

No. / 3253.
H.P. Forest Department.

Dated Bharmour, the/ 26/11/2024

From: - D.C.F. Bharmour.

To: - C.F. Chamba.

Subject: Diversion of 13.3082 hectares of forestland in favour of Sai Eternal Foundation (formerly known as Sai Engineering Foundation), Sai Bhawan, Sector-4, New Shimla-171009 (H.P.) for the construction of Tundah-II Hydro Electric Project (24 MW) within the jurisdiction of Forest Division Bharmour, District Chamba, Himachal Pradesh. Proposal No: FP/HP/HYD/49283/2020

Sir,

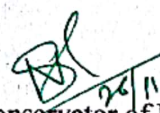
Kindly your office letter No. FC-CHM-H02/133/2024-FCA-GENERAL-FOREST CIRCLE CHAMBA I/436873/2024 dated 06.07.2024 on the subject cited above .

In this connection, we have attended all the shortcomings as raised in the above referred letter and point wise reply as detailed below is being submitted for your kind consideration and further necessary action:-

Sr. No.	Observation/Shortcomings as raised by the CF. Chamba	Comments
1	"Out of 15 muck dumping sites, no tree is there on 11 Dumping Sites and two are inaccessible. The list of trees standing on muck dumping site No. 2 & 3 is uploaded against additional information in online Part- II on PARIVESH Portal". The meaning dumping two sites inaccessible is not clear, which required to be clarified, stating that, if Dumping the Sites are inaccessible then how have to approach there for muck dumping and what is reclamation plan for that dumping site.	<p>As far as Muck Dumping Sites (MDS) No-1 and No-4 is concerned, it is clarified that at this stage there is no approach to reach in a vertical cliffs, hence these sites are inaccessible to visit physically. But both the sites are clearly seen in the opposite direction. In our opinion, there is no involvement of any tree(s) in the both sites. During construction, keeping in view the safety measures we will not get any damage/harm to tree(s). During construction, if any, tree(s) shall be got damaged, we are ready to deposit the cost of damaged tree(s) as per the direction of Forest Department. In this regard, an undertaking is attached for your ready reference please.</p> <p>As far as Muck Management Plan is concerned, MDS No-1 has been proposed on the approached road to Barrage Site. Maximum muck/boulder shall be recycled/crushed and utilized for the protection of different components and remaining muck shall be dumped in the proposed dumping sites nearby Barrage Sites and Desilting Tank area. Only muck shall be dumped in the Muck Dumping Site No-1, if required.</p>

		As far as Muck Management Plan of Dumping Site No-4 is concerned, it has been proposed in the outlet point of Head Race Tunnel (HRT) No-1. We will start the excavation of HRT only one face from Inlet point. Maximum excavated muck of HRT shall be recycled and utilized and remaining muck shall be dumped in the proposed Dumping Sites nearby Desilting Tank/Barrage Site area. Only rolled muck shall be dumped in the Muck Dumping Site No-4 during opening of outlet point of Head Race Tunnel. (Annexure-I).
2	In reply to Point No.10, however a copy of letter of Directorate of Energy (GoHP) No. 6834-35 dated 27.11.2021 submitted to the Nodal Officer-cum-APCCF (FCA) Shimla, all the annexures of the letter are also required to be uploaded on the portal.	Needful has been done. However, a copy of DOE letter No. 6834-35 dated 27.11.2021 alongwith all the annexures has also been uploaded in the additional documents of online portal of Part-1.
3	NPV Bill as per the latest guidelines issued by the Gol, MoEF is required to be revised.	Needful has been done. revised NPV Bill Uploaded in the additional documents MoEF Parivesh Portal of online Part-II. (Annexure-II).
4	CA land details is also required to be revised in Part-II uploaded on the portal.	Needful has been done. revised CA Bill Uploaded in the appropriate column MoEF Parivesh Portal of online Part-II. (Annexure-III).

Encls:- As Above.


 Deputy Conservator of Forests,
 Bharmour Forest Division,
 Bharmour-176315.

Full Title of the Project :- Tundah-II Hydro Electric Project.
File No. :- FP/HP/HYD/49283/2020.
Date of Proposal :- 31/08/2020.

UNDERTAKING REGARDING NOT TO DAMAGE/CAUSE ANY HARM
TO TREE(S) NEARBY MUCK DUMPING SITES NO-1 AND NO-4

I, **Vinay Barwal** (Authorised Signatory) hereby undertake for and on behalf of M/s. **Sai Eternal Foundation (formerly known as Sai Engineering Foundation)**, Sai Bhawan, Sector-4, New Shimla-171009, HP that we will not damage/cause any harm to tree(s) nearby Muck Dumping Site No-1 and No-4 during starting the construction activities of Tundah-II Hydro Electric Project (24MW). During construction activities, if any, tree(s) shall be got damaged, we are ready to deposit the cost of damaged tree(s) as per the direction of Forest Department.



(Vinay Barwal)
Authorised Signatory,
Sai Eternal Foundation.

REVISED COST OF NET PRESENT VALUE (NPV)

CALCULATION OF NET PRESENT VALUE OF FOREST LAND TO BE DIVERTED UNDER FCA FOR THE DIVERSION OF 13.3082 HECT. FOREST LAND FOR CONSTRUCTION OF 24 MW TUNDAH-II HEP IN TEHSIL BHARMOUR DISTRICT CHAMBAIN BHARMOUR FOREST DIVISION


Classification of land being diverted into various ECO classes as per Hon'ble Supreme Court directions.
Rate revised vide GOI, MOEF Letter No.5-3/2011-FC(Vol-I) dated 06.01.2022

Nature of forests	Area being diverted	Classification as per Champion and Seth	Eco value class
DPF	13.3082	Himalayan Moist Temperate Forests	VI

Area of diverted land falling in Eco Zone VI	V	IV	III	IIA	IIB	IA	IB	IC	ID	IE	Total	Area being diverted
Trees coming in the area	18	22	9	8	2	2	0	2	1	0	64	13.3082
Total trees upto III												40
Total trees of III and above class												24
Total mature trees (nationally) after conversion of 2 trees of below IIIrd class into one mature class												44
Density of trees in the land to be diverted (PERCENTAGE) $(44/13.3082)=3.3062$												15.41
Density class: $3.3062/400$												0.008

Calculation of NPV :

Name of Forest	Area to be diverted	ECO Value	Density class	NPV rate applicable	Amount
DPF	13.3082	VI	Open Forest	1069470	14232721
				Or say Total NPV	14,232,721


 Deputy Conservator of Forest
 Bharmour Forest Division
 Bharmour

Proposal: Diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

CHECKLIST NO.17

LOCATION MAP

Location Map of Forest/ non-forest area identified for Compensatory Afforestation in lieu of proposal for diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

Area: **Mangarh-III**

District: **Kullu**

Tehsil: **Kullu**

Division: **Kullu**

Range: **Bhutti**

Block/Beat: **Rujag/Tiun**

Compartment/Survey No. Nil/ **52 D/16**

Area to be afforested: **10.0 ha.**

Map of area to be taken for Compensatory Afforestation are attached



**Divisional Forest Officer
Kullu Forest Division, Kullu.**

“SCHEME FOR COMPENSATORY AFFORESTATION”
(Norms-2024-25)

In lieu of diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

1. Details of degraded forest land/ non forest land:-

Area: Dugilag-III District:- Kullu Tehsil:- Kullu
Division: Kullu Range:- Bhutti Block/Beat: Rujag/Shalang
Compartment/Survey No: 52 H/4 Area to be afforested:- 13.0 hectare

2. Description of area:-

- i. Whether the site selected for compensatory afforestation is a land bank or not:- Yes
- ii. If the CA site is other than the land bank, reasons be given:- No
- iii. In case of non forest area identified in from-A, then what is the distance of CA site from the adjoining forest boundary :- forest area
- iv. Soil type:- Sandy-loamy/apparently deep
- v. Topography :- a) Hilly
 b) Medium
- vi. Whether the area is bearing any root stock of vegetation:- Yes
Plantation Model:- Departmental
Copy of the approved compensatory afforestation scheme/ model showing component wise physical and financial break up is enclosed.

Schedule of Plantation programme:-

3. Detail of year wise break up of requirement of funds is as under :-

Compensatory Afforestation Bill							
S. N.	Particulars	Area in ha.	Year	Rate per Hectare	Cost Escalation	Rate After applying cost escalation	Total Amount (Rs)
1.	New Plantation	13.0	2024-25	130300	10%	143330	1863290
2.	1 st Year Maintenance	13.0	2025-26	20100	20%	24120	313560
3.	2 nd Year Maintenance	13.0	2026-27	13500	30%	17550	228150
4.	3 rd Year Maintenance	13.0	2027-28	6900	40%	9660	125580
5.	4 th Year Maintenance	13.0	2028-29	6900	50%	10350	134550
6.	5 th Year Maintenance	13.0	2029-30	6900	60%	11040	143520

7.	6 th Year Maintenance	10.0	2030-31	6900	70%	11730	117300
8.	7 th Year Maintenance	10.0	2031-32	6900	80%	12420	124200
9.	8 th Year Maintenance	10.0	2032-33	6900	90%	13110	131100
10.	9 th Year Maintenance	10.0	2033-34	6900	100%	13800	138000
11.	10 th Year Maintenance	10.0	2034-35	6900	110%	14490	144900
Total Plantation for 1100 plants/hectare with 10 Year Maintenance							2816000
Departmental charges @ 17.5%							492800
Contingency Charges @ 5%							140800
							3449600
Rupees Thirty Four Lakh Forty Nine Thousand and Six Hundred only							

4. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

- a) **General Details :-** Conifer/ B/L species will be planted.
- b) **Spacing:** 3 mtr x 3 mtr.
- c) **Species:** Cedrus Deodara, pinus wallichiana, salix Spp. etc.
- d) **Plantation Method:** Artificial plantation with RCC Fencing.
- e) **Soil Moisture Conservation Works:-** Check walls are required to be constructed in gullies as per site requirement.
- f) **Protection (Fencing , Watchman, People's Participation etc.)**
- g) **Proposed Monitoring Mechanism :-** Department .
- h) **Any other information :-** Nil

[Signature]
Divisional Forest Officer,
Kullu Forest Division, Kullu.
Kullu Forest Division Kullu

[Signature]
Conservator of Forests
Kullu Forest Circle, Kullu