

PREMIER

ENGINEERING CONSULTANTS

ON PLUMBING SANITARY, FIRE FIGHTING

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Dt. 9-06-2024

TO WHOM SO EVERY IT MAY CONCERN

We M/s. Premier Engineering Consultants are engineering consultants for water supply, plumbing and fire fighting for the last 3 (three) decades.

M/s. Modi Realty Genome Valley LLP is our clients for past 25 years. They have approached us and explained that they have submitted application for Occupancy Certificate for their residential project viz., Bloomdale Residency at Genome Valley, forming part of Sy.No.31/P, situated at Muraharipally Village, Shamirpet Mandal, Medchal Malkajgiri District, Telangna vide file No . 062513/MED/OC/U6/HMDA/27032024 dt. 27.04.2024 and inturn HMDA has issued a shortfall letter duly raised several queries and provision of STP is also one of the queries.

At the request of our client we have visited their residential project Bloomdale Residency at Genome Valley for which they have submitted application for Occupancy Certificate and inspected the plumbing lines and septic tank also.

In our opinion in respect of provision of STP there are no norms have been specified for treatment of sewage water by DTCP, HMDA or GHMC. There is no specified process to treat sewage water by way of any rule or GO issued by the government or DTCP/HMDA/GHMC. However, the pollution control board has specified certain guidelines for treatment of sewage water for discharge into irrigation nala (IS 3307:1974). The details are as under:

S. No	Characteristic	On land for Irrigation As per IS 3307:1974
1.	p ^H Value at 25°C	5.50 – 9.00
2.	Bio chemical Oxygen demand (BOD), 3days @ 27°C mg/l	100
3.	Chemical Oxygen Demand (COD), mg/l	--
4.	Total suspended Solids, mg/l	200
5.	Total Dissolved solids, mg/l	Max 2100
6.	Temperature, C°	--
7.	Oil & Grease. Mg/l	Max 10
8.	Phenolic compound as C6H5OH, mg/l	--
9.	Cyanide as CN, mg/l	Max 0.2
10.	Sulfide as H2S, mg/l	--
11.	Fluoride as F, mg/l	--
12.	Free Residual Chlorine, mg/l	--
13.	Total Arsenic as As, mg/l	Max 0.2
14.	Cadmium as Cd, mg/l	--
15.	Total Chromium as Cr, mg/l	--
16.	Copper as Cu, mg/l	--
17.	Lead as Pb, mg/l	--

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18.	Mercury as Hg, mg/l	--
19.	Nickel as Ni, mg/l	--
20.	Selenium as Se, mg/l	---
21.	Zinc as Zn,mg/l	---
22.	Chloride as Cl,mg/l	Max 600
23.	Boron as B, mg/l	Max 2.0
24.	Sulphate as SO ₄ , mg/l	Max 1000
25.	Sodium as Na,mg/l	Max 60
26.	Ammonia as Total ammonia -N. mg/l	---

As per our inspection that the septic tank with which is provided by M/s. Modi Realty Genome Valley LLP at their residential project Bloomdale Residency at Genome Valley has been designed to meet all the above norms which are specified by Pollution Control Board. It can be tested once building is occupied and it is in operation.

Hence in our opinion there is no need to provide another Sewerage Treatment Plant. The existing septic tank has been designed to meet the norms specified by Telangana State Pollution Control Board. The treated water can be used for gardening, toilet flushing and discharge into irrigation canal. They have also provided a separate underground sump for storage of treated water in their residential project.

This is our opinion.

FOR PREMIER ENGINEERING CONSULTANTS

