

Minutes of the meeting on 01/08/2022 at 2.00 PM by the Managing Director, KWA to review the preparation of master plan for sewerage/septage for Thiruvananthapuram Corporation

List of participants

1. Sri.Venkatesapathy.S, IAS, Managing Director, KWA.
2. Sri.Jayaprakash.C, Chief Engineer (Sewerage, PPD & WASCON), Tvpm.
3. Smt.Bindu Suganan, Deputy Chief Engineer (Sewerage, PPD & WASCON), Tvpm.
4. Smt.Salim.P.K, Superintending Engineer, Sewerage Circle, Tvpm.
5. Smt.Seeja.J.Selin, Executive Engineer, Sewerage Circle, Tvpm
6. Smt. Bindu S L, Assistant Executive Engineer, Sewerage Circle , Tvpm
7. Sri. Sreekesh R, Assistant Executive Engineer (Sewerage, PPD & WASCON), Tvpm.
8. Smt.Thara Devi.K.V, Assistant Engineer, PPD Camp office Tvpm.

The Managing Director welcomed the participants and directed to present the progress of the proposal for sewerage/septage management for Thiruvananthapuram Corporation.

The Superintending Engineer, PPD & Sewerage Circle, Trivandrum presented the action plan for preparation of DPR for 6 priority wards, 13 second priority wards and 53 uncovered wards of the Corporation.

Out of the 100 wards of Thiruvananthapuram Municipal Corporation, 22 wards are fully covered with sewer network , 21 wards are partially covered and 57 wards are uncovered. In the existing 22 wards, no major rehabilitation is needed since these works are arranged by Sewerage Division, Pattoor. Further extension of network in partially covered 21 wards will be taken up by Project Division and Maintenance Division.

Managing Director directed to prepare the Master plan and the DPR for the entire Corporation area by the PPD & Sewerage Circle , Trivandrum, and the implementation has to be carried out by the Project Division, Trivandrum.

Superintending Engineer opined that in the present case, decision has to be made whether to use the existing plant at Muttathara to full capacity or to adopt decentralized system. In the first case, some area on the east side of railway track will need to be covered and treated in the existing plant at Muttathara. Managing Director recommended for maximum utilization of the installed capacity of the existing treatment plant, by optimising the design, so that the number of railway crossings can be minimized, while laying the sewer network. When the DPR is being prepared, land cost too has to be included in the estimate.

Decisions Taken

1. A comprehensive proposal has to be prepared by Sewerage Circle, Thiruvananthapuram covering all possible areas of Trivandrum Corporation and submit to the Managing Director for onward submission to RKI for obtaining ratification of AS on or before 12.08.22. Based on the same survey, design and preparation of DPR can be made.
2. Prepare DPR for 6 wards (Cluster 1) by conducting survey in anticipation of AS approval by RKI and submit DPR by 20.09.22. Managing Director directed to reduce the submission period, by doing survey and design works simultaneously. It was also directed to optimise the design by optimising the depth of excavation, and by choosing suitable diameter for the sewer lines, so as to ensure the flow velocity so that the proposal is economically viable and hydraulically feasible.
3. The proposal shall be prepared from whole to part and a master plan for the whole corporation area



has to be prepared.

4. The proposal shall contain provision for acquiring private land wherever needed, and land cost has to be included in the estimate.
5. Railway crossings can be proposed under unavoidable circumstances but such crossings should minimum.
6. In the plan, do not include areas where soil contains more clay content like Chackai area, which may lead to practical difficulties during implementation, but incorporate areas where lateritic soil will be available. Suitable decisions need be taken regarding the coastal areas and other low lying areas. Survey is to be limited to areas where scheme is suitable.
7. The plan shall contain phasing for survey with specific boundaries for each phases of survey.
8. In principle sanction for the proposal is to be obtained from RKI for DPR preparation.
9. The proposal shall contain a plan of action for preparation of DPR.
10. Survey of the relevant areas have to be done and the land for collection wells / pump houses etc. have to be identified at the earliest.

The meeting ended by 3 pm.

MANAGING DIRECTOR

