



**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: 1910 /SEIAA/2022

Date: 26/10/22

To,  
Executive Engineer,  
Narmada Development Division No. 08,  
Sanawad, Dist. Khargone, MP.

**Sub: Case No. 9292/2022** Prior Environment Clearance for Sanwer Micro Lift Irrigation Scheme at Village - Kandiyakund, Tehsil - Badwah, Dist. Khargone, MP . CCA: 80,003 ha. GCA: 1,20,401 ha., Benefitted Villages: 272 Nos., Executive Engineer, Office of the Executive Engineer, Narmada Development Division No. 08, Sanawad, Dist. Khargone, MP. Email - [nddnp8snd@gmail.com](mailto:nddnp8snd@gmail.com), Phone - 07283-233466 Env. Con. -M/s. R. S. Envirolinks Technologies Pvt. Ltd. Gurgoon.- **Prescribing of TOR.**

**Ref: -** Online Proposal No. SIA/MP/RIV/72188/2022 registered in MPSEIAA on 06.09.2022

1. यह एक माइक्रोलिफ्ट सिंचाई योजना है जिसमें सीसीए 80,003 हेक्टेयर और जीसीए 1,20,401 हेक्टेयर शामिल है। Lifting location OSP reservoir है जो की खरगोन जिले में है, Command area इंदौर, खरगोन और उज्जैन जिलों में है।
2. ईआईए अधिसूचना 2006 और उसके बाद के संशोधनों के अनुसार, सिंचाई परियोजनाओं को मद 1(सी) में सूचीबद्ध किया गया है। उक्त परियोजना 80,003 हेक्टेयर कमांड क्षेत्र है, लेकिन इसमें कोई जलमग्न या अंतर-राज्यीय डोमेन शामिल नहीं होने के कारण श्रेणी बी 1 के अंतर्गत SEIAA/SEAC द्वारा विचार किया जा रहा है।
3. राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की 594वीं बैठक दिनांक 21.09.2022 में उक्त प्रकरण में ToR जारी किये जाने हेतु अनुशंसा की गई है। जिसका विवरण उक्त बैठक के कार्यवाही विवरण के पृ.क्र. 09 से 10 पर अंकित है।
4. प्रस्तावित परियोजना से इंदौर, खरगोन और उज्जैन जिले के 272 गांव लाभान्वित होंगे -

S.No.	District	Tehsil	Total Number of Villages
1	Indore	Sanwer (102) & Indore (80)	182
2	Khargone	Barwah	80
3	Ujjain	Ujjain	10
Total			272

5. परियोजना विवरण :

<b>Irrigation</b>	
Gross Command Area (GCA)	1,20,401 ha
Culturable Command Area (CCA)	80,003 ha
Crop	Rabi - 100% (80,003 ha)
<b>Water Utilization</b>	
Discharge	31.0 cumec

Irrigation	28.0 cumec
Industrial	1.50 cumec
Domestic	1.50 cumec
Estimated life of the project	50 Years
Pump Head	Total head – 420m (630-210m)
Distribution system	Piped distribution up to 2.5 Ha (HDPE/MS Pipe)
Power Requirement	155.36 MW
<b>Cost</b>	<b>Rs. 3046.65 Crore</b>

6. राइजिंग मेन्स एवं ग्रेविटी मेन्स बिछाने के लिए, लगभग 106 हेक्टेयर वन भूमि एवं 48 हेक्टेयर निजी भूमि की अस्थायी रूप से आवश्यकता होगी।

The application was forwarded to SEAC for scoping so as to determine TOR to carry out EIA. The case was presented by the PP and their consultant in the SEAC- 594<sup>th</sup> meeting dated 21.09.2022. After presentation, committee decided to recommend standard TOR prescribed by MoEF & CC with additional TOR. After the recommendation of SEAC the case was considered in 751<sup>th</sup> SEIAA meeting dtd. 14.10.2022 and decided to approve the ToR as recommended by SEAC in 594<sup>th</sup> meeting held on 21.09.2022 and standard TOR prescribed by the MoEF & CC for conducting the EIA along with following additional TOR's and general conditions:-

1. In EIA report details about existing and proposed National Parks such as Omkareshwar National Parks and their wild life management plan shall be discussed.
2. Details of temporary R&R (if any) shall be discussed in the EIA report.
3. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
4. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
5. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
6. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
7. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
8. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
9. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
10. 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.
11. Muck management plan wrt mechinary deployment and movement of trucks shall be discussd in the EIA report.
12. An inventory of flora & fauna based on actual ground survey shall be presented.
13. As forest land is involved in the project FC stage to be clarified with supporting documents alongwith catchment area improvement and natural drainage protection plan shall be discussed in the EIA report.
14. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
15. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
16. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.



**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) परियोजना क्षेत्र के Up Stream व Down Stream में पानी की उपयोगिता का विवरण EIA Report में सम्मिलित करें।
- b) प्रस्तावित कमांड क्षेत्र में भूजल स्तर में उतार-चढ़ाव की स्थिति एवं कमांड क्षेत्र में प्रस्तावित विकास योजना (Development Plan) का विवरण दें।
- c) सिंचाई के अंतर्गत लवणता/क्षारीयता को रोकने के लिये प्रबंधन
- d) ईंधन के संरक्षण हेतु प्रबंधन योजना सब्सिडी वाला ईंधन प्रबंधन योजना प्रस्तुत करें।
- e) राज्य वन विभाग के परामर्श से प्रतिपूरक वनरोपण (Compansatory Plantation) योजना यदि पेड़ काटे जाते हैं और हरित पट्टी विकास योजना की विस्तृत रिपोर्ट EIA में सम्मिलित करें।

#### **General Conditions**

1. 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.
2. 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.
3. 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.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. 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.
12. 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.
13. Grant of TOR does not mean grant of EC.
14. 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.
15. 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.
16. 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.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
  18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
  19. 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.
  20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
  21. 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.
  22. 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.
  23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
  24. 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.
  25. 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.
  26. 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).
  27. 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.
  28. 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 CCF (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 (GoI), 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 13/10/2027.

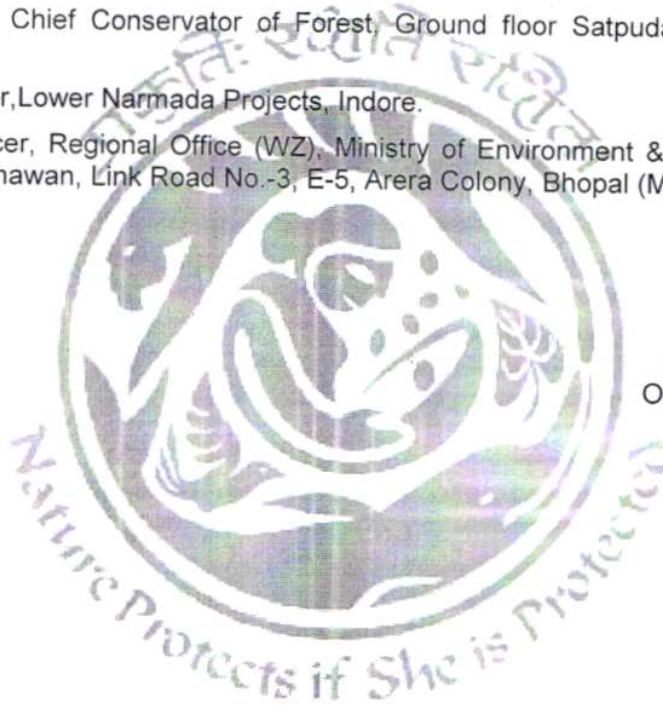
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**(Shriman Shukla)**  
Member Secretary

Copy to: *1911*

*26/10/22*

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 Collector Dist. Khargone, MP
4. The Principal Chief Conservator of Forest, Ground floor Satpuda Bhawan, Bhopal (M.P)
5. Chief Engineer, Lower Narmada Projects, Indore.
6. Regional Officer, Regional Office (WZ), Ministry of Environment & Forests, Kendriya Paryavaran Bhawan, Link Road No.-3, E-5, Arera Colony, Bhopal (M.P.) - 462016.
7. Guard File.



*[Signature]*  
**(Alok Nayak)**  
Officer-In-Charge

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