

Scope of work

Re-habilitation and closure of Ras Ghareb Dumpsite

The site closure plan depends on the transfer of waste from both sides of the entry road and the proper covering and compaction of the waste; the closure scope of work could be summarized as follow:

- The site closure plan depends on the transfer of waste from both sides of the roads and their collection inside the dump.
- By means of heavy equipment (loaders and tippers, Bulldozer), the scattered waste is collected and transported from both sides of the leading road, and then it is disposed of inside the dump, the waste then is flattened and compacted taking in consideration proper levelling, while maintaining no height at the dump site.
- The surface layer is abrade to remove traces of ash and debris scattered around the main dumpsite to determine areas that will be finally covered and treated.
- The borders of the dumpsite are squared to reduce the size that will require to be covered.
- After the transfer, trimming and squaring operations, sand bars are created to act as borders for the landfills, further trimming and compaction take place to reduce the size and increase cohesion of the surface layer.
- The operation process will depend on the available sandy soil instead clay soil, where a sandy soil layer with a thickness of not less than 50 cm will be spread, leveled, then sprayed with water, and compacted to reach the lowest permeability factor.
- The gradation of the slopes within the range of 5% (20: 1) miles will be taken into consideration in order to reduce the pooling of surface water in case of raining and increase resistance to high wind speed in the area to prevent soil erosion.
- Finally, sand layer with a thickness of not less than 50 cm will be added and compacted to protect the site from the risk of erosion.