

Brief Scope of Work

Tender: T/2429450/2021

Design, Supply, Construction, Installation, Testing and Commissioning to Complete Mahout existing Sewage Treatment Plant by Reed bed Technology with capacity 600 m³/day

1. Overview:

The Works consist of Design, Supply, Construction, Installation, Testing and Commission (EPC) of Mahout existing sewage treatment plant which to be completed as comprehensive Reed bed Sewage treatment plant with max. design capacity 600m³/day and all required Materials and Works necessary for completion of scope to ensure class (A) treated effluent quality.

The Contractor shall assign adequate staff to perform design and construction work. All will be subject to the Engineer's approval.

2. DETAILED SCOPE OF WORK:

1. The Scope of Work consist of Design, Supply, Construction, Installation, Testing and Commissioning to complete Mahout existing Sewage Treatment Plant by Reed bed Technology with maximum capacity of 600m³/day. All shall be in accordance with Haya Water design manual, specification, standard details, procedure and requirements.
2. The Contractor shall obtain all necessary permits, permissions and approvals related to the final engineering design and construction of the Works. The Contractor shall also be responsible for the renewal of permits which are required to be renewed by the relevant authorities.
3. Bidder is responsible for data collection required for the completion of the project.
4. All site clearance.
5. All civil works.
6. Supply of all required materials.
7. Tanker of flooding 3 bay.
8. Screen chamber of capacity for max 600m³/day.
9. Oil removal separation system.
10. Complete Reed-bed system with all required pipe work.
11. Reed bed pond with appropriate dimension including the soil preparations, reeds nursery and planting.

12. Treated Effluent Pond for one day storage 600m³/day equipped with geotextile membrane and overflow to the nearest low-level area.
13. The Contractor shall provide detailed design, hydraulic calculations, materials, equipment, manpower, transport, any other material/scope to complete the work.
14. Minimum Technical Specifications and Design Guidelines: