



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Madhya Pradesh)

To,

The EE
EE ND DIVISION NO NINETEEN BHIKANGAON
Bhikangaon -451331

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MP/RIV/60736/2021 dated 07 Mar 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---------------------------------------|
| 1. EC Identification No. | EC22B003MP174745 |
| 2. File No. | 8258/2021 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including Schedule No. | 1(c) River Valley projects |
| 6. Name of Project | Khalwa Lift Micro Irrigation Scheme |
| 7. Name of Company/Organization | EE ND DIVISION NO NINETEEN BHIKANGAON |
| 8. Location of Project | Madhya Pradesh |
| 9. TOR Date | 06 Apr 2021 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 09/04/2022

(e-signed)
Shriman Shukla
Member Secretary
SEIAA - (Madhya Pradesh)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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PARIVESH

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Ref: Proposal No. SIA/MP/RIV/60736/2021, Case No 8258/2021: Prior Environment Clearance Khalwa Lift Micro Irrigation Project at 59 Villages of Tehsil - Khalwa, Dist. Khandwa (MP) CCA of 35103 ha and GCA 47905 ha by Executive Engineer, Narmada Development Division No. 19, Jhirniya Road, Bhikangaon, Khargaone, Madhya Pradesh-451331 Email: khalwa35103@gmail.com Env't. Consultant : Forest Environment and Climate Change Management Consultancy Pvt. Ltd. Bhopal, MP

With reference to above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form -2, pre-feasibility report, EIA/EMP report, ppt and additional clarifications furnished in response to the observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- i. Khalwa Lift Micro Irrigation Scheme, EE NVDA Division 19: comprising of lifting of 11.25 cumecs water for irrigation in CCA of 35103 hectares and GCA of 47905 hectares from Submergence of ISP reservoir for providing water for Micro-irrigation up to 2.5-hectare chak with residual head of 23 meters at 2.5-hectare chak.
- ii. Lifting Point: ISP Reservoir Near Village Baidiyaw/Nandgaon The project has been conceived to cater irrigation water to about 59 villages in Khalwa Tehsil, District Khandwa (East Nimar).
- iii. The Project area lies in Near village Baidiyaw of Khalwa Tehsil and at Latitude 21°53'42.44"N and Longitude 76°39'57.95"E in Khandwa District.
- iv. As per Schedule of the EIA notification 2006 and subsequent amendments, irrigation projects are listed at item 1(c); projects with CCA > 50000 ha are category A projects and projects with CCA < 50000 ha and > 2000 ha are category B projects, which are further divided in B1 (CCA of less than 50,000 ha but greater than equal to 10,000 ha) and B2 (CCA of less than 10,000 ha but greater than equal to 2,000 ha).
- v. The project has a CCA area of 35103 ha therefore as per EIA notification 2006 and subsequent amendment dated 14th August 2018, it is a Category B1 project (having CCA >10000 ha and <50000 ha)" and hence shall be appraised by SEIAA/SEAC, Madhya Pradesh.
- vi. There is no wildlife sanctuary, National park (DFO letter dtd. 30.07.2020) or interstate boundary (PWD letter dtd. 19.03.20) within 10 km of the project area, hence general conditions are not attracted.
- vii. The case was considered in SEAC meetings 487th SEAC dated 05/03/2021 wherein ToR was recommended. TOR approved in 666 SEIAA meeting dated 17-03-21. TOR issued vide letter no. 292-93/SEIAA/21 dated 06-04-21
- viii. PP has submitted EIA report on 09.03.22 and accordingly the case was considered in 560th SEAC meeting dated 12.03.22 and recommended for grant of prior EC subject to special conditions.
- ix. Land Requirement for the proposed project
 - The topo sheet study reveals that total 44.46 Km Rising Main lay in private, Forest or Govt. Land.
 - The pipe shall be laid minimum 1.00 m. below average ground level. Hence no land for pipes shall be acquired permanently, except for Pumphouses . Temporary Land acquisition for pipe line laying will be done as per duct act.
 - For construction of pump houses, and distribution chamber of the Scheme, private land of about 3.2 Ha has been acquired.

- Forest land requirement would be 4.8 ha. for which they have applied vide online application no. FP/MP/IRRIG/125648/2021 dated 07/10/2021 for Forest Clearance and is under consideration.

x. Water Availability

- The NWDT Award covers allocation of water to the party States, FRL of Sardar Sarovar and Narmada Sagar Dams, Full Supply Level of Narmada Main Canal, sharing of cost and benefits, regulated releases to be made by MP and Madhya Pradesh State was allotted 18.25 MAF of water by NWDT and out of this 12.10 MAF has been utilized by Madhya Pradesh. In this project 116.64 Mcum water will be utilized.
- Power consumption (including all types of power) in the whole system should not exceed 31.04 MW at the time of commissioning and 32 MW in 15 years lifetime.
 - Project Benefits - The project will bring water to 59 villages of Khalwa Tehsil, District Khandwa (East Nimar), which are presently water scarce and cannot irrigate their land efficiently due to shortage of water. The project will bring direct environment and social benefits, which in turn will bring prosperity to the area and increase spending power of farmers, bringing economic benefits to the region.
 - Public Hearings for the Khalwa Micro Lift Irrigation Scheme were conducted by Madhya Pradesh State Pollution Control Board (MPSPCB) on 5th January 2022 at Gram Panchayat Office Village Khalwa, Tehsil Khalwa, and District Khandwa. Meeting was chaired by Additional District Magistrate, Khandwa District.
 - Compensatory afforestation & green belt development
 - 4.8 ha of forest land will be diverted; for which compensatory afforestation will be carried out as per FCA.
 - In addition, plantation in 87.75 hectare (0.25% of command) in several patches in government land is proposed.
 - The species to be planted will be chosen in consultation with local villagers and will be site specific. Suggested species for plantations are Teak, Dhawda, Sisham, Bamboo, Siras, Amaltas, Karanj, Neem, Sagon, Aonla, Mahua, Khair, Babool etc.
 - The plantations will be done by forest wing of NVDA. These plantations will be maintained for five years & will be handed over to Panchayat for management.
 - Environmental measures for land, Air, water, noise etc has been incorporated in the EIA report.
 - The total Cost of the project is 719.63 Crores.
 - Under CER following physical target based activities based on public hearing has proposed by PP :
 - Supplementary nutrition food will be supplied to all Anganwadi covered in the command area for which provision of 10.0 Lakhs will be made under public health delivery system.
 - Awareness for local hygiene and social activities in registered Gaushala (Devi Ahliya Mata Gaushala, Village – Pedmi, Dist.- Indore) (Rs. 2.5 lakhs).

Based on the information submitted at Para i to xvii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 714th meeting held on 24.03.2022 and decided to accept the recommendations of 560th SEAC meeting held on dated 12.03.2022.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA Notification dtd. 14th September 2006 & its amendments to the proposed Khalwa Lift Micro Irrigation Project at 59 Villages of Tehsil - Khalwa, Dist. Khandwa (MP) CCA of 35103 ha and GCA 47905 ha by Executive Engineer, Narmada Development Division No.

19, Jhirniya Road, Bhikangaon, Khargaone, Madhya Pradesh-451331 subject to the compliance of the Standard Conditions and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA

1. PP should ensure not to start any construction activities in forest land area without obtaining forest clearance from MoEF&CC, Gol and same be submitted to SEIAA within stipulated period of time as per MoEF&CC OM dated 09/09/2011 and its amendments OM dtd. 19.03.13.
2. A grievances redress mechanism is to be devised by NVDA GoMP and put in place so that aggrieved PAFs and other stakeholders may approach the Authority easily for resolution of any dispute/conflict.
3. PP shall ensure that, land required for the proposed project is acquired and possession is taken only after payment of compensation to the land holders as per the provision of the Right to fair compensation and transparency in land acquisition Act amended from time to time.
4. No additional land shall be used/acquired for any activity of the project without obtaining proper permission.
5. PP to take utmost precaution for health and safety of the people working in the project as also for protecting the environment.
6. In the event of the failure of any pollution control system adopted by the project proponent, the project shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
7. A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
8. To enhance the natural environmental quality & aesthetics of project site, plantation, as proposed in the EMP Report shall be undertaken in 2.0 ha of area. Allocated grant for this purpose shall be fully utilized separately and not to be diverted for any other purpose.
9. Occurrence of stagnant pools/slow moving water channels during construction and operation of the project may provide 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 precaution, due to unforeseen 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. Also medical assistance to be provided to the affected people at the cost of the developer and appropriate health benefits may be initiated with the help of State Health Department. It is recommended that contractors should enforce standards, recommended by Occupational Safety and Health Administration (OSHA).
10. Regular monitoring of water quality (Surface and Ground) including heavy metals shall be undertaken in the project area and around the project area to ascertain the change, if any, in the water quality due to leaching of contaminants, if any, from the increased use of chemical fertilizers and pesticides.
11. PP should ensure the pumps and pump house building are designed in such a way that outside noise levels will not exceed the CPCB standards.

12. As alternate source of power PP should ensure to install required solar panels to proper running of Pump house.
13. The budgetary provisions for 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 update proportionately.
14. If marshy land create during operation period the adequate measure should be taken by PP.
15. The project proponent shall comply with the provisions contained in this Ministry's OM issued vide F.No. 22-65/2017-IA.III dated: 25 February 2021, as applicable, regarding Corporate Environment Responsibility and Environmental Management Plan.
16. The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018 regarding Corporate Environment Responsibility. The activities under CER shall be worked out as per the para no. (V) of the aforesaid OM and shall be restricted to the affected area around the project. The entire activities under CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half-yearly compliance report and to a District Collector.
17. PP should ensure to submit half yearly compliance report with photographs of plantation in MP-SEIAA. If PP is failed to upload or submit two consecutive half yearly compliance reports of EC conditions to concerned authority (SEIAA and Regional Office, MoEF& CC, Gol, Bhopal) than prior environmental clearance issued to PP will automatically be treated as cancelled/ revoked as per OM No. 930/SEIAA/2019 dated 30.05.2019 issued by MPSEIAA.

B. Specific Conditions as recommended by SEAC

I Statutory Compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project. (if any)
- ii. The project proponent shall obtain clearance from the National Board for Wildlife. (if any)
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of any schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee
- v. NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC. (If applicable)
- vi. Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crore. (If applicable)

II. Air quality monitoring and preservation

- i. Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA / Monitoring purposes.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply

prescribed standards.

- iii. Necessary control measures such as water sprinkling arrangements, etc. are to be taken up to arrest fugitive dust at all the construction sites.

III Water quality monitoring and preservation

- i. Mixed irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- ii. On Farm Development (OFD) works like landscaping, land leveling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report.

IV Noise monitoring and prevention

- i. All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time .

V Waste Management

- i. Approximately 1,71,775 m³ of muck will be generated along the pipeline length.
- ii. Almost 400 m³ of muck will be needed to manage on daily basis, fourtrucks and Five Trolleys along side by side with the excavation will be sufficient to manage the muck in multiple no. of trips.
- iii. Muck will be disposed off at nearby villages with due consent of local administration/gram panchayat. As the pipeline passes along the villages, villages will fall within 1-5 Km along the route of pipeline.
- iv. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics

VII Green Belt & Plantation

- i. Total of 2.0 ha. of green belt shall be developed, detailed plantation scheme will be prepared by implementing agency/ forest department and approved by competent authority. A provision of 100 Lakhs has been made under compensatory afforestation.
- ii. Plantation: - identification of areas/patches along with species will be done with the instruction of DFO Khandwa/Forest wing of NVDA.
- iii. Any plantation within the forest area shall be carried out with the consent of local DFO.
- iv. During excavation care will be taken that top fertile soil is kept aside and will not be used for filling the excavated area after laying pipe line. This top soil will be spread on adjoining farming fields with consent of farmers or alternatively will be used for green belt development.
- v. To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.
- vi. Compensatory forestation programme shall be implemented as per the approved plan which shall be monitored by M.P. Bio Diversity Board, Bhopal.

VIII EMP & CER

- i. A budgetary provision of Rs. 633.105 Lakha is made for Environmental Management Plan as capital and Rs. 715.067 Lakhs as recurring cost. Out of which
 - a provision of 100.0 Lakhs has been made under compensatory Afforestation, and

- Training to benefited farmers of command area for effective utilization of water will be provided for which provision of 64.46 Lakhs has been made under public awareness program.
- ii. Under CER following physical target based activities based on public hearing has proposed by PP :
 - Supplementary nutrition food will be supplied to all Anganwadi covered in the command area for which provision of 10.0 Lakhs will be made under public health delivery system.
 - Awareness for local hygiene and social activities in registered Gaushala (Devi Ahliya Mata Gaushala, Village – Pedmi, Dist.- Indore) (Rs. 2.5 lakhs).
- iii. Formation of Water User Association/Co-operative be made by involvement of the whole community be ensured for discipline use of available water for irrigation purposes.

X Miscellaneous

- i. Considering the shifting of huge volume of muck, which will be generated during the construction phase, project proponent shall construct pucca transportation road(s), from muck generation site(s) to the dumping site(s).
- ii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iii. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- iv. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company
- v. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- vii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- viii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- ix. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- x. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

Standard Conditions:


1. The Regional Office of MoEF, GoI, Bhopal & MPPCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact

Assessment Report, Environmental Management Plan and Monitoring Plan should be given to Regional Office, MoEF, Gol, Bhopal & MPPCB. The project proponent shall provide full cooperation during their inspection and all required documents/data to the officials.

2. The responsibility of implementation of environmental safeguards and RR plan rests fully with the NVDA GoMP and Government of Madhya Pradesh. The NVDA Government of Madhya Pradesh should also monitor implementation of EMP at regular intervals preferably at the level of Principal Secretary.
3. The monitored data for criteria pollutant levels, namely; SPM, RSPM, SO₂, NO_x (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the dam site in the public domain.
4. The Project Proponent has to upload soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1st June and 1st December of each calendar year on MoEF & CC web portal - <http://www.environmentclearance.nic.in/> or <http://www.efclearance.nic.in/> and submit hard copy of compliance report of the stipulated prior environmental clearance terms and conditions to the Regulatory Authority also
5. Adequate financial provision should be made in the total budget of the project for implementation of the above suggestion safeguard measures. The funds earmarked for environmental protection measures shall be kept in separate account and shall be fully utilized for the said purpose and not to be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, Gol, Regional Office located at Bhopal, CPCB & MPCB. In case of revision of the project cost due to price level change the cost of EMP shall also be updated proportionately and revised upwardly.
6. Water User Associated (WUA) Co-operative should have to be formed for efficient water use. Involvement of the community for disciplined and wise use of available waters should be ensured through training programme / effective interactive sessions.
7. The MP SEIAA or any other competent authority reserves the right to alter/modify or add additional, safeguard measures subsequently, if found necessary and to take action, including revoking of the clearance under provisions of the environment (Protection) Act 1986 to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
8. The Prior Environmental Clearance letter is valid for a period of 10 years from the date of issue of this letter for commissioning of the project.
9. A copy of the Prior Environmental Clearance issued by MP SEIAA shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat / Zila Parishad / Municipal Bodies as applicable, local NGO, if any, in addition to the associated Government Department from whom any suggestion / representations were received while processing the proposal and those responsible for controlling the proposed project, who in turn has to display the same for 30 days from the date of receipt. The clearance letter shall also be put on website by the project proponent.
10. 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.
11. The Project Proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of

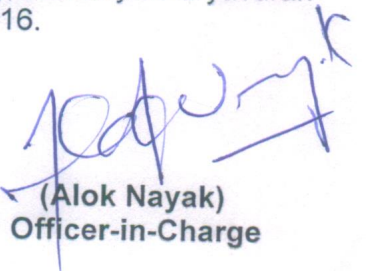
the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and copy the same shall be forwarded to the Regional Office, MoEF&CC, Gol, Bhopal.

12. 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 to be decided in consultation with the Ministry / authority.
13. Any other clearance required from any other organization / department should be obtained before commencement of works and commissioning of the project, as applicable.
14. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days from the date of issue, as prescribed under Section 10 of the National Green Tribunal Act 2010.


(Shriman Shukla)
Member Secretary

Copy to:-

- (1). Principal Secretary, Department of Environment., Government of MP, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, Distt- Khargone (M.P.).
- (5). The Principal Chief Conservator of forest, Ground floor Satpuda Bhawan, Bhopal (M.P)
- (6). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003
- (7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (8). Guard file.


(Alok Nayak)
Officer-in-Charge