



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 Valley Development Authority
O.S.P. Canal Division Dhamnod
District- Dhar (MP)

No.: 1311 /SEIAA/

Date: 30.6.21

Sub: Case No. 7880/2020: Prior Environment Clearance for Badnawar Micro Lift Irrigation Scheme District-Dhar (MP) Lifting Point:, near Nimbola Village Tech. (Dharampuri) District-Dhar Culturable command area (CCA): 50000 ha Gross command area (GCA) : 74875 ha by Executive Engineer, NVDA O.S.P. Canal Division Dhamnod through Chief Engineer, Lower Narmada Projects, Scheme No. 74 B.G. sector, Narmada Bhawan Indore -452010 E mail celnpindore@gmail.com Phone - 07283-233440 Environment Consultant: R S Envirolink Technologies Pvt Ltd, Gurgaon.

Ref: Your application (online proposal no. (SIA/MP/RIV/56999/21) dated 24.03.21 received in SEIAA office on 27.03.2021.

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 -2, pre-feasibility report, EIP 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. The proposed project, Badnawar Micro Lift Irrigation Scheme, is a Government of Madhya Pradesh lift irrigation project to provide irrigation water to 50000 ha of Culturable Command Area (CCA) benefitting 127 villages in Badnawar (102) and Dhar (25) tehsils of Dhar district. Water will be lifted from Narmada river.
- ii. The project is a lift irrigation scheme; consisting of lifting water from Narmada River and distribution through a pressurized piped system to cultivators for irrigation during Rabi season. Water will be supplied upto 2.5 ha chak size under adequate pressure (minimum 23m head) for drip/sprinkler system to be installed by cultivators.
- iii. The Project consists of piped system with Supervisory Control and Data Acquisition (SCADA) and have following Components:
 - Pump Houses (5 numbers)
 - Rising mains – (60.20 km total length)
 - Distribution Network (HDPE) from 20 ha chak to 2.5 ha chak
 - Flow & Pressure Control Valves, Air valves
 - Power Transmission Line

1 of 12

Case No. 7880/2020

Issued vide letter no. dated

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

IV. In this Scheme water will be lifted from Narmada River by pumping station PS1, near Nimbola village; to other pumping locations to reach the higher elevations in command area of 50,000 ha in Badnawar and Dhar Tehsils of Dhar district. PF has proposed to lay 60.20 Km (total) long rising main with MS pipe of 3200 mm diameter to deliver 16.02cumecs water from PS1 to PS5 and further distributed from distribution chamber (DC).

V. There is no wildlife sanctuary, National park (DFO letter dtd. 22.09.2020) and interstate boundary (PWD letter dtd.08.08.20) within 10 km of the project area, hence general conditions is not attracted.

VI. No archaeological monument of national importance lies either in the project area or in its submergence area. There is also no structure of national heritage in the area.

VII. 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).

VIII. The present case 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. Therefore, Scoping clearance for the project was recommended by SEAC during its 465th meeting held on November 11, 2020. The same was approved by SEIAA in its 645th meeting dtd.27.11.2020 and accordingly TOR letter was issued by SEAC vide letter No. 851/PS-MS/MPPCB/SEAC/465/2020 dated 09/12/2020.

X. Public Hearing meeting for the Badnawar Micro Lift Irrigation Scheme were conducted by Madhya Pradesh State Pollution Control Board (MPPCB) on 12th March 2021 at Government Secondary School, Village Kanvan, Tehsil Badnawar, District Dhar, Madhya Pradesh.

The Project proponent assured the local stake-holders that their grievances and logical demands shall be properly addressed as per prevalent norms and standards in project activities. The respondents were also assured that compensation for land will be paid as per govt. norms.

XI. Permanent land requirement has been worked out as 41 ha - 2 ha private land, 4 ha government land and 35 ha of forest land.

- Permanent land would be required for the construction of pump-houses, sub-stations, valve chambers, and laying of pipeline/transmission line. Proposal for diversion has been submitted vide reference no. FP/MP/RRIG/118716/2021 which is under process of approval. Around 14.50 Km of rising main will pass through forest area.
- PP has submitted Diversion of forest land got delayed due to Covid19 pandemic (second wave) and lockdown.
- 02 ha private land is required for PS3, located at Khasra number 64/1 and 64/2; village Latamali, tehsil and district Dhar. Request letter has been sent to collector for purchase of private land. The pipe shall be laid 1.00 m below average ground level hence no land for pipes shall be acquired permanently and temporary land acquisition will be done as per the applicable act.

- 132/33 KV dedicated transmission line is required to bring power to the pump-houses. Power line will be brought from nearest substation. Transmission line routes are planned in a manner so that these towers will not be erected on forest land, however in some part tower will be erected on forest land.

xii. In micro lift irrigation schemes, air pollution occurs mainly during project construction phase due to fuel combustion in various equipment, emission from various construction plants etc., Fugitive emissions from material handling and transportation.

During operation phase, no major impacts are envisaged on air quality. For control of air pollution 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.
- The entire contractor's vehicle should have valid PUC certificate and same condition may be enforced on transporters bringing in material for construction.
- Road damage caused by sub-project activities will be promptly attended to with proper road repair and maintenance work.
- Excessive soil on paved areas will be sprayed (wet) and/or swept and unpaved areas will be sprayed and/or mulched.
- All the construction workers and other staff, who get directly exposed to dust, should necessarily be provided with dust masks.

xiii. 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.
- Vertical turbine pumps will be installed in the pump houses. These pumps and the pump house buildings are designed to ensure that outside noise levels will not exceed the CPCB standards. Inside the pump house, for workers exposing to high noise levels for longer hours, earplugs will be provided to prevent impact on workers.

xiv. 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.

xv. Muck will be generated due to laying of underground pipeline. Total quantity of muck for disposal is calculated as 13.69 lakh cum.; which will be generated from a network of trenches with total length of 611.251 Km. PP has proposed the material dug out from the land of private cultivators will be spread on the cultivator's field after their consent. Surplus Muck will be utilised for construction of approach roads, village roads and bunds etc. The extra muck shall be laid in the undulating area of the connected villages with the consent of concerning Gram-panchayat or Janpad Panchayat.

xvi. 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.

xvii. Hazardous waste will be generated during construction and operation phase in the form of waste oil, clothes used for cleaning waste oil, empty containers, etc. quantum will be very small. Such waste will be segregated and sent to authorised vendors only.

xviii. The entire scheme has been planned for drip irrigation and there is no component of flood irrigation. The water will be supplied to the end users upto 2.5 ha chak size; thereafter farmers will install their own sprinkler systems. The system will be completely closed and SCADA controlled and therefore there will be minimum wastage of water. Farmers will be paying the water user charges and therefore wastage at farmers end will be minimum. The scheme is designed with a duty of 0.32 lps/ha to make it suitable for sprinkler and drip system and minimize wastage. PP has also submitted approved conceptual plan containing the design data of the entire system.

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.
- xx. The scheme is designed to use power of 101.25 MW. Power requirement has been assessed by optimizing the pumping requirement and use of energy efficient pumps. 132/33 KV dedicated transmission line will be laid to bring power to the pump-houses from the nearest sub-stations. In addition, power requirement for water distribution through SCADA system will be met through solar panel to be set up at every 20 ha chak i.e. 2500 solar panels will be installed.
- xxi. 35 ha of forest land will be diverted; for which compensatory afforestation will be carried out as per FCA.
- xxii. Plantation is proposed to be carried out in command area on an area of 125 ha (0.25% of Command area of 50,000 ha). The species to be planted will be chosen in consultation with local villagers and will be site specific. Suggested species for plantations are Teak, Dhāwda, Sisham, Bamboo, Siras, Amaltas, Karanj, Neem, Sagon, Aonla, Mahua, Khair, Babool etc. The plantation will be carried out by Forest wing of NVDA. A budget provision of Rs. 562.5 lakh has been made in EIA report.
- xxiii. Under the local area development plan no specific demand has been raised in Public Hearing except for plantation in the area. However, keeping in view the need assessed during field surveys, following specific activities are proposed.
- Plantation in Command Area on government land in tehsil Badanwar and Dhar on about 125 ha on several patches of government land; on land of willing farmers and avenue plantation on road-sides.
 - Primary health Centres located at Khiledi, Badwal, Labrawada, Biloda, Khadi villages of Dhar tehsil; following will be provided:
 - Repair and painting of building, Improvement of toilets (separate for male and female), Purchase of furniture, Drinking water arrangement including provision of water cooler
 - Strengthening of 3 Mobile Health Clinics located in villages namely Chandwada, Aahu, and Gardawad by providing funds for infrastructure
 - Health Camps – one each in tehsil Badnawar and Dhar
- xxiv. The total Cost of the project 1587 Crore.
- xxv. **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 xxiii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 677th meeting held on 25.06.2021 and decided to accept the recommendations of 496th SEAC meeting held on dated 03.04.2021.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA Notification dtd. 14th September 2006 & its amendments to the proposed Badnawar Micro Lift Irrigation Scheme District-Dhar (MP) Lifting Point:, near Nimbola Village Tech. (Dharampuri) District-Dhar Culturable command area (CCA): 50000 ha Gross command area (GCA) : 74875 ha by Executive Engineer, NVDA, O.S.P. Canal Division Dhamnod through Chief Engineer, Lower Narmada Projects, Scheme No. 74 B.G. sector, Narmada Bhawan Indore -452010subject to the compliance of the Standard Conditions and the

following additional Specific Conditions as recommended by SEIA & SEAC in its

A. Specific Conditions as recommended by SEIA

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.

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 Primary health Centres located at Khiledi, Badwal, Labrawada, Biloda, Khadi villages of Dhar tehsil; following will be provided:

- Repair and painting of building, Improvement of toilets (separate for male and female), Purchase of furniture, Drinking water arrangement including provision of water cooler
- Strengthening of 3 Mobile Health Clinics located in villages namely Chandwada, Aahu, and Gardawad by providing funds for infrastructure .
- Budget allocated for health camps shall be used for up gradation of the existing school/aanganwad! building at Khiledi, Badwal, Labrawada, Biloda, Khadi villages of Dhar tehsil as per need based of village Panchyat.

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 125 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 2500 solar panels as proposed 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. 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.
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, 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 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)
- ii. 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

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.

i. Resettlement & Rehabilitation plan be implemented in consultation with the State

VIII Public hearing and Human health issues

- iii. To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EEMP report. Plantation to be developed with local indigenous species in consultation with the local State Forest Department.
- ii. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
- i. Plantation area 125ha with 13750 number of saplings.

VI Green Belt and Wildlife Management

- 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/EEMP reports. Efforts be made to avoid one time use of plastics.
- i. Muck disposal (13.69 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.

V Waste Management

- 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.
- 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.

IV Noise monitoring and prevention

- ii. On Farm Development (OFD) works like landscaping, land levelling, 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/EEMP report.
- 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.

III Water quality monitoring and preservation

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

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. Emergency preparedness plan be made for any eventuality.

IX EMP & Corporate Environment Responsibility

- i. A budgetary provision of Rs. 1960.60 Lakhs is made for Environmental Management Plan. Capital cost Rs 695.10 lakhs and Rs. 1265.50 lakhs as recurring cost.
- ii. 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
- iii. The company shall have a well laid down environmental policy duly approved 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.
- iv. 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.
- v. 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.

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

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Standard Conditions:

- 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 State 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.

1. The Regional Office of MoEF, Gol, 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 Water Resources Department GoMP and Government of Madhya Pradesh. The WRD 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 Water Resources Department of Madhya Pradesh should submit compliance on this components & also while submitting six monthly compliance report to MoEF, Gol, 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 generate 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, Gol 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, 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.
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 Water Resources Department GoMP to ensure that OFD works are completed along with main canal networks.
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, Gol, 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.

(Shriman Shukla)
Member Secretary

[Signature]
30/06/21

Dated 30.6.21

Endt No. 1312 SEIAA/2021

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, Aera Colony Bhopal-462016.
- (3) Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Aera Colony, Bhopal-462016.
- (4) The Collector, Distt- Dhar (M.P.).
- (5) The Chief Engineer, Lower Narmada Project Scheme No. 74 B.G. sector, Narmada Bhawan Indore -452010 (MP)
- (6) Director, I.A. Division, Monitoring Cell, MOEF, Govt. 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

[Signature]