



State Environment Impact Assessment Authority, M.P.
(Ministry of Environment, Forest and Climate Change, Government of India)

Environmental Planning & Coordination Organization

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To,
Executive Engineer,
Narmada Development Div. No. 28,
Punasa, District-. Khandwa,
MP-450114

No.: 1502 /SEIAA/

Date: 19.7.2021

Sub: Case No. 6996/2020: Prior Environment Clearance for ISP - Parwati Micro Lift Irrigation Scheme, Phase III & IV(Pipeline), Division Dewas ,CCA -1,00,100 ha., and benefit 221 villages of District Sehore, (Tehsil Astha, Icchawar, Sehore & Shyampur) District Shajapur (Tehsil Kalapipal & Shujalpur) and District Bhopal (Tehsil Bhopal & Huzur) by Executive Engineer, Narmada Development Div. No. 28, Punasa, Dist. Khandwa, MP, E-mail: eendd28punasa@gmail.com Phone - 07323-288062 Environment Consultant: R S Envirolink Technologies Pvt Ltd, Gurgaon.

Ref: Your application (online proposal no. (SIA/MP/RIV/194410/21) dated 14.06.21 received in SEIAA office on 21.06.2021.

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 amendment, on the basis of the mandatory documents enclosed with the application viz., Form-I , pre-feasibility report, Form -2, EIA 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.

- The proposed project, ISP Parwati Phase III & IV Micro Lift Irrigation Scheme, is a Government of Madhya Pradesh lift irrigation project to provide irrigation water to 100100 ha of Culturable Command Area (CCA).
- Water will be lifted from ISP reservoir to irrigate a total of 1,00,100 ha of CCA on both side of Parwati river covering 221 villages of 8 tehsils of Sehore, Shajapur & Bhopal districts.
- The scheme is designed to lift 32.04 cumec of water from existing Indira Sagar Project reservoir in 5 stages by using 5 pumps houses through various combinations of twin line rising mains and gravity mains followed by distribution.
- Water will be distributed to command area upto 2.5 ha chak outlets by joining Rising mains and Gravity mains to the primary and secondary distribution networks.
- The scheme will benefit 221 villages of 8 Tehsils of Sehore, Shajapur & Bhopal districts.

1 of 15

Case No. 6996/2020

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

District	Tehsil	No. of Villages
Sehore	Astha	1
	Ichhawar	38
	Sehore	107
	Shyampur	2
Total Sehore		148
Shajapur	Kalapipal	62
	Shujalpur	4
Total Shajapur		66
Bhopal	Bhopal	4
	Hazur	3
Total Bhopal		7
Grand Total		221

vi. The Project consists of following Components:

- Pump Houses (5 nos.)
- Distribution Chambers (2 nos.)
- Sub station
- 132/11 KV Transmission line
- Gravity main (2 nos.) – Main line
- Rising main (5 nos.) - MS pipeline
- Branch mains (MS/DI/HDPE) up to 20 ha Chak
- Distribution Network (HDPE) from 20 ha chak to 2.5 ha chak
- Flow & Pressure Control Valves, Air valves.

vii. PP submitted that project is 5.70 kms away from the Kheoni WL Sanctuary and as per CCF, Bhopal letter no. 999 dated 08/06/21 the project is > 2.00 kms away from the notified ESZ of Kheoni WL Sanctuary.

viii. As per Schedule enclosed with the EIA notification of Sept 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).

The present case though has a culturable command area of 100100 ha but it does not involve any submergence or inter-state domain; therefore, scoping clearance was issued by SEAC and final appraisal shall be carried out by SEIAA as Category B1

ix. Scoping clearance for the project was recommended by SEAC during its 432nd meeting held on May 18, 2020 and letter was issued by SEAC vide letter No. 264/PS-MS/MPPCB/SEAC/432/2020 dated 17/06/2020 for 100000 ha CCA. Subsequently, Amendment to Scoping Clearance for Parwati III & IV MLIS (CCA 100100) recommended by SEAC during its 478th meeting held on February 01, 2021 and amended vide letter No. 159/PS-MS/MPPCB/SEAC/TOR (478)/2021 dated 16/02/2021 ToR issued for 100100 ha CCA.

x. PP has submitted the EIA report vide letter dated 14.06.2021 which was forwarded to SEAC vide letter no. 1282 dated 25.06.2021. Accordingly the case was considered in SEAC meetings 501st SEAC meeting dtd. 29.06.21 and is recommended for grant of prior EC subject to special conditions.

xi. Public Hearings for ISP Parwati Phase III & IV Micro Lift Irrigation Scheme were conducted by Madhya Pradesh State Pollution Control Board (MPSPCB) on 27th

March 2021, 30th March 2021, 31st March 2021 and 1st April 2021. Details are as follows:

27.03.2021	Gram Panchayat Bhawan Village Harangaon, Tehsil Khategaon, District Dewas
30.03.2021	Haat Ground near Government Middle School, Village Arniya Kalan, Tehsil Kalapeepal, District Shajapur
31.03.2021	Gram Panchayat Bhawan, Village Fanda, Tehsil Huzur, District Bhopal
01.04.2021	Gram Panchayat Bhawan Village Sonda, Tehsil & District Sehore

The Project proponent assured the local stake-holders that their grievances and logical demands shall be properly addressed as per prevalent norms and rules. The project proponent also stated to adhere to Environmental norms and standards in project activities.

Permanent Land Requirement

- xii. Permanent land would be required for the construction of pumping stations, Delivery chamber as valve chambers, switch yards and laying of rising main, gravity main, electrical lines.
- xiii. Total permanent land requirement has been worked out as 101.28 ha out of which 7.52 ha would be met by Private land, 5.30 ha by Government land and 88.452 ha by forest land.
- xiv. Proposals for diversion of 88.452 ha of forest land has been submitted vide reference no. FP/MP/IRRIG/45598/2020.

Temporary Land Requirement

• Land for Transmission Lines

132 kv & 33 kv power lines will be brought from Icchawar substation to pump houses, total length of the 132kv & 33 kv transmission lines are worked out as about 70.5 km. 3.75 Ha of forest land shall be acquired for laying of electrical transmission line.

• Temporary Land for Laying of Pipeline

The pipe shall be laid 1.20 m below average ground level and land will be restored immediately on completion of the work. Wherever, the pipeline/ transmission line will be pass through private land, temporary land acquisition will be done as per the applicable law. Total temporary land requirement is worked out as 4119.624 Ha.

- xv. NWDT assessed utilizable quantum of waters of Narmada at Sardar Sarovar Dam on the basis of 75% dependability was assessed on 34537.44 Mcum (28 MAF). Madhya Pradesh State was allotted 18.25 MAF of water in Narmada Basin by NWDT and out of this 12 MAF has been utilized by Madhya Pradesh and remaining 6.15 MAF is available for various schemes.

Out of balance water available, several schemes are designed including Parwati I&II, parwati III&IV, Kalisindh I, and Kalisindh II Irrigation projects each utilizing 0.27 MAF. Utilization of water for Parwati III & IV is 0.27 MAF, which will still leave a balance of 5.88 MAF for various other schemes.

- xvi. In micro lift irrigation schemes, air pollution occurs mainly during project construction phase. During operation phase, no major impacts are envisaged on air quality PP has proposed following mitigation measures:

- For all major construction activities, curtaining of the site will be done to protect the surrounding areas from dust emissions.
 - In addition, regular sprinkling of the water will be done on construction sites for dust suppression.
 - All construction equipment/machinery will be properly maintained and tuned to minimize emissions.
 - Mobile DG sets shall be used for lighting only during construction phase and they should meet emission and noise standards as per guidelines/standards issued by CPCB.
- xvii. Sources of noise will be the vehicles and equipment for excavation and construction. During operation phase, no major impacts are envisaged. PP has proposed following measures to control noise pollution:
- Contractors will be required to maintain proper functioning of equipment and comply with occupational safety and health standards.
 - DG sets will have a valid Type Approval Certificate and Conformity of Production certificate as per CPCB guidelines.
 - Workers in high noise area, will be provided with ear muffs and their use will be monitored. Workers exposure (time duration) to high noise will also be controlled.
 - Minimize the use of noise producing equipment during night hours to avoid the disturbance to locals and wild animals of surrounding area.
 - Vehicles to be equipped with mufflers recommended by the vehicle manufacturer.
- xviii. Regarding Impacts due to runoff from construction sites PP has submitted Water used in construction activities leads to wastewater generation with high suspended solids. Effluents due to washing from truck or equipment etc. would have high concentration of oil and grease. Conservation of water should be implemented at construction sites to minimize the generation of wastewater. Adequate care should be taken so that excess suspended solids in the wastewater are removed before these are disposed into water body or over land. Impacts on water logging and soil salinity are generally envisaged in flow irrigation schemes, however, no such impacts are envisaged due to micro irrigation.
- xix. For Management of Pipeline Leakage and Bursting PP has proposed as follows:
- The entire system is managed by SCADA (Supervisory Control and data Acquisition)
 - To prevent back pressure in case of electricity failure, depending upon surge analysis, single or combination of protection devices like One Way Surge Tank, Air Cushion Valves and Standing Pipes shall be used.
 - If any leakage/theft/bursting occurs; valves will automatically close
 - In the worst case scenario, only residual water present in the reach would drain off from the pipeline. Impact will be local flooding
 - A provisions of two chassis mounted dewatering pumps of adequate capacity has been made for the purpose of clearing the water logged areas during emergency.

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- xx. Total quantity of muck for disposal is calculated as 34.51 lakh cum.; which will be generated from a network of trenches with total length of 7459.27 Km. 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. The extra muck shall be laid in the undulating area of the connected villages with the consent of concerning Gram-panchayat or Janpad Panchayat.
- xxi. Construction activities are associated with 3 types of waste generation such as Construction and Demolition Waste, Hazardous Waste, Municipal Solid Waste from labour camps/colonies. PP has submitted following mitigation measures shall be adopted for waste management:
- Construction and demolition waste will be handled in line with the guidelines for handling such wastes given in Construction & Demolition Waste Management Rules, 2016.
 - Contractor will ensure that there is no littering or deposition of waste so as to prevent obstruction to the traffic or the public or drains.
 - Any hazardous waste generated at site such as waste oil, used batteries, empty barrels/containers/liners contaminated with hazardous chemicals/wastes and contaminated cotton rags or other cleaning materials, etc. shall be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
 - Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
 - Municipal Solid Waste generated from labour camps shall be disposed off at a designated place in consultation with the local authority.
- xxii. 88.452 ha of forest land will be diverted for which compensatory afforestation will be carried out as per FCA.
- xxiii. Plantation has been proposed in 250 ha in command area in several patches on government/private land. The schemes propose to construct, 5 pump houses. It is further proposed to landscape the area around the pump houses and plantation will also be carried out along the boundary of the pump houses. The budget has already been proposed under the head, Green Belt development will be used for the purpose.
- xxiv. During Public Hearing at Dewas and Shajapur, people have demanded employment, plantation, provision of drinking water and electricity and toilets in educational institutions located near gram panchayats. PP has proposed following under Local Area Development:-
- ITIs have been identified, two in each of the projects districts viz. Dewas, Shajapur Bhopal and Sehore. A budgetary provision of Rs. 25.00 lakh each has been made, totalling Rs. 2.00 crore for 8 institutes for expansion of their infrastructure and training staff. Local youth from the region will be encouraged to join the centres for skill development for suitable employment opportunities in this as well many other similar projects of NVDA.

- For electricity and toilet in education institutes, a district level committee will be set up in each of the four districts with members from NVDA, district administration and representatives from affected villages.
- Committee will decide and prioritise the task of identifying the institutes where infrastructure needs to be upgraded. A budget of Rs. 1.00 crore has been provisioned under this head.
- As part of Local Area Development, villagers in command area will be provided with plants for lemon, moringa, jackfruit, etc. for local plantation. A budget provision of Rs. 25.00 lakhs has been made under this head to be utilised over a period of 5 years. Total budget proposed under CER/Local Area Development is Rs. 3.25 crore.

xxv. The total Cost of the project is 4131.66 Crores

Benefit of the project: Water for irrigation Improved quality of life, Marginal activities and jobs during construction phase, Employment opportunities to locals during operation phase with increased income of farmers.

Based on the information submitted at Para i to xxv above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 678th meeting held on 12.07.2021 and decided to accept the recommendations of 501st SEAC meeting held on dated 29.06.2021.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA Notification dtd. 14th September 2006 & its amendments to the proposed ISP - Parwati Micro Lift Irrigation Scheme, Phase III & IV(Pipeline), Division Dewas, CCA -1,00,100 ha., and benefit 221 villages of District Sehore, (Tehsil Astha, Icchawar, Sehore & Shyampur) District Shajapur (Tehsil Kalapipal & Shujalpur) and District Bhopal (Tehsil Bhopal & Huzur) by Executive Engineer, Narmada Development Div. No. 28, Punasa, Dist. Khandwa, MP, 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. 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.
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.

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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. PP should ensure to implement the activities as proposed under local area development plan such as, provision of drinking water and electricity and toilets in educational institutions located near gram panchayats as follows:
 - ITIs have been identified, two in each of the project districts viz. Dewas, Shajapur Bhopal and Sehore. A budgetary provision of Rs. 25.00 lakh each has been made, totalling Rs. 2.00 crore for 8 institutes for expansion of their infrastructure and training staff. Local youth from the region will be encouraged to join the centres for skill development for suitable employment opportunities in this as well many other similar projects of NVDA.
 - For electricity and toilet in education institutes, a district level committee will be set up in each of the four districts with members from NVDA, district administration and representatives from affected villages.
 - The task of identifying the institutes where infrastructure needs to be upgraded by using budget of Rs. 1.00 crore under this head.
 - As part of Local Area Development, villagers in command area will be provided with plants for lemon, moringa, jackfruit, etc. for local plantation. A budget provision of Rs. 25.00 lakhs has been made under this head to be utilised over a period of 5 years. Total budget proposed under CER/Local Area Development is Rs. 3.25 crore. The budget should be not diverted for other purposes.
 - The implementation of Local Area Development Plan (LADP) to be closely monitored.
9. Proposed Bio-diversity Conservation & Management Plan in EMP report should be implemented with State Forest Department. The allocated budget for this purpose shall be fully utilized and not to be diverted for any other purpose.
10. To enhance the natural environmental quality & aesthetics of project site, plantation, as proposed in the EMP Report shall be undertaken in 250 ha of area. Allocated grant for this purpose shall be fully utilized separately and not to be diverted for any other purpose. Plantation budget should be not included in LADP.
11. 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).



12. 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.
13. 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.
14. As alternate source of power PP should ensure to install solar panels to proper running of Pump house.
15. PP should ensure not to start any construction activities in forest land area without obtaining forest clearance from MoEF&CC, GoI 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.
16. An alternate route should be chalked out by the PP to avoid the forest area in case forest diversion is not granted.
17. PP shall ensure ground water quality should be maintained.
18. Impacts of Salinity in the irrigated area by drip irrigation should be properly examined and necessary action should be taken as and when envisaged.
19. Proper landscaping of the area in an around Pump houses should be done and implemented accordingly.
20. 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.
21. 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, GoI, 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. In case the forest clearance is denied, the PP will execute the project along an alternate alignment without involving diversion of forest land as per the plan submitted vide letter dated 29/06/21 in accordance with MoEF&CC notification dated 19/03/13 related to of linear projects such as roads, transmission lines, pipelines etc.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife. (if applicable).
- 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 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 M.P. Pollution Control Board.
- v. NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.
- vi. Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores.

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. be taken up to arrest fugitive dust at all the construction sites.

III Water quality monitoring and preservation

- i. Conjunctive use of surface water to be planned in the project to check water logging as well as to increase crops productivity. The field drains shall be connected with natural drainage system.
- ii. Explore the possibility of for providing water to Kheoni Wild Life Sanctuary in consultation with DFO, Dewas.
- iii. Remodeling of existing natural drains (link drains) and connecting them with irrigated land through constructed field drains, collector drains, etc. are to be ensured on priority basis.
- iv. Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.
- v. As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during peaking period, efforts be made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the project
- vi. Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheet be submitted to the Regional Office, MoEF & CC and to the CWC on weekly basis
- vii. 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.
- viii. 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 Catchment Area Treatment Plan

- iii. Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.

VI Waste Management

- i. Muck disposal (34.51 lakh cum) be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.
- ii. 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, Fisheries and Wildlife Management

- i. Based on the recommendation of Cumulative Impact Assessment and Carrying capacity study of river basin or as per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months, whichever value is higher, shall be released as environmental flow.
- ii. Detailed information on species composition particular to fish species from previous study/literature be inventorised and proper management plan shall be prepared for in-situ conservation in the streams, tributaries of river.
- iii. Biodiversity and Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented and executed with the local State Forest Department.
- iv. 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.
- v. Compensatory afforestation programme shall be implemented as per the submitted plan.
- vi. Medicinal Plants/Herbs/Shrubs (such as Khus slips) shall be planted along the underground pipeline wherever possible in consultation with local DFO.
- vii. Fish ladder/pass as envisaged in the EIA/EMP report shall be provided for migration of fishes. Regular monitoring of this facility be carried out to ensure its effectiveness.

Viii Public hearing and Human health issues

- i. Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
- ii. Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
- iii. Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases

- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.
- vi. All social activities conducted under CER shall be displayed on the company's website with three months interval and updated regularly.

IX EMP & Corporate Environment Responsibility

- i. A budgetary provision of Rs 1932.68 Lakh is made for Environmental Management Plan as capital cost and Rs 4265.18 Lakh as recurring cost.
- ii. Under Corporate Environment Responsibility (CER) programme apart from suggested activities also adopt skill development program as handicraft, pottery, sewing, embroidery training shall be provided to the local people in the beneficiary villages, in consultation with the concern Gram Panchayat.
- iii. CER activities in forest villages and project adjoining areas shall be conducted in consultation with State Forest Department.
- iv. 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, as applicable, regarding Corporate Environment Responsibility.
- v. Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation
- vi. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- vii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- viii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- ix. Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.
- x. Multi Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, State Forest Department etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.
- xi. 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.

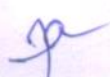


X Miscellaneous

- i. 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.
- ii. 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.
- iii. 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
- iv. 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.
- v. The project authorities must strictly adhere to the stipulations made by the M.P. Pollution Control Board and the State Government.
- vi. 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.
- vii. 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).
- viii. Concealing factual data or submission of false/fabricated data may result in revocation of environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- ix. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- x. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions
- xi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xii. 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, GoI, 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 Narmada Valley Development Authority (NVDA), Government of Madhya



- Pradesh should also monitor implementation of EMP at regular intervals preferably at the level of Principal Secretary.
3. Necessary livelihood plan for oustees is to be prepared, if found necessary, in consultation with State Government Departments concerned. The Narmada Valley Development Authority (NVDA), Government of Madhya Pradesh should submit compliance on this components & also while submitting six monthly compliance report to MoEF, GoI, Regional Office, Bhopal.
 4. 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.
 5. The equipment likely to generated high noise levels during construction period or otherwise shall have to meet the ambient noise level standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000 as amended from time to time under the Environment Protection Act (EPA), 1986. Workers shall be provided with ear plugs / muffs.
 6. The Project Proponent has to submit half yearly compliance report of the stipulated terms and conditions in the Prior Environmental Clearance, including the results of monitored data in hard and soft copy to the Regulatory Authority, respective Zonal Office of CPCB and the SPCB and Regional Office of MoEF, GoI at Bhopal on 1st June and 1st December of each calendar year.
 7. 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, GoI, 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.
 8. 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.
 9. On-farm development (OFD) works are to be completed by the project proponent simultaneously and before the commencement of irrigation. WUA's (Water Users Associations) should be made functional to undertake the OFD works. Special & critical monitoring of progress to be undertaken by the Narmada Valley Development Authority (NVDA).
 10. 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.
 11. 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.
 12. 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.

13. 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.
14. 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, GoI, Bhopal.
15. 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.
16. A multi disciplinary committee (MDC) for monitoring the implementation of environmental safe guards during construction shall be constituted by the project proponent (PP) in consultation with the state environment ministry as early as possible. A panel may be proposed by the PP and submitted to ministry. The Project Proponent shall organize six monthly meetings of the committee and submit the monitoring report to the ministry.
17. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.
18. Any other clearance required from any other organization / department should be obtained before commencement of works and commissioning of the project, as applicable.
19. 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.

1503
Endt No. / SEIAA/ 2021

Dated 19.7.2021

19/07/21
(Shriman Shukla)
Member Secretary

Copy to:-

- (1). Principal Secretary, Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). 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- Sehore (M.P.).
- (5). The Collector, Distt- Shajapur (M.P.).
- (6). The Collector, Distt- Bhopal (M.P.).
- (7). The Chief Engineer, Lower Narmada Project Scheme No. 74 B.G. sector, Narmada Bhawan Indore -452010 (MP)
- (8). Director, I.A. Division, Monitoring Cell, MoEF, GoI, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (9). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (10). Guard file.



(Alok Nayak)
Officer-in-Charge

