forest Land Not Acquired
	Forest Land Acquired
	Govt Land Not Acquired
	Govt Land Acquired
	Private Land Not Acquired
	Private Land Acquired

NOTES :-

- ALL DIMENSIONS & LEVELS ARE IN METERS UNLESS OTHERWISE NOTED.
- FINISHED GRADE LEVELS (FGLs) AT VARIOUS LOCATIONS OF CHP HAVE BEEN MARKED ON THIS DRAWING ALONG WITH TENTATIVE AREA GRADING PLAN. BASED ON THIS, THE BIDDER SHALL ASSESS THE QUANTITY OF CUTTING & FILLING INVOLVED IN AREA GRADING. THE EXTENT OF GRADING SHALL BE MINIMUM 15 M FROM THE EDGE OF THE FACILITY UNLESS MENTIONED OTHERWISE. THE BARBED WIRE FENCING AROUND THE BULB AREA SHALL BE AT 5 M INSIDE FROM AREA GRADING LINE.
PROPER PERMANENT DRAINAGE OF RUNOFF WATER IN ADJOINING DISCHARGE POINTS FROM ALL SLOPED SURFACE SHALL BE UNDER BIDDER'S SCOPE. THE ULTIMATE DISCHARGE SHALL BE AROUND POINTS A & B AS SHOWN.
- AREA GRADING SLOPE SHALL BE LIMITED TO H2 : V1 [MAXIMUM]
- FOR DRAINAGE INSIDE THE BULB AREA, SOME TENTATIVE CULVERT (UNDER THE RLY TRACK) HAVE BEEN MARKED. FOUR(4) NOS. OF CULVERTS WILL BE CONSTRUCTED BY MGR EPC CONTRACTOR WHILE THE BALANCE NOS. AS REQUIRED FOR SMOOTH WATER DISCHARGE, SHALL BE CONSTRUCTED BY CHP EPC CONTRACTOR. NO. & LOCATIONS OF THE CULVERTS SHALL BE FINALISED BY CHP CONTRACTOR DURING DETAIL ENGINEERING STAGE.
- TO AVOID FLOODING OF RAILWAY LINES (MGR) FROM ADJACENT CATCHMENT BULB AREA A DRAIN CHANNEL (TRAPZOIDAL) TO BE PROVIDED AS SHOWN IN PLOT PLAN. TOP OF THE DRAIN CHANNEL BE 1 M BELOW THE RAIL LEVEL. THIS CHANNEL WILL CONNECT THE CULVERTS CROSSING THE RAIL TRACKS & DISCHARGE STORM WATER TO THE DESIGNATED OUTFALL LOCATIONS A & B.
- THE EXTENT OF DIFFERENT GRADE LEVELS HAVE BEEN SHOWN AS INDICATIVE. CHP BIDDER SHALL DESIGN EARTHWORKS GRADE LEVELS ACCORDINGLY, SO THAT SMOOTH WATER DRAINAGE FOR THE ENTIRE PLOT IS ACHIEVED.

REFERENCE DRAWINGS :
SURFACE LAYOUT PLAN (CMPDI) : RT: P&D: 001449

NO.	REVISED AS PER DISCUSSION CLIENT'S COMMENTS ON MAIL DATED 26.06.14	SK	AP	5	09.02.17	FOR TENDER ONLY	16.06.14	SIGNATURE
KC	SKB							
KC	SKB							
KC	AD							
KC	AD							
KC	AD							
KC	AD							
APPROV	PROS. MECH. INST. ELEC. STRL. ARCH. REVIEWED							

PROJECT: MANOHARPUR MINE END CHP

ODISHA COAL AND POWER LIMITED

TITLE: - MINE END CHP PLOT PLAN
(TENTATIVE SITE GRADING PLAN WITH CONTOUR)

DEVELOPMENT CONSULTANTS PVT LTD
CONSULTING ENGINEERS
KOLKATA MUMBAI CHENNAI NEW DELHI

DRAWN : AP CHECKED : SK SCALE 1:10000
REVIEWED : AD DATE 19.05.14
APPROVED : KC JOB NO. 13L16

DWG. NO. 13L16-DWG-M-PL-001 (Sht.-2) REV. 5