

# कार्यालय अधिशाषी अभियन्ता जल संसाधन नवनेरा परियोजना खण्ड प्रथम कोटा

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No. /EE/WR/NAV /2021 /1656

DATE: 16-02-2021

Deputy Conservator of forests,  
Forest Division  
Kota / Baran

- Sub:- Proposal for seeking prior approval of the central Government under forest (Conservation Act, 1980 for non forestry use forest land for diversion of 700.347 Ha. Of forest land in favour of executive, WR Division Kota for Navnera Barrage across River Kalisindh Near Village Abra Tehsil Digod District, Kota (Rajasthan) under eastern Rajasthan (Online proposal No FP/RJ/IRRIG/35905/2018). –Reg.
- Ref: - Ministry of Environmental, Forest And Climate Change Letter No. – File No. 8-28/2020 –FC dated 3.2.2021 & M/s DBL Letter No. 120 Dated 09.02.2021

Sir,


The observation imposed by the ministry of Environmental, forest and climate change. Government of India Letter No. – File No. 8-28/2020 –FC dated 3.2.2021 in the above – mentioned proposal and their compliance are as under :-

S.No.	Observation	Compliance
1	The extent of forest area as per submitted kml/shape files is 648.93 has whereas the Proposal is for diversion of 700.347 ha. Therefore, complete .Kml/shape file of the proposed diversion i.e. for 700.347 ha is to be uploaded on the Parivesh Portal.	The KML/Shape file of proposed area for diversion (700.347 ha.) has been corrected and same has been uploaded on Parivesh Portal.
2	The proposal forest land for diversion falls Under the “Inviolat” category as per the Decision Support system (DSS) Rule-1 due to the Existence of the Rare forest type which implies that part of proposed diversion includes portion of one of the last remnanta of forest types is having total extent < 50 Sq. Km in the country. The State Govt. in consultation with the forest Survey of India. Dehradun may explore the possibility to Exclude portion last remnant forest type from the present proposal,	The proposed forest area for implementation of the project is 700.347 hectare coming under dam construction and dam submergence, which is not feasible to reduce. According to the site inspection of Deputy Conservator of Forests Kota / Baran and Chief Conservator of Forests, Kota, no special or rare species (inviolat category) were found in diversion area. According to the trees counting, mainly species are Babul (Prosopis juliflora).
3	Out of proposed Compensatory afforestation patches, 103 Ha. area of village namely Nachana Khera & Bhilot falls in the Protected Forest (PF) as per the DSS records, which needs to be excluded from the proposed CA. As per the Google	The proposed land (CA) is not a Protected forest as per Revenue record However the uploaded KML file has been corrected. The KML file of Bara (Patch-I & -II) and Guraytha (Patch-V) has been corrected and it does not falls in the river.

	earth imagery some portion of the CA patches proposed under the villages namely Bara (Patch-I) Bara (Patch-II) Guraytha (Patch-V) are falling within the river. Accordingly, the CA patches need revisit and revised CA patches commensurate to proposed diversion with site suitability certificate and Complete shape file shall be submitted. CA scheme would also need revision as per revised CA patches.	The CA land has been visited and suitability certificate has been issued by the concern forest officer and given to District Collectors. Therefore it is requested that kindly consider the proposed CA land for the proposal.
4	The Proposal is without approved catchment Area Treatment (CAT) Plan.	The Catchment Area Treatment (CAT) plan for the project has been approved and it is enclosed herewith for necessary action please. Annexure -1
5	Approved DPR of the project need submission	The approved DPR of the project is enclosed herewith for necessary action please. Annexure -2
6	The user agency at Part-1 (M) (II) has mentioned that the command area is zero which need clarification.	The command area from Navnera barrage is zero. It has been clarified as per enclosed herewith Annexure -3.

It is requested for early forwarding of reply /case to higher offices so that early clearance may be obtained which is utmost required to achieve the construction target fixed by GoR for timely completion of the project.


Encl: As above

  
**(Pradeep Kr. Gupta)**  
**Executive Engineer**  
**Water Resources Navnera Project**  
**Division -I, Kota**

No. /EE/WR/NAV /2021 /1057-1064  
Copy to following for information/ needful action please.

DATE: 16 -02-2021

1. The Chief Conservator for forest, Kota.
2. The Chief Engineer water resources Zone Kota
3. The Superintending Engineer Water Resources Circle, Kota.
4. Aen Navnera project sub division I/II/III
5. M/s DBL Camp Office Navnera Barrage site Vilage Abra Tehsil Digod, Kota
6. Assistant Engineer Shri Anil Yadav.

  
**Executive Engineer**  
**Water Resources Navnera Project**  
**Division - I, Kota**



## **Navnera Barrage : A Component of Eastern Rajasthan Canal Project (ERCP)**

Rajasthan is the largest state in India with geographical area of 342.52 lac Ha spread over in between latitudes 23°30' to 30°11' North longitudes 69°29' to 78°17' East, Rajasthan covers about 10.4% geographical area, 5.5% population, 19% livestock and 14% cultivable land of the country, whereas it holds only 1.16% of the country's surface water and 1.72% of ground water.

Regarding ground water status there are 295 blocks and out of this only 50 blocks are safe, 38 semi critical, and 194 over exploited & 3 saline, Regarding surface water Rajasthan has been divided into 15 River basins and one outside basin area. Total surface water availability at 50% dependability estimated about 25.38 BCM and another 17.88 BCM water is allocated as State's shares from trans-boundary river waters under various inter-state agreements. It is estimated that out of fifteen river basins surplus water is available only in Chambal and Mahi basin. In rainy season Kunnu, Kul, Parbati, Kalisindh, Mez, and Chakan sub-basins are also having surplus yield, while Banas, Banaganga, Ghambiri and Parbwati sub-basins are deficit in yield.

In Rajasthan on the one side water is surplus in Chambal basin and on other side many districts are striving for drinking water need of habitation & live stock, but even in rainy season water flowing in Chambal River can not be tapped. Looking to this fact an idea of Intra Basin water transfer scheme (Conceptual idea of Parallel Canal) is conceived as below :-

- Eastern Rajasthan Canal Projects (ERCP) is planned to harvest surplus yield available in the Southern Rajasthan rivers and transfer it to deficit basins in South-Eastern Rajasthan.
- This scheme is planned to meet the Drinking and Industrial water needs of the thirteen districts of Southern & South Eastern Rajasthan.
- Diversion of water available (at 50% dependability) from Rajasthan's own catchment is proposed to utilize. The Project area covers 23.67% area and 41.13% population of Rajasthan.
- Drinking water demand of year 2051, DMIC requirement, Power sector requirement and Irrigation water requirement shall be fulfilled through this Barrage.

**The Object to Construct Navnera Barrage (Proposed Structure) are as Under :-**

- The complete Project ERCP will be executed in three phases. In its phase- I (A) diversion structure on Kalisindh river is proposed named as Navnera Barrage. In this phase only Navnera barrage will be constructed.
- In the next phase, the stored water 226.65 MCM in the barrage will be diverted through 21.60 Km gravity link channel up to Chambal crossing. The water will be utilized for drinking purpose of 13 district i.e. Jhalawar, Baran, Kota, Bundi, Sawai Madhopur, Ajmer, Tonk, Jaipur, Dausa, Karauli, Alwar, Bharatpur and Dhoulpur industrial purpose.
- This intra basin water transfer scheme will ensure availability of drinking water for population and livestock of 13 district of Rajasthan forecast year 2051.
- This scheme will also take care of Flood/Drought situation in the area.
- The storage Capacity of Barrage 226.25 MCM which is to be utilized as Drinking, Industrial, purposes. Presently 54.00 MCM has been reserved for Drinking of 752 Villages of 3 District (Kota, Baran, Bundi) & 4 towns vide letter No. CE (SP)/PHED/Kota/Navnera/2029-20/3846-50 dated 05-02-2020. The Further Planning for Scheme is being prepared by PHED.

**Hence Presently the Navnera Barrage have only Drinking Purpose and additional water will be diverted i.e. no irrigation Purpose. Therefore command area in part-1(M) has mentioned zero for this Project.**

  
**Executive Engineer**  
**Water Resources Navnera Div. I**  
**Kota**