

SHANAG MIDDLE MICRO HYDEL ELECTRIC PROJECT
Proprietor- Mr Prakash Chand, VPO- Shanag,
Thesil- Manali, Distt-Kullu, H.P.

Ref No: SM/DFO-Kullu/2811202401

Date: 08-11-2024

To,

The Divisional Forest Officer, Kullu,
Distt- Kullu, H.P.

Subject:- Diversion of 0.1669 ha of forest land in favor Sh. Prakash Chand, VPO-Shanag, Tehsil-Manali, District Kullu, for the construction of Shanag Middle HEP(100 KW), within the jurisdiction of Kullu Forest Division, Distt. Kullu Himachal Pradesh. (Online Proposal No. FP/HP/HYD/123608/2020)-reg.

Sir,

This is in reference to your online query dated 25-09-2024, it is submitted that that as per the hydrology of the stream, minimum average flow during lean season is 0.06 cumecs.

The 15% e- flow is considered to be .06 cumecs and this e-flow shall be ensured in the stream at all times of the year through a calibrated pipe of 100mm diameter from the diversion weir into the stream.

The calculations for the 15% E-Flow is as below.

15% E-Flow Calculations for Shanag Middle HEP-100KW				
Month		Discharge as per DPR in 75% dependable year in Halindi Nallah in Cumecs	Calculation of 15% Discharge considering 3 months of lean Season in Cumecs	REMARKS
JAN	I	0.30	0.05	Lean Season
	II	0.29	0.05	Lean Season
	III	0.34	0.06	Lean Season
FEB	I	0.33	0.05	Lean Season
	II	0.36	0.06	Lean Season
	III	0.53	0.08	Lean Season
MAR	I	0.71		
	II	0.80		
	III	0.76		
APR	I	0.79		
	II	0.98		
	III	1.01		
MAY	I	0.81		
	II	0.89		
	III	0.85		
JUN	I	0.69		

	II	0.60		
	III	0.56		
JULY	I	0.51		
	II	0.53		
	III	0.64		
AUG	I	0.81		
	II	0.92		
	III	0.94		
SEP	I	0.93		
	II	0.90		
	III	0.86		
OCT	I	0.50		
	II	0.54		
	III	0.43		
NOV	I	0.42		
	II	0.37		
	III	0.32		
DEC	I	0.30	0.05	Lean Season
	II	0.28	0.05	Lean Season
	III	0.28	0.05	Lean Season
Average 15% Discharge = 0.06 Cumecs				

Yours Sincerely,



Authorized Signatory

For Shanag Middle SHEP