

Completion Inspection Checklist – Infrastructure & Utility Services

(Bridges, roads, sewage, Manhole Chambers, STP & ETP Plants, and Substations, etc.)

Submission Ref:				Inspection Date:	
Project / Land Information					
Area Name				Plot No.	
Business Unit				Project ID	
Project / Building Detail					
<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	<input type="checkbox"/> Other:			

General Remark		Yes	No	Remarks
1	Presence of accredited Consultant			
2	Presence of accredited Contractor			
3	CED Approved Drawings			
4	Building Permit			
5	DCD NOC & Business Unit NOC			

	Architectural (The below are as per the approved drawings)	Yes	No	Remarks
1	Bridge access (in & out) as per approved drawing.			
2	Bridge elevation certificate in relation to bench mark as per approved drawing.			
3	Width & length of Bridge as per approved drawing			
4	Slop of Bridge as per approved drawing			
5	Bridge marking & signs as per approved drawing.			
6	Lighting Pole (type, location, numbers)			
7	Manholes size and location as per approved drawing			
8	Width of shoulders and walk way			
9	Finishing works and painting for bridge			

Consultant Stamp & Signature	Contractor Stamp & Signature

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	Architectural (The below are as per the approved drawings)	Yes	No	Remarks
10	expansion joints location and its Cover plates			
11	Surface drainage and Manholes size and location as per approved drawing			
12	Side walk and shoulders			
13	Tunnels dimensions			
14	Road access (in & out) as per approved drawing.			
15	Road level certificate in relation to bench mark as per approved drawing.			
16	Width & length of road as per approved drawing			
17	Slop of road as per approved drawing			
18	Median and Roundabout location and diameter as per approved drawing			
19	U-turn location as per approved drawing			
20	Kerbs and paving blocks			
21	Road marking & signs as per approved drawing.			
22	Pedestrian crossing mark location			

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	Architectural (The below are as per the approved drawings)	Yes	No	Remarks
23	Lighting Pole (type, location, numbers)			
24	Surface drainage and Manholes size and location as per approved drawing			
25	Landscape plans & sections indicating hard and soft landscape elements with dimensions			
26	Details baths, ramps ,staircases, lifts, garbage chute & garbage rooms to be as per approved drawing			
27	Car parking and Car shed to be as per approved drawing			
28	Crane (number and capacity) and machines installation , location to be as per approved drawing			
29	Lamination & Benching			
30	Safety Chain			
31	Hydrostatic Test for Main Lines			
32	Leakage Test of Manholes			
33	Cleaning Channel & Manhole			
34	Hydrostatic test for House Connection			
35	Installation of Cover & Frame with GRP Sealing Plate for H.C.C			

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	Architectural (The below are as per the approved drawings)	Yes	No	Remarks
36	Lamination & Benching for H.C.C (Type B)			
37	Internal Epoxy Painting (Type A)			
38	Chambers location , dimension and numbers			
39	Gullies Line / Level			
41	Installation of Grating & Cover Frame of Gully pot			
42	Installation of GRP Basket			
43	Leaning inside Gully Pot			
44	Pipes diameter			
45	Pressure Test (network to be prepared for test with gadgets)			
46	Pipe Anchors location , dimension and numbers			
47	Air Release Valve Chamber and Installation			
48	Air Release Valve Marker Post			
49	Wash Out Valve Chamber and Installation			
50	Wash Out Valve Marker Post			
51	Gate Valve Chamber and Installation			
52	Gate Valve Marker Post			
53	Buried Gate Valve Cover & Frame			

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Safety Section Checklist:

	Safety Section	Yes	No	Remarks
1	Water tanks provided with lockable inspection openings of adequate size			
2	Water tank supply tanks installed far away from drainage network lines, inspection chambers, septic tanks and soak ways			
3	Are septic tanks/ holding tanks is constructed inside the plot limits. All inspection chambers dug within plot limit itself			
4	Distance of 15 meters maintained between two successive inspection holes maintained			
5	All manhole covers are as per BSEN.124:1994			
6	Are odour control systems provided to sewage pumping stations & STPS's			
7	Are sewage pumping stations provided with minimum two nos. of pumps			
8	Suitable and safe access provided to dry walls & wet walls of pump stations, ventilations systems provided separately for both areas.			

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	Safety Section	Yes	No	Remarks
9	Provisions provided for equipment removal& fixing (Pumps, motors and other mechanical & electrical equipment) in pumping stations			
10	Maximum spacing between the storm gutter gullies is maintained at a distance of 25 meters			
11	Inspection chambers & Man hole covers raised 75 mm from natural ground level in agricultural lands			
12	Is the holding tank located atleast 5.5meters away from set-back/vehicular access area? Sewage tank is constructed at least 3 meters away from any footing for a building or a boundary wall			
13	level indicator with warning light, buzzer and breaching pipe for pumping out provided on holding tank to prevent overflowing			
14	Proper sludge collection & disposal facility available for STP plant			
15	Are all vent pipes from manholes and vertical stacks is extended above 2 meters above the roof of the building and a cowl is fitted at end.			

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	Safety Section	Yes	No	Remarks
16	Are all rain water/storm water is free discharge above the ground and not connected to sewer lines			
17	Interceptors provided for drainage lines on vehicle washing and service stations			
18	Floor drains provided on all garbage rooms, pump rooms and garage rooms			

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