



## PROJECT AT A GLANCE

The Government of Uttar Pradesh through UP Jal Nigam, Kanpur has awarded the work Kanpur Sewerage System to serve the population of more than 3 million people. The project involves of design and construction for providing sewerage network and construction of a sewage treatment plant for Kanpur city on turnkey basis. This includes 130 km sewerage network including branch, main and trunk sewers using R.C.C. pipes ranging from 150 mm to 1800 mm dia. Three pumping stations of 14, 14 and 42 MLD and sewage treatment plant of 42 MLD based on activated sludge process including power generation from biogas. Biogas generated in 2 sludge digesters is stored in 2 gas holders and further utilized in 3 biogas engines of 380 KVA capacities for power generation which will fulfill the partial power requirement of the plant. The project is designed and constructed keeping in view the growing population and future demands for the next 30 years.

**Client: UP Jal Nigam, Kanpur**

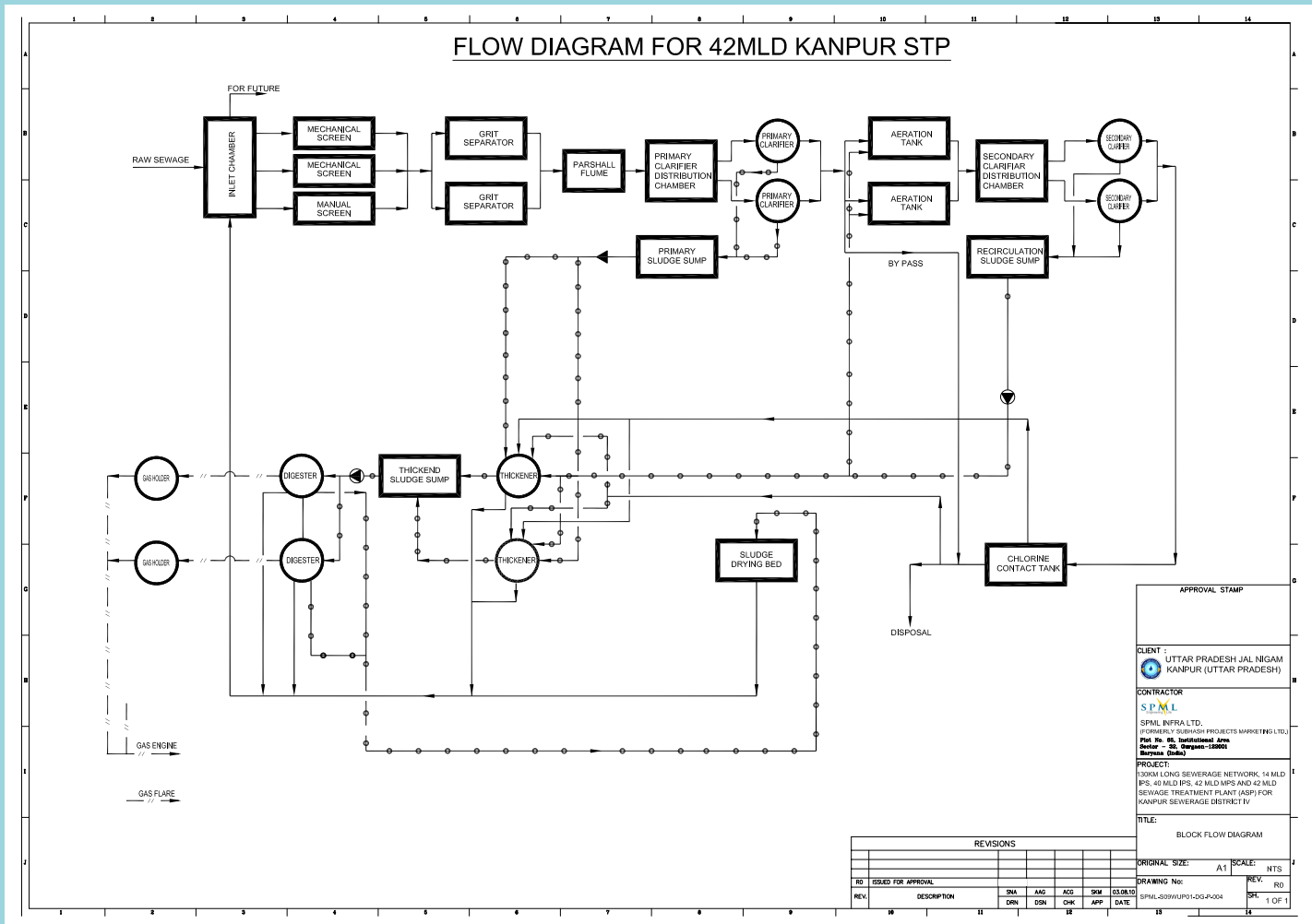
### Scope of Work:

- Laying of 130 km of Sewer lines from 150 mm dia to 1800 mm dia
- 1.4 km of DI Rising Main
- 3 Pumping Stations of 14, 14 and 42 MLD
- 3 Major Crossing (2 Road and 1 Railway) by trenchless method
- Const. of 2 nos. Intermediate SPS + 1 no. Main SPS
- 42 MLD STP based on ASP with Gas & Electricity Generation

The treatment plant is designed to treat the sewage to meet the following standards so as to make it suitable to discharge into existing drain/disposal point.

Parameter	Concentration
BOD	<20 mg/L
Suspended Solids	<30 mg/L
pH	7.0 – 8.0
Faecal Coliform	<500 MPN/100 ml

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SPML Infra is a leading infrastructure development company of India. With over three decades of experience, SPML has executed almost 600 turnkey projects and created significant value for our country that have touched the lives of millions of people; be it provision of drinking water, improved sewerage facilities, better municipal waste management, building roads and highways and lighting up homes. An ISO-9001:2008 certified company, SPML's project management systems include design engineering & implementation with SAP-Enterprise Resource Planning and Quality Management Systems to undertake projects of any magnitude.



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