



**Maharashtra Water Resources
Regulatory Authority
(MWRRA)**

महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण

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File No: MWRRA/2009/PRCL/GMIDC/22-1MP/302

Date : 17/07/2009

**Clearance to the Sahastrakund
Hydro-electric (Multi-purpose)
Project in Nanded District under
GMIDC, Aurangabad by MWRRA
under Section 11 (f) of the Act**

Ref : १) मु. अ. व मु. प्र. लाभक्षेत्र विकास, जलसंपदा विभाग,
औरंगाबाद यांचे पत्र क्र. लाक्षेवि/जसवि/तां.५/३२७५/
पुस्तिका-१ दिनांक - ०१/०७/२००९

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औरंगाबाद यांचे पत्र क्र. लाक्षेवि/जसवि/तां.५/सहस्रकुंड
जविप्र/३५३१ दिनांक - १४/०७/२००९

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 Sahastrakund Hydro-electric (Multi-purpose) Project, Taluka Himayatnagar, District Nanded, in Penganga sub-basin of Godavari basin was received for clearance by MWRRA under above mentioned Section of the Act; vide Ref No. 1.
- 3.00 (i) This project consist of Main Dam, Saddle Dam, Open Cut Link Canal, two power houses & canal and distributory system to irrigate 9,500 ha in Yavatmal district by gravity flow canal. The location of power house of 1 X 20 Mw is at the dam foot of saddle dam & power house of 1 X 5 Mw is at dam foot of existing Ningnur M.I. Tank.
- (ii) The project has been cleared by C. E. (H.P.) Nashik, for water availability of 454.11 Mm³ at proposed site at 75% dependability & 289.01 Mm³ at 90% dependability. This project is in the catchment of Lower Penganga Project & there is no effect on LPP due to this project.
- (iii) The main dam requires 5,994 ha land for acquisition and 7 villages will undergo submergence fully and 5 villages will submerged partially. The saddle dam requires 283 ha land for acquisition and no villages will undergo submergence of saddle dam.
- (iv) The Total cost of the project is Rs. 583 crore & BC ratio is 1.00 for hydro portion & 1.52 for irrigation portion which is more than 1. The break-up of Rs. 583 crore is as below,

Rs. in crore

Main Dam (Incl. B - land & Rehabilitation)	243.06
Link Canal	55.88
Saddle Dam	43.35
Power House (Civil, Mechanical & Electrical works)	129.35
Canal Distribution System	59.08
Other Related Expenditure	52.28
Total	583.00

- 4.00 Since this is Multi-Purpose (Hydro-Electric & Irrigation) project, Hon. Governor's directives do not apply to the Hydro-Electric portion.
- 5.00 Vide Ref. No. (2) C.E. & C.A., CAD, Aurangabad confirmed that out of total Rs. 583 crore project cost, Rs. 129.35 crore will be met through funds available under hydro-power head, Rs. 132 crore will be borne by Lower Penganga Project. The expenditure on canal & distributory system in Yavatmal district should not be spent till districtwise backlog will come up for review.
- 6.00 There is no financial backlog in Yavatmal District as on 01/04/2009. This project has 9,500 ha command in Yavatmal district. The balance irrigation backlog of June 1994 in Yavatmal District as on June 2007 is 32,260 ha in SRE. This Project will create a potential of about 16,340 ha in SRE. But in the meeting conveyed by Secretary to the Hon'ble Governor on 16/05/2009, it was decided that the ongoing projects in Yavatmal District are sufficient to remove the balance backlog of June 1994 in this district as on June 2007.
- 7.00 The regulated releases from main dam will entail additional irrigation in Yavatmal district in Lower Penganga Project. This can not be avoided and has to be restricted to increasing the intensity irrigation of the existing area.
- 8.00 Lower Penganga Project Authorities should submit proposal for utilizing regulated releases from this project to justify the share

cost of Rs. 132 crore. This should be separately got cleared from MWRRA. Since no new irrigation projects are to be taken up in Yavatmal district, no additional expenditure on new irrigation infrastructure in Lower Penganga Project should be incurred till districtwise backlog will come up for review.

9.00 The work of Main Dam and Saddle Dam in river gorge portion should only be started after completion of R & R works.

10.00 It is presumed that this Project does not involve diversion of forest land. A certificate to this effect needs to be furnished from concerned forest Department.

11.00 Environmental clearance is required for this project as per Notification of Ministry of Environment and Forests, Government of India, September 2006. The environmental clearance may be obtained from Competent Authority as stipulated by MoEF.

12.00 The MWRRA is, therefore, pleased to accord clearance to this project under Section 11 (f) of the MWRRA Act as per salient features appended herewith subject to compliance of Para - 5 to 9 above.

13.00 This clearance is issued under reference No. 84 dated 17/07/2009 & is registered under No. MWRRA/2009/PRCL/GMIDC / 22-1MP / 302 dated 17/07/2009 in the office of the Authority.

14.00 The Receipt of this Memorandum may please be acknowledged.

Encl : Abstract Sheet

Handwritten notes in Marathi:
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Handwritten signature and name:
o/c (S.V. Sodal) Secretary

Copy forwarded to :

Handwritten number: ११/०९

- 1) Secretary (WR), WRD, Mantralaya, Mumbai.
- 2) Executive Director, Godavari Marathawada Irrigation Development Corporation, 1st Floor, Sinchan Bhavan, Jalana Road, Aurangabad - 431 005.

Handwritten initials and date:
VS
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- 3) Executive Director, Vidarbha Irrigation Development Corporation (VIDC),
Sinchan Seva Bhavan, Civil Lines, Nagpur - 440 001.
- 4) Chief Engineer & Chief Administrator, Command Area Development
Authority, Labh-kshetra Vikas Bhavan, Garkheda Parisar, P.O. Box No. 560,
Aurangabad - 431 005.
- 5) Chief Engineer (WR), Water Resources Department, Sinchan Seva Bhavan,
Shivaji Nagar, Camp, Amravati - 444 603.

**Clearance by MWRRA to Sahastrakund Hydro-electric
(Multi-purpose) Project unde GMIDC, Aurangabad**

Name of Project/ Taluka/ District	Sahastrakund Hydro-electric (Multi-purpose) Project, Taluka Himayatnagar, District Nanded
Catchment Area Sq Km.	8,725
Basin / Sub-basin	Godavari / Penganga
Water Available for Utilisation in Mm ³	491.61
Irrigation	55.50 Mm ³
Evaporation losses	30.18 Mm ³
Water for power generation	85.68 Mm ³
Annual water to be released in Lower Penganga Project	405.93 Mm ³
ICA	9,500 ha in Yavatmal district
Power house - 1	1 X 20 Mw is at the dam foot of saddle dam, radical-axial flow Francis Type turbine. Generator having 25 MVA capacity, speed 250 rpm with 11kV generation voltage
Power house - 2	1 X 5 Mw is at the Ningnur dam, tubular Kaplan Type turbine. Generator having 6.3 MVA capacity, speed 750 rpm with 6.6 kV generation voltage
Cost of Project	Rs. 583 crore
Cost to be charged to VIDC	Rs. 132 crore
Cost of Hydro project	Rs. 129.35 crore
B/ C Ratio	
For power generation	1.00
For Irrigation	1.52
Remarks	Water Clearance by C.E, HP, Nashik