Proposal Title : C/o Hydro Power Project Baggi (2 x 21 MW)

Muck Management Plan :

Baggi HEP will be an extension of already constructed BSL project constructed during 1970s. It has been proposed to utilise the head available at tail of Pandoh Baggi Tunnel to generate 42 MW hydroelectricity. Some components of Baggi HEP had already been constructed such as by pass tunnel and part of surge shaft up to EL 859.0 m. Most of the excavation work i.e of Surge shaft upto EL 859.0 m, Penstocks tunnel, tailrace channel and Power house area up to EL 836.0 m was already done during the construction phase of BSL project.

Total quantity for excavation work (to be executed during construction of Baggi Power project) including soil and rock will be approx. **1,00,500 cubic meters** as detailed below in the Table and quantity of muck with swell factor will be approx. **1,57,375 cubic meters**

BBMB has its own existing muck disposal site in Khasra No. 240/Khuiri Daum Mohal having total area 21500 Sqm and capacity **2.0 Lakh Cum** (layout plan and KML file uploaded on PARIVESH portal)) and the same will be used for muck disposal of Baggi HEP. This muck disposal site was also used during construction of BSL project in 1970s. Existing muck disposal site have an average depression of 4.0 m below surrounding area. Excavated muck from construction of Baggi HEP will be deposited in this disposal site and the same will be levelled properly.

Sr. No.	Location	Quantity of Soil Muck		Quantity of Rock Muck		Remarks
		Excavation (m^3)	With 1.25 swell factor (m^3)	Excavation (m^3)	With 1.75 Swell factor (m^3)	
1.	Surge Shaft Area	11000	13750	25000	43750	Surge Shaft up to 859m already constructed
2.	Penstocks Area	1000	1250	2500	4375	Penstocks tunnel already excavated during construction of BSL project 1970s
3.	Power House Area	15000	18750	30000	52500	Most of the Power house area already excavated up to level 836m
4.	Tail race Area	10000	12500	6000	10500	Tail race area already excavated during construction of BSL Project only final excavation line required to maintained
	Sub Total	37000	46250	63500	111125	

Total Quantity of Muck Excavated = 100500 m^3

Total approx. quantity of Muck with Swell Factor = 1,60,000 m^3

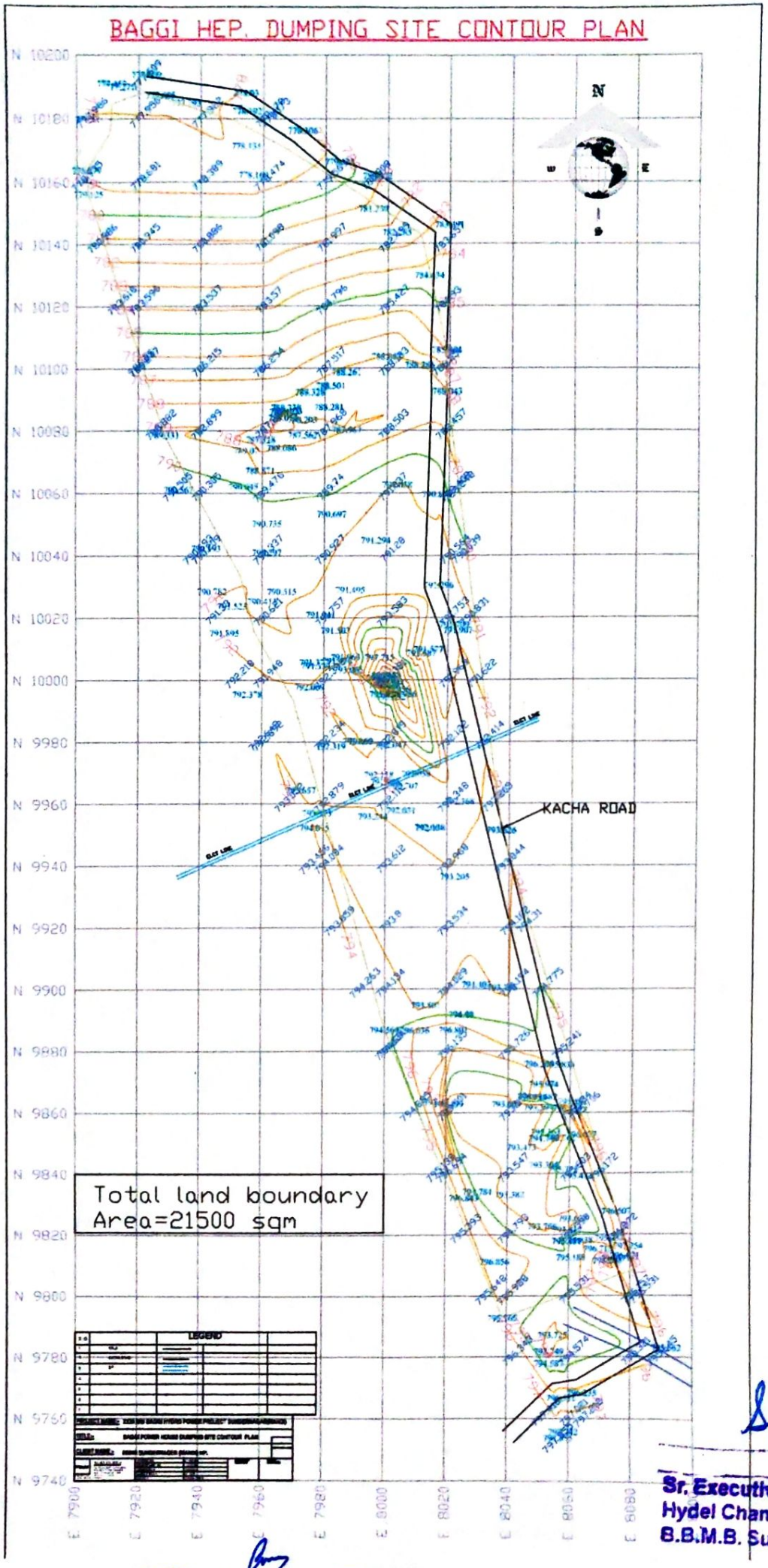
Area of already identified muck disposal site = 21500 m^2

15/11/2022

Sr. Executive Engineer,
Hydel Channel & Baggi Gate Divn.,
B.B.M.B. Sundernagar.

Divisional Forest Officer
Suket Forest Division,
Sunder Nagar (HP)

BAGGI HEP. DUMPING SITE CONTOUR PLAN



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