Sl.No.	Description	Remarks
I	**Checklist for Plot plan**	
1	Proposal Plot plan to be reviewed.	
2	Actual site plot to be reviewed.	
3	North compass (True north and Plant north) should be shown.	
4	Reference block from previous executed projects of same capactiy shall be cross checked with particular project.	
5	Scope wise all the major equipments like Boiler, TG building, Fuel handling, Ash handling, WTP, Cooling tower, Compressors, Control room, switchyard, Dg sets etc., should be shown.	
6	Title block to be checked for drawing no. drawing description, client name, project name, rev. no. etc.,	
7	Notes to be checked.	
8	Legends to be checked.	
9	Plant grids to be shown.	
10	Access roads to be shown.	
11	Fuel handling conveyors should not foul with road headroom clearance	
12	All the equipments should be numbered and corresponding description to be shown in separeate table.	
13	Space saving layout to be ensured.	

Sl.No.	Description	Remarks
II	**Checklist for TG Building layout**	
1	North compass (True north and Plant north) should be shown.	
2	All floor level plan views and common elevation view to be shown	
3	TG deck and TG auxiliaries equipments shall be placed as per TG vendor layout.	
4	Maintenance bay to be provided.	
5	Access walkway to be provided all around the TG Hall.	
6	Staircase to be shown.	
7	Rolling shutter to be shown for Maintenance bay and water cooled condenser tube removal.	
8	Concurrence from E&I team on control room panel arrangement, cable trench/tray layout to be taken.	
9	Title block to be checked for drawing no. drawing description, client name, project name, rev. no. etc.,	
10	Notes to be checked.	
11	Legends to be checked.	
12	Reference drawings and its nos. to be checked.	
13	Elevation / Sectional view shall be shown with crane corbel level and lifting height.	

Sl.No.	Description	Remarks
III	**Checklist for P&IDs**	
1	Title block to be checked for drawing no. drawing description, client name, project name, rev. no. etc.,	
2	Notes to be checked.	
3	Legends to be checked.	
4	Reference drawings and its nos. to be checked.	
5	Pipe sizes, MOC and thickness to be cross checked with input line size sheet.	
6	Working Pressure/temperature and Design Pressure/temperature to be cross checked with input line size sheet.	
7	Piping terminal points to be checked with vendor terminal points.	
8	Tag.nos. to be checked with Tagging philosophy for all lines, valves,equipments etc.,	
9	Valve type, sizes and ratings to be checked.	
10	**For External steam PID,**	
10.1	Inputs from Turbine vendor HMBD, Steam PID to be taken for scheme, instruments, flow nozzles and QCNRV.	
10.2	Drains with steam trap with suitable size to be given for superheated lines, saturated lines .	
10.3	Motorised valves as per contract to be given.	
10.4	Safety valve at PRDS outlet should be given.	
10.5	TG warm up line with silencer to be given before Turbine inlet.	
11	**For Cooling water PID,**	
11.1	No of Cooling tower cells to be shown as per contract.	
11.2	No. of MCW and ACW and CT make up pumps to be shown as per contract.	
11.3	Pump suction strainers to be given	
11.4	MCW pump discharge expansion bellow to be given.	
11.5	Burried line shall be shown in dotted line.	
11.6	Water cooled condenser and Power plant auxiliaries like Generator air cooler, Lube oil cooler, Boiler feed pumps, SWAS and AHS surge hoppers to be shown in case to case basis.	
12	**For DM water PID,**	
12.1	DM tank MOC, capacity and scope to be shown.	
12.2	No. of DM water transfer pumps shal be as per contract to be shown.	
13	**For Compressed air PID,**	
13.1	Compressors for instrument air, service air and ash conveying air have to be shown as per contract.	

13.2	Air dryer and air receivers to be shown as per contract.	
13.3	Distribution to TG, Boiler, WTP and AHS area to be shown for instrument and service air.	

Sl.No.	Description	Remarks
IV	**Checklist for Civil & structural drawing**	
1	North compass (True north and Plant north) should be shown.	
2	FGl / FFL / RL to be checked.	
3	Coordinates to be checked with input drawings.	
4	Check overall dimensions in civil drawing with input civil assignment drawings.	
5	Check for openings, cutouts, insert plates and corner angles are provided as per input drawing.	
6	Check for fouling with the mechanical equipments, piping etc.,	
7	Check the levels of Building columns, beams etc., with input drawings.	
8	Check pit depth as per site allowable depth since water table will have impact on civil construction.	
9	Check for fouling of pit depth with any of the footing foundations.	
10	Plinth beam to be avoided at cable trench, Cooling water burried lines.	