

CHECK-LIST

OF

DOCUMENTS/INFORMATION REQUIRED FOR PROPOSAL FOR DIVERSION OF FOREST LAND FOR NON FORESTRY USE UNDER FOREST (CONSERVATION) ACT, 1980

FOR STAGE-I APPROVALS

I Documents/Information Required for All Proposals

S.No.	Name of the Document (s)	Provided or Not	If not Provided Why?	Page Number
1	Check-list of the project proposal	Yes		1-7
2	Demand letter of the project authority/ applicant, if submitted.			
3	Main application form from Part-I to V as prescribed in the Rules under the FCA with all its columns duly filled up and signed by the competent authority with date, place and official seal. All the information in Part-I of Form-A including item-wise breakup of the forest area required, must be given in the form itself by expanding the columns	Yes		8-16
4	Detailed note on the project. It must include the information regarding the number of villages and number of persons to be benefited from the project including employment generation.	Yes		17-21
5	Map of the project site/forest area required clearly showing forest boundaries and adjoining areas with their land use in distinct colours in 1:50000 or any suitable scale on original Survey of India topo sheet. If the area is very small, in addition to above, an index map may be submitted showing forest boundaries and a location map on a larger scale with land use of the area required duly signed by DFO/CF concerned.	Yes		22-30
6	Layout plan of project site approved by competent authority. In case of linear diversion of forest land, linear map or a diagrammatic map of the project site should be enclosed.	Yes		31

7	Statement showing the details of forest area involved i.e. Survey No. /Coupe No. /Compartment No., etc., and item-wise breakup of the forest area proposed for diversion duly signed by DFO (in the prescribed format).	yes		32-33
8	Statement showing the details of non-forest area involved in the proposal (in the prescribed format).	yes		34
9	Certificate from the Collector/Deputy Commissioner that no alternative suitable non-forest land is available for the project in question.	yes		35
10	Justification for locating the project in forest area to be submitted by User Agency and countersigned by DFO.	yes		36-39
11	Certificate for minimum use of forest land to be submitted by the User Agency, giving details of area and trees involved in the alternatives examined and reasons for their rejection duly countersigned by DFO (in the prescribed format).	yes		40
12	Undertaking by the User Agency to bear the cost of compensatory afforestation duly counter signed by the DFO (in the prescribed format).	yes		41
13	Undertaking by the User Agency to pay the Net Present Value (NPV) of the forest land involved duly countersigned by DFO (in the prescribed format).	yes		42
	Undertaking by the User Agency to pay the Additional Net Present Value (NPV), if any, of the forest land involved duly countersigned by DFO (in the prescribed format) as decided at a later date as per the decision of the Supreme Court.	yes		43
14	A certificate from the competent authority in the State in the prescribed (vide MoEF letter No. 11-9/98-FC (pt.) dated 5 th July 2013) format that all forest rights under the Forest Rights Act, 2006 have been settled in respect of the forest area proposed for diversion, wherever applicable. In case, the process for settlement of rights under FRA has not been initiated, grant of stage-I approval under the FCA to the proposal will be considered only if a certificate from the competent authority concerned, clearly stating that the process for settlement of rights under the FRA has not been initiated along with evidences	yes	Undertaking	44

	supporting that settlement of rights under the FRA will be initiated and completed before the final approval, is enclosed with the proposal (vide F. No. 11-179/2012-FC Dated: December 20, 2013).			44-45
15	Species-wise and girth class-wise enumeration list and abstract of trees (abstract to be given at the end of the list) standing on the forest area in question neatly typed or computerized and duly signed by DFO.	yes yes		45-49
16	Site inspection report of the forest area involved in the project proposal by the DFO concerned or higher level forest officer in prescribed format (in the prescribed format).	yes		50-52
17	Details of non-forest land/degraded forest area identified for compensatory afforestation viz. Survey No./ Compartment No./Khasra No./Khatoni No., Village, Tehsil, District, etc., along with map in appropriate scale showing the boundaries of adjoining forest areas with their use in distinct colours (in the prescribed format).	yes yes - CA Digital map		53-59
18	Detailed scheme for compensatory afforestation on identified non-forest area/degraded forest area, as the case may be, at prevalent wage rates duly signed by DFO and countersigned by the CF concerned. The CA scheme must include all the technical details, details of work schedule, total financial outlay and proposed monitoring mechanism (in the prescribed format).	yes CA		60-63
19	Certificate from the DFO, that non-forest land selected for compensatory afforestation is in a compact block and contiguous to forest area or in close proximity of forest area and suitable from the management and protection point of view.	yes		64-65
20	Suitability certificate from the Divisional Forest Officer that the land identified for compensatory afforestation is suitable for raising plantation (in the prescribed format).	yes		66-67
21	Certificate from the Chief Secretary regarding non-availability of non-forest land in the state for raising compensatory afforestation, wherever applicable. This certificate will be based on the certificate signed by the DFO and Deputy Commissioner/Collector of the district concerned about non-availability of such non-forest land.	NO		
22	In case of proposal which requires entry/exit through Protected Forest strips along	NO		

	roads/railway lines/canals, the following information/documents must be given :- a) No Objection Certificate (NOC) of the land owning agency i.e. NHAI/PWD, Railways or Canal/ Irrigation Department b) Change of Land Use certificate from Town and Country Planning/ any other competent authority.			
23	For the projects involving forest land for construction of buildings/right of way for buildings, the built-up area, details of DG sets to be installed, and raw materials to be used (<i>in case of industries</i>) should be clearly mentioned.	NO		
24	Status of clearance under Environment (Protection) Act, 1986, wherever required.	YES		70-72
25	NOC of the State Pollution Control Board for establishment of the project, wherever required.	YES		73-75
26	Detailed scheme for rehabilitation of project affected persons, wherever required.			
27	Detailed Catchment Area Treatment Plan, wherever required. The CAT Plan should be prepared on the basis of actual survey of area and its classification in various categories requiring different engineering/ afforestation and other treatments in phased manner.	YES		76-81
28	Detailed Reclamation Plan, wherever required. It should be realistic exhaustive and complete in all respects along with relevant maps in distinct colours. It should also include the details of back fillings, afforestation and execution of such works, wherever required.			
29	Cost benefit analysis as per the guidelines issued under forest (Conservation) Act, 1980 in prescribed format, wherever required.	YES		125-128
30	Any other information/documents necessary for giving clarifications on the project, may be specified and attached.	YES		129-135

II Documents/Information Required for Proposals for Roads, Railway Lines, Canals and Transmission Lines				
31	The following information/documents must be given :- a) Length and width of Road/Railway line/ Canal/ Transmission line passing through forest and non forest area. b) In case of expansion of already			yes

(5)

	<p>existing road/railway line/canal, linear plan clearly showing in distinct colours the already existing road (from beginning to end), the width of the proposed road/railway line/canal to be expanded, and the remaining width of the Protect Forest strip, if any, which would be left after expansion.</p> <p>c) In case of transmission line, the following details may also be given :-</p> <p>i) Number of towers to be erected both in forest and non forest area.</p> <p>ii) Width of the right of way for transmission line.</p>			
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III	Documents/Information Required for Proposals for Hydro Electric Projects			
32	<p>The following information/document must be given :-</p> <p>a) Component-wise total area requirement</p> <p>b) Copy of Memorandum of Understanding</p> <p>c) Copy of Techno-Economic Clearance</p> <p>d) Copy of Implementation Agreement</p> <p>e) NOC from Irrigation and Public Health Department</p> <p>f) NOC from Fisheries Department</p> <p>g) Authorization to the applicant by the Project Authority</p>	yes		<p>138-143</p> <p>147-149</p> <p>150-156</p> <p>152-153</p>

IV	Documents/Information Required for Proposals for Mining			
33	<p>The following information/documents must be given :-</p> <p>I New Proposals</p> <p>a) Certificate from the competent authority like District Mining Officer/Geologist, regarding non-availability of the same mineral/ore in the nearly non-forest area.</p> <p>b) Estimated reserve of each mineral/ore in the forest area and non-forest area.</p> <p>c) Total area demanded and extent of forest area involved in the proposed</p>			

6

	<p>mining lease shown in distinct colours on relevant maps</p> <p>d) Proposed period of mining lease.</p> <p>e) Minimum distance of the proposed site from Wildlife Sanctuary and National Park.</p> <p>f) A copy of the mining plan duly approved by IBM, Nagpur.</p> <p>g) Phased reclamation plan of the project area.</p> <p>h) Copy of lease deed/agreement entered into with the district authorities.</p> <p>i) The details of Safety Zone Area for the mining as per para 4.7 of the guidelines. The undertaking from the project authority to bear the cost of fencing of safety zone area and afforestation over one and half times of degraded forest area. The details of safety zone to be ascertained by the competent authority viz. Indian Bureau of Mines/ Deptt., of Geology and Mining of the State Government.</p> <p>II) In case of renewal of Mining Lease</p> <p>a) A brief profile of the lessee/ company should be submitted giving details of their existing mining leases in the State with their capacity of production, the present level of average annual production, location of these pits and the status of reclamation of forest land that are exhausted of minerals.</p> <p>b) Complete details of existing or proposed leases in that particular forest area with their present status should be indicated on the Survey of India Topo-sheet in appropriate scale</p> <p>c) The State Government shall forward the complete proposal to the RO/MoEF at least six months prior to the expiry of the existing lease. In case of any delay, a details report elaborating the causes of delay shall be forwarded along with the</p>			
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	proposal.			
	d) A resolution of Gram Panchayat/ Local Body of the area endorsing the proposal that the project is in the interest of the people living in and around the proposed forest land.			

V Documents/Information Required for Proposals for Retail Outlets of an Oil Companies				
34	<p><i>The following information/ documents must be given :-</i></p> <p>a) Copy of letter of intent issued by the oil Company.</p> <p>b) Site selection certificate as per Govt. of India guidelines. The DFO should certify the distance between two retail outlets on either side of the outlet in question.</p> <p>c) Layout plan showing dimensions of proposed approach road for entry and exit with clear area calculations.</p> <p>d) Map clearly indicating the directions of the road leading from....to.....</p> <p>e) The area calculations for the curves should invariably be given in the layout plan.</p> <p>f) NOC from NHAI/PWD/Urban or local body</p> <p>g) NOC from Town and Country Planning/ local body</p> <p>h) Certificate by User Agency to the effect that no High Tension line passing above the proposed site duly countersigned by DFO</p> <p>i) A Certificate by User Agency to the effect that no LP Gas godown is located near the proposed site duly countersigned by DFO</p>			

Date. 16-Nov-2021
Place. R. Sec.....

Seal _____

Divisional Forests Officer
.....Forest Division
Office
(Roginald Rowston A) IFS
Dy. Conservator of Forest

8

FORM- 'A'

Form for seeking prior approval under section 2 of the proposals by the State Government and other authorities.

PART-I

(to be filled in by user agency)

1.	Project Detail	
(i)	Short narrative of the proposal and project/scheme for which the forest land is required	<p>Shongtong-Karchham Hydro Electric Project is a run of river type of hydel project on the River Satluj with all the project components proposed to be located on the left bank of Satluj River to harness the available hydel potential of the river. Generation capacity of the project is 102 MW form design discharge of 371 cumees with net head of 12.00m.</p> <p>The project envisages to divert the water of river Satluj through diversion structure (comprising of a barrage with 6 bays of size 10 m width with crest at EL 1937.70 M, diversion tunnel at EL 1936.50 M near village Powari on left bank of Satluj River, a small storage reservoir with bed level & full reservoir lever at EL 1936.00 M & 1956.00 M respectively with a storage capacity of 431 Ham alongwith 4 nos underground Sedimentation Chamber), the run it through a concrete lined circular 10.0 m dia, 8019.58 m long HRT (Head Race Tunnel), pass it into circular steel lined Pressure Shafts, underground Valve Chamber, underground Powerhouse to generate 402 MW power and then leave the water through Tail Race Tunnel 10.00 M dia & 90 M long back to Satluj River at Ralli village. There will be an open 39.50 m dia & 120 m deep Surge Shafr before Powerhouse.</p> <p>Power generated from this project would be transmitted from this project would be transmitted from the Bus-bar at the powerhouse site by state transmission utility to PGCIL sub-station at Karchham (over 10 kms distance). The state utility will submit separate proposal for its transmission line ect up to Karchham.</p>
(ii)	MAP Showing the required forest land boundary of adjoining forest on a 1:50,000 scale MAP	Enclosed
(iii)	Cost of the Project	Rs. 280783 Lacs(at Nov. 2006 price level) including IDC & ADC
(iv)	Justification for locating the project in forest area	<p>With the State of Himachal Pradesh having 65% of its total geographical area classified as forest land, no project of this magnitude can be constructed without involvement of forest land.</p> <p>The project has been studied in detail while conducting the</p>

		<p>investigation to weigh and decide on the technical detail and in the process various alternatives have been considered, analyzed/scrutinized with the option of locating them on either of the banks of Satluj from not only technical point of view but also from the 3 angle of causing least damage to environment besides using least forest area. Consequent to this exercise, alignment along left bank has been found best suited as the components of the project intercept less forest land as compared to all other available feasible options due to change in capacity/capacity enhancement from 402 MW to 450 MW and restriction imposed by the Army authorities for the construction, realignment of some Project components were made due to which this necessity of addl. Forest land was arise to undertake the construction works for the successful completion of project for the interest of State as well as Nation. Keeping in view the minimum requirement of addl. Forest land, therefore this location is suitable for the construction of this project. Attached 36 to 39</p>
(v)	Cost-benefit analysis (to be enclosed)	Enclosed on the prescribed format 125 to 128
(vi)	Employment likely to be generated	<p>Approximately 3000 skilled, semi-skilled and un-skilled persons during construction phase would be employed for a period of 66 months (including infrastructure development) besides about 25 directly employed regular staff in the operation phase.</p> <p>In addition the project would generate indirect employment in both construction and operations phases like tourism, fishery, small industry, retail business and distantly located industries supplied with power from the project</p>
2.	Purpose-wise break-up of the total land required	It has been Tabulated and enclosed as Annexure-A
3.	Detail of displacement of people due to the project, if any	Project components do not involve any displacement of an individual or a family
(i)	Number of families	None
(ii)	Number of Scheduled Caste/Schedule Tribe families	None
(iii)	Rehabilitation plan (to be enclosed)	Not required
4.	Whether clearance under Environment (Protection) Act. 1980 required ? (Yes/No)	Yes
5.	Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory	

10

	afforestation as well as cost for protection and regeneration of safety zone etc. as per the scheme prepared by the State Government (undertaking to be enclosed).	
6.	Details of Certificates/documents enclosed as required under the instructions.	<ol style="list-style-type: none">1. MAP showing location of the project (including roads etc) on 1:50,000 scale (Item1.ii of Form-A)2. Justification:- Alternative sites considered/examined and reasons for their rejection (Item 1.iv of Form-A)3. CB-Analysis (Item 1.v of Form-A)4. Component-wise land requirement of the project and its current land use (Item 2 of Form-A)5. Undertakeing to bear the cost of Compensatory Afforestation (CA), additional CA, NPV, cost of trees involved in the proposal and CAT Paln.6. Revenue papers of the land involved.

Date:

Place:-

Signature

Sr. Manager (R&R)

Shri. ... archham HEP,

HP ... keng-Poo,

Distt. ... H.P., 172107

State Serial No. of Proposal

(To be filled up by the Nodal Officer with date of receipt)

PART -II

(To be filled by the concerned Deputy conservator of Forests)

State Serial No. of Proposal

S No.	Location of the project/scheme	Shongtong-Karcham HEP,402 MW
i.	State/Union Territory	Himachal Pradesh
ii.	District	Kinnaur
iii.	Forest Division	Kinnaur Forest Division, at Reckong Peo, Distt. Kinnaur H.P
iv.	Area of forest land proposed for diversion (in ha)	7.3722ha.
v.	Legal status of forest	Charagah Drakhtan (U.P.F.)
vi.	Density of vegetation	0.3 based on total numbers of trees and total forest area calculated as per guidelines issued by PCCF HP for NPV
2.	Species-wise (scientific names) and diameter class-wise enumeration of trees (Detailed enumeration list enclosed at page 45-49 _____).	Enumeration List Attached at Page. 45,48&49
3.	Brief on vulnerability of the forest area to erosion.	The area where the project is covered with hard and competent rock formations, which are not susceptible to erosion. The possibility of erosion of all lands including forest land due to construction of the proposed project has been reduced to the barest minimum by locating all components on the hard rocky strata . Adequate and effective measures would be taken to retain the dumped muck in the muck disposal areas by way of a combination of engineering and biological measures as also in road construction. Thus, the project would not cause any significant possibility of erosion.
4.	Approximate distance of proposed site for diversion from boundary of forest.	The proposed project is located in the forest land.
5.	Whether forms part of National Park, wildlife Sanctuary, biosphere reserve, tiger reserve, elephant corridor, etc. (if so details of the area and comments of the Chief Wild Life Warden to be annexed)	It is certified that the project does not involved land from National Park, Wildlife Sanctuary, Biosphere Reserve or similar protected area.
6.	Whether any are/endangered /unique Species of flora and fauna found in the area?	No , there is no any flora and fauna of rare/endangered /unique species reported from the area. However the Project Authority would get a detailed study under Environment Impact Assessment carried out if any such species is found, the same would duly protected by tacking sufficient measures in the Environment Management Plan.
7.	Whether any protected archaeological/heritage site/defense	No, there is no protected area archeological site or any other important monument is located in the

	establishment or any other important monument is located in the area? If no, recommended area item-wise with details of alternatives examined?	area. However, one platoon of ordinance wing of defence establishment exist adjacent to the proposed project area, which is being shifted by the defence authority (probably to upstream location at Lippa-about 35-40 Kms) under some international convention to local them sufficiently away from the borders.
8.	Whether the requirement of forest land as proposed by the user agency in col.2 of part-I is unavoidable and barest minimum for the project ? If no, recommend area item-wise with details of alternatives examined.	Yes , involvement of forest land is unavoidable and diversion of barest minimum of forest land to non-forest use has been proposed.
9.	Whether any work in violation of the Act, has been carried out? If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is still in progress?	Yes , As per the detailed report dated 09.11.20 on violation under FCA, during the site inspection conducted on 11.02.2020 construction of Adit-I Tunnel was already completed. Subsequently no work has taken place. The user agency has also been directed to not start any activity until clearance under FCA is obtained. A Penal CA scheme has been prepared in lieu of the violation.
10.	Details of compensatory afforestation scheme:	
(i)	Details of non-forest area/degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each patch.	Enclosed as Checklist 18 at Page No. <u>60</u>
(ii)	Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries	Attached at page No. <u>58-59</u>
(iii)	Detailed compensatory afforestation scheme including species to be planted , implementing Agency, time schedule Cost Structure, etc.	Detailed CA Scheme enclosed at page No. <u>60-65</u>
(iv)	Total financial outlay for compensatory afforestation scheme.	Rs. 4208171/- only on 2021-22 price level .
(v)	Certificate from competent authority regarding suitability of area identified for compensatory Afforestation and from management point of view,(to be signed by the concerned Deputy Conservator of Forests)	Copy Attached at page No. <u>66-67</u>
11.	Site inspection report of the DCF (to be enclosed) especially highlighting facts Asked in Col. 7 (IX-Xii) 8 & 9 above.	Copy Attached at page No. <u>50</u>
12.	Division/Districts Profile:	
i)	Geographical area of the district	623748 Ha.

12.	Division/Districts Profile:	
i)	Geographical area of the district	623748 Ha.
ii)	Forest area of the districts	36904 Ha.
iii)	Total forest area diverted since 1980 with number of cases	1032.2775 Ha. and number of cases are 68
iv)	Total compensatory afforestation stipulated in the districts/division since 1980 as on 31-03-2021	2044.0616 Ha.
	a) Forest land including penal compensatory afforestation	2044.0616 Ha.
V)	Progress of compensatory afforestation as on 31.03.2021	
	a) Forest land	1787 Ha.
	b) Non forest land	NIL
13.	Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons;	The proposal of project is a run of the river scheme using barest minimum of forest land and having detailed Environment Management Plan and would be duly mitigated. Therefore the proposal is recommended for approval

Date: - 4/1/22
Place: - R. Peo

Signature
Deputy Conservator of Forest
Kinnaur Forest Division
at Reckong Peo, H.P.