

CUSTOMER : NTPC-SAIL Power Company Ltd.				
PROJECT : 1X250 MW Rourkela Power Project PP-III				
Sl. No.	Comments zone	MECON/NSPCL comments Dtd 15.09.2017 (marked in the drg.)	BHEL Compliance/Clarifications Dtd. 30.11.2017	Remarks
Document/Drawing Title : PLOT PLAN				
Document/Drawing Number : PE-DG-427-100-M001 Rev 06				
1	E3	Kindly mark the approved coordinates.	The marked co-ordinates are approved one only.	
2	F2	Road to be shown along with berm and drain and ensure the availability of space for laying cable duct and other facilities i.e. pipelines etc.	Only roads are depicted in the Plot Plan. However, clearance from berm/drain of the respective roads to the adjacent facilities, cable ducts/pipelines are being taken care. Moreover, in this area i.e. between existing Cooling tower & Clarified water tank, road is not possible due to space constraint considering pipes/cable ducts laid in that area.	
3	I1-I6	Road along with berm and drain to be shown as per the latest road layout.	Only roads are depicted in the Plot Plan for drawing's clarity. However, clearance from berm/drain of the respective roads to the adjacent facilities, cable ducts/pipelines are being taken care.	
4		As per TS clause 23 page 12 of 117, 01.01.10 and clause no 2.11.1 page 7 of 156, civil sec 3 vol II-F, the following to be mentioned in the note: "For deep excavation in the proximity of existing building, foundation, street, railway track, underground cabling, gas piping, water and drainage line, and the light, adequate appropriate precautions shall be taken to protect such structure or works from damage, displacement or settlement, either as an immediate result of the excavation or as after effect, discernible with the passage of time. The method of protection of existing structure and services may include sheet piling, shoring, strutting, slinging or any other method including dewatering" are included in the scope of BHEL.	The note is related to Civil works & is taken care in respective Civil drgs., as per requirement.	
5		The coordinates of the buildings/facilities which have been approved shall be marked in the drg.	Incorporated.	
6		Plot plan shall be progressively updated on the regular basis considering the provision of space requirement and actual sizes of the facilities.	Noted.	
7		The comment: "Railway track beneath 6A/6B deleted" needs to be removed.	Note has been removed as its agreement has already been held between BHEL-ISG & customer.	
8		The road orientation near N-100 & E-2700 may be checked considering the exact 132KV MSDS -3 tower -24A location.	The locations of 132KV line towers, roads & other facilities in this area have been indicated as per the input provided by customer during site visit (31.10.17 to 02.11.17).	

9	I1-I6	PT Plant also may be shifted in the north direction nearer to new boundary wall so that more space is available for clarified water storage tank for increased volume.	As per the modified boundary wall arrangement, boundary wall (N-282M) is at 10.6M from PTP (N-271.4M). Moreover, there is one 3.75M wide road b/w boundary wall & PTP at N-277.25M. So, there is no space to shift PT Plant in North direction.	
10		The exit track from GT needs to connected to the existing track which is running from existing GTs upto Transformer workshop.	Please note that rail tracks from transformer yard up to maintenance bay of power house building have been provided as per clause no. 01.00.00 (viii) of Chapter-7.1 of Section-VI, Vol-II E of the Technical Specification. This requirment of providing connection to the existing track is not mentioned in Technical Specification.	
11		Note no.- 4 to be revised suitably to exclude only the dismantling from BHEL scope.	This is as per the finalized contract document. May refer Volume C Book 1 of 1.	
12		AC Plant room shown in the GLP shall be checked wrt existing CW Blowdown line.	AC Plant room is a part of TG bldg. May refer TG Hall equipment layout drgs. PE-DG-427-100-M003 to M005. Moreover, the arrangment of CW blowdown pipe below AC Plant room has already been dicussed & finalized with customer. For same, refer Civil PH Bldg. - GA & RC Details of Ground Floor at EL.0.0M (drg. no. PE-DG-427-611-C065).	
13		Why not the new CT be shifted further towards the boundary wall so that recirculation effect is minimized for the existing CTs? PI check and clarify.	Due to space constraint considering paving all around CT and the arrangement of CW channel, facilities no. 35 & 36, Cooling Tower can not be shifted towards the boundary.	
14		Location and orientation of CHP control room cum MCC -2 room shall be corrected wrt CHP key plan/approved bldg drg.	Updated.	
15		RL (221.5) in the CHP area shall be indicated.	Updated.	
16		The 220 KV cable transmission corridor of width 6 M shall be indicated on the north of CHP area along the boundary wall. The above ground 220 KV (MSDS IV & VII) transmission lines shall be deleted.	Final route for 220 KV cable transmission corridor is awaited from customer. After receipt, the same will be indicated.	
17		The LOC no. for all the transmission towers shall be indicated.	LOC nos. based on the locations of 132KV line towers based on the customer input provided during site visit (31.10.17 to 02.11.17) have been indicated. Further, if there is any discrepancy, please provide the correct input for further updating in Plot Plan.	
18		The coordinate of the WT shall be corrected as per the latest WT GA drg.	Updated.	
19		SSY road coordinate shall be indicated.	Updated.	
20		The orientation of the admin bldg at the new location shall be checked and clarified so that it does not create any hindrance to air flow to PP-II cooling towers.	Admin bldg. location has been retained near Gate-1 based on discussions held with customer.	

21	I1-I6	Your reply "ETP and DM plant has been rearranged" is not clear. Pl note that DM plant bldg is already existing and can not be rearranged.	ETP arrangement has been updated in order to retain existing Store in that area. Further, instead of DM Plant, DM tank & Pumps were shifted near ETP as the pipe rack planned earlier to DM tank & Pumps area was not feasible due to space constraint.	
22		Boundary wall coordinates shall be marked.	Indicated.	
23	K10	Comment regarding deletion of Note no. 6 - Facilities marked 'symbol' to be rerouted by customer.	Facilities requiring rerouting are around FGD facilities & to be rerouted by customer as per the finalized contract document. May refer Volume C Book 1 of 1.	
24		Comment regarding addition of Note "Protection of existing facilities shall be made during the excavation of the proposed units".	Refer reply at Sl. No. 4.	
25		Boundary wall coordinates to be shown is indicative. The same shall be constructed to suit at site conditions.	Boundary wall is being updated as per its progress work at site. For construction, respective Civil drgs. of Boundary wall to be referred. However, the boundary wall will be updated progressively.	

01	TG BUILDING	07	CHIMNEY	13	AHP COMPRESSOR CUM WATER PUMP HOUSE	19	COAL STOCK PILE	25	FIRE WATER P/H & CLARIFIED WATER PUMPS	31	DELETED	35	CW TREATMENT PLANT	41	CHP MATERIAL STORAGE YARD
02	TRANSFORMER YARD	08	ESP CONTROL ROOM	14	COOLING TOWER	20	CHP CONTROL ROOM	26	F.G.D. SYSTEM FACILITIES			36	CHLORINE DIOXIDE DOSING SYSTEM	42	STACKER RECLAIMER MATERIAL STORAGE/ ASSEMBLY YARD
03	GIS SWITCHYARD	09	NEW ADMINISTRATIVE BUILDING	15	CWPH	21	COAL SETTLING POND	27	AIR WASHER ROOM (ON ROOF OF CW PH)	32	FLY ASH SILO, DECANATING SYSTEM & HCSO PUMP HOUSE AREA	37	DELETED	43	AHP MATERIAL STORAGE YARD
04	BOILER HOUSE	10	INTERMEDIATE ASH SILO	16	CLARIFIED WATER STORAGE TANK	22	WAGON TIPLER	28	PT PLANT			38	RAIN WATER HARVESTING POND	44	PLANT COMPRESSOR ROOM
05	MILL BAY	11	ASH SLURRY PUMP HOUSE	17	STP (IN DMP & CHP AREA)	23	WAGON TIPLER CONTROL ROOM	29	O&M STORE	33	SERVICE BUILDING (EXISTING)	39	SERVICE WATER TANK & PUMPS	45	CENTRAL LUBE OIL BUILDING
06	ELECTROSTATIC PRECIPITATOR	12	EMERGENCY DG STATION	18	DM STORAGE TANK & DM WATER TRANSFER PUMPS	24	ETP & GUARD POND	30	CRUSHER HOUSE	34	CONSTRUCTION STORE	40	DELETED		

1. ALL DIMENSIONS & LEVELS ARE IN METRES.
2. THE FINISHED FLOOR LEVEL OF POWER HOUSE GROUND FLOOR EL. 0.00M WHICH CORRESPONDS TO RL 219.0 M.
3. DIMENSIONS OF ALL BUILDINGS/FACILITIES SHOWN IN THE GLP ARE INDICATIVE AND ARE SUBJECT TO DETAILED EQUIPMENT LAYOUT DRG.
4. DISMANTLING, REMOVAL /DISPOSAL, REROUTING OF UNDERGROUND / OVER GROUND ANY EXISTING FACILITY / STRUCTURE IN PROPOSED PLANT AREA SHALL BE DONE BY CUSTOMER ONLY. CUSTOMER SHALL HAND OVER THE LEVELLED GROUND (UP TO FINISHED GRADE LEVEL) TO THE BIDDER, FREE FROM ANY ENCUMBRANCES AND STRUCTURE.
5. LOCATION, SPACE REQUIRED ETC. OF EQUIPMENT & FACILITIES NOT IN BHFL SCOPE (FGD, SCR ETC.) AND SHOWN IN DRAWING ARE ONLY INDICATIVE.
6. FACILITIES MARKED "⊗" TO BE REROUTED BY CUSTOMER.
7. SSS ROAD WIDTH IS 7.5M.
8. THE RAILWAY SLIDING INCLUDING THE LOCATION OF WAGON TIPPLER IS SHOWN INDICATIVELY AND IS SUBJECT TO THE APPROVED DPR FOR RAILWAY SLIDING.
9. CUSTOMER SCOPE'S 6.6kV CABLE & 132kV TRANSMISSION LINE ROUTE AND TOWER LOCATIONS ARE INDICATED BASED ON CUSTOMER INPUT.
10. FACILITIES FOR FGD SYSTEM MARKED WITH "*" ARE INDICATIVE ONLY.

1. CUSTOMER PLOT PLAN (GENERAL LAYOUT): MEC/G24F/11/14/02 REV 06
2. CUSTOMER PRELIMINARY TOPOGRAPHICAL SURVEY OF PROPOSED PIPE LINE & SLURRY LINE.
3. TOPOGRAPHICAL SURVEY DRAWING FEATURES & SPOT LEVEL (MAIN PLANT AREA): SUV/2016/3766/PLAN (BHEL)

PIPE/CABLE RACK		LIGHTING POLE	
ROAD			
RAILWAY TRACK			
EXISTING PLANT BOUNDARY			
PROPOSED PLANT BOUNDARY			
WATCH TOWER			

CUSTOMER		 NTPC – SAIL POWER CORPORATION LIMITED	
CUSTOMER'S CONSULTANT		 (मैकॉन लिमिटेड) MECON LIMITED	
JOB No. 427		ROURKELA PP-II EXHAUSTION PROJECT (1X250 MW)	
STATUS CONTRACT			
DISTRIBUTION			
TO			
NO.OFF			
REV	DATE	BY/NO	APP'D
01	05/07/2016	AL/MO	SPY/KJG JJ
01 DMS URGEDT ROUNE WITH MECON/NTPCL Corrrupts 17-08-2016		TITLE	
02 DMS URGEDT ROUNE WITH MEETING HELD WITH NTPCL 08-04-07-2016		PLOT PLAN	
MPL	C	MSE	I MAX E DEPT.
SCALE 1:2000		DRAWING No.	
SIGNAL		PE-DG-427-100-M001	
SHEET 01 OF 01		REV 07	
1.4	1.5		