

**Government of India
Central Water Commission
Project Appraisal (Central) Dte.**

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To,

The Secretary to Govt. of Gujarat,
Narmada, Water Resources ,
Water Supply and Kalpsar department,
Government of Gujarat,
Block No.9, 5th Floor,
Sachivalay, Gandhinagar

Sub: Initial examination of the Proposal/Concept Note on 'Rann Sarovar -Development of Little Rann of Kutch' proposed by Shri Jaysukh O. Patel MD, M/s Ajanta Manufacturing Pvt. Ltd.(OREVA) and referred to CWC by PMO.

Ref:- 1. MoWR,RD & GR Ir. No. T-40011/4/2019-GW dt. 06-02-2019
2. CWC Ir. No. 1/6/2018/BP-II/25 dt. 12-03-2019
3. CWC(e-Office) Ir. No. T-74074/6/2019-PA(C) DTE/447-455 dt. 08-05-2019
4. CWC Ir. No. GUJ/01/PAC-2103/556-67 dated 06.06.2019

With reference to the letters cited above on the subject, a Proposal/Concept Note of 'Rann Sarovar-Development of Little Rann of Kutch' was sent by Shri Jaysukh O.Patel MD, M/s Ajanta Manufacturing Pvt. Ltd.(OREVA) and referred to CWC by PMO. A team has been constituted by Chairman, CWC under CE(Design-N&W) for examining the feasibility and suitability of the proposal and suggesting further course of action in this regard. (Ref.-3)

A meeting of this team was held on 30.05.2109 to deliberate upon the issues (MoM Ref.-4) and it was suggested that project proponent may be invited to discuss and elaborate on following points:

1. The proposal is silent on any spillway arrangement that may be required to be made as per proper hydrological studies.
2. Provision of a number of pipes provided at FRL may not be technically safe as pipes in the embankments are potent source of embankment failures due to inadequate compaction around the

pipes.

3. The proposal speaks about coefficient-based virgin yield only and, as such, actual water availability at project site is not known.
4. There is no mention in the proposal about the potential evaporation loss from the reservoir so created due to low humidity levels in the area.
5. Possibility of damaging effect of splashing sea waves on the embankment due to high winds
6. As the project area is deltaic region, huge silt load coming from rivers is required to be estimated based on sedimentation studies.
7. Arrangements for de-silting/flushing of sediments are not there in the proposal without which life of the project may be considerably reduced due to silting.
8. Details regarding flood water management and sediment/silt management particularly during monsoon.
9. Modalities of utilization of water to be stored in Phase-2 are not given in the proposal.
10. Measures for conservation of natural habitat of Asiatic wild Ass, Flamingos and other migratory birds during and after the execution of the project are to be spelt out. This may be a major cause of concern by the MoEF.
11. Post- project employment aspects (i.e. shift from traditional salt production to farming) to be studied
12. Purpose of providing double diaphragm wall as deep as 20 m is not clear in the proposal. Further, the possibility of providing a single diaphragm wall in place of double diaphragm wall may be explored from techno-economic considerations.
13. Other relevant studies like crop suitability and other agro-climatic aspects etc shall be conducted in detail.
14. The gradual siltation of the reservoir/pond so formed will raise the ground level in the pond area. This would lead to increased flooding in upstream area. It would be appreciated that reservoir so formed would have 100% trap efficiency with respect to sediments.
15. In the comments given by CGWB, it is mentioned that predominantly clayey substratum in the area does not allow significant vertical percolation of ground water and such there is little scope of controlling salinity ingress as envisaged in the proposal. Need to be discussed.

16.

CSIR commented on this proposal as a huge technological and environmental

challenge with immense impact on or complete reversal of the socio-economic structure of this region. Need to be discussed.

Accordingly, it is proposed to have a discussion/ presentation by the representatives of Shri Jaysukh O. Patel MD, M/s Ajanta Manufacturing Pvt. Ltd.(OREVA) on the points indicated above before the aforesaid team. CGWB and CSIR, to whom the matter was referred earlier are also being invited.

In view of this it is requested to depute concerned officers from Govt. of Gujarat in the discussion as above on 02.07.2019 at 11:00 AM in the Committee Room, 2nd Floor, CWC, New Delhi.

Yours faithfully

(Rajiv Kumar)

Director, PA-Central

Copy to:-

1. Shri Jaysukh O. Patel MD, M/s Ajanta Manufacturing Pvt. Ltd.(OREVA) – ***With a request for arranging presentation and discussion on the proposal covering various aspects as highlighted above.***
2. Chairman, CGWB, Faridabad - with a request to depute concerned officer for the proposed presentation.
3. Director General, CSIR, New Delhi - with a request to depute concerned officer for the proposed presentation.
4. Chief Engineer (Designs (N&W)), CWC(HQ), New Delhi
5. Director (Coastal Management), CWC(HQ), New Delhi
6. Director (Dams & HW (SE&W)), CWC(HQ), New Delhi-(Shri. Anil Jain)
7. Director (Hydrology(Central)),CWC(HQ), New Delhi
8. Director (ISM-1), CWC(HQ), New Delhi

Copy for information to:-

1. PPS to Chairman, CWC
2. PPS to Member (D&R/ WP&P/ RM), CWC
3. PPS to Chief Engineer (PAO), CWC
4. Director (Technical Co-ordination), CWC

5. Director (WP&P Co-ordination), CWC
6. Section Officer (Sh. Sonu Kumar), Prime Minister Office, New Delhi
7. Under-Secretary to Govt. of India (Sh. A.K. Wahi), Ground Water Desk, Ministry of Jal Shakti, Shram Shakti Bhawan, New Delhi