

Government of India
Ministry of Environment, Forest & Climate Change
North Eastern Regional Office, Shillong

REGIONAL EMPOWERED COMMITTEE (REC) MEETING HELD ON 03rd October, 2015

STATE : ARUNACHAL PRADESH

Agenda Item No. 2

F.No. 3- AN C 045/2013-SHI

Fact Sheet

1. Name of the Project Proposal :

Proposal for the diversion of 18.56 ha of forest land (13.56 ha surface and 5.0 ha river bed) for construction of Kantangshiri Hydro Electric Project (80 MW) in Along Forest Division, Aalo in West Siang District of Arunachal Pradesh by M/s Kantangshiri Hydro Power Pvt. Limited.

2. Purpose for diversion:

The proposal for diversion of 18.56 ha of forest land for construction of Kantangshiri Hydro Electric Project (80 MW) for harnessing hydropower potential of River Yargyap Chuö, a tributary of Siyom River has been submitted by the Govt. of Arunachal Pradesh (Govt. of A.P) vide its No. FOR.495/CONS/2012/3642dt.01.10.13. The User Agency in this case is M/s Kantangshiri Hydro Power Pvt. Ltd.; a joint venture of Govt. of Arunachal Pradesh & Rajaratna Energy Holdings Pvt. Ltd. which entered into a Memorandum of Agreement (MoA) for development of the Kantangshiri HEP initially with installed capacity of 35 MW on build-own-operate and transfer (BOOT) basis. In line with the clause 2.24 of Memorandum of Agreement (MoA), a Special Purpose Vehicle in the name of Kantangshiri Hydro Power Pvt. Ltd. has been created and the same has been accepted by the Govt of Arunachal Pradesh. The No Objection Certificate (NOC) was issued for enhancement of installed capacity from 35 MW to 80 MW for the said project from Govt. of Arunachal Pradesh vide letter dated 27/05/2011.

3. User Agency : M/s Kantangshiri Hydro Power Pvt. Limited.

4. Legal status of Land : Unclassed Forest (belonging to State)

5. Density of Vegetation : 0.3 to 0.4 Ecological Class-V

6. No. of trees to be affected : 2191 nos
(Submergence area ϕ 60cm girth = 297 nos)

× 60cm girth = 545 nos
 Subtotal = 842 nos
 Other than submergence area Ö 60cm girth = 540nos
 × 60cm girth = 809 nos
 Subtotal = 1349 nos
 Grand Total + 2191 nos

7. Location of the project / Diversion site:

The proposed diversion site is located in West Siang District of Arunachal Pradesh and aims at harnessing the Hydro Power Potential in the Yargyap Chu River, a tributary of Siyom River. The project is located in Kantangshiri village, nearby Mechuka (which is around 32 km from the Indo-China international border). All the project components are well connected with the National Highway 52 up to the district head quarter Along of West Siang and then all weather road of 170 km from Along to Mechuka maintained by Border Road Organisation (BRO).

8. Land requirement of the Project :

The total land involved in the project is 37.31 ha. **with total forest land involved = 18.56 ha (Surface forest land = 13.56 ha. + river bed = 5.0 ha) .**

The details regarding locational of the project component-wise with total land requirement is as follows:

Sl. No	Components	Total Area	Forest Land Area (Ha)		Non-Forest Land Area (Ha)	Underground Area (ha)
			Surface Land Area (ha)	River Bed Area (ha)		
1	Barrage complex	3.3	2.1	0.5	0.7	-
2	Reservoir Area	9.5	3.8	4.5	1.2	-
3	Project office	0.7	-	-	0.7	-
4	Permanent Colony	2.5	-	-	2.5	-
5	Temporary Colony	1.5	-	-	1.5	-
6	Contractor's Colony	1.1	-	-	1.1	-
7	Workshop & Store	1	-	-	1	-
8	Material Storage Area	1	-	-	1	-
9	Crushing Plant	1	0.1	-	0.9	-
10	Batching Plant	1	0.2	-	0.8	-
	Muck Dumping Area	5	2.63	-	2.37	-
11	Project Road Area including Switchyard and Office Site near Power House	6	3.72	-	2.28	-
12	Magazine Area	0.01	0.01	-	-	-
14	Portal Area (Main Access Tunnel, Cable Tunnel, Ventilation Tunnel & Tailrace	1	1	-	-	-

	Tunnel)					
	Underground structure					
15	Underground worka	2.7	-	-	-	-
	TOTAL	37.31	13.56	5	16.05	2.7

(Total area required for the project = 37.31 Ha including Forest and Non-forest land.

Forest land required to be diverted = 18.56 Ha of which 5.0 Ha is River Bed Area

Non-forest land = 16.05 Ha & Underground Area = 2.7 Ha)

9. Cost of the project:

The present etimated cost of the project at Rs. 472.64 Crores (aprox.)

10. Terrain and forests (flora and fauna):

The forest involved in this project is having a crown density of 0.3 to 0.4 and falling under Ecological Class V. In original proposal 3468 trees shall be affected. 1349 nos. in the submergence area, 2119 no. at locations other than submergence area. However, as per latest information furnished by State Govta total of 2191nos are involved, 842 nos in the submergence area and 1349 nos. in other than submergence area.

The proposed area does not form part of any National Park/Sanctuary/Biosphere Reserve/Tiger Reserve or Elephant corridor etc. No rare or endangered species of fauna is reported in the area as stated by the State Govt. The area also does not have importance from archeological point of view. There does not exists any Protected Area within 10 km radius of the project site. The nearest Dibang Biosphere Reserve is approximately 113 kms and YordiRabeSupse Wildlife Sanctuary is approximately 126 kms as has been intimated by the Forest Deptt. No violation of Forest Conservation Act has taken place.

11. Compensatory Afforestation :

Compensatory Afforestation has been proposed over 18.56 ha. ofNon-forest land within 100 ha. ofTamjehala VRF.

A map showing the identified land has been enclosed. Geo-references of Compensatory Afforestation (CA).site has also been provided. The Division Forest Officer, Along Forest Division has also provided site suitability certificate. A scheme for raising Compensatory Afforestation with a financial outlay of Rs. 30,01,100/- has been submitted with the proposal. The user agency has provided undertaking for payment of Net Present Value and Compensatory

Afforestation charges .As the area for Compensatory Afforestation has been identified in Non-forest land equivalent to the area proposed for diversion, the Regional Office vide letter dated 2/12/14 has informed the State Govt that the Compensatory Afforestation scheme will not be equivalent but twice in extent to the diverted area. The information from the State Govt is awaited.

12. Cost-benefit analysis :

The 80 MW project would contribute energy/power about 353.81 Million Units annual in 90% dependable year and hence there would be direct revenue to the state and the nation. The completion of the project will directly benefit about 1,12,272 of population residing in West Siang Distt. During the construction stage employment will be generated for skilled and unskilled manpower alike.

13. CAT Plan:

A detailed Catchment Area Treatment Plan has not been provided by the project proponent which is an essential part of the Environmental Management Plan whereas it is stated that it will be identified in the Environment Impact Assessment/Environment Management Plan report.

14. Whether Environmental Clearance obtained :

The Environmental Clearance is required and the Environment Impact Assessment/Environment Management Plan report along with Public hearing Report will be submitted to MoEF&CC, New Delhi.

15. Whether FRA, 2006 completed :

The process towards the settlement of all claims and right over the proposed land under Forest Right Act, 2006 is in progress with copy of Notification and order constituting the District Level Committee for implementation of the Act has been submitted. The state Govt has noted in their letter dated 17/10/14 that the process under Forest Right Act is likely to take some more time for completion.

16. Miscellaneous:

The proposal has been recommended by all the levels of the Govt. of Arunachal Pradesh. All necessary certificate and undertakings (to bear cost of raising) Comp. Afforestation and its maintenance, and payment of NPV have been appended with the proposal.

Recommendations of the REC :