

No. J-12011/1/2017-IA-I(R)
Government of India
Ministry of Environment, Forest & Climate Change
[IA.I - Division]

Indira Paryavaran Bhavan
3rd Floor, Vayu Wing
Jor Bagh Road
New Delhi —110 003

Dated: 22nd December, 2017

To,

Shri B. Hariram
The Chief Engineer
Kaleshwaram Project
1st Floor, Jalasoudha Building
Errumanzil
Hyderabad - 500082.

Subject: Kaleshwaram Project in Karimnagar District of Telangana by I & CAD Department, Government of Telangana - Environmental Clearance (EC) - regarding.

Sir,

This has reference to your letter No.CE/KPH/DCE-3/DEE-3/AEE-9/EIA&EMP/Vol.II/2017 dated 16.11.2017 and 26.11.2017 on the above mentioned subject.

2. The above referred proposal was considered by the Expert Appraisal Committee (EAC) for River Valley & Hydroelectric Projects in its meeting held on 5.12.2017. The comments and observations of EAC on the project may be seen in the Minutes of the meeting which are available on the web-site of this Ministry.
3. The Public Hearings were conducted in 15 Districts (i.e. Karimnagar on 22.8.2017, Nizamabad on 22.8.2017, Medchal-Malkajgiri on 22.8.2017, Yadadri-Bhunanagiri on 22.8.2017; Peddapally on 23.8.2017, Nalgonda on 23.8.2017, Sangareddy on 23.8.2017, Kamareddy on 23.8.2017; Nirmal on 24.8.2017, Jagityal on 24.8.2017, Medak on 26.8.2017, Jayashankar-Bhupalapally on 26.8.2017, Manchiryal on 26.8.2017, Rajanna Sircilla on 26.8.2017 & Siddipet on 26.8.2017) of Telangana and 1 District (Gadchiroli on 27.9.2017) of Maharashtra as per the provisions of EIA Notification, 2006.
4. The project envisages construction of a barrage across River Godavari in near Medigadda village in Karimnagar District of Telangana for diversion of 180 TMC of water for providing irrigation facility in 7,38,851 ha covering 7 Districts namely Adilabad, Karimnagar, Nizamabad, Warangal, Medak, Nalgonda and Rangareddy Districts. It is also proposed to stabilize the existing command area of 7,62,028 ha of area. The project is also proposes to provide drinking water facility for Hyderabad and Secunderabad cities. Total land requirement is about 37,852 ha. Out of which



3168.1315 ha is forest land and 34,684 ha is private land. The total submergence area is about 18,302 ha. In addition to Medigadda barrage, 2 more barrages between Medigadda and Sripada Yellampally Project are likely to be constructed, one at Annaram and the other at Sundilla. The total length of water canal system is about 1,832 km. This project lies in the interstate boundary with submergence of 174.37 ha of area in Maharashtra State. Total estimated cost of the project is about Rs. 80,499.71 Crores and proposed to be completed in 3 years.

5. It was noted that the project involves (i) diversion of 180 TMC water from Godavari river, (ii) additional 20 TMC water will be drawn from Yellampally barrage, (iii) 10 TMC of water from self-yield tanks and (iv) 25 TMC of water from utilizable groundwater; put together 225 TMC of net water availability. Out of this, 30 TMC of water will be used for providing drinking water facility for twin cities of Hyderabad and Secunderabad, 10 TMC of water to en-route villages, 16 TMC of water for industrial purpose, 134.5 TMC for irrigation facility in 7,38,851 ha of new command area and 34.5 TMC of water for stabilization of 7,62,028 ha of area. The CWC has cleared water availability vide letter No. 6-231/2017-PA(S)/1327-28 dated 30.10.2017 for the project.

6. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and clarification furnished in response to its observations, have recommended for grant of Environmental Clearance for the project mentioned above. Accordingly, the Ministry of Environment, Forest & Climate Change hereby accords necessary environmental clearance for the above project as per the provisions of Environment Impact Assessment Notification, 2006 and its subsequent amendment in 2009, subject to compliance of following conditions:

Part - A - Specific Conditions:

- i. The Catchment Area Treatment (CAT) Plan as has been proposed in the Chapter-9 of EMP (9.1 - CAT Plan; November, 2017) shall be implemented in consultation with the Telangana State Forest Department. The allocated grant of Rs. 362.04 Crores for this purpose should be fully utilized and not be diverted for any other purpose. As per plan, the area of CAT is 32.83 Sq.km.
- ii. The project involves acquisition of 34,684 ha of land. The R&R benefits for the land losing will have to comply with the Right to Fair Compensation and Transparency in land acquisition, Rehabilitation & Resettlement Act, 2013 or any other act which would be beneficial to the project oustees. Adequate publicity of the compensation package should be circulated in the affected villages. All R&R issues shall be completed before commissioning of the project.
- iii. Construction work to be carried-out after following due procedure of the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 as applicable to the State of Telangana (21/2017) as amended by Act.



- iv. A Monitoring Committee for R&R shall be constituted which shall include representatives of project affected persons including representative from SC/ST category and a woman beneficiary.
- v. All commitment made during the public hearing should be fulfilled completely by the project proponent and record maintained, if any.
- vi. The Command Area Development (CAD) Plan as proposed in the EIA/EMP report (November, 2017) report shall be strictly implemented.
- vii. Consolidation and compaction of the generated muck should be carried-out in the muck dumping sites. As proposed in the muck disposal plan, out of 1480 lakh m³ muck generated, the entire to be utilized for service road & inspection paths, embankments, land leveling, filling trenches, and construction material for CD works, road etc. and restoration works for canal banks should be strictly adhered. The muck disposal sites shall be reclaimed/ restored with vegetation once capacity is utilized. Allocated amount of Rs.32.79 crores for this purpose should be fully utilized and not be diverted for any other purpose.
- viii. The proposed compensatory afforestation programme in 5333.817 ha of degraded forest area with twenty two (22) local plant species identified for the programme shall be undertaken strictly in consultation with State Forest Department. The allocated amount of Rs. 722.30 Crores for this purpose should be fully utilized and not to be diverted for any other purpose.
- ix. To enhance the environment of project site, greenbelt, as proposed in the EIA/EMP report (November, 2017) shall be developed. The proposed greenbelt shall be developed in the barrages of the project and reservoirs periphery of 110.20 km and canal bank of 116.334 km of the project proposed with local plant species in consultation with State Forest Department should be taken-up strictly. The allocated grant of Rs. 19.21 Crores should be fully utilized this purpose and not be diverted for any other purpose.
- x. The Fisheries Development Plan as proposed in the EIA/EMP (November, 2017) for the conservation of fish in river & reservoir shall be implemented completely in consultation State Fisheries Department. A budget of Rs. 485 Crores provided for fisheries development plan should be utilized fully for this purpose and not to be diverted for any other purpose.
- xi. The proposed Biodiversity Conservation and Management Plan as proposed in the EIA/EMP report (November, 2017) should be implemented in consultation with State Forest Department. The allocated grant of Rs. 3.36 Crores should be fully utilized this purpose and not be diverted for any other purpose.
- xii. Water User Association's (WUAs) / Co-operative shall be formed and involvement of the whole community for disciplined use of available waters shall be ensured.



- xiii. Conjunctive use of surface water shall be planned to check water logging as well as to increase productivity.
- xiv. The equipment likely to generate high noise levels during the construction period or otherwise shall meet the ambient noise level standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986. Ambient Noise level monitoring shall be conducted on a monthly basis during the period of construction at suitable locations and copy of the test reports to be submitted to Regional Office, MoEF & CC, Chennai on six monthly basis.
- xv. The On Farm Development (OFD) works shall be completed and WUAs (Water User Associations) shall be made functional before commencement of irrigation.
- xvi. Occurrence of stagnant pools/slow moving water channels during construction and operation of the project providing breeding source for vector mosquitoes and other parasites. The river should be properly channelized so that no small pools and puddles are allowed to be formed. Even after taking precautions, due to un-foreseen situations, breeding of mosquito and resultant malaria or mosquito borne diseases can increase. If such a situation arises, it will be the responsibility of project authorities to take all steps i.e. residual insecticidal spray in all the project area and surrounding 3 km area keeping the flight range of mosquitoes in consideration.
- xvii. Any other clearance from any other organization/department if required should be obtained.
- xviii. The submergence area is very large, micro-climatic change conditions in the project area during construction/post-construction period to be brought-out/reported at regular intervals.
- xix. Plans for greenbelt development and reservoir rim treatment have to be made in consultation with State Forest Department. Preference shall also be given to plant local indigenous species.
- xx. Solid waste generated, especially plastic waste should not be disposed of as landfill material. It should be treated with scientific approach and recycled.
- xxi. Six monthly compliance reports shall be submitted to Regional Office, MoEF & CC, Chennai until completion of the modernization works.

Part - B. General Conditions:

- i. Adequate arrangements for providing free fuel like LPG shall be made at the project cost for the labour engaged in the construction work so that indiscriminate felling of trees is prevented.
- ii. Medical facilities as well as recreational facilities shall also be provided to the labourers.

- iii. The labourers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit.
 - iv. Water sprinkling arrangements shall be made to suppress the fugitive emissions and on monthly basis, ambient air quality to be monitored during the period of construction.
 - v. Potable drinking water and proper sanitary facilities shall be provided for the labour force.
 - vi. Restoration of construction area including dumping sites of excavated materials shall be ensured by leveling, filling up of borrow pits, landscaping etc. The area should be properly treated with suitable plantation.
 - vii. Environmental parameters shall be monitored and six monthly monitoring reports shall be submitted to the concerned Regional Office of the Ministry, Chennai.
7. The Project Proponent shall provide full cooperation and all required documents / data to the Officials from concerned Regional Office of the Ministry, Chennai who would be monitoring the implementation of environmental safeguards.
8. The responsibility of implementation of environmental safeguards and carrying out environmental monitoring rests fully with Irrigation & CAD Department, Government of Telangana.
9. Besides the above stated conditions, the Project Proponent shall also implement all environmental safeguards, as proposed in the EIA/EMP report and other reports from time to time. The Regional Office of the Ministry, Chennai shall monitor implementation of EMP at regular intervals.
10. The Environmental Management Plan (EMP) shall be strictly adhered to and a sum of Rs. 16230.43 crores, the budgetary provisions for the implementation of EMP, shall be fully utilized and not to be diverted to any other purpose. In case of revision of the project cost or due to price level change, the cost of EMP shall also be updated proportionately
11. In case of change in the scope of the project, the same shall be intimated to the Ministry and fresh approval, if required, shall be taken from the Ministry.
12. 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 suggested safeguard measures in a time-bound and satisfactory manner.
13. This clearance letter is valid for a period of 10 years from the date of issue of this letter for commencement of construction work of the project.
14. A copy of the clearance letter shall be marked to concerned Panchayat/Zilla Parishad/ Municipal Corporation, Urban local body and local NGO, if any, from whom any suggestion/representations were received while processing the proposal. The clearance letter shall also be put on website by the project proponent.



15. State Pollution Control Board / Committee shall display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's / Tehsildar's Office for 30 days.

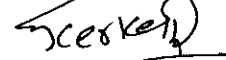
16. The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment, Forest & Climate Change at <http://www.moef.nic.in>.

17. After 5 years of the commissioning of the Project, a study shall be undertaken regarding impact of the project on the environment and downstream ecology. The study shall be undertaken by an independent agency, decided in consultation with the Ministry.

18. The project proponent shall also submit six monthly reports on the status of compliance of stipulated EC conditions including the results of monthly monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF&CC, Chennai.

19. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days from the date of issue, as prescribed under Section-16 of the National Green Tribunal Act, 2010.

Yours faithfully,

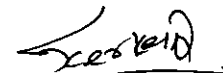


(Dr.S. Kerketta)

Director

Copy to:

1. The Secretary, Ministry of Water Resources, RD & GR, Shram Shakti, Bhawan, Rafi Marg, New Delhi 1.
2. The Special Chief Secretary, Irrigation & CAD Department, Government of Telangana, 5th Floor, B- Block, Secretariat, Hyderabad – 500 001.
3. The Principal Secretary, Environment, Forests, Science and Technology Department, Government of Telangana, 3rd Floor, D- Block, Secretariat, Hyderabad-500 001.
4. The Chief Engineer, Project Appraisal Directorate, Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi-110066.
5. The Addl. PCCF (Central), Regional Office (SR), Ministry of Environment, Forest & Climate Change, Regional Office (SEZ), 1st and 2nd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 600034.
6. The Member Secretary, Telangana State Pollution Control Board, Payavaran Bhawan, Industrial Estate, Sanath Nagar, Hyderabad.
7. Guard file/Notice Board.



(Dr.S. Kerketta)

Director