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Full Title of the project: Diversion of 22.94 hectare. of Forest land for Parallel Lined Chanel (PLC) Project From RD 0.00 (Dadupur Head) to 68220 (Hamida Head) in Yamuna Nagar. Under forest division and Distt. Yamuna Nagar, Haryana.

Proposal No. FP/HR/IRRIG/40972/2019

Date of Proposal :

CHECK LIST SERIAL NUMBER :- 16

SITE INSPECTION REPORT NOT BELOW THE RANK OF DCF

(For the Forest land to be diverted under FCA)

A proposal has been received by this office from **Sub Division Engineer water services Division Dadupur** for diversion (under FCA-1980) of **22.94 ha** of forest land for non-forestry purpose. The subject envisages the use of forest land for **Parallel Lined Chanel (PLC) Project From RD 0.00 (Dadupur Head) to 68220 (Hamida Head) in Yamuna Nagar. Under forest division and Distt. Yamuna Nagar, Haryana.** The site inspection of the land involved in the proposal has been done by me on **16.04.2020.**

On inspection of the site, it is found that the land required by the user agency is a Forest measuring 22.94 ha.

The requirement of forest land as proposed by the user agency in Col.2 of part-I can be avoided by re-designing/remodelling the Project.

Whether any rare/endangered /unique species of flora and fauna found in the area. If so, the details thereof.

Whether any protected archaeological/heritage site/defense establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required.

- (a) **The user agency has not violated the provisions of Forest (Conservation) Act, 1980 and no work has been started without proper sanction.**
- (b) It has been found that the user agency has violated the Forest (Conservation) Act, 1980 provisions. A detailed report as per para 1.9 of Chapter 1, Part C of Handbook of Forest (Conservation) Act, 1980 is attached.

Specific recommendation for acceptance or otherwise of the proposal :

Thick patches of forests have established on both sides of the existing WJC(MLL). Density varies from 0.4 to 0.8. Such type of forests patches take decades to establish. The established thick patches of forests are providing environmental services to the society and working as green lungs for the inhabitants of Jagadhari, Yamuna Nagar and the villages falling in vicinity of the canal as the canal is passing adjacent to Jagadhari and Yamuna Nagar cities. Theses thick patches of forests are serving the purpose of sequestering carbon dioxide and other

injurious gases & pollutants emitted by Plywood, Metal, Thermal Power Plant and other industries as Jagadhari and Yamuna Nagar have become the hub of these industries. These thick patches of forests are providing various intangible benefits to the living beings such as emission of oxygen, sequestration of carbon dioxide, shelter/habitat to fauna and flora etc. 18395 trees of Shisham, Kikar, Khair, Teak Jamun, Jamoya, Arjun, Shisham, Eucalyptus etc. will have to be axed for the implementation of the project. Most of the trees are long duration in nature which requires attentive nourishment and decades to shape themselves in the form of trees.

While interacting with the User Agency, the undersigned has noticed that the user agency has proposed to divide the existing channel (WJC-MLL) in two parallel channels by constructing a new bank in the existing running canal (WJC-MLL). The first parallel Channel will be lined having a width of 8.71 M and will carry 6065 cusec of water throughout the year. The second parallel channel will be 30 M wide and carry water only during the peak period i.e. rainy season. The existing banks will be demolished completely and completely lined new banks will be constructed. The data/ dimensions of the existing Channel WJC-MLL) sought from the user agency is as under : Bed Width = 320'

Top Width = 366'

Depth = 12'

Free Board = 3.5'

Total Depth = 15.5'

Banks width = 29' including 9' wide service lane

Length = 0.00 RD to 68220 RD

Capacity/Discharge = 19866 cusec

The undersigned has also procured the statics of monthly discharge of water for the last five years running in WJC(MLL) which is being reproduced as under :

Month	2015	2016	2017	2018	2019
January	2296	1429	2329	1528	2250
February	2543	1398	1821	1393	2782
March	5116	1469	1800	1348	2961
April	3678	1710	3469	1637	2828
May	4086	2527	3230	1980	2982
June	4215	3765	3843	2438	3255

July	10780	10924	13267	9055	9447
August	13667	15365	16112	15915	16540
September	7125	9542	11439	8904	10455
October	4074	4655	6271	5186	8790
November	2641	2640	2881	3496	2980
December	2078	1932	2095	2352	2384


The perusal of the above mentioned dimensions of the existing channel and monthly discharge of water clearly shows that the discharge of water never touches the full carrying capacity i.e. 19866 cusec. The monthly average discharge for the last five varies from 1398 Cusec to 10924 Cusec during whole year except August, 2019 where it has touches the mark of 16540 Cusec much below the full carrying capacity i.e. 19866. The proposed proposal is not going to enhance or increase the existing carrying capacity. The existing banks of WJC(MLL) have become well compacted because the canal is existing since long back. The compacted banks are functioning in the form of a very impervious layer on both sides of the canal. The existing canal is in cutting condition which is very safe to carry its maximum designed capacity.

Then what is the need and justification to construct two parallel canal by demolishing the existing WJC(MLL) having well compacted banks running in a cutting condition with full carrying capacity of discharge of water and providing environmental services simultaneously ameliorating the micro-climate?

Hence it will be my sincere advise to the User Agency to reconsider the re-modeling of the existing WJC(MLL) by lining with stone pitching on both the sides having maximum designed discharge just like Main Line Upper (MLU) without causing any unnecessary damage to the environment saving the thickly established patches of forests as well as the unnecessary burden on the state exchequer.

Note: If needed, CA and additional CA scheme will be prepared by DFO, Sirsa as the User Agency is going to provide equal land there at Sirsa.

Place:
Yamunanagar
Date:.....

(Signature) 
Name **Divisional Forest Officer**
Designation **Yamuna Nagar Forest Division**
Office **Seela Nagar (Haryana)**