

1) Technical Requirements:

Phase I: Design

a) Regional Laboratory plot (Apprx. 30 x 30m, 930sqm) to consist of the following buildings:

#	Details	Min. Area requirement (sqm)
1.	Single Storey regional laboratory main building	400 sqm.
2.	Parking area with min. 30% roofing for motorcycle, Cars and Van	As per regulation requirement
3.	Boundary Wall with Security post	-
4.	Single Storey staff block including Tearoom, Washrooms, etc.	90 sqm.
5.	Garbage/Waste Area	As per regulation requirement
6.	Defined walkways, Access ways to the buildings	-

b) Main Laboratory building to consist of the following rooms/spaces:

#	Details	Remarks
1.	Water test lab	<p>Water test lab to include the following:</p> <ul style="list-style-type: none">▪ Provision for storing of chemicals and reagents▪ Fume cupboard▪ Working Stations with sinks (Washing/Cleaning/discarding of the used samples, chemicals and waste liquids)▪ Safety & fire systems (including Alarms, Fire extinguishers,

		Sprinklers, eye wash & emergency showering station.
2.	Wastewater test lab	<p>Wastewater test lab to include the following:</p> <ul style="list-style-type: none"> ▪ Provision for storing of chemicals and reagents ▪ Fume cupboard ▪ Working Stations with sinks (Washing/Cleaning/discarding of the used samples, chemicals and waste liquids) <p>Safety & fire systems (including Alarms, Fire extinguishers, Sprinklers, eye wash & emergency showering station.</p>
3.	Biological and Micro-biological test lab	<p>Lab to include the following:</p> <ul style="list-style-type: none"> ▪ Provision for storing of chemicals and reagents ▪ Fume cupboard ▪ Working Stations with sinks (Washing/Cleaning/discarding of the used samples, chemicals and waste liquids) <p>Safety & fire systems (including Alarms, Fire extinguishers, Sprinklers, eye wash & emergency showering station.</p>
4.	Administrative block	Office Space for Manager, Supervisor and Technicians including workstations, Cabinets,etc.
5.	Lobby area with sample collection	Customer waiting arrangements and sample collection & form filling
6.	Report collection and waiting area (Lobby)	Customer waiting area with report collection