

GOVERNMENT OF ANDHRA PRADESH



भारत
पर्यावरण एवं वन
भारत
MINISTER
ENVIRONMENT & FORESTS
INDIA

18 MAR 1994

D.O. No: J-11018/13/85-1A

Dear Vijay Khanna sir

I am pleased to inform you that the proposed project Srisaillam Left Bank Canal Project, Andhra Pradesh has been accorded approval from the environmental angle. The clearance given is subject to implementation of certain conditions as needed for environmental protection. I will appreciate your help in ensuring that these conditions are effectively implemented. A copy of the approval letter is being sent separately.

With regards,

Yours sincerely,

(K. N. NATH)

Chief Minister of Andhra Pradesh,
HYDERABAD.



Sir,

Sincerely,

Vijay Khanna

16/3/94

05/94



No. J.11016/13/85-14.1
Government of India
Ministry of Environment & Forests

Paryavaran Bhavan
CUD Complex, Lodi Road,
New Delhi-110003.

April 22, 1994.

OFFICE MEMORANDUM

Subject: Srisailem Left Bank Canal Scheme, Andhra Pradesh -
Environmental Clearance.

The Scheme has been examined from environmental angle and is accorded approval subject to effective implementation of the following safeguards and mitigative measures:

- i) It has to be ensured that 2.05 TMC of water earmarked for drinking purposes be made available only for that purpose and shall not be diverted to any other use such as irrigation, industry etc. at any stage.
- ii) The tunnel passes through sensitive wildlife Sanctuary area that needs protection against noise and human interference. It should be ensured that during tunneling, the noise levels on the surface are restricted to 55 dB(A) and continuous monitoring of noise levels should be undertaken to introduce additional mitigative measures, if so required.
- iii) The adit proposed at 25 Kms of the tunnel near Tirmelapur is located in the habitat of Chinchu tribals. To cause minimum possible disturbance to them, development of infrastructure for the project activities including size and location of labour camp, must be kept to the minimum.
- iv) Prior to impoundment of Dindi Reservoir, detailed hydrological data be collected to ascertain average flow in the river, minimum lean season flow and its duration, water requirement down stream, including for aquatic life etc., with a view to ensure adequate releases in the down stream stretches. The reservoir operations should, accordingly, be worked out and submitted to the Ministry by 30th June, 1994.

Considering that immediate catchment of the Srisailem Reservoir is already degraded due to the local practice of burning of grasses, steps should be initiated in priority for soil conservation through engineering and biological protective measures. A time bound action plan be prepared and submitted by 30th June, 1994.

On the basis of NRSA maps indicating the land use pattern and status of the degradation in the Dindi watershed, areas (both forest and non forest) requiring soil conservation measures should clearly be demarcated and a phased time bound rehabilitation programme be prepared for implementation to be completed before impoundment and submitted by 30th June, 1994. A similar exercise should be conducted for the Udaya Samudram Tank Watershed also.

Handwritten notes:
20 to 50%
also with rain
in summer
of area and
for final map
submitted with
24/4

- vii) a) As the command area falls in a low rainfall zone and is affected frequently by droughts, there is need for things on water conservation and management techniques such as drip irrigation, suitable choice of crops and crop rotation etc. by giving requisite training to the farmers through sustained extension programmes.
- b) The cropping pattern, as proposed, should be strictly implemented and necessary steps initiated to ensure that high water consuming crops like sugarcane, paddy etc. are not taken up in the command.
- viii) The rehabilitation programme should be undertaken in consultation with the affected population and should also be extended to landless persons. The On-going programmes and schemes of other State Departments such as Scheduled Castes Commission, Horticulture Department, Agriculture Department, should be integrated with the proposed rehabilitation schemes. Care should be taken not to put a large number of families in those existing villages where drinking water, pastures and agriculture land are already in short supply.
- ix) a) Operation and regular maintenance of canals and distributaries should be so undertaken by clearing the weeds and maintenance of the slopes as to ensure that tailenders could also get drinking water.
- b) A Green Belt should be created along the canal alignment through selection and plantation of indigenous species on the basis of local needs. The phased programme for plantation should be submitted by September, 1994.
- x) Bench mark surveys on health aspects with thrust on control of water borne diseases should be undertaken and necessary steps initiated to minimise the health problems by preventive and curative measures.
- xi) a) Regular monitoring of surface and ground water quality specially with reference to fluoride content and pesticides and fertilizers, etc. alongwith fluctuation in the depth of ground water table etc. It should be carried out in consultation with the National Institute of Occupational Health, Ahmedabad and the Indian Council of Medical Research, New Delhi. Plans so prepared be submitted by September, 1994.
- b) The drinking water should be supplied only through pipelines to avoid contamination, particularly from the rock strata reported to have high fluorine content.
- xii) Restoration of construction areas should be ensured by levelling grading and filling of borrow pits and land scraping etc.
- xiii) Budgetary provision should be made for implementation of the above environmental mitigative measures, with yearly break up, in the total budget of the project.

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- xiv) A multi-disciplinary task force with experts from such disciplines as agriculture, horticulture, forestry, socio-economic and medicine, etc. should be constituted to ensure effective implementation of the environmental mitigative measures and suggest mid course corrections required, if any.

2. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the clearance under the provisions of the Environment (Protection) Act, 1986 to ensure effective implementation of the safeguards in a time bound and satisfactory manner.

(Nalini Bhat)
Joint Director

Shri A. Narasimha Reddy,
Chief Engineer,
Srisailem Project,
Hyderabad.

Copy to :

1. The Secretary, Ministry of Water Resources, Shram Shakti Bhavan, New Delhi.
2. The Adviser (I&CAD), Planning Commission, Yojana Bhavan, New Delhi.
3. The Chief Engineer (PAD), Central Water Commission, Sewa Bhavan, New Delhi.
4. The Chief Conservator of Forests (C), Regional Office (52), No.463, 1st Main, 3rd Block, 3rd Stage, Basavaneswara Nagar, Bangalore-560071
5. Guard File.

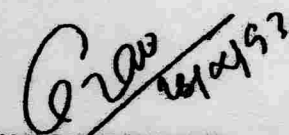
(Nalini Bhat)
Joint Director

DR. C. N. RAO, I.F.S.,
CHIEF WILD LIFE WARDEN
Chief Conservator of Forests (WL)

The proposals for Srisaillam Left Bank Canal is passing through the Rajiv Gandhi Tiger Sanctuary is through a tunnel. The tunneling is being started from two opposite directions namely A and D marked in the maps, which are outside the Sanctuary area.

The material that is going to be removed would be separately dumped outside the forest area, in an area under the control of the project authorities. The areas are marked in the map, proper soil conservation as well as afforestation measures are proposed. The tunnel passes at a depth of 27 mtrs to 400 mtrs. Most of the area being around 300 to 400 mtrs below the surface of the Sanctuary area. The tunneling is being done by tunnel boring machines and therefore this would not give rise to any disturbance over ground.

I have gone through the Environmental Impact Assessment Report and find that there is no objection from the Chief Wild Life Warden for giving clearance for this Project for taking up of tunneling work for Srisaillam Left Bank Canal, which is passing under Rajiv Gandhi Tiger Sanctuary area.


CHIEF WILDLIFE WARDEN
Govt. of Andhra Pradesh
Hyderabad-500 004

Dr. C. N. RAO, IFS
Chief Conservator of Forests

Environmental & Forest Aspects

APPENDIX - I

Copy of

Ministry of Forests
Ministry of Environment and Forest
(EC Division)

Perpetua Bhawan
22/2, Connaught Place, New Delhi - 110 003

Dated: 21.4.1994

To
The Secretary (Forest),
Govt. of Andhra Pradesh,
Hyderabad.

Sub: Permission for Survey and Excavation of Sengalasa Left Bank Canal under ground through the forest area in Malakshongar and Nalgonda District.

Sr,

I am directed to refer to your letter No. 200/1994 dated 12.7.1993 and 25.10.1993 on the above mentioned subject seeking prior approval of the Central Government in accordance with Section-2 of the Forest (Conservation) Act, 1980 and to say that the proposal has been examined by Advisory Committee constituted by the Central Government under Section-3 of the Forest (Conservation) Act, 1980.

After careful consideration of the proposal of the State Government and on the basis of recommendation of above mentioned Advisory Committee, the Central Government hereby conveys its approval under Section-2 of the Forest (Conservation) Act, for permission for Survey and excavation of Sengalasa Left Bank Canal under ground through the forest area in Malakshongar and Nalgonda District, subject to fulfillment of following conditions:

- i) Only 3 boreholes are proposed will be drilled in the forest area for investigation purpose and the noise level while drilling has to be closely monitored to ensure that it does not affect the wild life.
- ii) No new roads or other construction work will be permitted to be done in the area.
- iii) No shifting of men and material will be permitted in the Sanctuary area for investigation/drilling work.

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- iv) No over burden should be allowed to be dumped in the Forest area.
 - v) Fund amounting to Rs. 15 Crores will be provided by the User agency/ State Government to the Forest Department. Part of this fund will be utilized for rehabilitation of villages situated in the core area of the project area and part of this fund will be utilized for development of project area as per detailed plan including annual planning of fund duly approved by the Government of India.
 - vi) The State Government will provide non forest land for rehabilitation of the villages from the Sanctuary area.
 - vii) No damage shall be done to the forest area while carrying out the work. In case any damage is noticed, compensation at a rate of 10 times, the loss will have to be paid by the User agency to the Forest Department.

Yours faithfully,

Sd/-

(MUNINDRA)

Under Secretary to the Government of India

Copy to:

1. Principal Chief Conservator of Forests, Government of Andhra Pradesh, Hyderabad.
2. Joint Officer, Office of ECGP's Govt. of Andhra Pradesh, Hyderabad.
3. The ECF (Central), Regional Office, Bangalore.
4. RO (HQ), New Delhi.
5. Guard File.

Sd/-

(MUNINDRA)

Under Secretary to the Government of India