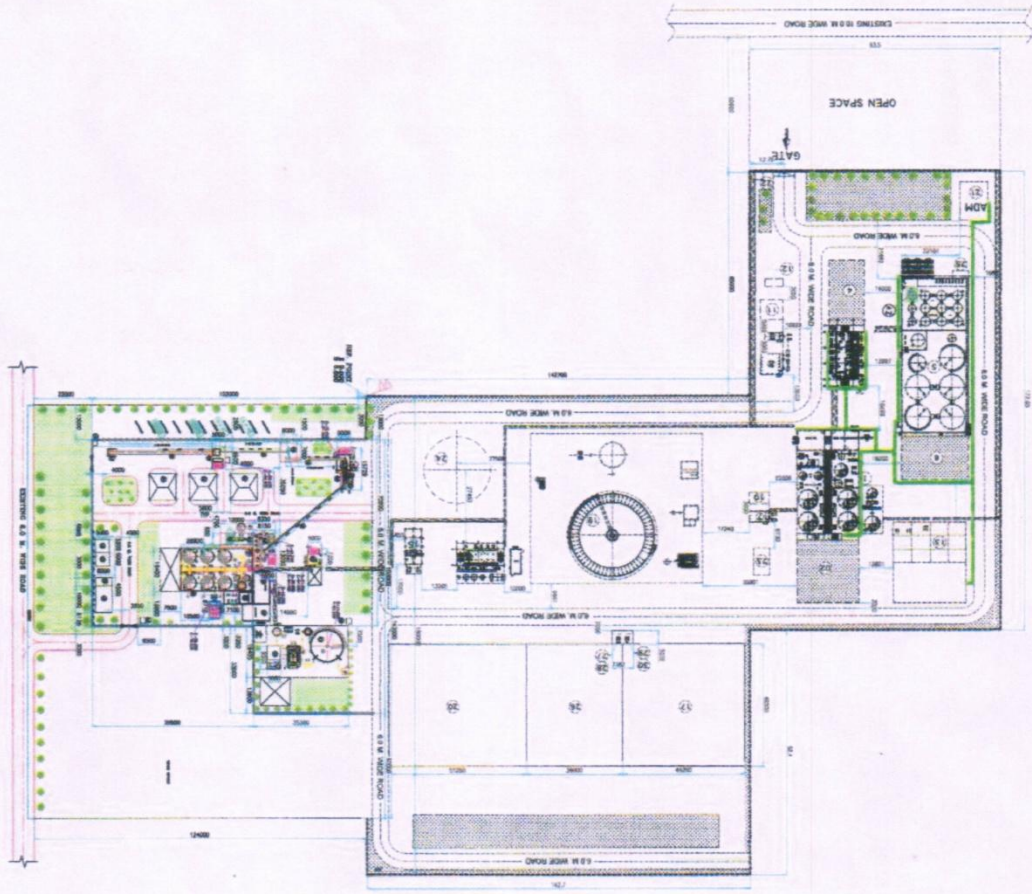


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<p>SHREEMATI BHASKARA SAKHAI PAKKAM LTD. 67, SOUTH ROAD, CHENNAI, TAMIL NADU, INDIA.</p>	
<p>CLIENT Shri. S. S. Srinivasan 67, SOUTH ROAD, CHENNAI</p>	<p>DATE 15/05/2018</p>
<p>PROJECT SHREEMATI BHASKARA SAKHAI PAKKAM LTD.</p>	<p>SCALE 1:1000</p>
<p>DESIGNER S. S. Srinivasan</p>	<p>CHECKED BY S. S. Srinivasan</p>
<p>DATE 15/05/2018</p>	<p>SCALE 1:1000</p>

- NOTES:-**
- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED
 - 2) THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES
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Rain Water Harvesting:

The aim of Rainwater harvesting is to mitigate losses through evaporation and seepage from the surface.

Prominent Rain water harvesting system in Urban Areas:

There are number of ways recharging the ground water such as

- Recharging of bore wells
- Recharge pits
- Recharge trenches
- Roof top rain water harvesting
- We are considering Recharging of recharge pits and roof top rain water harvesting for the present case. It should be noted that process of recharging is a continuous and slow process.
- The results can be observed after a period of 3 to 4 years

Recharge Pits:

These are successful in shallow depth pervious strata area. But even in basaltic strata they may connect the interlinking of voids and help in increasing the water table. Such pits can be provided independently on overpass area and even on the storm water drainage system through its chambers.

Roof Top Rain Water Harvesting:

Rain water collected from the roof top can be collected and connected to storm water distribution system through which it can be utilised for recharging as stated above.

Proposed Rain Water harvesting System:


Total roof area for rain water harvesting is 1279.24 m²

Roofs include Distillation Section, Work shop, store, admin office building, security cabin & entry gate, fermentation section etc.

Rain Water to be collected is,

$$= 1279.24 \times 0.8 \times 0.5$$

$$= 511.69 \text{ m}^3 \text{ in one season.}$$



M. G. Mansfield