

PART-II

(To be filled by the concerned Deputy Conservator of Forest)

State Serial No. of proposal : HP-092/2021

1. Location of the project/Scheme : Himachal Pradesh

- (i) State / Union Territory : Himachal Pradesh
(ii) District : Chamba
(iii) Forest Division : Pangi
(iv) Area of forest land proposed for diversion (in ha.) : 211.8427
(v) Category of the Proposal: Hydel

2. Legal status of forest land proposed for diversion :

S. No.	Division	Forest Land(ha.)	Legal Status
1	Pangi	2.4	River
2	Pangi	127.75	Reserved Forest
3	Pangi	81.69	Protected Forest
Total		211.84	

Division 1. : Pangi

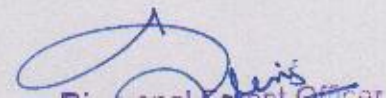
3. District wise area to be diverted in the division :

S. No.	District	Area(ha.)
1	Chamba	211.8427
Total		211.8427

4. Details of Vegetation available in the forest land proposed for diversion :

(i) Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	2.4	0.3	Eco 6
2	15.95	0.04	Eco 6
3	6.9	0.09	Eco 6
4	5.5	0.22	Eco 6
5	25.8	0.22	Eco 6
6	35.59	0.3	Eco 6
7	13.09	0.04	Eco 6
8	12.02	0.02	Eco 6
9	0.31	0.3	Eco 6
10	18.3	0.06	Eco 6
11	3.42	0.3	Eco 6
12	22.32	0.3	Eco 6
13	14.52	0.3	Eco 6
14	15.72	0.3	Eco 6
15	8.7	0.04	Eco 6
16	11.3	0.7	Eco 6



Total.

211.84

(ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Others	Ash/Shanu/fraxinus floribunda	98	55	3	0	0	0
2	Others	Badah /Willow / Salix spp	956	40	0	0	0	0
3	Others	Bakharu / Lonicera	105	6	0	0	0	0
4	Others	Bhojpatra / Betula utula D. don	1	3	0	0	0	0
5	Others	Chilgoza / Pinus giardina	626	272	27	13	0	0
6	Others	Devdara / Cedurus devdara	652	596	300	82	0	0
7	Others	Fir / spruce / Picea samithiana morinda	8	5	3	1	0	0
8	Others	Goon / HC Nut	469	423	107	41	0	0
9	Others	Jammu / Prunus padus	3	1	0	0	0	0
10	Others	Kail / Pinus wallichiana	182	64	33	15	0	0
11	Others	Kainth / Pyrus pisia	19	21	4	0	0	0
12	Others	Khadak / Cetrus australis	1038	525	55	6	0	0
13	Others	Killar / Parrotis jacquemontiana	9724	36	1	0	0	0
14	Others	Mandar / Mapple / acer caesium	626	95	1	0	0	0
15	Others	Almus / Maral	125	89	28	4	0	0
16	Populus spp	Safeda / Popular	38	21	1	0	0	0
17	Others	Payakh / Alnus nitida / alder	951	568	89	21	0	0
18	Others	Pingyath / Crataegus	47	2	0	0	0	0
19	Others	Robinia spedeuocacia	3	3	0	0	0	0
20	Others	Sanjal / Fraxinus xynthozeloides	945	87	1	0	0	0
21	Others	Thangi / Corylus columa	185	87	9	5	0	0
22	Juglans regia	Akhrot	47	50	28	2	0	0
Total			16848	3049	690	190	0	0
Sub Total (No of Trees.)			20777					

(iii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL-2 meter :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
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1	Juglans regia	Akhrot	47	49	27	2	0	0
2	Others	Ash/Shunu / Fraxinus floribunda	98	55	3	0	0	0
3	Others	Badah/Willow / Willow/Salix	946	38	0	0	0	0
4	Others	Bakharu / Loniceria	105	6	0	0	0	0
5	Others	Bhojpatra / Betula utelis	1	3	0	0	0	0
6	Others	Chilgoza / Pinus gerardiana	618	268	26	13	0	0
7	Others	Deodar / Cedrus deodara	631	585	298	81	0	0
8	Others	Fir / Spruce / Picia simithiana morinda	8	5	3	1	0	0
9	Others	Goon / H c natt	468	422	107	41	0	0
10	Others	Jammu / Prunus padus	3	1	0	0	0	0
11	Others	Kail / Pinus wallichiana	173	63	32	15	0	0
12	Others	Kainth / Pires pisia	19	21	4	0	0	0
13	Others	Khadak / Citrus australis	1024	517	54	6	0	0
14	Others	Killar / Parrotis Jacquemontiana	9704	35	1	0	0	0
15	Others	Mandar / Mapple acer caesium	621	92	1	0	0	0
16	Others	Maral / Almus	122	87	28	4	0	0
17	Populus spp	Polular / safeda	37	20	1	0	0	0
18	Others	Payakh / alnus nitida / alder	932	557	87	21	0	0
19	Others	Pingyath/ Crataegus	47	2	0	0	0	0
20	Others	Robinia / Robinia spedeuocacia	3	3	0	0	0	0
21	Others	Sanjal / Fraxinus xynthozeloides	932	86	1	0	0	0
22	Others	Thangi / Corylus Columa	180	87	9	5	0	0
Total			16719	3002	682	189	0	0
Sub Total (No of Trees.)			20592					

(iv) Species-wise local/scientific names and girth-wise enumeration of trees at FRL-4 meter :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Juglans regia	Akhrot	47	49	26	2	0	0
2	Others	Ash/Shunu Fraxinus floribunda	96	55	2	0	0	0
3	Others	Badah/Willow	933	36	0	0	0	0

		Willow/Salix						
4	Others	Bakharu Lonicera	105	6	0	0	0	0
5	Others	Bhujpatra Betula utilis	1	3	0	0	0	0
6	Others	Chilgoza Pinus gerardiana	608	263	26	13	0	0
7	Others	Deodar Cedrus deodara	608	572	290	80	0	0
8	Others	Fir / Spruce Picea smithiana morinda	8	5	3	1	0	0
9	Others	Goon H c natt	469	422	107	41	0	0
10	Others	Kail Pinus wallichiana	164	60	32	14	0	0
11	Others	Kainth Picea picea	19	21	4	0	0	0
12	Others	Khadak Cedrus australis	1020	513	54	6	0	0
13	Others	Killar Parrotis Jacquemontiana	9671	34	1	0	0	0
14	Others	Mandar / Maple Acer Caesium	618	92	1	0	0	0
15	Others	Maral Alnus	122	87	28	4	0	0
16	Populus spp	Poplar/Safeda populus alba	37	19	1	0	0	0
17	Others	Payakh alnus nitida / alder	920	549	86	20	0	0
18	Others	Pingyath Crataegus	47	2	0	0	0	0
19	Others	Robinia Robinia speciosa	3	3	0	0	0	0
20	Others	Sanjal Fraxinus xanthoxeloides	910	82	1	0	0	0
21	Others	Thangi Corylus Colurna	174	84	9	5	0	0
22	Others	Jammu Prunus padus	3	1	0	0	0	0
Total			16583	2958	671	186	0	0
Sub Total (No of Trees.)			20398					

5. Working plan prescription for the forest land proposed for diversion :

The 500 MW Dugar Hydro Electric Project encompasses 211.842 ha of forest land to be diverted for construction of Hydro Power Project. The working plan prescription of the Forest Land proposed for diversion has been covered under Plantation Working Circle of Pangi Forest Division.

6. Brief note on vulnerability of the forest area to erosion :

The project is required to spend 1.5% of the project cost towards Catchment Area Treatment Plan. The project is also required to perform the Reservoir Rim Treatment Plan as per EIA

7. Approximate distance of the proposed site for diversion from boundary of forest (in km.) : 0.35

8. Significance of the forest land proposed for diversion from wildlife point of view :

(i). Details of wildlife present in and around the forest land proposed for diversion :
Fox, Bear

(ii).

Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : No

- (iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No

- (iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : No

- (v). Whether any rare/endangered/unique species of flora and fauna found in the area : No

9.

Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any :

- (i). Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No

10. Comment as to the reasonability of the extent of the forest land proposed for diversion :

- (i). Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes

11. Details of violation(s), if any, committed :

- (i). Whether any work in violation of the Act or guidelines issued under the Act has been carried out : No

12. Whether work in violation is still in progress(Yes/No) : No Data

13. Details of compensatory afforestation scheme :

- (i). Patch wise details for Degraded Area (To be earmarked by DFO)
(ii). Total Financial Outlay for C.A.(lacs): 1234.00

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	2	11.06	Killar Dhar	Killar	4	 View file
2	6	22.35	Shinkal Dhar 1&2	Killar	7, 2	 View file
3	7	52.59	Rogy Chatwani	Killar	4	 View file
4	1	38.98	Sidh ka dera	Killar	5	 View file
5	3	43.265	Chilkot	Killar	7	 View file
6	4	12.11	Sheli	Killar	5	 View file
7	12	20.10	Kanun	Killar	2	 View file
8	13	21.28	Sural	Killar	3	 View file
9	5	99.13	Sansari Bishtow Mehrote	Killar	1	 View file
10	8	27.16	Urnu Pincho	Killar	3 7 1	 View file
11	9	22.842	Sach Chauri 1& 2	Saach	3	 View file
12	10	15.377	Chanchalperi	Killar	20	 View file

13	11	37.44	Bindrabani	Killar	18		View file
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- (ii). Copy of CA scheme details: 
- (iii). Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using DGPS or Total Station: 
- (iv). Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.: 

(V). Copy of NOC from Competent Authority : 

Additional information Details :

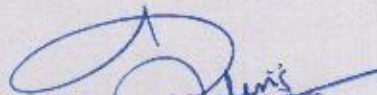
S. No.	Documents	Remarks
1		Compensatory Afforestation Scheme
2		Land Suitability Certificate for CA
3		Site Inspection Report
4		Certificate no alternative Non Forest land available for implementation of the project
5		NPV of forest land
6		Brief Note on Vulnerability of Forest area to erosion
7		No alternative Non Forest land available for the Compensatory Afforestation
8		Recommendation of DFO
9		tree enumeration list
10		Working Plan Prescription
11		Revenue records of forest land
12		Check List of Proposal
13		Joint Inspection Report
14		Endorsement of reply letter submitted by User agency to the observations of CCF, Chamba.
15		Part-II
16		Endorsement of reply letter submitted by user agency to the observations of CCF, Chamba

14. District Profile :

S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on (date)	A) Forest land (in ha.)	B) Non-forest land (in ha.)
1	Chamba	652200	243700	99.5423	18	251.738	31/03/2021	251.738	0

15. Site inspection report of the DFO/CCF/Nodal Officer highlighting important facts pertaining to the forest land :

Division Name	Circle	Site inspected By	Whether site inspected	No. of times site visited	Site inspection report	Date of visit
Pangi	Chamba	DFO	Yes	One		18/08/2021


Divisional Forest Officer

Chamba	CF	Yes	One
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22/03/2022

(Specific recommendation of the DFO/CCF/Nodal Officer with (Part II, III & Part IV))

16. Specific recommendation of the DFO/CCF/Nodal Officer for acceptance or otherwise of the proposal with reason :

Division	Circle	Recommendation By	Recommendation	Reason	Letter	Whether CF agreed
Pangi	Chamba	DFO	Recommended	Recommended in the interest of local inhabitants of Pangi Valley, State and Nation. However 3929 Nos of trees above 30 cm at FRL of different species and class are involved. But the Compensatory Afforestation 211.842 x 2 423.68 ha is proposed amounting to Rs. 6,20,58,797/ Rupees Six crore Twenty lac fifty Eight thousand Seven hundred Ninety Seven only as well as the Net Present Value amounting to Rs. 20,66,35,822/ Rupees Twenty Crore Sixty Six lac Thirty Five thousand and Eight hundred Twenty Two only is calculated.		
	Chamba	CF	Recommended	Recommended for approval please.		Yes

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