

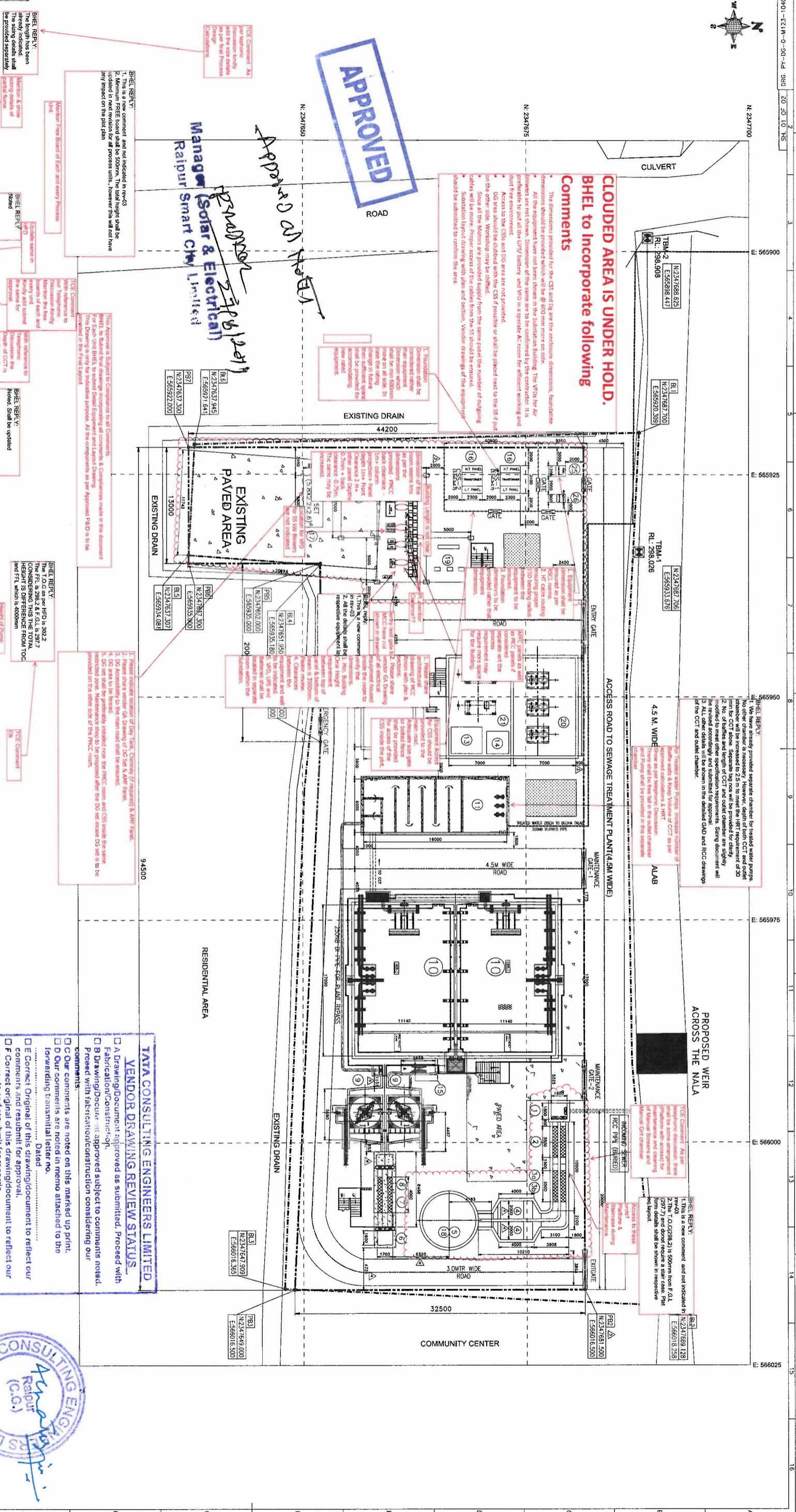


GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

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Sr. No.	DESCRIPTION	SIZE/CAPACITY	QTY.	REMARK
01	RECEIVING CHAMBER	1800 x 1800 x 1000 SMD.	01	
02	TRASH SCREEN CHANNEL - MECHANICAL	3500 x 600 x 300 SMD.	02	
03	COARSE SCREEN CHANNEL - MECHANICAL	3500 x 600 x 300 SMD.	01	
04	MANUAL GRT CHAMBER	4000 x 2000 x 1000 SMD.	02	
05	RAW SLUDGE SLUMP	6000 x 1500 x 1000 SMD.	01	
06	STILLING CHAMBER	1700 x 1600 x 1000 SMD.	01	
07	FINE SCREEN CHANNEL - MECHANICAL	4000 x 500 x 500 SMD.	01	
08	GRT CHAMBER - MECHANICAL	3500 x 3500 x 1000 SMD.	02	
09	SBR BASINS	11140 x 17000 x 5000 SMD.	02	
10	CHLORINE CONTACT TANK	16000 x 6000 x 2000 SMD.	01	
11	SLUDGE SLUMP	10000 x 5500 x 1500 SMD.	01	
12	DWPE DOSING SKID	3500 x 2500 x 2000 HT.	01	
13	HYPD CHLORINE DOSING SKID	2500 x 2500 x 2000 HT.	01	
14	ALUM DOSING SKID	2500 x 2500 x 2000 HT.	01	

Sr. No.	DESCRIPTION	SIZE/CAPACITY	QTY.	REMARK
15	PACKAGED SUBSTATION	3100 x 2300 x 2700 HT.	02	
16	DC SET	5800 x 2200 x 2900 HT.	01	
17	RAW SEWAGE PUMP HOUSE	6000 x 4000 HT.	01	
18	ADMIN BUILDING + LAB + SCADA	5000 x 5000 x 8000 HT.	01	G+1 FLOOR
19	AIR BLOWERS BUILDING	11000 x 7000 x 5000 HT.	01	G+1 FLOOR
20	SLUDGE DE WATERING BLDG (CENTRIFUGES)	11000 x 7000 x 9500 HT.	01	G+1 FLOOR
21	MAINTENANCE WORK SHOP	7000 x 4000 x 5500 HT.	01	
22	MCC ROOM	2400 x 2400 x 3500 HT.	01	
23	SECURITY ROOM	1200 x 1100 x 2500 HT.	01	
24	11KV RAU UNIT	1200 x 800 x 2300 HT.	01	
25	METERING PANEL	1000 x 800 x 2300 HT.	01	



CLOUDED AREA IS UNDER HOLD.
BHEL to Incorporate following Comments

- The dimensions provided for the CS and DG are the enclosure dimensions, foundation dimensions should be provided which will be @ 600 mm more on side.
- All the equipment have not been shown in the Substation Building. The VFDs for Air blowers are not shown. Dimension of the same are to be confirmed by the contractor. It is preferable to put all the VFDs and VFD in a separate AC room for efficient working and safety.
- Access to the CS and DG area are not provided.
- DG area should be clothed with the CS if possible or shall be placed next to the SF 6 gas on the other side. Workshop may be omitted.
- Since all the Motors are provided supply from the same panel the number of outgoing cables will be more. Proper access of the cables from the CS should be ensured.
- Substation layout drawing with plan and section, Vendor drawings of the equipment should be submitted to confirm the area.

APPROVED

Manager
 (Solar & Electrical)
 Raipur Smart City Limited

BHEL REPLY: comment and not included in report
 1. Minimum Free Board shall be 500mm. The total height shall be included in next revision for all process units, however this will not have any impact on the plot data

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- NOTES:**
- ALL DIMENSIONS ARE IN MM. ALL COORDINATES ARE IN METERS.
 - FINISHED GROUND LEVEL (F.G.L.) = 100.0 M CORRESPONDS TO 297.700 M RL AT SITE
 - TOP OF ROAD LEVEL (F.L.) = 100.5 M.
 - THE COORDINATES ARE W.R.T THE TEMP BENCH MARKS AS PER SITE TOPO SURVEY
 - DELETED---
 - PB: STP PLANT BOUNDARY / COMPOUND WALL.
 - BE: LIMITS AS PER SITE TOPO SURVEY (ONLY FOR REFERENCE).
 - FOR KEY PLAN AND STP'S SURROUNDING DETAILS REFER SHEET 02 OF 02

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REV.	DATE	BY	CHKD.	DESCRIPTION
01	21.08.19	RAJESH	RAJESH	ISSUED FOR PERMIT
02	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
03	19.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
04	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
05	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
06	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
07	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
08	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
09	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
10	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
11	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
12	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
13	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
14	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS
15	21.08.19	RAJESH	RAJESH	GENERAL REVISION AS PER COMMENTS



TATA CONSULTING ENGINEERS LIMITED
VENDOR DRAWING REVIEW STATUS

Approval conveyed herein neither relieves the Vendor/Contractor of his contractual obligations and his responsibilities for correctness of dimensions, materials of construction, weights, quantities, design details, assembly fits, performance requirements and conformity of the supplies with Indian statutory laws as may be applicable, nor does it limit the purchaser's rights under the contract.

Reviewed by: *[Signature]* Date: 22.8.19

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