

Site inspection report of Dumping site of FCA proposal "Construction of four laning of proposed Shimla bypass from kaithlighat to Shakral section (package-1) of NH-22 (Chainage from Km 128.835 to Km. 146.300) in already approved FCA case of the entire section from Kaithlighat to Dhalli conducted on 07.12.2022

The site inspection of the said dumping site was carried out on dated 07.12.2022 alongwith DFO Shimla (Rural), RFO Mashobra and concerned field staff of the area. The dumping site is proposed in Mundlu beat (UPF-218 Gora) of Mashobra Range and is located at the foothill of the catchment area. As per discussion with the officials of the user agency, the said dumping site is strategic in location being the tunnel outlet nearby and no such area is available in and around for such purpose thus cannot change at this point of time. However the following observations/instructions are hereby proposed in this regard.

1. The dumping site is proposed at the foothill of the catchment area of 03 seasonal streams and the legal status of the land is undemarcated protected forest (UPF-218 Garo) under the administrative control of Mundlu beat of Mashobra Range .
2. The streams are seasonal and water discharge in the said catchment as conveyed by the field staff is only during the Monsoon/rainy season thus there is no such dependence of locals on the said catchment for any domestic or agricultural purpose.
3. The User Agency was directed to undertake the hydrological evaluation and as per the report submitted, the discharge stands calculated in all the 03 Streams as under .

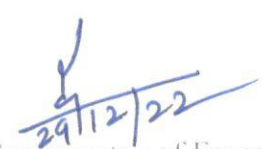

Stream	Catchment area (Km2)	Dickens's constant	Discharge (m3/s)
S1	0.133	19	3.703074365
S2	0.123	19	3.94623037
S3	0.192	19	5.510988725
Total	0.428		13.16029346

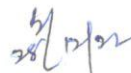
4. Kindly refer to Sr. No. 3 where it is very much clear that the discharge of Stream No. 3 is highest among all, thus it has been directed to the user agency to avoid any such intervention in the said stream and accordingly it has been acknowledged by the user agency that said stream will not be treated and one gabion wall is proposed along the said stream to ensure free flow of water.
5. The user agency has proposed stone masonry catchpit for collection of water from Stream No. 2 and the same will be pumped to the nearby catchpit through RCC

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6. house pipe culverts and the water will be discharged on to the main stream i.e. Stream No. 3.
7. With regard to Stream No.1 provision of 03 culverts has already been made in the original alignment plan to discharge the water into main stream (Stream No.3).

It is therefore concluded that satisfactory provisions stand in place as of now and the same has been verified by the User Agency. However the copy of drawings and other details as submitted by the user agency in this regard is enclosed for your kind consideration and necessary action please .


29/12/22
Chief Conservator of Forests,
Shimla Forest Circle, Shimla. 


28/12/22