

## MUCK MANAGEMENT PLAN OF DUGAR HE PROJECT

The construction would involve about 3, 70,880 m<sup>3</sup> of soil excavation and 9, 23,970 m<sup>3</sup> of rock excavation. About 60% of rock excavation is expected to be used for producing coarse and fine aggregate for concrete production and in fillings for developing areas for construction facilities. Total quantity of excavation in common soil and balance quantity of rock excavation would have to be disposed in muck disposal areas. Thus considering swell factors 0.63 for rock and 0.80 for common soil as adopted from CWC Guidelines and redeposit compaction factor of 83%, total muck disposal area should have a capacity of about 8,71,706 m<sup>3</sup>. Keeping the above requirement, one muck disposal area (MDA-1) with total capacity more than 8.75 Lac m<sup>3</sup> has been identified taking into consideration availability of suitable area, minimum distance from generation sites, safe distance from highest flood level (HFL) etc.

Prior to start of dumping activity, muck disposal area (MDA) will be protected with retaining structure to avoid any spillage of muck. After the completion of dumping activity, proper restoration plan with biological and engineering measures is required for restoration of the dumping area. A suitable restoration plan will be proposed under the EMP for muck dumping site(s).



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