



Maharashtra Water Resources Regulatory Authority (MWRRA)

महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण

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File No: MWRRA/2009/PRCL/VIDC/Chichdoh/171

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Clearance to Chichdoh Barrage in
District Gadchiroli under
Vidarbha Irrigation Development
Corporation, Nagpur, by
MWRRA under Sec.11 (f) of Act.

- Ref : १) मु.अ. जलसंपदा विभाग, नागपूर यांचे पत्र क्र. ६२२८/नातां-४
/मजसनिप्रा/चिचडोह/०८ दिनांक २४/१२/२००८
- २) मु.अ. जलसंपदा विभाग, नागपूर यांचे पत्र क्र. १२६६/नातां-४
/चिचडोह बॅरेज/०९ दिनांक ०४/०४/२००९
- ३) मु.अ. जलसंपदा विभाग, नागपूर यांचे पत्र क्र. १६९३/नातां-४/
चिचडोह बॅरेज/०९ दिनांक १२/०५/२००९
- ४) मु.अ. जलसंपदा विभाग, नागपूर यांचे पत्र क्र. १९६७/नातां-४/
चिचडोह बॅरेज/०९ दिनांक ०२/०६/२००९

AUTHORITY MEMORANDUM

1.00 Section 11 (f) of the MWRRA Act (Act No.XVIII of 2005) reads as below:

“To review and clear water resources projects proposed at the sub-basin and river basin level to ensure that a proposal is in conformity with Integrated State Water Plan and also with regard to the economic, hydrologic and environmental viability and where relevant, on the State's obligations under Tribunals, Agreements, or Decrees involving interstate Entitlements:

Provided that, while clearing the new water resources projects by the concerned for construction proposed by River Basin Agencies, the Authority shall ensure that Governor's Directives issued from time to time, relating to investment priority for removal of regional imbalance are strictly observed;

Provided further that, in respect of the projects situated in Marathwada and Vidarbha Regions, the powers to accord administrative approval or revised administrative approval, under this clause, shall in accordance with the Governor's directives, be exercised by the concerned River Basin Agency".

2.00 The Chichdoh Barrage, Taluka Chamorshi, District Gadchiroli on Rest of Wainganga sub basin in Godavari basin was received for clearance by MWRRA under above mentioned section of the Act vide Ref. (1) above. Vide reference (2) to (4) compliances to comments of MWRRA were received.

3.00 The revised project received vide letter dated 02/06/2009 at Ref no. 4, envisages construction of barrage with gross storage of 62.531 Mm³ across Wainganga to irrigate annually an ICA of 11,510 ha through 3 Lift schemes and self generated command (lift by farmers themselves) as detailed below

| Name of Scheme | ICA (ha) | Water use (Mm ³) | Cost (Rs. cr.) | Forest land (ha) | Status |
|---------------------------|----------|------------------------------|----------------|------------------|--|
| 1) Wagholi Buti LIS | 3441 | 24.418 | 42.33 | - | Almost completed. |
| 2) Talodhi Mokasa LIS | 4330 | 32.756 | 57.16 | 7 | Authority has given no objection for forest clearance for project cost of Rs. 42.30 crore. VIDC has given administrative approval for revised cost of Rs. 57.16 crore. |
| 3) Londholi LIS | 2139 | 17.623 | 40.55 | 0.39 | Feasibility report stage |
| 4) Self generated command | 1600 | 13.182 | - | - | No separate approval required. |
| | 11510 | 87.979 | 140.04 | 7.39 | |

- 4.00 The cost of the barrage is Rs. 282.73 crores. The total cost of the project is thus Rs. 422.77 crores.
- 5.00. Water availability certificate has been given by CE (HP), Nashik. The BC ratio of the barrage by apportioning cost of the beneficiary schemes and considering cost of barrage is 1.70.
- 6.00 The project involves diversion of forest land of 7.39 ha for two lift schemes (viz. Talodhi Mokasa and Londholi). Clearance from MoEF is required to be obtained for this diversion before construction work on the lift schemes is started.
- 7.00 Environmental clearance is required for 3 LIS and the barrage as per Notification of Ministry of Environment & Forests, Government of India, September 2006. The environmental angle clearance may be obtained from the competent authority as per the stipulation in the MoEF's Notification as above.
- 8.00. Irrigation potential created in 1994 in Gadchiroli district was 35.34 % of its net sown area and potential created till June 2008 was 49.33% of its net sown area. Both these figures are more than the state average of 1994 which is 35.11 %. Thus physical backlog in the district is removed. However, there is a financial backlog of Rs. 13.43 crore as on April 2009 for the district which is to be removed in 2009-10.
- 9.00 Tultuli project in Gadchiroli district got administrative approval on 17-12-1979 for Rs. 388.70 crore to irrigate 30,590 ha and involving of diversion of 2228.06 ha forest. But due to involvement of this large forest land, MoEF rejected according forest clearance for this project and suggested study for alternate projects as reported by C.E., WRD, Nagpur vide letter dated 15/02/2008. VIDC has already proposed replacement projects through 4 lift schemes in the same district viz.

Dongargaon Thanegaon L.I.S., Kotgal L.I.S., Mahagaon Garra L.I.S., & Rengutha L.I.S., to irrigate 9,982 ha. Vide MWRRA's letter no MWRRA / 2007 / PRCL / VIDC / 6-LIS / 1183 Dated 03/03/2008 these projects have been accorded clearance. Thus a balance replacement area of 20,608 ha is available against abandoned administratively approved projects.

10.00 MWRRA is therefore pleased to accord clearance to Chichdoh barrage project under Section 11 (f) of the Act as per salient features keeping in view financial backlog and in lieu of Tultuli project as detailed in para 8 and 9 above subject to obtaining environment and forest clearance as per para 6 & 7 above and subject to compliance of additional conditions viz.

- c) After obtaining forest clearance for the two lift schemes viz. Talodi Mokasa LIS (7.00 ha forest land) and Londholi LIS (0.39 ha forest land), the DPRs may be finalized and got cleared from MWRRA under Section 11 (f) within 6 - months of the date of issue of this letter, failing which the clearance will be deemed to have lapsed. The cost of barrage may be apportioned, as already indicated in the BC ratio calculations of Chichdoh barrage and with updated cost of lift schemes, their techno economics fully established. Till this is done, the work of the barrage may be restricted to obtaining environmental clearance and infrastructure works like roads, buildings etc. only. This will ensure expenditure level in 2009-10 is restricted to removing balance financial backlog.
- d) The project envisages only irrigation and no reservation for drinking water supply and industrial use is contemplated. As per prevailing policy, provision for 10% reservation in storage for industry and 15% for drinking water is to be made. This may be explored to improve annual revenue for the project.

Clearance by MWRRA to Chichdoh Barrage in VIDC, Nagpur

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|---|---|------------------------------|----------------|
| Name of Project / Taluka / District | Chichdoh Barrage , Taluka Chamorshi, District Gadchiroli | | |
| Basin / Sub-basin | Godavari / Rest of Wainganga | | |
| Catchment Area Sq Km. | 6,431 | | |
| Gross Storage in Mm ³ | 62.531 | | |
| ICA | 11,510 ha through 3 Lift schemes and self generated command | | |
| Name of Scheme | ICA (ha) | Water use (Mm ³) | Cost (Rs. cr.) |
| 1. Wagholi Buti LIS | 3,441 | 24.418 | 42.33 |
| 2) Talodhi Mokasa LIS | 4,330 | 32.756 | 57.16 |
| 3) Londholi LIS | 2,139 | 17.623 | 40.55 |
| 4) Self generated command | 1,600 | 13.182 | - |
| Total | 11,510 | 87.979 | 140.04 |
| Barrage | 683 m long with 38 vertical type lifting gates of size 15.00 X 9.00 | | |
| Updated Cost of Barrage | Rs. 282.73 crore | | |
| B / C Ratio | 1.70 | | |
| Whether Project lies in Backlog District or otherwise | Financial Backlog | | |
| Remarks | Water Clearance by C.E, HP, Nashik | | |