



**State Environment Impact Assessment Authority, M.P.**  
**(Government of India, Ministry of Environment, Forest & Climate Change)**  
Environmental Planning Coordination Organization  
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No: *BO* /SEIAA/2022

Date: *9/4/22*

To,

Exécutive Engineer,  
Water Resource Département,  
Water Resource Division,  
Khandwa, MP

**Sub: Case No. - 9061/2022:** Environment Clearance for Environment Clearance for Aulliya Medium Irrigation Project at Village Roshani / Aulliya, Dist. Khandwa, MP Cultivable Command Area – 5000 ha, Gross Command Area – 42000 ha ; Earthen bund of maximum height as 22.90 M Gross Command Area 7500 ha; Catchment Area : 108.208 Sq km by Exécutive Engineer, Water Resource Département, Water Resource Division, Khandwa, MP E-mail: encwrbl@mp.nic.in Ph no. – 0755-2552878- **Prescribing of TOR.**

**Ref: -** Online Proposal No. SIA/MP/RIV/72501/2022 registered in MPSEIAA on 05.03.2022

1. The proposed Aulliya medium irrigation project has been planned to meet the drinking and irrigation water requirement of 13 villages falling in Khalwa tehsil of Khandwa district.
2. The project is designed to serve a culturable command area of 5000 ha through lift irrigation during rabi season.
3. To meet the water storage requirement, the project envisaged construction of a 1782 m long and 20.80 m high dam across Ghorapachhar river near Roshni village. This will create gross storage capacity of 26.246 MCM and live storage of 22.199 MCM.
4. The project is being implemented and operated by Water Resources Department, Madhya Pradesh.
5. Being an irrigation project with 5000 ha CCA, the project is covered under EIA notification, 2006 and prior environment clearance is applicable (Category B2).
6. Scoping clearance was accorded by SEIAA (Case No. 5584/2017) vide their letter number 544/PS-MS/MPPCB/SEAC/TOR(297)/2017 dated 13/12/2017.
7. Construction work at site started before obtaining prior environment clearance and therefore it is considered a case of violation as per EIA notification, 2006 including various amendments.
8. Till January 2021, when the work was halted at site substantial work has been completed.
9. Ministry of Environment Forests & Climate Change vide its OM dated 28/01/2022, has reinstated the Standard Operating Process (SOP) as per the order dated 09/12/2021 of Hon'ble Supreme Court of India.
10. Aulliya Medium irrigation Project falls under permissible project under EIA notification (Para 11, Step 3, Para B of SOP), therefore, Terms of Reference is requested.

The application was forwarded to SEAC for scoping so as to determine TOR to carry out EIA under violation as per MoEF & CC office memorandum dated

07.07.2021. The case was presented by the PP and their consultant in the SEAC- 560<sup>th</sup> meeting dated 12.03.2022. After deliberation, Committee considering the recent Gol, MoEF & CC, OM F. No. 22-21/2020-IA.III dated 07.07.2021 & Notification S. O. 1030 (E), dated 8<sup>th</sup> March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may be granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per OM F. No. 22-21/2020-IA.III dated 07.07.2021 & Notification S. O. 1030 (E), dated 8<sup>th</sup> March, 2018 along with standard TOR prescribed by the MoEF&CC.

After the recommendation of SEAC the case was considered in 714<sup>th</sup> SEIAA meeting dtd.24.03.2022 and decided to approve the ToR as recommended by SEAC in 560<sup>th</sup> meeting held on 12.03.22 and standard TOR prescribed by the MoEF & CC for conducting the EIA along with following additional TOR's and general conditions:-

1. Status report of construction and development work done so far.
2. Furnish details of CO<sub>2</sub> emission & quantification from different sources as DG sets and their management plan w.r.t. carbon foot print.
3. Project description, its importance and the benefits.
4. Under energy conservation plan detail-out solar light erection panels.
5. Project site detail (location, toposheet of the study area of 10 Km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
6. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
7. Land acquisition, R & R details; does issues of R&R appeared in H'ble High court has been resolved - status their of ?
8. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
9. Baseline environmental study for ambient air (PM10, PN2.5, SO<sub>2</sub>, NO<sub>x</sub> & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
10. Details on flora and fauna and socio-economic aspects in the study area.
11. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
12. Sources of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
13. Waste water management (treatment, reuse and disposal) for the project and also the study area
14. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
15. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.

16. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
17. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
18. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
19. Comprehensive Plantation scheme shall be discussed in EIA report.
20. Status of court case till date with all supporting document.
21. Dam break analysis shall be carried out.
22. Details of tree cutting proposed with their details inventory in forest area.
23. Details of trees to be felled in revenue area and how this issue will be addressed shall be discussed in the EIA report.

**The authority approve the ToR as recommended by SEAC and decided to issue additional TOR by incorporating following conditions for preparation of EIA report:**

- a) Submit the details of construction work.
- b) The adverse impact due to proposed project should be assessed and effective mitigation steps to abate these impacts should be described.
- c) Plan for Green Belt Development along the periphery of reservoir, colonies, approach road, canals etc. to be prepared in consultation with the state Forest Department.

#### **General Conditions**

- ✓ The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
- ✓ During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
- ✓ An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
- ✓ An inventory of flora & fauna based on actual ground survey shall be presented.
- ✓ Risk factors with their management plan should be discussed in the EIA report.
- ✓ The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
- ✓ The EIA document shall be printed on both sides, as far as possible.
- ✓ All documents should be properly indexed, page numbered.
- ✓ Period/date of data collection should be clearly indicated.
- ✓ The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
- ✓ The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
- ✓ The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing(if applicable) with the generic structure as detailed out in the EIA report.
- ✓ Grant of TOR does not mean grant of EC.
- ✓ The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the

sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.

- ✓ On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
- ✓ While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
- ✓ All the necessary NOC's duly verified by the competent authority should be annexed.
- ✓ PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
- ✓ The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
- ✓ A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
- ✓ The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
- ✓ EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
- ✓ The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
- ✓ Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
- ✓ PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
- ✓ In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
- ✓ Under CER scheme commitments with physical targets shall be included in EIA report for:
  - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
  - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
  - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.

- ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
- ✓ Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
  - ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
  - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  - ✓ Commitment that high density plantation (preferably using "Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation through concern GCF (social forestry) or concerned DFO or any other suitable agency.
  - ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
  - ✓ PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
  - ✓ Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, minimum 50 saplings be planted considering 80% survival.
  - ✓ Adequate provisions of water for irrigating plantation shall be made by PP.

FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.

1. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
2. Detailed analysis of availability and quality of the drinking water resources available in the block.
3. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
4. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.

**Documents to be submitted:**

Environmental Consultant / PP

- I. A certificate from the Consultant shall be submitted that they have been accredited by MoEF (Gol), as per their OM.
- II. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
- III. Location of National Parks, Sanctuaries, biosphere Reserves, Wildlife corridors, Tiger reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated. A location map duly authenticated by Chief Wild life Warden and recommendation/ comments of Chief Wildlife Warden of concerned district should also

be provided in this regard. DFO letter indicating the distances of nearest forest boundary from the boundary of the proposed site.

- IV. Land documents of the proposed site with clarity of landownership.
- V. NOC from Gram Sabha if located in scheduled notified area.

**Validity –**

- I. The TORs prescribed for the project will be valid for a period of four years for submission of EIA and EMP report accordingly, the TORs will lapse after 23/02/2027.

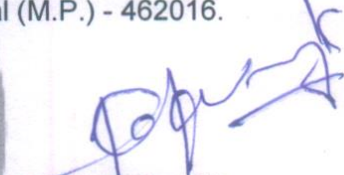
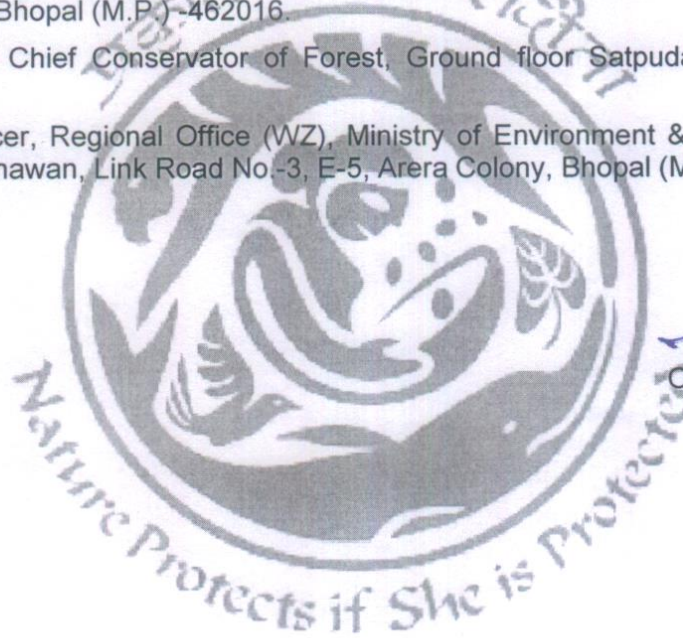


**(Shriman Shukla)**  
Member Secretary

81/9/4/22

**Copy to:-**

1. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
2. Member Secretary, Madhya Pradesh Pollution Control Board, E-5 Paryavaran Parisar, Arera Colony Bhopal (M.P.) -462016.
3. The Principal Chief Conservator of Forest, Ground floor Satpuda Bhawan, Bhopal (M.P)
4. Regional Officer, Regional Office (WZ), Ministry of Environment & Forests, Kendriya Paryavaran Bhawan, Link Road No-3, E-5, Arera Colony, Bhopal (M.P.) - 462016.
5. Guard File.



**(Alok Nayak)**  
Officer-In-Charge