

768वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक
दिनांक 28/01/2025

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण, भोपाल से पर्यावरणीय स्वीकृति हेतु प्राप्त परियोजनाओं के तकनीकी परीक्षण हेतु राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 768वीं बैठक दिनांक 28/01/2025 को श्री राकेश कुमार श्रीवास्तव की अध्यक्षता में आयोजित की गई, जिसमें समिति के निम्नलिखित सदस्य स्वयं/वीडियो कॉन्फ्रेंसिंग के माध्यम से उपस्थित रहें :-

1. श्री विजय कुमार अहिरवार, सदस्य ।
2. डॉ. राकेश कुमार पाण्डे, सदस्य ।
3. डॉ. सुनीता सिंह, सदस्य ।
4. डॉ. सुशील मंडेरिया, सदस्य ।
5. श्री ए.ए. मिश्रा, सदस्य सचिव ।

सभी सदस्यों द्वारा अध्यक्ष महोदय के स्वागत के साथ बैठक प्रारंभ करते हुए बैठक के निर्धारित एजेण्डा अनुसार पर्यावरणीय स्वीकृति हेतु प्राप्त प्रकरणों का तकनीकी परीक्षण निम्नानुसार किया गया :-

1. **Case No P-2/53/2024 Shri G. N. Singh, Project Administrator, JERA MEDIUM IRRIGATION PROJECT, Department of Irrigation, Office of The Project Director Bina Project Management Unit, Water Resources Department, Sagar (M.P.) 474001. Prior Environment Clearance for Medium Irrigation Project is proposed to construct dam on Dhasan river near Village Jera in Tehsil Jaisinagar of District Sagar. Maximum height of the dam is 20.01 M and gross storage of the dam 24.78 MCM. Project will serve irrigation in CCA 5400 hectare irrigation in 22 nos. villages of District Sagar and 1 village of District Raisen. Submergence area of the project spread over Sagar and Raisen districts Cat. 1(c) River Valley Project. On-line Proposal No. SIA/MP/RIV/457425/2024.B-2 -Query Presentation.**

This is a Jera medium irrigation project. The project involving CCA > 2000 ha and < 10000 ha”, hence falls under category "B2" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA.

Earlier this case was discussed in the SEAC 725th meeting dated 20.02.2024. PP submitted following details on Praivesh portal 2.0.

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SN	Information Required	Details
1.	Project	SIA/MP/RIV/457425/2024. Fresh EC
2.	Project Name	Shri G N Singh, Project Administrator, JERA MEDIUM IRRIGATION PROJECT, Department of Irrigation, Office of The Project Director Bina Project Management Unit, Water Resources Department, Sagar (M.P.) 474001.
3.	Total Area	<i>Prior Environment Clearance for Medium Project is proposed to construct dam on Dhasan river near Village Jera in Tehsil Jaisinagar of District Sagar. Maximum height of the dam is 20.01 M and gross storage of the dam 24.78 MCM. Project will serve irrigation in CCA 5400 hectare irrigation in 22 nos. villages of District Sagar and 1 village of District Raisen. Submergence area of the project spread over Sagar and Raisen districts <u>Cat. 1(c) River Valley Project.</u></i>
4.	Description of Project.	Jera Medium Project is proposed to construct dam on Dhasan river near Village Jera in Tehsil Jaisinagar of District Sagar. Maximum height of the dam is 20.01 M and gross storage of the dam 24.78 MCM. Project will serve irrigation in CCA 5400 hectare by underground pressurized pipe sprinkler irrigation in 22 nos. villages of District Sagar and 1 village of District Raisen . Submergence area of the project spread over Sagar and Raisen districts comprises of Private Land 630.402 Hectare, Forest Land 25.2694 Hectare and Govt. Land 64.999 Hectare.
5.	Total Project Cost	17088 Lakhs.
6.	Forest Area applied for diversion (in Ha)	25.2694 ha.
7.	Declaration	Fresh EC Project.
8.	CCA	5400 hectare.
9.	Area proposed for green belt (in Ha)	21.8 ha.
10.	CTE/CTO Status	Will be obtained after EC.
11.	DFO NOC	Letter No. 5082 dated 01/09/2023.
12.	PWD distance letter	Letter No. 4097 dated 05/09/2023 Inter State Boundary distance -67.30 km.
13.	EMP/ Env. Con	Mr. Ravindra Bhatia, M/s R S Envirolink Technologies Pvt. Ltd. Gurugram. Valid up to 08/03/2026.
14.	PFR	Submit.

The case was presented by the Mr. Ravinder Bhatia, Env. Consultant from M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon (Haryana) along with PP Shri G.N. Singh, Administrator, JERA medium irrigation project with the following details of the project:

- “The project has a command area of 5,400 ha; therefore as per EIA notification of September 2006 and subsequent amendment dated 14th August 2018, it is a Category B2 project (Medium irrigation project having CCA > 2000 ha and < 10000 ha)” and hence shall be appraised by SEIAA/SEAC, Madhya Pradesh.
- This being B2 project; Scoping Clearance, Collection of baseline data and Public Hearing is exempt; Only Environment Management Plan needs to be prepared for appraisal.

PROJECT OBJECTIVE

- The project is planned by WRD, MP to provide **irrigation water** to Jaisinagar Tehsil of Sagar District and Begamganj Tehsil of Raisen District.
- The project is planned to cater irrigation water to **5400 ha of CCA in 22 villages in Jaisinagar Tehsil** of Sagar District and **1 village in Begamganj Tehsil** of Raisen District.
- The project involves construction of a dam across Dhasan river, to create gross storage capacity of 24.78 MCM and live storage of 24.153 MCM.
- The project area lies in Sagar and Raisen District.
- The proposed dam site is on Dhasan river near Jera village of Jaisinagar tehsil of Sagar district in Madhya Pradesh.
- Command area of 5,400 ha is spread in Jaisinagar tehsil of Sagar district and Begamganj tehsil of Raisen district.

PROJECT INDEX MAP

- Proposed dam is 2295 m long Dam with a maximum height of 20.01 m (from deepest foundation level).
- Water will be lifted through two rising mains of 23.56 km and then distributed by dishnets of 93.27 km.
- A total of 24.153 MCM of water will be lifted in this scheme during Rabi season only
- Water will be delivered upto 5 ha chak, beyond which cultivators will connect their own line and sprinkler system.

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Total land requirement of 720.6704 ha constitutes of:

- Government land: 64.999 ha
- Private land: 630.4020 ha
- Forest land: 25.2694 ha

S. No.	Project Component	Private Land (ha)	Government Land (ha)	Forest Land (ha)	Total (ha)
1	Dam Sheet	25.9773	4.5800	0.0000	30.5573
2	Spill Channel	11.3110	0.1000	2.1100	13.5210
3	Submergence Area	593.1137	60.3190	23.1594	676.5921
Total		630.4020	64.999	25.2694	720.6704

PP submitted that proposal for Stage-I clearance for diversion of 25.2694 ha forest land has been submitted to MoEF&CC vide Proposal No. FP/MP/HYD/IRRIG/430492/2023 dated 31/05/2023. Presently, the proposal is pending at DFO/CF/Nodal Officer after acceptance in PSC-I. Total 4 villages of Jaisinagar tehsil in Sagar district and 8 villages of Begamganj tehsil in Raisen district will be affected. Total 1443 land owners from these 12 villages will be losing land only due to submergence area, dam sheet and spill channel. No displacement is involved in the project. Total Forest land: 25.2694 ha out of total forest land , Protected Forest: 25.1333 Ha; Reserved Forest: 0.1364 Ha.

Tree Enumeration

- Out of the total 25.2694 ha of forest land required, 9.163 ha falls in Raisen division and rest 16.106 ha falls in South Sagar division.
- 9.163 ha of forest land required in Raisen division falls under Comp. PF-206, PF-209 and PF-211 of Modakpur beat.
- Total 63 trees will be affected due to acquisition of this 9.163 ha of forest land. Details are as below:
- Tree enumeration for Sagar division is yet to be done.

• Comp. No.	• Area (ha)	• Affected Trees		
		• Sagaun	• Satkat	• Total

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• PF-206	• 2.120	• 30	• 17	• 47
• PF-209	• 0.150	• 0	• 6	• 6
• PF-211	• 6.893	• 3	• 7	• 10
• Total	• 9.163	• 33	• 30	• 63

After presentation committee asked PP to submit response on following issues and revised/updated information in From-II, such as:

1. This project involves forest land of 25.2694 ha. hence, submit compartment-wise details of wild life, also submit latest wild life census report of the concerned compartments. (PP should refer District Forest Working Plan for conservation and protection of local flora and fauna.)
2. Study of Ecological damage and wild life conservation plan to be submitted by the PP.
3. CAT plan duly approved by concerned DFO shall be submitted by the PP.
4. Elaborate damage of flora and fauna with their conservation plan.
5. Furnish details of CO2 emission & quantification from different sources and their management plan w.r.t. carbon foot print.
6. प्रस्तावित परियोजना में वन क्षेत्र तथा कृषि क्षेत्र डूबने से मृदा के अंदर कार्बन स्टॉक का कितना क्षरण होगा उसकी गणना की जावे एवं उनको दूर करने के उपाय प्रस्तुत किये जावे।
7. कृषि भूमि का विवरण एवं खसरावार/भूमिस्वामीवार/कुल पौधे/तथा कटने वाले पौधों का विवरण प्रस्तुत किये जावे।
8. Eco- services system studies shall be carried out.
9. Catchment plan through forest department shall be carried out.
10. Under R&R plan no displacement proposed, submit details of farmer's lands which are submerging into the water.
11. List of farmers with details who are totally dependent for its livelihood on agricultur land and their land is coming under submergence. Such farmers shall be included in the R&R plan.
12. Submit muck management plan with propoer utilization.
13. Underground pipeline of 92.0 KM is proposed hence details to be mentioned regarding how many trees are affected / felled along with pipeline load status.
14. Proposed green area shall be depicted on the Map.
15. Disater management plan duly approved by the competent authority shall be submitted.

16. Detailed muck management plan considering machinery deployment, movement of trucks and cumulative effect on nearby environment.
17. The CER scheme with physical targets shall be approved by CEO Zila Panchayat. In the CER, overall budgetary provision and activities shall be incorporated as suggested by the committee.

In response to above queries, PP submitted the response of above quarries on-line on Parivesh portal and same was placed before the committee. The query reply was presented by the Mr. Ravinder Bhatia, Env. Consultant from M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon (Haryana) along with PP Shri G.N. Singh, Administrator, JERA medium irrigation project with point-wise reply which are as given below:

The project was earlier considered for EC in the 725th meeting of SEAC dated 20/02/2024 and additional data was sought by the committee which was responded on 02/09/2024. Additional data sought and responses are as under:

Issue 1:

This project involves forest land of 25.2694 ha. hence, submit compartment-wise details of wildlife, also submit latest wildlife census report of the concerned compartments. (PP should refer District Forest Working Plan for conservation and protection of local flora and fauna.)

Response: This forest land proposed for diversion falls under Raisen and South Sagar Territorial Forest Divisions. Divisional Forest Officer has confirmed that there are no wildlife present in and around the forest land proposed for diversion; as per the FC Form-A (Part II) filled.

Issue 2:

Study of Ecological damage and wildlife conservation plan to be submitted by the PP

Response: Study of Ecological damage and wildlife conservation plan was prepared and formed part of the EIA report. Plan has been prepared with a budget of Rs. 150.00 lakh. Plan is uploaded again on PARIVESH portal along with reply to SEAC queries.

Issue 3:

CAT plan duly approved by concerned DFO shall be submitted by the PP

Response: Catchment area of the project falls inside the catchment area of Banda Major Irrigation Project, a project which have been accorded EC and FC from MoEF&CC. CAT Plan of Banda Major Irrigation Project has been approved by the state forest department and the cost of CAT plan has been deposited in the CAMPA by the WRD. In view of this, PCCF (Land Management Section) in its Letter No. AF-3/106/2023/10-11/12/3803 dated 19/07/2024 has certified that CAT Plan for Jera Medium Irrigation Project is not required.

Issue 4:

Elaborate damage of flora and fauna with their conservation plan.

Response: Ecological damage and wildlife conservation plan was prepared and formed part of the EIA report. Plan has been prepared with a budget of Rs. 150.00 lakh. Plan is uploaded again on PARIVESH portal along with reply to SEAC queries.

Issue 5:

Furnish details of CO₂ emission & quantification from different sources and their management plan w.r.t. carbon foot print.

Response: During the construction period, about 5.5 tonnes of CO₂ emission is expected per day (2000 tonnes/annum) from the operation of construction machinery and equipment including increased vehicular movement. Measures suggested were elaborated in detail.

Issue 7:

Provide details of agricultural land as per Khasra / landowner / total plants and plants to be cut.

Response: Village wise list of agricultural land has been prepared for land owners as well as for total plants to be cut and uploaded in PARIVESH portal.

- There are 1443 landowners of private land.
- There are 4286 trees on private land – 1515 in Sagar district and 2771 in Raisen district; In addition, there will be 137 trees on forest land – 74 in Sagar and 63 in Raisen division.

Issue 8:

Eco- services system studies shall be carried out.

Response: The project integrates ecosystem services enhancement through multiple initiatives. It aligns with the Green India Mission (GIM) and references the World Bank's Ecosystem Services Improvement Project (ESIP). Proposed measures include afforestation (32,676 ha compensatory afforestation, 21.80 ha green belt, and 8,720 trees), energy conservation (solar cookers, lanterns, awareness programs), fisheries development, and soil-water conservation under the CAT plan. Additionally, farmer training, local youth skill development, and reservoir fisheries promotion will contribute to sustainable ecosystem services improvement in the project area.

Issue 9:

Catchment plan through forest department shall be carried out.

Response: PCCF (Land Management Section) in its Letter No. AF-3/106/2023/10-11/12/3803 dated 19/07/2024 has certified that CAT Plan is not necessary.

Issue 10:

Under R&R plan no displacement proposed, submit details of farmer's lands which are submerging into the water.

Response: Village wise details have been uploaded on PARIVESH portal.

Issue 11:

List of farmers with details who are totally dependent for its livelihood on agriculture land and their land is coming under submergence. Such farmers shall be included in the R&R plan.

Response: All the farmers are duly included in the R&R Plan. Village wise details was submitted

Issue 12:

Submit muck management plan with proper utilization.

Response: Muck Management Plan formed part of EMP report, covering:

- Construction of dam and
 - Laying of water conductor system for conveyance of water up to farm level
- Plan is uploaded again on PARIVESH portal along with response to queries

Issue 13:

Underground pipeline of 92.0 KM is proposed hence details to be mentioned regarding how many trees are affected / felled along with pipeline load status.

Response: Underground pipelines are laid in such a manner that no tree gets affected/felled, hence no tree will be affected/felled along the underground pipeline of 92.0 km.

Issue 14:

Proposed green area shall be depicted on the Map.

Response: Green belt is proposed along the periphery of reservoir covering an area of 21.80 ha and same is shown on map.

Issue 15:

Disaster management plan duly approved by the competent authority shall be submitted.

Response: Disaster Management Plan has been prepared as part of EMP. Plan was reviewed and accepted by WRD, Government of Madhya Pradesh, who will implement this project and also they have substantial experience of implementing and operating such projects. Once the project will reach operation stage i.e. dam will be completed and water storage initiated, the disaster management plan will be discussed with district authorities so that it is dovetailed with district disaster management plan.

Issue 16:

Detailed muck management plan considering machinery deployment, movement of trucks and cumulative effect on nearby environment.

Response: Detailed muck management plan has been given in response to issue no. 12.

Issue 17:

The CER scheme with physical targets shall be approved by CEO Zila Panchayat. In the CER, overall budgetary provision and activities shall be incorporated as suggested by the committee.

Response: The detailed CER scheme with physical targets and overall budgetary provision and activities as suggested by the committee was submitted to the CEO Zila Panchayat of Raisen and Sagar district for approval. The approval letters from the CEO Zila Panchayat of Raisen were submitted.

SEAC reviewed all the responses and found them satisfactory. The committee observed that the project involved Forest Land of 25.2694 ha and Stage-I forest

clearance for diversion of 25.2694 ha forest land has been accorded by Regional Office, MoEF&CC, Bhopal vide letter dated 31/10/2024 (Proposal No.: **FP/MP/HYD/IRRIG/430492/2023**). Total 4 villages of Jaisinagar tehsil in Sagar district and 8 villages of Begamganj tehsil in Raisen district will be affected under forest. Total 1443 land owners from these 12 villages will be losing land only due to submergence area, dam sheet and spill channel. No displacement is involved in the project. So far, PP has submitted Rs. 4969.08 in PD account of Collectorate of Sagar and Raisen District for private land acquisition.

SEAC observed that there is no Protected Area in the vicinity of the proposed project. Singhori Wildlife Sanctuary is located at a distance of 51 km from the project area; hence wildlife clearance is not applicable. Project is located approximately 67.30 km from the interstate boundary with Uttar Pradesh.

SEAC deliberated the following issues about the proposed project:

1. SEAC discussed the water availability in the area especially during non-monsoon months. SEAC was concerned that this being a dry area, there will be water shortage and during construction phase, construction water requirement will impact other users especially if the construction water will be drawn from ground. Project proponent explained that the contractor will build a coffer dam on river and store water, which will be used for construction purposes. Drawl of ground water will be kept to minimum during the construction phase.
2. SEAC enquired about the labour management plan and how the workers with families especially small children will be taken care of during construction period. SEAC further observed that provisions of creche is made for workers children, however, budget proposed seems to be inadequate.
3. Adequate provision for environmental flow (e-flow) must be ensured especially during lean season
4. The committee explored the possibility of utilizing solar power as a source of energy during the operation phase for pumping water for irrigation purposes in the command area. However, the project proponent informed that, due to the high power requirement for pumping, a large solar plant would be needed, which is beyond the purview and mandate of the Water Resources Department (WRD).
5. SEAC also enquired about the safety of the dam and what will happen in case of dam failure. Project proponent explained that dam designs are reviewed and approved by Office of the Chief Engineer Bureau of Design (Bodhi) Water Resources Department to ensure safety of the structures. Further, their consultant as part of EMP has carried out dam break modeling using MIKE 11 and inundation areas have been identified.

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On completion of construction of the project and before impounding, a detailed disaster management plan will be prepared and dovetailed with District Disaster Management Plan.

List of Benefitted Villages

S. No.	District	Tehsil	Name
1	Raisen	Begamganj	Mudiyachampat
2	Sagar	Jaisinagar	Jera
3	Sagar	Jaisinagar	Parasiya
4	Sagar	Jaisinagar	Richhai
5	Sagar	Jaisinagar	Midwasa
6	Sagar	Jaisinagar	Khaharmau
7	Sagar	Jaisinagar	Dewalchori
8	Sagar	Jaisinagar	Bansa
9	Sagar	Jaisinagar	Toda Tarafdar
10	Sagar	Jaisinagar	Padariya Kalan
11	Sagar	Jaisinagar	Sewan
12	Sagar	Jaisinagar	Karhad
13	Sagar	Jaisinagar	Mahuwakheda Kalan
14	Sagar	Jaisinagar	Singarchori
15	Sagar	Jaisinagar	Tajpur
16	Sagar	Jaisinagar	Mudri
17	Sagar	Jaisinagar	Dhakrai
18	Sagar	Jaisinagar	Singarmundi
19	Sagar	Jaisinagar	Semrakalan
20	Sagar	Jaisinagar	Masurhai
21	Sagar	Jaisinagar	Isurwara
22	Sagar	Jaisinagar	Semra Ghona

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S. No.	District	Tehsil	Name
23	Sagar	Jaisinagar	Semra Ghat

The committee observed that the project involved Forest Land of 25.2694 ha and Stage-I forest clearance for diversion of 25.2694 ha forest land has been accorded by Regional Office, MoEF&CC, Bhopal vide letter dated 31/10/2024 (Proposal No.: **FP/MP/HYD/IRRIG/430492/2023**). Total 4 villages of Jaisinagar tehsil in Sagar district and 8 villages of Beganganj tehsil in Raisen district will be affected. Total 1443 land owners from these 12 villages will be losing land only due to submergence area, dam sheet and spill channel. No displacement is involved in the project. So far, PP has submitted Rs. 4969.08 in PD account of Collectorate of Sagar and Raisen District for private land acquisition.

After deliberations and the submissions and presentation made by the PP were found to be satisfactory and acceptable hence **the case is recommended for grant of Prior Environment Clearance to Jera Medium Irrigation Project, proposed to construct dam on Dhasan river near Village Jera in Tehsil Jaisinagar of District Sagar. Maximum height of the dam is 20.01 M and gross storage of the dam 24.78 MCM. Project will serve irrigation in CCA 5400 hectare irrigation in 22 nos. villages of District Sagar and 1 village of District Raisen. Submergence area of the project spread over Sagar and Raisen districts, Cat. 1(c) River Valley Project with following conditions:**

Specific conditions

1. Use of ground water during construction of the project will be kept to minimum. Contractor will build a coffer dam and store river water for project construction.
2. Adequate safety measures for laborers to be implemented as part of labour management plan. Further, for children of workers, project proponent/contractor will ensure establishment of an Anganwadi centre at the construction site.
3. Adequate budget will be provided by the project for establishing crèche with a mid-day meal for children while the laborers are at work.
4. Adequate provision for environmental flow (e-flow) must be ensured as per the NGT's order, which directs that all the rivers in the Country shall maintain minimum 15 % to 20% of the average lean season flow of that river.
5. Power for entire SCADA system should from renewable source.
6. **Environmental management and Biodiversity conservation:**
 - i. A total of 28.34 ha area will be covered for plantation under Green

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- Belt.
- ii. The species to be planted will be chosen in consultation with local villagers and will be site specific.
 - iii. Budget has been prepared for plantation and maintenance for 3 years @ Rs. 10000 per hectare i.e. a total provision of **Rs. 28.34 lakh** has been made.
 - iv. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
 - v. Compensatory afforestation programme shall be implemented as per the plan approved, if applicable.
 - vi. The Environmental Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/EMP reports. 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 be updated proportionately
 - vii. Necessary control measures such as water sprinkling arrangements, and construction of paved roads leading to muck disposal sites etc. shall be taken up on priority to arrest fugitive dust at all the construction site

7. Socio-economic

- i. Land acquired for the project shall be suitably compensated in accordance with the prevailing guidelines of the state government and provisions under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013
- ii. The compliance of above conditions shall be monitored by IRO, MoEF&CC and regularly site visit once in year. The compliance report of IRO shall be regularly submitted to MoEF&CC/SEIAA through PARIVESH.
- iii. Skill development Centre shall be established within 10 km radius of the project and regular training programmes for development and promotion of traditional art/products of tribal/local population
- iv. A revised budgetary provision of Rs. 6821.84 Lakh is made for Environmental Management Plan with Rs 6378.00 lakh as capital cost and Rs 443.84 lakh as recurring cost.
- v. CER shall be undertaken as envisaged at a budget of Rs 42.00 Lakh; covering following activities.

Focus Area	Activity	Budget (Rs.)	Start Date	Time to completion	Responsibility	Agency for Implementation
Education	• Constructi	15,00,000.	To start	1 year	Executive	Shikshak

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Focus Area	Activity	Budget (Rs.)	Start Date	Time to completion	Responsibility	Agency for Implementation
	<p>on of library room with provision of books for primary school children at all the 12 villages.</p> <ul style="list-style-type: none"> • Construction of computer centre with PCs and other required infrastructure including a separate computer room at high school Banshadehi village • Support for teaching and learning materials in Anganwadis in Lakhanpur, Banshadehi, Jamuniya Jamsha, Jera and Jotpur 	00	with start of construction		Engineer of WRD for Jera project	Palak Sangh

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Focus Area	Activity	Budget (Rs.)	Start Date	Time to completion	Responsibility	Agency for Implementation
	<ul style="list-style-type: none"> villages • Construction and upgradation of new separate toilets for boys and girls at primary schools in all the 12 villages • Support for meritorious students for higher studies through scholarships 					
Health Care	<ul style="list-style-type: none"> • Infrastructure support to improve health care facility in hospital at Banshadehi, Jera and Berkheri Gusai villages • Medical/ Vaccination Camps including awareness program on health and hygiene in all the 12 villages in 	20,00,000.00	To start with start of construction	1 year	Executive Engineer of WRD for Jera project	Village wellness centre

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Focus Area	Activity	Budget (Rs.)	Start Date	Time to completion	Responsibility	Agency for Implementation
	every year					
Skill Development	Skill development for Local Youth	3,50,000.00	To start with start of construction	1 year	Executive Engineer of WRD for Jera project	Udhyamita Vikas Kendra
Environment	Distribution of fruit bearing species for nearby villagers over a period of 1 year of project construction	3,50,000.00	To start with start of construction	1 year	Executive Engineer of WRD for Jera project	Forestry species from forest nursery and horticulture species from horticulture nursery
Total		42,00,000.00				

- 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

Standard EC Conditions for River Valley projects:

1(c)	River Valley/Irrigation projects
Statutory compliance	
1.	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.
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3.	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 /

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	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).
4.	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.
5.	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.
6.	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores.
7.	If any public property (Burial Ground, Graveyard, Chabutra, Paramparik Narmada Parikrama Path) comes under the submergence, Restoration work/Alternate site will be provided by NVDA in consultation with local community or Gram Panchayat.
8.	Compensation for land and property acquiring for the project will be done "as per the provisions mentioned in the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013.
Air quality monitoring and preservation	
1.	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
2.	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.
3.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.
Water quality monitoring and preservation	
1.	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 (if applicable).
	Remodelling of existing natural drains (link drains) and connecting them

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2.	with irrigated land through constructed field drains, collector drains, etc. are to be ensured on priority basis (if applicable).
3.	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.
4.	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.
5.	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.
6.	Mixed irrigation shall be practised 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 (if applicable).
7.	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/EMP report (if applicable).
Noise monitoring and prevention	
1.	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.
2.	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.
Catchment Area Treatment Plan	
1.	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.
Waste management	
1.	Muck disposal 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
2.	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.
Green Belt and Wildlife Management	
1.	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.
2.	Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
3.	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.
4.	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.
5.	Compensatory afforestation programme shall be implemented as per the plan approved.
6.	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
Public hearing and Human health issues	
	Resettlement & Rehabilitation plan be implemented in consultation with

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1.	the State Govt. as approved by the State Govt.
2.	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
3.	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.
4.	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.
5.	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.
Risk Mitigation and Disaster Management	
1.	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
2.	Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
3.	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan.
Corporate Environment Responsibility	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017- IA.III dated 30th September, 2020, as applicable, regarding Corporate Environment Responsibility.
2.	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
3.	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

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	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.
4.	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.
5.	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.
6.	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.
7.	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report the Committee shall be uploaded in the website of the Company.
8.	Formation of Water User Association/Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	The project proponent shall upload the status of compliance of the

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	stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	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.
5.	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.
6.	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.
7.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8.	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.
9.	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).
10	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.
11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13	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

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	requisite data / information/monitoring reports.
14	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.
15	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

2. **Case No.-P2/610/2024 Shri SANDEEP SHARMA, Executive Engineer, Narmada Development Division No. 19 Bhikangaon, Khargone(M.P.), 451331. Prior Environment Clearance for Khandwa Micro Lift Irrigation Project has been conceived to cater irrigation water to about 53,330 Ha. of CCA in Khandwa district. Total 83 Villages of Khandwa & Pandhana Tehsils of Khandwa District (M.P.). Cat.-1(c) River Valley/Irrigation Projects, SIA/MP/RIV/466031/2024. Env. Consl. M/s. R. S. Envirolinks Technologies Pvt. Ltd. Gurgaon –EIA .**

This is a case of Prior Environment Clearance for Khandwa Micro Lift Irrigation Project has been conceived to cater irrigation water to about 53,330 Ha. of CCA in Khandwa district. Total 84 Villages of Khandwa & Pandhana Tehsils of Khandwa District (M.P.). Cat.-1(c) River Valley/Irrigation Projects, The project requires prior EC before commencement of any activity at site under category 1(c).

PP submitted following information on Parivesh portal:

SN	Information Required	Details
1.	Project Proposal No.	SIA/MP/RIV/518314/2024 (EIA).
2.	Project Name	Shri SANDEEP SHARMA, Executive Engineer, Narmada Development Division No. 19 Bhikangaon, Khargone(M.P.), 451331 Prior Environment Clearance for Khandwa Micro Lift Irrigation Project has been conceived to cater irrigation water to about 53,330 Ha. of CCA in Khandwa district. Total 84 Villages of Khandwa & Pandhana Tehsils of Khandwa District (M.P.). Cat.-1(c) River Valley/Irrigation Projects,SIA/MP/RIV/518314/2024FoR- (EIA).
3.	Project Proposal For	New.SIA/MP/RIV/466031/2024 (ToR).
4.	Proposed ToR	Submitted by Project Proponent .
5.	ToR details	ToR Recommended in 736th SEAC Meeting Dated 03/04/2024.
6.	CCA details	53,330 Ha.
7.	Declaration	Submitted by Project Proponent .
8.	Type of Irrigation	Micro Lift Irrigation Project
9.	Land Requirement (in Ha) of the project or activity	Non-Forest Land [A] - 10 Ha. Forest Land [B] - 20 Ha. Total Land [A+B] - 30 Ha.
10.	Project Cost Rs.	186695 Lakhs.

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11.	Status of Rehabilitation & Resettlement	Yet to Start.
12.	Description of Project.	The Khandwa Micro Lift Irrigation Project has been conceived to cater irrigation water to about 53330 Ha. of CCA in Khandwa district. Total 84 villages of Khandwa & Pandhana Tehsils of Khandwa District will be benefited by this scheme and Lifting of water will be done from ISP reservoir near Nandgaon village, Harsud tehsil, Khandwa district.
13.	Muck Management	Shall be evaluated during EIA study.
14.	CTE/CTO Status	Will be obtained after EC.
15.	DFO NOC	DFO office, Singhajee Letter No. 420 dated 12/03/2024. ➤ Omkareswar distance - 33 km. ➤ Ralamandal distance – 105 km.
16.	PWD distance letter	EE, PWD, Khandwa Division, Distt.- Khandwa Letter No. 985 dated 11/03/2024. Inter State Boundary distance - 45 km (Maharashtra State).
17.	EMP/ Env. Con	Mr. R. S. Bhatiya, R. S. Envirolinks Technologies Pvt. Ltd., Gurugram (Haryana)

Earlier for this proposal ToR was Recommended in the 736th SEAC Meeting Dated 03/04/2024 .

The Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Top soil management plan.
2. Transport route details.
3. F.C. clearance status .
4. Carbon foot print details with management.
5. Wild life conservation plan along with study of impact of laying of pipeline on wild life.
6. Detailed catchment area treatment plan.
7. In EIA report details about existing and proposed National Parks/ WLS and their wild life management plan shall be discussed.
8. KML of FC clearance and EC clearance shall be submitted with EIA report with forest compartment history as per current forest plan.
9. Details of temporary R&R (if any) shall be discussed in the EIA report.
10. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.

11. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
12. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
13. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
14. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
15. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
16. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
17. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
18. Muck management plan wrt machinery deployment and movement of trucks shall be discussed in the EIA report.
19. An inventory of flora & fauna based on actual ground survey shall be presented.
20. Study of Ecological loss and its remediation plan.
21. As forest land is involved in the project FC stage to be clarified with supporting documents alongwith catchment area improvement and natural drainage protection plan shall be discussed in the EIA report.
22. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
23. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
24. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
25. ई.आई.ए. की स्टडी के दौरान एवं फील्ड में पर्यावरणीय मॉनिटरिंग डेटा के एकत्रीकरण के समय संबंधित म.प्र.प्रदूषण नियंत्रण बोर्ड के क्षेत्रीय कार्यालय को पूर्व में ही सूचित करें।
26. फील्ड में पर्यावरणीय मॉनिटरिंग डेटा के एकत्रीकरण के जिओ टैग फोटोग्राफ्स ई.आई.ए. रिपोर्ट में प्रस्तुत करें।
27. ई.आई.ए. प्रस्तुतीकरण के दौरान फील्ड में पर्यावरणीय मॉनिटरिंग डेटा एकत्रीकरण करने वाले सदस्य भी पर्यावरण सलाहकार की टीम के साथ उपस्थित रहें।

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In this meeting the EIA was presented by the Mr. Ravinder Bhatia, Env. Consultant from M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon (Haryana) along with PP Shri SANDEEP SHARMA, Executive Engineer, Narmada Development Division No. 19 Bhikangaon, Khargone(M.P.). Wherein PP has submitted following about the project:

PROJECT BRIEF:

- The main objective of Khandwa Micro Lift Irrigation Project is to provide irrigation facilities to the water-scare areas in upper reaches of Khandwa and Pandhana tehsil of Khandwa district where the level of irrigation is lower as compared to national average.
- The project will benefit 83 villages of Khandwa and Pandhana tehsils of Khandwa district.
- The proposed project will have a design discharge of 18.665 cumec during the entire rabi season with ISP Reservoir as source of water.
- Project involves 3 Pump Stations in near village madani (PS1), Garangaon (PS2) and Chich Kheda (PS3) and main piped canal of 32.200 kms
- The project involves 12.50 Ha of Govt. land and 18.315 Ha of Forest Land
- Cost (in Lakhs) : Rs. 186695/- One Lakh Eighty-Six Thousand Six Hundred and Ninety Five Lakh(s) Only
- Benefit cost ratio is 1.84

PROJECT DETAILS:

Name of the Project	Khandwa Micro Lift Irrigation Scheme
Type of the Project	Irrigation
Supply Source/Lifting Point	ISP Reservoir
Latitude/Longitude	76°38'33.01" E / 21°58'4.81" N
District	Khandwa
Village to be benefited	83 nos.
Delivery Point	Near village 1. Village- Madani (PH1 & DC1) 2. Village- - Garangaon (PH2) 3. Village- Chich Kheda (PH3)
Length of Main Canal (in m) (for Irrigation project);	27000 (27.0 km)
Length of Distributaries (in m) (for Irrigation project) :	1473000 (1473.0 km)

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Cultural Command Area (ha) :	53330
Water Needed	18.665 cumec
Nearest Major Town	Khandwa 46 km
Nearest Railway station	Khandwa Railway Station 52 km
Nearest airport	Devi Ahilyabai Holkar International Airport, Indore 179 km
Nearest IMD station	IMD station – Bhopal (Bairagarh)
Seismic Zone	Zone-III Moderate Risk Zone
Any Religious/ Historical Place/ Archaeological monuments	No
Ecological sensitive area / Reserve Biosphere / Reserve Forest	No

PP further submitted that a total 18.665 cumec of water is proposed to be lifted from Narmada River. The power required to lift the same is about 41.28 MW. This has been planned to be supplied from MPPKVVCL.

Total Land Requirement is of 30.815 Ha. out of which :-

- Govt. Land: 12.50 Ha. (PH 1 & 2)
- Forest Land :18.315 Ha. (PH1, DC, Approach Channel, TR line, RM & distribution network)

Following are main points discussed during public hearing meetings:

- We have no objection to this project; this scheme will benefit our crops and this scheme will provide us with sufficient water for the crops. We do not have any problem this scheme is beneficial for us.
- Where will the pipe line originate in village Lachhora khurd and you are requested to ensure that while laying the pipe line, the farmer should not face any problem while cultivating the land so that the farmer can make full use of his land. Tell us where the system will be installed.
- There should be facility of irrigation in the fields of all the farmers of village Mordad and the quality of all the pipes and all types of pipes should be buried by digging deep in the ground, and the village should ensure the arrangement of drainage of water in the agricultural land of the village through drains and rails. Make additional arrangements to release water into rivers and drains so that cattle and villagers can use the water during summer season. Appropriate standards of safety and environment should be taken care of in the pipeline work so that the benefits of this lift irrigation scheme can be availed by the farmers for a long time. For employment, the unemployed people of rural

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areas should be given priority in the project at the first stage so that the people of rural areas can get employment. So that people can get employment, they should also be included in the irrigation facility for tree plantation work by the Panchayat in government land so that new trees and environment can be improved.

- Village Jirvan should be included in Rajgarh (Bham) lift irrigation.
- **List of Benefitted Villages**

S. No	Tehsil	Village Name
1	Khandwa	Badgaon Mal
2	Khandwa	Machhondi Ryt
3	Khandwa	Sarai
4	Khandwa	Kanwani
5	Khandwa	Amlani
6	Khandwa	Dharamपुरी
7	Khandwa	Bamangaon(Akhai)
8	Khandwa	Bhil Khedi Murar
9	Khandwa	Fathehpur
10	Khandwa	Teerandajpur
11	Khandwa	Kithiya Joshi
12	Khandwa	Tighariya
13	Khandwa	Ladanpur
14	Khandwa	Lohari
15	Khandwa	Badgaon Gujar
16	Khandwa	Baidiyaw
17	Khandwa	Deepla
18	Khandwa	Hapla
19	Khandwa	Jaswadi
20	Khandwa	Dongargaon
21	Khandwa	Rampurakalan
22	Khandwa	Manpura

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S. No	Tehsil	Village Name
23	Khandwa	Mordad
24	Khandwa	Lachhora Khurd
25	Khandwa	Dhanora
26	Khandwa	Khidgaon
27	Khandwa	Badgaon Piplod
28	Khandwa	Kedarkhedi
29	Khandwa	Singot
30	Khandwa	Bhagwanpura
31	Khandwa	Garangaon
32	Khandwa	Gondwadi
33	Khandwa	Ranjani Ryt
34	Khandwa	Fulgaon
35	Khandwa	Pangra
36	Khandwa	Nandiya
37	Khandwa	Barar
38	Khandwa	Bhagaiyapur
39	Khandwa	Charkheda
40	Khandwa	Borkheda Kalan
41	Khandwa	Chich Kheda
42	Khandwa	Panchbedi Ryt
43	Khandwa	Gandhwa
44	Khandwa	Bihar
45	Khandwa	Itwamal
46	Khandwa	Kohadad
47	Khandwa	Chhanera
48	Khandwa	Saray
49	Khandwa	Bhelkhedi(Piplod)
50	Khandwa	Padlya

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S. No	Tehsil	Village Name
51	Khandwa	Kalpat
52	Khandwa	Lachhorakalan
53	Khandwa	Jagatpura
54	Khandwa	Rampuri Ryt
55	Khandwa	Kumtha
56	Khandwa	Dehariya
57	Khandwa	Hirapur Ryt
58	Khandwa	Nahar Mal
59	Khandwa	Takalkheda Ryt
60	Khandwa	Gudikheda Ryt
61	Khandwa	Handiakheda Ryt
62	Khandwa	Karpur Ryt
63	Khandwa	Chandpur Ryt
64	Khandwa	Piplya Khurd Ryt
65	Khandwa	Bisrampur Ryt
66	Khandwa	Chhirwan Ryt
67	Khandwa	Gondwadi Ryt
68	Khandwa	Bhutni Ryt
69	Khandwa	Bamanda Ryt
70	Khandwa	Borkheda Khurd Ryt
71	Khandwa	Bhilai Kheda
72	Khandwa	Gujrikheda Ryt
73	Khandwa	Jirwan
74	Khandwa	Raikhutwal
75	Khandwa	Puranpura
76	Khandwa	Piplod khas
77	Pandhana	Khadki
78	Pandhana	Segwal

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S. No	Tehsil	Village Name
79	Pandhana	Tembhi Khurd
80	Pandhana	Ardala Kalan
81	Pandhana	Sarola
82	Pandhana	Rajora
83	Pandhana	Bagmar

During presentation PP stated that area is covered under the Panchayats Extension to Scheduled Areas (PESA) Act, 1996 (PESA) act. The committee observed that the project involved Forest Land of 18.315 ha and Stage-I forest clearance for diversion of 18.315 ha forest land has been accorded by Regional Office, MoEF&CC, Bhopal vide letter dated 21/01/2025 (Proposal No.: **FP/MP/HYD/IRRIG/469105/2023**).

After deliberations and the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case is recommended for grant of Prior Environment Clearance for Khandwa Micro Lift Irrigation Project in an area of 53,330 ha.(CCA), Gross command area (GCA-67941 Hectare, at 83 villages of Khandwa & Pandhana tehsils of Khandwa district (MP), takes off discharge of 18.665 Cumecs from ISP reservoir near village Madani, tehsil Khalwa in Dist. Khandwa, Cat. 1(c) River Valley and Hydroelectric Projects with following conditions:

Specific conditions :

1. Use of ground water during construction of the project will be kept to minimum.
2. Adequate safety measures for laborers to be implemented as part of labour management plan. Further, for children of workers, project proponent/contractor will ensure establishment of an Anganwadi centre at the construction site.
3. Adequate budget will be provided by the project for establishing crèche with a mid-day meal for children while the laborers are at work.
4. Power for entire SCADA system should from renewable source.
5. The project proponent (PP) may explore the possibility of relocating large trees instead of felling them to minimize ecological impact.
6. Environmental management and Biodiversity conservation:
 - i. A total of 15.90 ha area will be covered for plantation under Green Belt

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- (0.65 ha around the boundary of pumphouses and about 15.25 ha in 9 patches falling in 4 villages)
- ii. The species to be planted will be chosen in consultation with local villagers and will be site specific.
 - iii. Budget has been prepared for plantation and maintenance for 5 years @ Rs. 88000 per hectare i.e. a total provision of **Rs. 14.0 lakh** has been made.

S. No	Village	Khasra No.	Area (Ha)	Tree plantation area (Ha)	Remark
1	Madani	Ph-1		0.25	Nearby harbanspura village PH-1
2	Garangaov	Ph-2		0.20	Nearby Garhangaon village PH-2 and garhangaon to gondwadi village road
3	Chichkheda	Ph-3		0.20	Nearby chichkheda village PH-3 and Chichkheda to gandhwa village road
4	Gondwadi	286	13.82	1.75	This land is near Rampura to garhangaon village road
5		284	21.38	2	This land is near Rampura to garhangaon village road
6		25	18.04	2	This land is near gondwadi to garhangaon village CT road and Nearby khasra-286
7		252	11.69	1.5	This land is near gondwadi to garhangaon village road and Nearby khasra-25
8	Mordad	79	12.01	1.5	Nearby Mordad Village and Side of the sukta River
9		591	10.06	1	Nearby Mordad Village and Nearby Railway track
10		541	10.4	1	This land is near Mordad to Khidgaon village road
11	Dharampuri	492	14.48	2.5	Nearby Dharampuri Village and Nearby Solar plant
12	Rampura Kalan	879	16	2	Nearby Rampura Kalan Village and Nearby Govt. School
Total			127.88	15.9	

- iv. Compensatory afforestation programme shall be implemented as per the plan approved, if applicable.

7. Socio-economic

- i. Land acquired for the project shall be suitably compensated in accordance with the prevailing guidelines of the state government and provisions under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013
- ii. The compliance of above conditions shall be monitored by IRO, MoEF&CC and regularly site visit once in year. The compliance report of IRO shall be regularly submitted to MoEF&CC/SEIAA through PARIVESH.
- iii. Skill development Centre shall be established within 10 km radius of the project and regular training programmes for development and promotion of traditional art/products of tribal/local population
- iv. A budgetary provision of Rs. 1896.66 Lakh is made for Environmental Management Plan with Rs 801.56 lakh as capital cost and Rs 1018.60 lakh as recurring cost.
- v. Under CER Rs 76.50 Lakh is envisaged for proposed for following various activities.

Focus Area	Activity	Budget (Rs.)	Start Date	Time to completion	Responsibility
Education	Construction of library room with provision of books for primary school children at Madani, Chich Kheda, Rampurakalan, Gandhwa and Dharampuri Villages @ Rs. 60,000 each	3,00,000.00	To start with start of construction	6 months	Executive Engineer of NVDA for Khandwa project through school authorities
	Construction of computer centre with 5 PCs and other required infrastructure including a separate computer room at high school Khedi and Singot villages @ Rs. 5,00,000.00 at each village	10,00,000.00	To start with start of construction	12 months	Executive Engineer of NVDA for Khandwa project through school authorities
	Support for teaching and learning materials in Anganwadis in	2,00,000.00	To start with start of construction	3 months	Executive Engineer of NVDA for

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Focus Area	Activity	Budget (Rs.)	Start Date	Time to completion	Responsibility
	Madani, Khedi, Dharampuri, Chich Kheda, Dongargaon, Rajora village				Khandwa project through school authorities
	Construction and upgradation of new separate toilets for boys and girls at primary schools in Gandhwa, Borkheda Kalan, Ranjani Ryt, Dharampuri village primary schools @ Rs. 75,000 in each school	3,00,000.00	To start with start of construction	6 months	Executive Engineer of NVDA for Khandwa project through school authorities
Health Care	Infrastructure support to improve health care facility in hospital at Dharampuri village – to add beds and equipment in two phases of 6 months each	10,00,000.00	To start with start of construction	12 months	Executive Engineer of NVDA for Khandwa project through medical authorities
	Medical/ Vaccination Camps including awareness program on health and hygiene in Madani, Khedi, Chich Kheda, Ranjani Ryt, Dongargaon, Bhelkhedi and Rajora in every year @ Rs. 50,000 per camp	21,00,000.00	To start with start of construction	6 years	Executive Engineer of NVDA for Khandwa project through medical authorities
Habitat Development	Provision of water supply to Omkareshwar WLS through tube-well with Solar Pump	10,00,000.00	To start with start of construction	6 months	Executive Engineer of NVDA for Khandwa project through forest authorities
	Welfare Activities in Omkareshwar WLS, Khandwa	5,00,000.00	To start with start of construction	6 months	Executive Engineer of NVDA for

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Focus Area	Activity	Budget (Rs.)	Start Date	Time to completion	Responsibility
					Khandwa project through forest authorities
Skill Development	Support for meritorious students for higher studies. 5 students to be selected every year from villages located near project components and provided scholarship @ Rs. 20,000 each for 5 years.	5,00,000.00	To start with start of construction	The scheme will run for five years and if the budget is not exhausted will be extended further	Executive Engineer of NVDA for Khandwa project through MP directorate of skill development
Others	Distribution of fruit bearing species for nearby villagers over a period of 6 years of project construction	7,50,000.00	To start with start of construction	6 years	Executive Engineer of NVDA for Khandwa project through forest/horticulture authorities
Total		76,50,000.00			

- 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

Standard EC Conditions for River Valley projects:

1(c) River Valley/Irrigation projects	
Statutory compliance	
1.	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.
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

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3.	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).
4.	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.
5.	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC; if applicable
6.	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores. if applicable
7.	If any public property (Burial Ground, Graveyard, Chabutra, Paramparik Narmada Parikrama Path) comes under the submergence, Restoration work/Alternate site will be provided by NVDA in consultation with local community or Gram Panchayat.
8.	Compensation for land and property acquiring for the project will be done "as per the provisions mentioned in the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013.
Air quality monitoring and preservation	
1.	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
2.	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.
3.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.
Water quality monitoring and preservation	
1.	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 (if applicable).
2.	Remodelling 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 (if applicable).
3.	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. (if applicable)

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4.	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. (if applicable)
5.	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. (if applicable)
6.	Mixed irrigation shall be practised 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 (if applicable).
7.	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/EMP report (if applicable)
Noise monitoring and prevention	
1.	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.
2.	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.
Catchment Area Treatment Plan	
1.	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. (if applicable)
Waste management	
1.	Muck disposal 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.
2.	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.
Green Belt and Wildlife Management	
1.	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. (if applicable)

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2.	Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
3.	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.
4.	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
5.	Compensatory afforestation programme shall be implemented as per the plan approved.
6.	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 (if applicable)
Public hearing and Human health issues	
1.	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
2.	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
3.	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.
4.	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.
5.	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.
Risk Mitigation and Disaster Management	
1.	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
2.	Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
3.	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan.
Corporate Environment Responsibility	

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1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017- IA.III dated 30th September, 2020, as applicable, regarding Corporate Environment Responsibility.
2.	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 <u>livelihood generation</u>
3.	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.
4.	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.
5.	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.
6.	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.
7.	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology. Forestry, Wildlife, Sociology. Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report the Committee shall be uploaded in the website of the Company.
8.	Formation of Water User Association/Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

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3.	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	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.
5.	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.
6.	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
7.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8.	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.
9.	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).
10.	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.
11.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13.	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.
14.	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.
15.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3. **Case No 9876/2023 Chief Engineer, NVDA Lower Narmada Projects, Narmada Bhavan, B-G, Scheme No. 74-C, Vijay Nagar Indore (MP) Prior Environment Clearance for Kukshi Micro Lift Irrigation Project has been conceived to cater irrigation water to about 75,000 Ha. of CCA in Dhar district. Total Village - 247 (115 villages of Kukshi Tehsil, 98 villages of Gandwani tehsil, 01 village of Dahi Tehsil and 33 villages of Manawar Tehsil, District-Dhar) (MP). FoR – EIA Presentation. SIA/MP/RIV/518356/2025.**

This is a Micro Lift Irrigation Project involving > 10,000 ha. of culturable command area falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA.

Earlier, in the SEAC 646th Meeting dated 16th May 2023 ToR was recommended by the SEAC for the proposed project.

Then, PP has applied for Amendment in ToR for which PP has applied requisite form -3 . Hence, this case was scheduled in the 672nd meeting on dated 25.08.2023.

PP was submitted that after conducting detailed survey and investigation, total land requirement for the proposed project has changed from 40.15 ha. to 251.69 ha. PP further stated that forest area has also increased earlier it was involved 33.90 ha. now increased upto approx. 220 ha. for which F.C. clearance shall also be obtained.

The Committee observed that during presentation PP/Env. Consultant was not able to show forest area on the Google earth /map hence; committee was not able to reach any conclusion in this regard. After deliberation the committee asked PP to submit revised map showing complete revised project area passing including forest area. The committee also asked PP to aware them regarding status of EC compliance of last 2 years with credible evidence.

The project proponent submitted clarification on 13.09.2023 on PARIVESH Portal, which was asked by the SEAC in the 672nd meeting on dated 25.08.2023. Hence, the case was scheduled in the agenda of SEAC 682nd meeting 26/09/2023.

The case was presented by the Mr. Ravinder Bhatia, Env. Consultant from M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon (Haryana) along with PP Shri R. S. Mandloi, Executive Engineer, NVDA, Dhar with the following details of the project:

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Chronology of the project :

Actions	Date
Filing of TOR Application	21.04.2023
SEAC Meeting for TOR Clearance	16.05.2023
SEIAA Meeting for TOR Clearance	31.05.2023
TOR approved and received from SEIAA	06.06.2023
Revised Form 1 and letter submitted for amending the TOR	14.08.2023
SEAC Meeting for TOR Amendment	25.08.2023
ADS reply uploaded	13.09.2023

Reasons for Amendment of TOR

PP submitted that after conducting detailed survey and investigation, total land requirement for the proposed project increased from 40.15 ha to 251.69 ha. All the other project features will remain unchanged.

The bifurcation of land (forest & non- forest) are as given blow:-

Land Requirement Comparison		
	As per Tor Granted	Present
Forest (ha)	33.9	220.44
Non-Forest (ha)	6.25	31.25
Total	40.15	251.69

Committee accepted the request made by PP and recommended to amended in TOR with the inclusion of following amendments in the configuration of the project:

- Updated the Non-Forest Land from 6.25 ha to 31.25 ha and Forest Land from 33.9 ha to 220.44 ha.
- As forest land is involved in the project FC stage-I to be clarified with supporting documents along with catchment area improvement and natural drainage protection plan shall be discussed in the EIA report.
- CAT improvement plan shall be carried out through forest department.
- Under CER activity proposal for Bagh River re-juvenation.

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- In EIA report details about existing flora & fauna and their Ecological damage plan shall be discussed.
- Soil & water conservation plan shall be prepared through forest department.
- Impacts on forest due to pipelines laying in this context opinion to be taken from concerned DFO.
- PP shall be submitted the EC compliance report w.r.t plantation and CER activities of similar projects, along with EIA report.
- PP shall produce the compliance report of old sanctioned project of EC specially regarding plantation works & CER activities which were imposed in old cases, where EC had been issues.

Remaining terms of reference (TOR) shall remain same as recommended in 646th Meeting dated 16th May 2023.

PP has further applied for Amendment in ToR. Hence, this case was scheduled in this meeting.

PP submitted following details of the project:

Actions	Date
Filing of TOR Application	21.04.2023
TOR approved and Letter Issued by SEIAA	06.06.2023
TOR was amended for change in Land Requirement; TOR Amendment was issued by SEIAA	26.10.2023
No. of benefitted villages got revised from 175 to 247 without changing the command, however, this did not get mention in previous amendment application; therefore TOR amendment is requested again to put the factual data on documents. Revised Form 1 and letter submitted for further TOR amendment to put it on record.	09.02.2024

PP submitted chronology of the project along with reasons for Amendment in the proposed TOR-

- Scoping clearance for Kukshi Micro Lift Irrigation Scheme was accorded by SEIAA vide their letter No. 640/SEIAA/2023 dated 06/06/2023.
- Amendment in ToR for Kukshi Micro Lift Irrigation Scheme due to change in land requirement; accorded by SEIAA vide their letter No. 1837/SEIAA/2023 dated 26/10/2023

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- List of benefitted villages, got revised to 247 villages instead of 175 villages, however, this did not get mention in previous TOR application.
- All the parameters of the scheme including land requirement (251.69 ha) and CCA will remain the same i.e. 75000 ha.

Comparative Statement for the changes

S.No.		ToR including amendment	Revised for which TOR amendment is requested
1.	Gross Command Area	137064	140972
2.	Tehsils	Kukshi & Gandhwani	Kukshi, Gandhwani, Dahi & Manawar
3.	No. of Villages	175	247
		96 villages of Kukshi tehsil & 79 villages of Gandwani tehsil	115 villages of Kukshi tehsil, 98 villages of Gandwani tehsil, 1 village of Dahi tehsil and 33 villages of Manawar tehsil

Justification

- During detailed survey and investigation, it is observed that significant portions of these villages are not suitable for cultivation, either due to being barren, undulated or situated on hilly terrain.
- Therefore, to compensate for the reduction in CCA for which the project is designed, the land adjacent to these villages where cultivation is going and there is need for irrigation water supply have been identified.
- Change in number of benefitted villages and tehsil did not get mention in the previous TOR application.
- All the parameters of the scheme including land requirement and CCA is same.

Project Description

- 29.25 Cumec water will be lifted directly from river Narmada at elevation 112.00 m to 560.00 m to cater to irrigation demand of about 75,000 ha CCA in Dhar district.

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- Total 115 villages of Kukshi tehsil, 98 villages of Gandhwani tehsil, 1 village of Dahi tehsil and 33 villages of Manawar tehsil of Dhar district will be benefitted.
- Apart from irrigating 75,000 ha of land, 1.5 cumec of water exclusively earmarked for drinking purposes and 1.5 cumec for filling the existing dams/canal systems.
- The scheme contains an approach channel, 6 Nos. Pump Houses and 7 Nos. Distribution Chambers at different suitable locations along the rising mains, gravity mains and distribution network.
- A pipe network of approx. 8600 KM will be laid to serve 75000 ha of land at different levels.

PP further submitted before the committee that:

- There is no change in other project features.
- ToR amendment is being requested to update the GCA from 137064 ha to 140972 ha and No. of villages from 175 to 247.
- We request the committee to approve the amendment of TOR, so that EC process can be completed and the work will be initiated.

Committee accepted the request made by PP and recommended to amend in TOR with the inclusion of following amendments in the configuration of the project:

Update the GCA from 137064 ha to 140972 ha and No. of villages from 175 to 247.

Remaining terms of reference (TOR) shall remain same as recommended in 646th Meeting dated 16th May 2023 & SEAC 682nd meeting 26/09/2023.

The EIA was presented by the Mr. Ravinder Bhatia, Env. Consultant from M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon (Haryana) along with PP Shri R. S. Mandloi, Executive Engineer, NVDA, Dhar with the following details of the project:

PP submitted that-

- This is case of Prior Environment Clearance for Kukshi Micro Lift Irrigation Project in an area of 75,000 ha.(CCA) at 86 villages of Kukshi Tehsil & 79 villages of Gandhwani Tehsil of Dhar District (MP).

- The project is designed to irrigate a total of 75000 ha of CCA on right bank of Narmada River covering 247 villages of 4 tehsils of Dhar district.

Permanent Land Requirement-

For the construction of pumping stations, Delivery chamber, valve chambers, switch yards and laying of rising main, gravity main; land would be required permanently. Total permanent land requirement has been worked out as 251.69 ha out of which 31.25 ha would be met by Private land and 220.44 ha by forest land (152.873 ha Reserved Forest & 67.567 ha Protected Forest). Proposals for diversion has been submitted vide reference no. FP/MP/HYD/IRRIG/447025/2023.

The EIA was presented by the Mr. Bhatiya , Env. Consultant from M/s. R. S. Environing Technologies Pvt. Ltd, Gorgon (Haryana) along with PP Shri Pradeep, Executive Engineer, NVDA, Dhar .

PROJECT BRIEF

- The main objective of Kukshi Micro Lift Irrigation Project is to provide irrigation facilities to the water-scare areas in upper reaches of Narmada and Hatani basin where the level of irrigation is very much less as compare to national irrigation percentage.
- Kukshi Micro Lift Irrigation Scheme is designed to benefit 247 villages of Kukshi, Gandhwani, Manawar and Dahi tehsils of Kukshi district.
- 29.25 cumecs of water will be lifted from existing Narmada River near village Chikhalda Tehsil Kukshi, District Dhar, Madhya Pradesh
- Project involves 6 Pump Stations in village Chikhalda (PS1 & PS2), Sulgaon & Masanya (PS3), Bakhatala (PS4), Dhobadi (PS5), Undel (PS6) and main piped canal of 109 kms
- The project involves 31.25 Ha of Private land and 220.44 Ha of Forest Land
- Cost (in Lakhs) : Rs. 277116/- Two Lakh Seventy-Seven Thousand One Hundred Sixteen Lakh(s) Only
- Benefit cost ratio is 1.81

PROJECT DETAILS

Name of the Project	kukshi Micro Lift Irrigation Scheme
Type of the Project	Irrigation
Supply Source/Lifting Point	Narmada River

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Latitude/Longitude	74⁰52'41.6" E / 22⁰04'47.6" N
District	Dhar
Village to be benefited	247 nos.
Delivery Point	Near village 4. Village- Dahar (DC1) 5. Village- - Sulgaon, & Masanya (DC2) 6. Village- Bhagiyapura (DC3) 7. Village- Jamlabag (DC4) 8. Village- Bakhatala (DC5) 9. Village- Sangibawdi (DC6) 10. Village- Ambasoti (DC7)
Length of Main Canal (in m) (for Irrigation project);	109785 (109.78 km)
Length of Distributaries (in m) (for Irrigation project) :	8463120 (8463.12 km)
Cultural Command Area (ha) :	75000
Water Needed	29.25 cumec
Nearest Major Town	Susari 16 km
Nearest Railway station	Indore 160 km
Nearest airport	Devi Ahilyabai Holkar International Airport, Indore 160 km
Nearest IMD station	IMD station – Bhopal (Bairagarh)
Seismic Zone	Zone-III Moderate Risk Zone
Any Religious/ Historical Place/ Archaeological monuments	No
Ecological sensitive area / Reserve Biosphere / Reserve Forest	No

PP further submitted that a total 29.25 cumec of water is proposed to be lifted from Narmada River. The power required to lift the same is about 118.8 MW. This has been planned to be supplied from MPPKVVCL.

Total Land Requirement is of 251.69ha out of which :-

- Private Land: 31.25 ha (PHs, DCs and Approach Roads)
- Forest Land :220.44 ha (PHs, DCs, Approach Roads, TR line, RM & distribution network)

Public Hearing Meeting was conducted in at Office of the Executive Engineer, Narmada Development Division no.-16, Kukshi, Tehsil Kukshi, District Dhar, Madhya Pradesh on 19th June 2024. Locals have welcomed the projects and have demanded the scheme be implemented as soon as possible as due to shortage of water in the region, there is not adequate water to irrigate land and proposed scheme will bring economical self-independence and prosperity in the region.

Following are main points discussed during public hearing meetings:

- Mandatorily plant new trees in place of the trees affected by the project
- After laying of pipes in the fields of the farmers, leveling of ground to be done so that there is no problem for the farmers and point to be provided at the edge of field of farmers so that no one faces difficulty.
- There is a problem of drinking water in the village. There is also an issue with irrigating crops. Kindly arrange for water supply to our village so that the problems of drinking and farming can be resolved.

Following commitments were made during Public hearing:

- More & more plantations will be done. As per government regulations, the compensatory afforestation amount will also be given to the forest department, enabling them to carry out tree plantation activities
- The field will be levelled as it is after completion of work so that they will not face any difficulty.
- The installation of pipelines in the village shall resolve the water problem for irrigation.
- **Kukshi MLIS - List of Benefitted Villages**

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District - Dhar		
SI. No	Tehsil	Village/Town Name
1	Kukshi	Kukshi(NP)
2	Kukshi	Dhodhardi
3	Kukshi	Hansalbad
4	Kukshi	Kakadkuwa
5	Kukshi	Piprani
6	Kukshi	Khaniamba
7	Kukshi	Ukala
8	Kukshi	Tarsinga
9	Kukshi	Narwali
10	Kukshi	Guda
11	Kukshi	Jali
12	Kukshi	Muhaja
13	Kukshi	Kali Devi
14	Kukshi	Ambasoti
15	Kukshi	Barada Tanda
16	Kukshi	Karanpura
17	Kukshi	Banki Tanda
18	Kukshi	Tanda
19	Kukshi	Kodada
20	Kukshi	Jamla Tanda
21	Kukshi	Dobani
22	Kukshi	Kharwali
23	Kukshi	Magadi
24	Kukshi	Gardi
25	Kukshi	Gatala

District - Dhar		
SI. No	Tehsil	Village/Town Name
26	Kukshi	Jetgarh
27	Kukshi	Mukund Pura
28	Kukshi	Badkachha
29	Kukshi	Geta
30	Kukshi	Barad
31	Kukshi	Baratha
32	Kukshi	Barud
33	Kukshi	Singachori
34	Kukshi	Paretha
35	Kukshi	Chhatawani
36	Kukshi	Ghore
37	Kukshi	Pipaldlya
38	Kukshi	Guradiya
39	Kukshi	Jhadamli
40	Kukshi	Jhai
41	Kukshi	Karchat
42	Kukshi	Kakdawa
43	Kukshi	Chhadawad
44	Kukshi	Bagoli
45	Kukshi	Bagholi
46	Kukshi	Ghuddaliya
47	Kukshi	Chamjhar
48	Kukshi	Kutedi
49	Kukshi	Padabanda
50	Kukshi	Pipalwa

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District - Dhar		
SI. No	Tehsil	Village/Town Name
51	Kukshi	Pipalda
52	Kukshi	Thana
53	Kukshi	Chijwan
54	Kukshi	Gadbori
55	Kukshi	Banada
56	Kukshi	Bawdiya
57	Kukshi	Pipliyapani
58	Kukshi	Gumiya
59	Kukshi	Chitawara
60	Kukshi	Borkui
61	Kukshi	Risawala
62	Kukshi	Raisinghpura
63	Kukshi	Bekalya
64	Kukshi	Neemkheda
65	Kukshi	Agar
66	Kukshi	Mahakalpura
67	Kukshi	Kadwal
68	Kukshi	Bankibag
69	Kukshi	Nayawel
70	Kukshi	Kurdujeta
71	Kukshi	Heladad
72	Kukshi	Pipribag
73	Kukshi	Bandhaniya
74	Kukshi	Bagpura
75	Kukshi	Merti

District - Dhar		
SI. No	Tehsil	Village/Town Name
76	Kukshi	Tola
77	Kukshi	Barkheda
78	Kukshi	Kaneheri Sujanpur
79	Kukshi	Jamlabag
80	Kukshi	Dewdha
81	Kukshi	Bhamori
82	Kukshi	Undali
83	Kukshi	Naingaon
84	Kukshi	Rampura
85	Kukshi	Birlai
86	Kukshi	Kundara
87	Kukshi	Dugawa
88	Kukshi	Konda
89	Kukshi	Dehar
90	Kukshi	Molkhad
91	Kukshi	Jaynagar
92	Kukshi	Jhikri Balwa
93	Kukshi	Malwadi
94	Kukshi	Nawadpura
95	Kukshi	Chandankhedi
96	Kukshi	Amaljhuma
97	Kukshi	Bhawriya
98	Kukshi	Bhilsur
99	Kukshi	Susari
100	Kukshi	Bharadpur

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District - Dhar		
SI. No	Tehsil	Village/Town Name
101	Kukshi	Babulsha
102	Kukshi	Kharajana
103	Kukshi	Ghatgaon
104	Kukshi	Badgaon
105	Kukshi	Lohari
106	Kukshi	Tana
107	Kukshi	Dhulsar
108	Kukshi	Sulgaon
109	Kukshi	Nanoda
110	Kukshi	Kothada
111	Kukshi	Limbol
112	Kukshi	Masanya
113	Kukshi	Kanti
114	Kukshi	Padlaya
115	Kukshi	Bagh (CT)
116	Gandhwani	Indla
117	Gandhwani	Chunpiya
118	Gandhwani	Keli Kalan
119	Gandhwani	Beed Bhopawar
120	Gandhwani	Garwada
121	Gandhwani	Ratakot
122	Gandhwani	Baledi
123	Gandhwani	Pantha
124	Gandhwani	Gwal Magri
125	Gandhwani	Bhati Khodara

District - Dhar		
SI. No	Tehsil	Village/Town Name
126	Gandhwani	Khalbhaydi
127	Gandhwani	Jamnyapada(Amjhera)
128	Gandhwani	Kadada
129	Gandhwani	Luharpura
130	Gandhwani	Kesavi
131	Gandhwani	Dedli
132	Gandhwani	Virpur (Balwari)
133	Gandhwani	Jhiran
134	Gandhwani	Rojabediya
135	Gandhwani	Rodada
136	Gandhwani	Kamta
137	Gandhwani	Chotiya Khedi
138	Gandhwani	Sironj
139	Gandhwani	Pachpipalya
140	Gandhwani	Dhama Khedi
141	Gandhwani	Kharbardi
142	Gandhwani	Ledgya
143	Gandhwani	Dhola Hanuman
144	Gandhwani	Amghata
145	Gandhwani	Badipur
146	Gandhwani	Katarpura
147	Gandhwani	Jamli
148	Gandhwani	Pithanpura
149	Gandhwani	Kodi
150	Gandhwani	Kokri

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District - Dhar		
SI. No	Tehsil	Village/Town Name
151	Gandhwani	Dhardi
152	Gandhwani	Kolyabari
153	Gandhwani	Khedli Hanuman
154	Gandhwani	Kuradada
155	Gandhwani	Jamal.
156	Gandhwani	Pura
157	Gandhwani	Jogyia
158	Gandhwani	Kota
159	Gandhwani	Bordabara
160	Gandhwani	Shadi
161	Gandhwani	Kadwal
162	Gandhwani	Mujalda
163	Gandhwani	Rehadada
164	Gandhwani	Dhawadada
165	Gandhwani	Bilda
166	Gandhwani	Sangibawdi
167	Gandhwani	Acharkunda
168	Gandhwani	Kalmathiya
169	Gandhwani	Bildari
170	Gandhwani	Hiraniya Bardi
171	Gandhwani	Balwari Kalan
172	Gandhwani	Dhobadiya
173	Gandhwani	Bhutiya Pura
174	Gandhwani	Balwari Khurd
175	Gandhwani	Raipura

District - Dhar		
SI. No	Tehsil	Village/Town Name
176	Gandhwani	Borda
177	Gandhwani	Behadada
178	Gandhwani	Dhanora
179	Gandhwani	Beklya(Balwari)
180	Gandhwani	Borghata
181	Gandhwani	Dhursal
182	Gandhwani	Jirabad
183	Gandhwani	Khedi Balwari
184	Gandhwani	Dhantalab
185	Gandhwani	Sali
186	Gandhwani	Soyla
187	Gandhwani	Satumari
188	Gandhwani	Vasli
189	Gandhwani	Garwal
190	Gandhwani	Gandhwani
191	Gandhwani	Khod
192	Gandhwani	Kheda
193	Gandhwani	Chikli (Balwari)
194	Gandhwani	Mohanpura
195	Gandhwani	Khojakuwa
196	Gandhwani	Moripura
197	Gandhwani	Bakhatala
198	Gandhwani	Malhera
199	Gandhwani	Anjantad
200	Gandhwani	Kosdana

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District - Dhar		
SI. No	Tehsil	Village/Town Name
201	Gandhwani	Balnera
202	Gandhwani	Dhegda
203	Gandhwani	Songaon
204	Gandhwani	Khandlai
205	Gandhwani	Pipli
206	Gandhwani	Sendla
207	Gandhwani	Barahamangaon
208	Gandhwani	Dedli
209	Gandhwani	Kabarwa
210	Gandhwani	Julwaniya
211	Gandhwani	Tongaon
212	Gandhwani	Lalgard
213	Gandhwani	Kundi
214	Manawar	Temriya
215	Manawar	Balipur
216	Manawar	Gulati
217	Manawar	Kuradkhal
218	Manawar	Kalwani
219	Manawar	Lakhankot
220	Manawar	Bhagiyapura
221	Manawar	Banediya
222	Manawar	Daswi
223	Manawar	Jhapadi
224	Manawar	Guradiya

District - Dhar		
SI. No	Tehsil	Village/Town Name
225	Manawar	Dedla
226	Manawar	Bhesawad
227	Manawar	Anjanya
228	Manawar	Rantalaw
229	Manawar	Soliyapura
230	Manawar	Singhana
231	Manawar	Bramhanpuri
232	Manawar	Palasi
233	Manawar	Budhiyakhedi
234	Manawar	Mehtakhedi
235	Manawar	Karondiya Khurd
236	Manawar	Sala
237	Manawar	Khatiyapura
238	Manawar	Kundi
239	Manawar	Pipaltoka
240	Manawar	Koswada
241	Manawar	Pachkheda
242	Manawar	Bhogdad
243	Manawar	Khumanpura
244	Manawar	Borood
245	Manawar	Borli
246	Manawar	Dewla
247	Dahi	Silkuwa

During presentation PP stated that area is covered under the Panchayats Extension to Scheduled Areas (PESA) Act, 1996 (PESA) act. The committee observed that the project involved Forest Land of 220.44 ha and PP has applied on -line for forest clearance vide reference no. **FP/MP/HYD/IRRIG/447025/2023**.

The EMP/EIA and other submissions made by the PP were found to be satisfactory and acceptable. **After deliberations and the submissions and presentation made by the PP were found to be satisfactory and acceptable hence, the case is recommended for grant of Prior Environment Clearance for Kukshi Micro Lift Irrigation Project in an area of 75,000 ha.(CCA), Gross command area (GCA- 140972 Hectare, at 247 villages of Gandhwani, Kukshi, Dahi & Manawar tehsils of Dhar district (MP) , takes off discharge of 29.25 Cumecs from Narmada River near village Chikhaldia in Dist. Dhar, Cat. 1(c) River Valley and Hydroelectric Projects with following conditions:**

Specific conditions

1. Use of ground water during construction of the project will be kept to minimum.
2. Adequate safety measures for laborers to be implemented as part of labour management plan. Further, for children of workers, project proponent/contractor will ensure establishment of an Anganwadi centre at the construction site.
3. Adequate budget will be provided by the project for establishing crèche with a mid-day meal for children while the laborers are at work.
4. Power for entire SCADA system should from renewable source.
5. The project proponent (PP) may explore the possibility of relocating large trees instead of felling them to minimize ecological impact.
6. Environmental management and Biodiversity conservation:
 - i. A total of 20 ha area will be covered for plantation under Green Belt.
 - ii. The species to be planted will be chosen in consultation with local villagers and will be site specific.
 - iii. Budget has been prepared for plantation and maintenance for 5 years @ Rs. 88000 per hectare i.e. a total provision of Rs. 17.60 lakh has been made.
 - iv. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
 - v. Compensatory afforestation programme shall be implemented as per the plan approved, if applicable.
7. Socio-economic
 - i. Land acquired for the project shall be suitably compensated in accordance with the prevailing guidelines of the state government and provisions under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and

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- Resettlement Act, 2013
- ii. The compliance of above conditions shall be monitored by IRO, MoEF&CC and regularly site visit once in year. The compliance report of IRO shall be regularly submitted to MoEF&CC/SEIAA through PARIVESH.
 - iii. Skill development Centre shall be established within 10 km radius of the project and regular training programmes for development and promotion of traditional art/products of tribal/local population
 - iv. A budgetary provision of Rs. 5611.29 Lakh is made for Environmental Management Plan with Rs 4374.40 lakh as capital cost and Rs 1136.89 lakh as recurring cost.
 - v. Under CER Rs 100.00 Lakh is envisaged for proposed for following various activities.

S. No.	Component	Amount (Rs. in lakh)
1.	Education & Infrastructure facilities (toilets/drains) in local 10 nearby villages, Anganwadi, Schools.	20.00
2.	Infrastructure and medical equipment facilities in local 10 nearby village Primary Health Centres.	20.00
3.	Distribution of fruit bearing species for nearby villagers	05.00
4.	Health Checkups, Vaccination Camps and Aid to Veterinary hospitals for medical equipments at local 10 nearby villages	25.00
5.	Habitat Development (Bio-diversity) & Labor Welfare Activities in Dinosaur Fossil NP and Sardarpur WLS, Dhar.	25.00
6.	Skill Development Trainings for youth of nearby 10 villages through NVDA.	05.00
TOTAL		100.00

- 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

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Standard EC Conditions for River Valley projects:

1(c)	River Valley/Irrigation projects
Statutory compliance	
1.	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.
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3.	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).
4.	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.
5.	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC; if applicable
6.	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores. if applicable
7.	If any public property (Burial Ground, Graveyard, Chabutra, Paramparik Narmada Parikrama Path) comes under the submergence, Restoration work/Alternate site will be provided by NVDA in consultation with local community or Gram Panchayat.
8.	Compensation for land and property acquiring for the project will be done "as per the provisions mentioned in the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013.
Air quality monitoring and preservation	
1.	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

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2.	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.
3.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.
Water quality monitoring and preservation	
1.	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 (if applicable).
2.	Remodelling 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 (if applicable).
3.	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. (if applicable)
4.	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. (if applicable)
5.	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. (if applicable)
6.	Mixed irrigation shall be practised 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 (if applicable).
7.	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/EMP report (if applicable).
Noise monitoring and prevention	
1.	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.
2.	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.

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Catchment Area Treatment Plan	
1.	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. (if applicable)
Waste management	
1.	Muck disposal 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.
2.	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.
Green Belt and Wildlife Management	
1.	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. (if applicable)
2.	Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
3.	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.
4.	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
5.	Compensatory afforestation programme shall be implemented as per the plan approved.
6.	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 (if applicable)
Public hearing and Human health issues	
1.	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
2.	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.

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3.	Preventive measures viz. fumig 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.
4.	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.
5.	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.
Risk Mitigation and Disaster Management	
1.	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
2.	Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
3.	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan.
Corporate Environment Responsibility	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017- IA.III dated 30th September, 2020, as applicable, regarding Corporate Environment Responsibility.
2.	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
3.	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.
4.	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.

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5.	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.
6.	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.
7.	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report the Committee shall be uploaded in the website of the Company.
8.	Formation of Water User Association/Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	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.
4.	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.
5.	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.
6.	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
7.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

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8.	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.
9.	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).
10	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.
11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13	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.
14	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.
15	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

4. **Case No 9769/2023 Shri Mool Maravi, Executive Engineer, Narmada Development Division No. 2, Civil Line, Near SBI Bank, District-Mandla (MP)-481661. Prior Environment Clearance for Raghavpur Multi-Purpose Project and 25 MW Powerhouse in an area of over CCA of 17587 ha. Gross command area -25124 ha, Irrigable command area-17587 ha, Dam length- 580.00 m dam maximum height of 61.00 m, Gross storage 645.20 MCM, Live storage of 489.96 MCM at Village-Marwari, Tehsil-Shahpura, District-Dindori (MP). [under River Valley and Hydroelectric Projects], SIA/MP/RIV/518399/2023. FoR -EIA Presentation.**

This is a River Valley projects involving > 10,000 ha. of culturable command area falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA.

This is case of Prior Environment Clearance for Raghavpur Multi-Purpose Project and 25 MW Powerhouse [under River Valley and Hydroelectric Projects] in an area of over CCA of 17587 ha. at Village-Marwari, Tehsil-Shahpura, District-Dindori (MP).

Earlier, in the SEAC 632th meeting dated 21.03.2023 ToR was recommended for this project.

Summary of the Project:

The Raghavpur Multipurpose Project is located near Marwari village of Shahpura Tehsil in Dindori District of Madhya Pradesh having latitude 23°00'59"N and longitude 80°53'03"E. The site can be located on toposheet no. 64A/16, 64B/13, 64F/1 and 64E/4. The site is situated about 50 km. away from Dindori and 108 km away from Mandla District H.Q.

The project is planned by NVDA as part of Bargi system along with other projects to store and distribute Narmada water for drinking and irrigation out of Madhya Pradesh share of water as per NWDT award. The Narmada River basin drains out very fast which causes scarcity of surface and ground water in surrounding areas. No further development in the agriculture, industrial, and other activities is possible without enriching the region with water. By creating major storages, development of presently backward area is possible. There is sufficient culturable land hence this scheme is necessary to provide irrigation in remote and backward area as well as to resolve flood control problem in the downstream areas.

Bargi System will face a shortage of the order of 900MCM, which in turns demands creation of additional storage of at least 600MCM with reservoir operational factor of

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1.5 to effectively remove the water deficit of 900 MCM of the Bargi Reservoir. Integrating Bargi reservoir with Raghavpur, and Basania (another planned project of NVDA on Narmada) is considered extremely important to have adequate storage capacity.

The project comprises of four main components namely Head Works (earthen dam with Central Spillway and Appurtenant works), Pump House, Distribution Chamber, Pressurized Canal works and Power House. The important project components are:

- 580.00 m long Dam with a maximum height of 61.00 m.
- 171.00 m long Central Spillway & 224.00 m NOF including key wall (on both side) with 9 gates (15mx17m each)
- 185.00 m long earthen section on either side of the Dam portion
- Storage capacity - gross storage 645.20 MCM, live storage of 489.96 MCM

Pressurized pipe system of approx. 62.60 Km long with micro network system to irrigate 17587 ha. area of Dindori district is part of the project. Submergence area at FRL of 665m is 4600 ha. Breakup of land under submergence is as under:

1. No. of villages partially submerged : 48 no.
2. Total submergence area in hectare : 4600 ha
 - (a) Private Land : 2636 ha (Irrigated-1054 ha, Unirrigated- 1582 ha)
 - (b) Government/Revenue land : 1952 ha
 - (c) Forest land : 12.00 ha
3. Submergence of private land will affect about 957 families, who will be compensated as per the law.

Command Area details are as follows:

1. Gross command area : 25124 ha
2. Irrigable command area : 17587 ha
3. Proposed Rabi area : 17587 ha
4. Proposed Kharif area : 0 ha
5. Annual Irrigation : 17587 ha.

Salient features of Raghavpur Multipurpose Project are as under:

LOCATION		
1	State	MadhyaPradesh
2	District	Dindori
3	Tehsil/Block	Shahpura
4	ToposheetNo	64A/16,64B/13,64F/1,64E/4

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5	Latitude	23°00`59``N
6	Longitude	80°53`03``E
7	River	Narmada
8	RiverSubBasin	Narmada
9	RiverBasin	Narmada
10	Tribal/Non-Tribal	Tribal
11	Distance	50KmfromDindoriand108KmfromMandla
13	Irrigationproposed	17587Ha
HYDROLOGY		
1	CatchmentArea	3228Sq. Km
2	MaximumFloodDischarge(PMF)	23656Cumec
3	AvailablerunoffatRaghavpur	
	(i) 50% Dependable Yield	1743.12MCM
	(ii) 75% Dependable Yield	1297.66MCM
	(iii) 90% Dependable Yield	965.17MCM
RESERVOIR DATA		
1	GrossStorage	645.20MCM
2	LiveStorage	489.96MCM
3	DeadStorage	155.24MCM
4	GrossAreaofSubmergenceatF.R. L	4600Ha
5	PrivateLand	2636Ha
6	GovernmentLand	1952Ha
7	ForestLand	12.00Ha
8	Details of Villages Submerged	
	No. of Villages Fully Submerged	Nil
	No. of Villages Partially Submerged	48 Nos of Villages (1. Khurparryt, 2. Junwani mal, 3. Padariyart, 4. Raipuramal, 5. Marwahiryrt, 6. Kalagitola mal, 7. Kalagitolaryt, 8. Sakkamal, 9. Mudhiya mal, 10. Khairdaryt, 11. Bargaryt, 12. Sakkaryt, 13. Kisalpurimal, 14. Chhaparimal, 15. Chhapariryrt, 16. Rampurimal, 17. Dindori(Np), 18. Soobkharmal, 19. Imlaimal, 20. Imlairyrt, 21. Rahangimal, 22. Deoramal, 23. Vicharpurryt, 24. Chauramal, 25. Chauraryt, 26. Chhindgaonmal, 27. Chhindgaonryt, 28. Kurkwaramal, 29. Kurkwararyt, 30. Mudhiya Kalanmal, 31. Mudiya khurd, 32. Saliwadamal, 33. Saliwadaryt, 34. Gangpurmal, 35. Soobkharryt, 36. Ghusiyaryt, 37. Auraimal, 38. Dhauraimal, 39. Dhaurairyrt, 40. Fadkimal, 41. Khameeryt, 42. Vidyapurryt, 43. Khamee mal, 44. Vikrampur ryt, 45. Jogitikariya, 46. Hinautamal, 47. Kevlarimal, 48. Kevlariryrt)

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		(maychangeaftertheDetailedsurvey)
9	FamilyAffected	Approx.957families
10	NosofBenefittedVillages	52 Nos
DAM DATA		
1	TypeofDam	CompositeDam
2	TotalLengthincludingearthenbund	580.00M
3	LengthofSpillway	171.00M
4	Height	61.00M
5	No. ofOpenings/Gates	9Nos
6	SizeofGates	15M(Width)X17M(Height)
7	CrestLevel	648.00M
8	ThicknessofPier	4.50M
9	FreeboardaboveM.W.L.	2.50M
CONTROL LEVEL		
1	T.B.L.	669.00M
2	M.W.L.	666.50 M
3	F.R.L.	665.00 M
4	M.D.D.L.	648.00M
CANAL		
1	LengthofRisingMainandgravityMain	62.60KM(Approx)
2	Max. diaofRising MainorGravityMain	1.19M
3	PowerRequired	7.85MW
AREA PROPOSED UNDER IRRIGATION		
1	GrossCommandArea	25124Ha
2	CulturalCommandArea	17587Ha
3	CropKharif	Nil
4	CropRabi	17587Ha
5	Cropperennial	Nil
	Total	17587Ha
POWER		
1	PowerGeneration	(12.5x2=25)MW
COST BENEFIT RATIO		
1	Cost Benefit Ratio	1.51

During presentation committee suggested that in the project area there is possibility of getting fossils and if such situation arises the recovered fossils shall be deposited with concerned DFO. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Since project involves 12.00ha. Forest area, F.C. clearance has to be obtained by PP and copy of the same should be submitted with EIA report.
2. Detailed diagrammatic representation of command area and any of the submergence area shall be prepared and appended with EIA report.
3. Status of land as per land record register of concerned collector.
4. CAT plan shall be prepared and the same shall be approved by the concerned DFO.
5. KML of FC clearance and EC clearance shall be submitted with EIA report with forest compartment history as per current forest plan.
6. Thematic diagram showing channel from water lifting point to the distribution area shall be submitted with EIA report.
7. Details of actual area occupied by pipes and other area (such as for movement of trucks and logistic support) shall be calculated and discussed in the EIA report.
8. In the project area there is possibility of getting fossils and if such situation arises the recovered fossils shall be deposited with concerned DFO.
9. It shall also be verified if any area is falling under PESA Act, 1996, if yes their provisions shall accordingly be complied.
10. Tectonics, seismicity and history of past earthquakes in the area. A site specific study of the earthquake parameters will be done. The results of the site specific earthquake design shall be sent for approval of the NCSDP (National committee of Seismic Design Parameters, Central water commission, New Delhi for large dams.
11. If any issue involved to R&R, shall be elaborated in EIA with proper provisions issued by various State /central Government orders/ notification. In case of R&R is proposed then list of all the Project Affected Families (PAFs) with their name, age, educational qualification, family size, sex, religion, caste, sources of income, land & house holdings, other properties, occupation, source of income, house/land to be acquired for the project and house/land left with the family, any other property, possession of cattle, type of house etc.
12. Resettlement and Rehabilitation Plan needed to be prepared on the basis of findings of the socio- economic survey coupled with the outcome of public consultation held. The R&R package shall be prepared after consultation with the representatives of the project affected families and the State Government. Detailed budgetary estimates are to be provided. Resettlement site should be identified. The plan will also incorporate community development strategies.
13. Special attention has to be given to vulnerable groups like women, aged persons etc. and to any ethnic/indigenous groups that are getting affected by the project.
14. Impacts of blasting activity during project construction which generally destabilize the land mass and leads to landslides, damage to properties and drying up of natural

springs and cause noise population will be studied. Proper record shall be maintained of the baseline information in the post project period.

15. All muck disposal sites should be minimum 30 m away from the HFL of river. The quantity of muck to be generated and the quantity of muck proposed to be utilized shall be calculated in consultation with the project authorities. Details of each dumping site viz. area, capacity, total quantity of muck that can be dumped etc. should be worked out and discussed in the plan. Plan for rehabilitation of muck disposal sites should also be given. The L-section / cross section of muck disposal sites and approach roads should be given. The plan shall have physical and financial details of the measures proposed. Layout map showing the dumping sites vis-à-vis other project components will be prepared and appended in the chapter.
16. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
17. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
18. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
19. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
20. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
21. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
22. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
23. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
24. Muck management plan wrt machinery deployment and movement of trucks shall be discussed in the EIA report.
25. An inventory of flora & fauna based on actual ground survey shall be presented and assessment of ecological services and damage with respect to flora & fauna air, water, land and other environmental attributes shall be studied and reported in EIA report.
26. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
27. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.

28. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.

The EIA was presented by the Mr. Ravinder Bhatia, Env. Consultant from M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon (Haryana) along with PP and Chief Engineer Shri B.L.Verma .

PROJECT BRIEF

- Raghavpur Project is a multi-purpose project consisting of irrigation, hydro-power and drinking water components.
- The dam is proposed to be constructed across Narmada River near Marwari village in Dindori district.
- The project is designed with one earthen dam with a central spillway and a powerhouse to serve a command of 17,587 ha (CCA) during Rabi season spread over 52 villages.
- The micro irrigation system is designed for supply of water for 120 days (Rabi season) at the rate of 0.35 lps/ha i.e. 6.158 cumec discharge for 120 days i.e. 59.86 MCM of water per season.
- This will be ensured by constructing Raghavpur dam having storage of the reservoir formed by dam as 726.87 MCM with live storage of 564.74 MCM.
- The total land requirement for Project is estimated as 4959.24 ha. Out of which, 3559.25 ha is private land, 1387.95 ha is government revenue land and remaining is 12.039 ha of forest land.
- In addition to this, there is a requirement for temporary land requirement of 28.228 ha for construction facilities.
- Project's submergence will spread over 4873.22 ha of government, private land, and forest land.
- Three pumphouses will be constructed to lift water for the pressurized irrigation system.
- A network of pipelines comprising of pressurized pipe system of approximately 448.818 km km with micro irrigation system through rising main, gravity mains and distribution networks has been proposed to serve a command.
- Cost (in Lakhs) : Rs. 114427/- One Lakh Forteen Thousand Four Hundred Twenty Seven Lakh(s) Only
- Benefit cost ratio is 1.51

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PROJECT DETAILS

LOCATION	
State	Madhya Pradesh
District	Dindori
Tehsil/Block	Shahpura
River	Narmada
Culturable Command Area	17,587 ha
HYDROLOGY	
Catchment Area	3228 sq km
Maximum Flood Discharge	23656 cumec
Available runoff at Raghavpur	
50% dependable yield	1743.12 MCM
75% dependable yield	1297.66 MCM
RESERVOIR DATA	
Gross Storage	726.87 MCM
Live Storage	564.74 MCM
Dead Storage	162.13 MCM
Gross Area of Submergence at FRL	4873.22 ha
DETAILS OF VILLAGES	
No of villages fully submerged	Nil
No of villages partially submerged	45
Families affected based on preliminary assessment	5268
No of benefitted villages	52
DAM DATA	
Type of Dam	Composite dam
Total length including earthen bund	580.00 m
Length of spillway	171.00 m
Height	61.00 m
No of Openings/Gates	9 No
Size of Gates	15 m width & 17 m height
Crest level	635.5 m
Free board above MWL	2.50 m
CONTROL LEVEL	
T.B.L.	658.00 m
M.W.L.	655.50 m
F.R.L.	654.00 m
M.D.D.L.	635.5 m
CANAL	
Length of Rising Main & Gravity Main	448.818 km (Approx)
Power required	7.85 MW
AREA PROPOSED UNDER IRRIGATION	
Gross Command Area	25,124 ha
Culturable Command Area	17,587 ha
Crop Kharif	Nil

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Crop Rabi	17,587 ha
Crop perennial	Nil
Total	17,587 ha
POWER	
Power generation	25 MW (2 x 12.5 MW)
COST BENEFIT RATIO	1.51

The micro irrigation system is designed for supply of water for 120 days (Rabi season) at the rate of 0.35 lps/ha i.e. 6.158 cumec discharge for 120 days i.e. 59.86 MCM of water per season. The power requirement for lifting water through one pumphouse has been worked out as 7.85 MW. There will be one powerhouse with an installed capacity of 25 MW (2 x 12.5 MW).

Total Land Requirement is of 4959.24 ha out of which :-

- Private Land: 3559.25 ha
- Government/ Revenue Land: 1387.95 ha
- Forest Land : 12.039 ha

Component	Private Land (ha)	Govt./ Revenue Land (ha)	Forest land (ha)	Total (Ha)
Submergence	3539.33	1321.85	12.039	4873.22
Dam (D/s)	8.04	39.56		47.59
Power House		0.67		0.67
Approach Roads for powerhouse	0.09	0.33		0.42
Client buildings and other associated structures	2.00	8.00	0.00	10.00
Permanent approach roads	9.8	1		10.8
Permanent land for dumping yard	0	16.537	0	16.537
	3559.25	1387.95	12.039	4959.24

The committee observed that the project involved forest land of 12.039 ha and Stage-I Forest clearance for diversion for diversion of 12.039 ha of forest land has been accorded on 11th June 2024 against proposal no. FP/MP/HYD/IRRIG/427294/2023 dated 26th April 2023 by Regional Office, Bhopal of Ministry of Environment, Forest & Climate Change (MOEF&CC). Project involves 45 villages as affected due to private land acquisition in Shahpura and Dindori tehsils of Dindori district. A total of 5268 project affected families have been provisionally identified from 45 villages of which 1304 families have been identified as displaced families. *(This list is provisional and the final list will be prepared and declared under Section 11 of the Act)*. Financial requirement for implementation of Rehabilitation and Resettlement Scheme and Economic

Development Package as per the provisions laid down in the RFCT_LARR Act, 2013 works out to be Rs. 253.64Crore.

SEAC observed that there is no Protected Area in the vicinity of the proposed project. Ghughua Fossil National Park is located at a distance of 29.10 km from the project area; hence wildlife clearance is not applicable.

SEAC deliberated the following issues about the proposed project:

1. Proposed Raghavpur project reservoir will act as additional storage for irrigation and will improve availability of water in both left and right bank canals of Bargi reservoir which would help meeting additional or sudden demand of irrigation water in command areas spread over Jabalpur, Narsinghpur, Rewa and Satna and will also enhance the intensity of irrigation.
2. The government lands of 1378 ha in the 45 villages are transferred in the name of NVDA and the Sec-11 of 45 villages is completed and the Sec-19 of 5 villages is completed.
3. Rehabilitation and Resettlement Scheme and Economic Development Package as per the provisions laid down in the RFCT_LARR Act, 2013 works out to Rs. 253.64Crore and has been approved by the Divisional Commissioner, Jabalpur. Special package has also been prepared and is under government's consideration. The land of 27.39 ha for Rehabilitation and Resettlement is identified in the Mudiyakalan Village, Shahpur Tehsil, Dindori District.
4. The grama sabhas have been conducted as per the collector's order in all 19 panchayats, in which 16 panchayats gave positive consent, and 3 panchayats gave negative consent for the construction of the dam.
5. SEAC discussed the water availability in the area especially during non-monsoon months. SEAC was concerned that this being a dry area, there will be water shortage and during construction phase, construction water requirement will impact other users especially if the construction water will be drawn from ground. Project proponent explained that the contractor will build a coffer dam on adjacent tributaries and store water, which will be used for construction purposes. Drawl of ground water will be kept to minimum during the construction phase.
6. SEAC enquired about the labour management plan and how the workers with families especially small children will be taken care of during construction period. SEAC further observed that provisions of creche is made for workers children, however, budget proposed seems to be inadequate.
7. Adequate provision for environmental flow (e-flow) must be ensured especially during lean season

8. The committee observed that the project will meet most of its lifting power requirement through in house generation. Lifting power requirement has been calculated as 7.85 MW as against the installed generation capacity of 25 MW in the project. Power for entire SCADA system should from renewable source.
9. SEAC observed that According to the Red Data Book of Indian Plants, none of the plant species found in the study area are listed as endangered species.
10. As per the IUCN List of Threatened Species (version 2022-2), Teak (Sagon) is listed under Endangered category, Marotti/ Chaulmugra, Shisham, Garari (Poisonous Gooseberry), and Bhirra are under Vulnerable category, Bel and Vijaysar are under Near Threatened category.
11. SEAC also enquired about the safety of the dam and what will happen in case of dam failure. Project proponent explained that dam designs are reviewed and approved by Office of the Chief Engineer Bureau of Design (Bodhi) Water Resources Department to ensure safety of the structures. Further, their consultant as part of EMP has carried out dam break modeling using MIKE 11 and inundation areas have been identified. On completion of construction of the project and before impounding, a detailed disaster management plan will be prepared and dovetailed with District Disaster Management Plan.

Public Hearing Meeting was conducted in at Government Secondary School Village Ghusiya Maal, Tehsil & District Dindori, Madhya Pradesh on 30th June 2024. Locals have welcomed the project and have demanded the scheme be implemented as soon as possible as due to shortage of water in the region, there is not adequate water to irrigate land and proposed scheme will bring economical self-independence and prosperity in the region.

Following commitments were made during public hearing:

- Basic facilities will be developed in affected villages under the Local Development Management Plan.
- A special proposal for land compensation has been sent to the government, offering amounts higher than current land values. Compensation will be provided as per the Land Acquisition, Rehabilitation, and Resettlement Act 2013 (RFCT_LARR).
- Financial provisions under the Local Development Management Plan include education, health, electricity, water, and the beautification of places of worship.
- Irrigation water will be provided to 52 villages in Dindori district through the proposed project.
- Skill development training and assistance for new livelihood opportunities will be provided to women associated with self-help groups.

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- Fair compensation is proposed for submerged land, trees, and crops.
- Assistance for ongoing self-help group schemes and employment opportunities for displaced individuals is included in the plan.
- **Raghavpur Multipurpose Project - List of Benefitted Villages**

S. N o.	District	Tehsil	Village Name
1	Dindori	Shahpura	Kalagitola Mal.
2	Dindori	Shahpura	Kalagitola Ryt.
3	Dindori	Shahpura	Marwari (Chaubisa)
4	Dindori	Dindori	Ghusiya Mal.
5	Dindori	Dindori	Ghusiya Ryt.
6	Dindori	Dindori	Mudhiya Khurd
7	Dindori	Dindori	Keolari Ryt.
8	Dindori	Dindori	Padariya Ryt.
9	Dindori	Dindori	Junwani Mal.
10	Dindori	Dindori	Khurpar Ryt.
11	Dindori	Dindori	Mudhiya Kalan Mal.
12	Dindori	Dindori	Kurkwarra Mal.
13	Dindori	Dindori	Kurkwarra Ryt.
14	Dindori	Dindori	Vidaypur Ryt.
15	Dindori	Dindori	Khamhee Mal.
16	Dindori	Dindori	Khamhee Ryt.
17	Dindori	Dindori	Fadki Mal.
18	Dindori	Dindori	Imlai Ryt.
19	Dindori	Dindori	Imlai Mal.
20	Dindori	Dindori	Kisalपुरी Mal.

S. N o.	District	Tehsil	Village Name
21	Dindori	Dindori	Chhapari Ryt.
22	Dindori	Dindori	Rampuri Mal.
23	Dindori	Dindori	Khairda Ryt.
24	Dindori	Dindori	Sakka Mal.
25	Dindori	Dindori	Sakka Ryt.
26	Dindori	Shahpura	Raghopur Ryt.(Radhopur Ryt.)
27	Dindori	Shahpura	Raghopur Mal.(Radhopur Mal.)
28	Dindori	Shahpura	Paundi Mal.(Sidho)
29	Dindori	Shahpura	Khamhariya Mal. (Sidho)
30	Dindori	Shahpura	Sidho Mal.
31	Dindori	Shahpura	Chaubisa Ryt.Urf Sakari Tola
32	Dindori	Dindori	Mighrodi Mal.
33	Dindori	Dindori	Diyawar Ryt.
34	Dindori	Dindori	Singarpur Mal.
35	Dindori	Dindori	Palki Mal.
36	Dindori	Dindori	Bargai Mal.
37	Dindori	Dindori	Nariya Mal.
38	Dindori	Dindori	Barbasपुर Mal.

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S. No.	District	Tehsil	Village Name
39	Dindori	Dindori	Barbaspur Ryt.
40	Dindori	Dindori	Surajpura Mal.
41	Dindori	Dindori	Balpur Mal.
42	Dindori	Dindori	Balpur Ryt.
43	Dindori	Dindori	Rakariya Ryt.
44	Dindori	Dindori	Surajpura Ryt.
45	Dindori	Dindori	Kachnari Ryt.

S. No.	District	Tehsil	Village Name
46	Dindori	Dindori	Bhainswahi Ryt.
47	Dindori	Dindori	Chargaon Ryt.
48	Dindori	Dindori	Ganjara Ryt.
49	Dindori	Dindori	Lalpur Mal.
50	Dindori	Dindori	Dhanwasi Ryt.
51	Dindori	Dindori	Bahera Mal.
52	Dindori	Dindori	Salaiya Ryt.

PP submitted that Forest clearance for diversion of 12.039 ha of forest land has been accorded on 11th June 2024 against proposal no. FP/MP/HYD/IRRIG/427294/2023 dated 26th April 2023 by Regional Office, Bhopal of Ministry of Environment, Forest & Climate Change (MOEF&CC).

प्रस्तुतीकरण के दौरान समिति ने पाया कि प्रस्तावित परियोजना के लिये तीन ग्रामसभाओं (चौरामाल, विद्यपुर रैयत, मुडियाकला मॉल) ने आपत्ति दर्ज कराई है जो भूमि अधिग्रहण एवं मुआवजे से संबंधित हैं, पर्यावरणीय मुद्दों से नहीं है। अतः इन आपत्तियों का निराकरण विधि/नियमों के अनुक्रम में कर लिया जाये।

The EMP/EIA and other submissions made by the PP were found to be satisfactory and acceptable. **After deliberations and the submissions and presentation made by the PP were found to be satisfactory and acceptable hence, the case is recommended for grant of Prior Environment Clearance for Raghavpur Multi-Purpose Project and 25 MW Powerhouse in an area of over CCA of 17587 ha. Gross command area -25124 ha, Irrigable command area-17587 ha, Dam length- 580.00 m dam maximum height of 61.00 m, Gross storage 645.20 MCM, Live storage of 489.96 MCM at Village-Marwari, Tehsil-Shahpura, District-Dindori (MP) with following conditions:**

Specific conditions

1. Use of ground water during construction of the project will be kept to minimum. Contractor will build a coffer dam and store river water for project construction.

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2. Adequate safety measures for labourers to be implemented as part of labour management plan. Further, for children of workers, project proponent/contractor will ensure establishment of an Anganwadi centre at the construction site.
3. Adequate budget will be provided by the project for establishing crèche with a mid-day meal for children while the labourers are at work.
4. Adequate provision for environmental flow (e-flow) must be ensured as per the NGT's order, which directs that all the rivers in the Country shall maintain minimum 15 % to 20% of the average lean season flow of that river.
5. Power for entire SCADA system should be from renewable source.

6. **Environmental management and Biodiversity conservation:**
 - i. A budgetary provision of Rs. 292.53 Crore is made for Environmental Management Plan as Rs 267.96 Crore as capital cost and Rs 24.58 Crore as recurring cost.
 - ii. Muck disposal (3,00,000 cum) be carried out only in the approved and earmarked site. The dumping site 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.
 - iii. As part of CAT, normal afforestation in 130 ha, enrichment plantation in 196 ha, assisted natural regeneration in 154 ha and agroforestry in 47.0 ha have been proposed at a budget outlay of Rs. 3.49 crores. In addition to these Green belt development will comprise of plantations at various places like alongside roads and around the periphery of reservoir rim. The species to be planted will be chosen in consultation with local villagers and will be site specific. Total provision for proposed green belt has been made as Rs 24.55 lakh.
 - iv. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
 - v. Compensatory afforestation programme shall be implemented as per the plan approved, if applicable.
 - vi. The Environmental Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/EMP reports. 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 be updated proportionately.
 - vii. Necessary control measures such as water sprinkling arrangements, and construction of paved roads leading to muck disposal sites etc. shall be taken up on priority to arrest fugitive dust at all the construction site

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7. Socio-economic

- i. Land acquired for the project shall be suitably compensated in accordance with the prevailing guidelines of the state government and provisions under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013. Financial requirement for implementation of R&R Package works out to Rs. 253.64 Crore.
- ii. The compliance of above conditions shall be monitored by IRO, MoEF&CC and regularly site visit once in year. The compliance report of IRO shall be regularly submitted to MoEF&CC/SEIAA through PARIVESH.
- iii. Skill development Centre shall be established within 10 km radius of the project and regular training programmes for development and promotion of traditional art/products of tribal/local population
- iv. Under CER Rs **15.77 Crore** is envisaged for proposed for following various activities.

S. No	Focus Area/Activities	Cost (Rs. Lakh)
A	Education	105.00
B	Health care	102.00
C	Infrastructure development	750.00
D	Animal husbandry, fishery & horticultural activities	110.00
E	Skill development & training	100.00
F	Livelihood enhancement for economic self-reliance	50.00
G	Environment	140.00
H	Common interest activity (Socio-Cultural Activity)	120.00
I.	Other activities proposed by village panchayats/ district administration during construction	100.00
	Grand Total	1577.00

- 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

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Standard EC Conditions for River Valley projects:

1(c)	River Valley/Irrigation projects
Statutory compliance	
1.	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.
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3.	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).
4.	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.
5.	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.
6.	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores.
7.	If any public property (Burial Ground, Graveyard, Chabutra, Paramparik Narmada Parikrama Path) comes under the submergence, Restoration work/Alternate site will be provided by NVDA in consultation with local community or Gram Panchayat.
8.	Compensation for land and property acquiring for the project will be done "as per the provisions mentioned in the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013.
Air quality monitoring and preservation	
1.	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.

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2.	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.
3.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.
Water quality monitoring and preservation	
1.	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 (if applicable).
2.	Remodelling 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 (if applicable).
3.	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.
4.	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.
5.	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.
6.	Mixed irrigation shall be practised 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 (if applicable).
7.	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/EMP report (if applicable).

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Noise monitoring and prevention	
1.	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.
2.	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.
Catchment Area Treatment Plan	
1.	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.
Waste management	
1.	Muck disposal 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
2.	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.
Green Belt and Wildlife Management	
1.	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.
2.	Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
3.	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.

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4.	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.
5.	Compensatory afforestation programme shall be implemented as per the plan approved.
6.	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
Public hearing and Human health issues	
1.	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
2.	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
3.	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.
4.	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.
5.	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.
Risk Mitigation and Disaster Management	
1.	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
2.	Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
3.	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan.
Corporate Environment Responsibility	

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1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017- IA.III dated 30th September, 2020, as applicable, regarding Corporate Environment Responsibility.
2.	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
3.	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.
4.	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.
5.	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.
6.	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.
7.	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report the Committee shall be uploaded in the website of the Company.
8.	Formation of Water User Association/Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes.
Miscellaneous	

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1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	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.
4.	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.
5.	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.
6.	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.
7.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8.	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.
9.	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).
10	Concealing factual data or submission of false/fabricated data may result in revocation of clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11	The Ministry may revoke or suspend the clearance, if implementation of any of the satisfactory.
12	The Ministry reserves the right to stipulate additional conditions if found necessary. The bound manner shall implement these conditions.

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13	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.
14	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.
15	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a prescribed under Section 16 of the National Green Tribunal Act, 2010.

5. Case No 9808/2023 M.P. Water resources Department, O/o Engineer-in-Chief, Jal Sansadhan Bhawan, Tulsi Nagar, Bhopal (MP)-462003, Prior Environment Clearance for Hat Pipaliya Micro Lift Irrigation Project [under River Valley and Hydroelectric Projects] in an area of 164845 ha instead of 129903 ha. at Villages of Dewas, Bagli & Kannod Tehsil of Dewas District and Barwaha Tehsil of Khargone District (MP). EIA.

This is case of Prior Environment Clearance for Hot Pipaliya Micro Lift Irrigation Project [under River Valley and Hydroelectric Projects] initially planned for an area of **129903 ha.** and later the CCA is proposed to be enhanced to **164845 Ha** at Villages of Dewas, Bagli & Kannod Tehsil of Dewas District and Barwaha Tehsil of Khargone District (MP).

Now WRD proposes to enhance the Culturable Command Area of the project from 129903 Ha to 164845 Ha.: 479 villages. It was informed that in view of enhance CCA the effected area shall be as follows:

Forest Area	792.08 Ha
Non-forest Area	961.97 Ha
Total effected area	1754.05 Ha

Further, it was submitted by the PP that no change in any of the other attributes of the project is proposed. Accordingly, the case was re-submitted to SEIAA for second amendment in the TOR.

Based on the submissions and the observations committee decided to recommend the case for issue of amended TOR for the project with inclusion of following additional TOR:

- 1. Socio-environmental Impacts shall be evaluated in the entire CCA (164845 Ha.) & effected area (1754.05Ha) and presented in the EMP.**
- 2. Details of land-acquisition if any shall be presented with applicable plans.**

Earlier, this case was discussed in the 638th Meeting dated 18th April 2023 and in the corrigendum in SEAC 704th Meeting dated 19/12/2023 and in the 710th SEAC meeting dated 05/01/2024.

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Chronology of the case

Earlier TOR recommended in SEAC 638 th Meeting dated 18 th April 2023.	TOR recommended
Due to Amendment TOR was recommended in SEAC 704 th Meeting dated 19 th December 2023.	WRD proposes to enhance the Culturable Command Area of the project from 129903 Ha to 164845 Ha, it was submitted by the PP that no change in any of the other attributes of the project is proposed. Accordingly, the case was re-submitted to SEIAA for second amendment in the TOR.
Due to PP request Amendment TOR was recommended in SEAC 710 th Meeting dated 05/01/2024.	WRD proposes to enhance the Culturable Command Area of the project from 129903 Ha to 164845 Ha.: 479 villages. It was informed that in view of enhance CCA the effected area shall be as follows:

The EIA presented by the Mr. Ravinder Bhatia, Env. Consultant from M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon (Haryana) along with PP Shri Jadoun, Executive Engineer, Water Resources Department (WRD), Dewas (MP).

PROJECT BRIEF

- The main objective of Hatpipaliya Micro Irrigation Project is to provide irrigation facilities to the water-scare areas where the level of irrigation is very less as compared to national irrigation percentage.
- It will cater irrigation water to 1,64,845 Ha CCA in 477 Villages of Bagli, Hatpipaliya, Satwas, Dewas, Dewas Nagar, Kannod and Udainagar Tehsils of Dewas district & 2 village of Barwaha Tehsil of Khargone District.
- In the proposed scheme 458.49 MCM of water will be lifted from ISP reservoir (Narmada River) where two lifting points have been identified one is near village Bankapalas in Khandwa district and other is near village Fatehgarh in Dewas district.
- Project involves 10 Pump Stations, 5 Distribution Chambers and 3 Balancing Reservoirs with capacity enhancement and 1 Balancing Reservoir without capacity enhancement.
- The project involves 961.97 Ha of Private land and 792.08 Ha of Forest Land.
- Cost (in Lakhs): Rs. 603240/- Six Lakh Three Thousand Two Hundred Forty Lakh(s) Only.
- Benefit cost ratio is 1:1.57.

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PROJECT DETAILS

Name of the Project	Hatpipaliya Micro Lift Irrigation Project
Type of the Project	Lift Irrigation
Supply Source/Lifting Point	ISP reservoir near village Bankapalas in Khandwa district and near village Fatehgarh in Dewas district.
Latitude/Longitude	22°18'44" N/ 76°30'57" E and 22°25'28" N/76°47'7" E
District	Dewas & Khargone (Command Area) Khandwa (Lifting Point)
Village to be benefited	479 nos.
Delivery Point	Near village 11. Panjariya (PS-2) 12. Koop (DC-1) 13. Jhikrakheda (DC-2) 14. Nagda (DC-3) 15. Dongali (DC-4) 16. Borani (DC-5) 17. Fatehgarh (PS-7) 18. Balya (SPS-2)
Length of Main Canal (in m) (for Irrigation project);	61000 (61 kms)
Length of Distributaries (in m) (for Irrigation project) :	15400000 (15400kms)
Cultural Command Area (ha) :	1,64,845 Ha
Water Needed	458.49 MCM
Nearest Major Town	Dewas
Nearest Railway station	Dewas 46 km
Nearest airport	Devi Ahilyabai Holkar International Airport, Indore 160 km
Nearest IMD station	IMD station – Bhopal (Bairagarh)
Seismic Zone	Zone-III Moderate Risk Zone
Any Religious/ Historical Place/ Archaeological monuments	No
Ecological sensitive area / Reserve Biosphere / Reserve Forest	No

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PP further submitted that a total 458.49 cumecs of water is proposed to be lifted from Indira Sagar Reservoir near Bankapalas village in Khandwa district and Fatehgarh village in Dewas district. The power required to lift the same is about 151.39 MW. This has been planned to be supplied from MPPKVCL

Total Land Requirement is of **1754.05 ha** out of which: -

- Private Land: 961.97 ha (Pump House, Distribution chamber and Balancing Reservoir).
- Forest Land : 792.08 ha (Pump House, Pipe Network, Transmission Line and Balancing Reservoir).

Public Hearings for the Hatpipaliya Irrigation Project were conducted by Madhya Pradesh State Pollution Control Board (MPSPCB) on 25th July 2024 in Khandwa district, on 30th July 2024 in Dewas district and on 31st July 2024 in Khargone district.

25.07.2024	11:00 am	Gram Pamakhedi, Tehsil Punasa, District Khandwa
30.07.2024	11:00 am	Office of Executive Engineer, WRD, Kalani Bagh, Tarani Colony, A.B. Road, District Dewas
31.07.2024	11:00 am	Gram Badel, Tehsil Barwaha, District Khargone

Following commitments were made during public hearing:

1. Extensive exercise for alternate location to relocate Koop Tank was done, No feasible location was found.
2. Compensation for land and property acquiring for the project will be done "as per the provisions mentioned in the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013.
3. The contracting agency is instructed to provide employment to local people as per their qualifications.
4. Plantation will be done on a large Scale; however, 34,072 nos. sapling has already been planted.
5. Irrigation facilities will be provided in all villages under the command area of this project.
6. The contracting agency will hire the vehicle as per the requirements of the project by contacting the concerned villagers.
7. The Sanwer Lift irrigation project does not belong to the Water Resource Division, Dewas.
8. The objective of this project is to provide water for irrigation.

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During presentation PP stated that none of the areas is covered under the Panchayats Extension to Scheduled Areas (PESA) Act, 1996 (PESA) act. PP further submitted that the committee observed that the project involved Forest Land of 792.08 ha. of forest land. Case has been submitted, and 833.53 ha Compensatory Afforestation Land has been provided. Forest Case reference no. is FP/MP/HYD/IRRIG/462621/2024. However, Stage I forest clearance from MoEF&CC is yet to be issued.

The committee observed that the project involved Forest Land of 792.08 ha. of forest land. Case has been submitted, and 833.53 Ha Compensatory Afforestation Land has been provided. Forest Case reference no. is **FP/MP/HYD/IRRIG/462621/2024**.

• **Hatpipaliya MLIS - List of Benefitted Villages**

S. No.	District	Tehsil Name	Village Name
1	Dewas	Dewas	Mundaheda
2	Dewas	Dewas	Sinduriya
3	Dewas	Dewas	Khajuriya Parmar
4	Dewas	Dewas	Jawasya
5	Dewas	Dewas	Sutli
6	Dewas	Dewas	Dhammani
7	Dewas	Dewas	Sunwani Gopal
8	Dewas	Dewas	Chaplakhedi
9	Dewas	Dewas	Datotar
10	Dewas	Dewas	Panthmundla
11	Dewas	Dewas	Sumrakheda
12	Dewas	Dewas	Sabukhedi
13	Dewas	Dewas	Bhaisuni
14	Dewas	Dewas	Tumdawada
15	Dewas	Dewas	Hoshiyari
16	Dewas	Dewas	Dhabla

17	Dewas	Dewas	Jangli(Ramgarh)
18	Dewas	Dewas	Balakhedi
19	Dewas	Dewas	Barkhediman
20	Dewas	Dewas	Barkhedakayam
21	Dewas	Dewas	Haibatpura
22	Dewas	Dewas	Salamkhedi
23	Dewas	Dewas	Nijamadi
24	Dewas	Dewas	Mangrola
25	Dewas	Dewas	Lasurdiya Sonda
26	Dewas	Dewas	Bhanoli
27	Dewas	Dewas	Jiwajipura
28	Dewas	Dewas	Niklank
29	Dewas	Dewas	Sonda
30	Dewas	Dewas	Narkhedi
31	Dewas	Dewas	Kolukhedi
32	Dewas	Dewas	Kawadi
33	Dewas	Dewas	Agrod
34	Dewas	Dewas	Elaskhedi

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35	Dewas	Dewas	Mochikhedi
36	Dewas	Dewas	Ralamandal
37	Dewas	Dewas	Laxmipura
38	Dewas	Dewas	Merkhedi
39	Dewas	Dewas	Nalesara
40	Dewas	Dewas	Borkhediphattu
41	Dewas	Dewas	Akalya
42	Dewas	Dewas	Sutarkheda
43	Dewas	Dewas	Kabadi
44	Dewas	Dewas	Gorkhedi
45	Dewas	Dewas	Upadi
46	Dewas	Dewas	Tumni Mohammadpur
47	Dewas	Dewas	Bagana
48	Dewas	Dewas	Silakhedi
49	Dewas	Dewas	Lohana
50	Dewas	Dewas	Bijepur
51	Dewas	Dewas	Silawati
52	Dewas	Dewas	Jalalkhedi
53	Dewas	Dewas	Sindani
54	Dewas	Dewas	Tigariya Sancha
55	Dewas	Dewas	Naranjipur
56	Dewas	Dewas	Bodani
57	Dewas	Dewas	Limboda
58	Dewas	Dewas	Newari
59	Dewas	Dewas	Tumdawada
60	Dewas	Dewas	Sarola
61	Dewas	Dewas	Janoikhedi

62	Dewas	Dewas	Patlawada
63	Dewas	Dewas	Yashwantnagar
64	Dewas	Dewas	Mudka
65	Dewas	Dewas	Azizkhedi
66	Dewas	Dewas	Brahmankhedi
67	Dewas	Dewas	Nipanya
68	Dewas	Dewas	Mendkidhakad
69	Dewas	Dewas	Rajpura
70	Dewas	Dewas	Borkhedidhakad
71	Dewas	Dewas	Amlawati
72	Dewas	Dewas	Badamahalaspura
73	Dewas	Dewas	Amarpura
74	Dewas	Dewas	Gaddukhedi
75	Dewas	Dewas	Anandpurdungariya
76	Dewas	Dewas	Khatamba
77	Dewas	Dewas	Jamgod
78	Dewas	Dewas	Lasurdiya Chhatradhar
79	Dewas	Dewas	Singawada
80	Dewas	Dewas	Achlukhedi
81	Dewas	Dewas	Bairagarh
82	Dewas	Dewas	Bangar
83	Dewas	Dewas	Dewar
84	Dewas	Dewas	Badoli
85	Dewas	Dewas	Panchtalab
86	Dewas	Dewas	Hirli
87	Dewas	Dewas	Antraliya
88	Dewas	Dewas	Ant

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89	Dewas	Dewas	Sironj
90	Dewas	Dewas	Pawarda
91	Dewas	Dewas	Lohari
92	Dewas	Dewas	Rupakhedi
93	Dewas	Dewas	Hoshyarakhedi
94	Dewas	Dewas	Mareti
95	Dewas	Dewas	Barodpipalya
96	Dewas	Dewas	Hawankhedi
97	Dewas	Dewas	Ajampur Sutarkheda
98	Dewas	Dewas	Gadashapipalya
99	Dewas	Dewas	Tumni
100	Dewas	Dewas	Alipur
101	Dewas	Dewas	Lohar Pipalya
102	Dewas	Dewas	Sunwanimahankal
103	Dewas	Dewas	Sukalya
104	Dewas	Dewas	Nagora
105	Dewas	Dewas	Parwatipura
106	Dewas	Dewas	Narayangarh
107	Dewas	Dewas	Kumariya
108	Dewas	Dewas	Tigariya Chhota
109	Dewas	Dewas	Nagjhiri
110	Dewas	Dewas	Chhapri
111	Dewas	Dewas	Niwaniya
112	Dewas	Dewas	Gangardi
113	Dewas	Dewas	Bhadapipalya
114	Dewas	Dewas	Jamunya
115	Dewas	Dewas	Bhimakhedi

116	Dewas	Dewas	Gondalya
117	Dewas	Dewas	Bangarda
118	Dewas	Dewas	Koklakhedi
119	Dewas	Dewas	Guradiya(Bhil)
120	Dewas	Dewas	Bhangarh
121	Dewas	Dewas	Lasurdiyanajdeek
122	Dewas	Dewas	Dhamanda
123	Dewas	Dewas	Baloda
124	Dewas	Dewas	Barkhedakotapai
125	Dewas	Dewas	Bapchanayata
126	Dewas	Dewas	Satbardi
127	Dewas	Dewas	Khetakhedi
128	Dewas	Dewas	Bapchagujar
129	Dewas	Dewas	Kankund
130	Dewas	Dewas	Pitawala
131	Dewas	Dewas	Pitawali
132	Dewas	Dewas	Barkhedi
133	Dewas	Dewas	Awalya Pipalya
134	Dewas	Dewas	Khokariya
135	Dewas	Dewas	Churlaibadi
136	Dewas	Dewas	Churlaichhota
137	Dewas	Dewas	Sulyakheda
138	Dewas	Dewas	Morukhedi
139	Dewas	Dewas	Bhatkhedi
140	Dewas	Dewas	Patherguradiya
141	Dewas	Dewas	Dharukhedi
142	Dewas	Dewas	Aakya

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143	Dewas	Dewas	Merkhedi(Ankya)
144	Dewas	Dewas	Napakhedi
145	Dewas	Dewas	Hapakheda
146	Dewas	Dewas	Siroliya
147	Dewas	Dewas	Barotha
148	Dewas	Dewas	Kaladeh
149	Dewas	Dewas	Sadashivpura
150	Dewas	Dewas	Karmankhedi
151	Dewas	Dewas	Sendukhedi
152	Dewas	Dewas	Tolapura
153	Dewas	Dewas	Khatediya
154	Dewas	Dewas	Banjari
155	Dewas	Dewas	Ratedi
156	Dewas	Dewas	Nabipur
157	Dewas	Dewas	Nariyakheda
158	Dewas	Dewas	Dhanora
159	Dewas	Dewas	Anarhiya
160	Dewas	Dewas	Mahudiya
161	Dewas	Dewas	Sutarkheda(Marethya)
162	Dewas	Dewas	Sarpatti
163	Dewas	Dewas	Kelod
164	Dewas	Dewas	Bhilakheda
165	Dewas	Dewas	Padlya
166	Dewas	Dewas	Tigariya Goga
167	Dewas	Dewas	Timarni
168	Dewas	Dewas	Ranayar
169	Dewas	Dewas	Rewadi

170	Dewas	Dewas	Dungariya
171	Dewas	Dewas	Sunwani Karad
172	Dewas	Dewas	Gogya
173	Dewas	Dewas	Ishwarkhedi
174	Dewas	Dewas	Patada
175	Dewas	Dewas	Dakhnakhedi
176	Dewas	Dewas	Tinoniya
177	Dewas	Dewas	Sannod
178	Dewas	Dewas	Padampura
179	Dewas	Dewas	Nawdakhedi
180	Dewas	Dewas	Patadi
181	Dewas	Dewas	Kishangarh
182	Dewas	Dewas	Parwatpura
183	Dewas	Dewas	Gopalpura
184	Dewas	Dewas	Shukrawasa
185	Dewas	Dewas	Rudrawasa
186	Dewas	Dewas	Kaneriya
187	Dewas	Dewas	Hirapura
188	Dewas	Dewas	Dudhapura
189	Dewas	Dewas	Sarol
190	Dewas	Dewas	Amodiya
191	Dewas	Dewas	Panwasa
192	Dewas	Dewas	Antrakodi
193	Dewas	Dewas	Barodi
194	Dewas	Dewas	Raghogarh
195	Dewas	Dewas	Rupatta
196	Dewas	Dewas	Molay

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197	Dewas	Dewas	Baray
198	Dewas	Dewas	Karadiya
199	Dewas	Dewas	Chobapipalya
200	Dewas	Dewas	Gajnodkheda
201	Dewas	Dewas	Sajnodkheda
202	Dewas	Dewas	Dabalchooki
203	Dewas	Dewas	Akhepura
204	Dewas	Dewas	Mirzapur
205	Dewas	Dewas	Akabarpur
206	Dewas	Dewas	Pirbarkheda
207	Dewas	Dewas	Gabbapura
208	Dewas	Dewas	Bhagwanpura
209	Dewas	Dewas	Sulpa Kheda
210	Dewas	Dewas	Unknown
211	Dewas	Dewas Nagar	Khajuriya
212	Dewas	Dewas Nagar	Bhimsi
213	Dewas	Dewas Nagar	Chandana
214	Dewas	Dewas Nagar	Chhayan
215	Dewas	Dewas Nagar	Durgapura
216	Dewas	Dewas Nagar	Karnakhedi
217	Dewas	Dewas Nagar	Mukundkhedi
218	Dewas	Dewas Nagar	Mungawada
219	Dewas	Dewas Nagar	Nagukhedi

220	Dewas	Dewas Nagar	Rajoda
221	Dewas	Dewas Nagar	Siya
222	Dewas	Dewas Nagar	Jaitpura
223	Dewas	Dewas Nagar	Bilawali
224	Dewas	Dewas Nagar	Brahman Kheda
225	Dewas	Dewas Nagar	Dewaseniior
226	Dewas	Dewas Nagar	Dewasjunior
227	Dewas	Dewas Nagar	Itawa Gram
228	Dewas	Dewas Nagar	Kalukhedi
229	Dewas	Dewas Nagar	Nosrabad
230	Dewas	Dewas Nagar	Bavadiya
231	Dewas	Dewas Nagar	Beerakhedi Indranagar
232	Dewas	Dewas Nagar	Mendki Chak
233	Dewas	Dewas Nagar	Amona
234	Dewas	Dewas Nagar	Binjana Gaon
235	Dewas	Dewas Nagar	Anvatpura
236	Dewas	Dewas Nagar	Palnagarh
237	Dewas	Dewas Nagar	Balgarh Nai Abadi

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238	Dewas	Dewas Nagar	Rasulpur
239	Dewas	Dewas Nagar	Shakargarh
240	Dewas	Dewas Nagar	Nagda
241	Dewas	Hatpiplya	Shivpurmudla
242	Dewas	Hatpiplya	Nevri
243	Dewas	Hatpiplya	Rojadi
244	Dewas	Hatpiplya	Mankund
245	Dewas	Hatpiplya	Khajuriybina
246	Dewas	Hatpiplya	Guraiya
247	Dewas	Hatpiplya	Sumrakheda
248	Dewas	Hatpiplya	Chansiya
249	Dewas	Hatpiplya	Rehli
250	Dewas	Hatpiplya	Hatpipalya
251	Dewas	Hatpiplya	Tilyakhedi
252	Dewas	Hatpiplya	Limboda
253	Dewas	Hatpiplya	Arlawada
254	Dewas	Hatpiplya	Chandkhedi
255	Dewas	Hatpiplya	Babulya
256	Dewas	Hatpiplya	Manasa Karnawad
257	Dewas	Hatpiplya	Mahukheda
258	Dewas	Hatpiplya	Setkhedi
259	Dewas	Hatpiplya	Kajaliban
260	Dewas	Hatpiplya	Bagwada
261	Dewas	Hatpiplya	Kulawad
262	Dewas	Hatpiplya	Dehariya Sahu
263	Dewas	Hatpiplya	Semli Raisen

264	Dewas	Hatpiplya	Sadipura
265	Dewas	Hatpiplya	Gopi Guradiya
266	Dewas	Bagli	Jhikadakheda
267	Dewas	Bagli	Kawali
268	Dewas	Bagli	Barkhedasoma
269	Dewas	Bagli	Tissi
270	Dewas	Bagli	Bhamori
271	Dewas	Bagli	Mukundgarh
272	Dewas	Bagli	Gopalpura
273	Dewas	Bagli	Dhawadiya
274	Dewas	Bagli	Behari
275	Dewas	Bagli	Lakhwada
276	Dewas	Bagli	Garakhedi
277	Dewas	Bagli	Bijjukheda
278	Dewas	Bagli	Iklera
279	Dewas	Bagli	Ghudiya
280	Dewas	Bagli	Bawadikheda
281	Dewas	Bagli	Deo Pipalya
282	Dewas	Bagli	Lasudiyalad
283	Dewas	Bagli	Bhutadi
284	Dewas	Bagli	Sekadapura
285	Dewas	Bagli	Palasihema
286	Dewas	Bagli	Samgi
287	Dewas	Bagli	Bamankhedi
288	Dewas	Bagli	Polay
289	Dewas	Bagli	Agurli
290	Dewas	Bagli	Umariya

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291	Dewas	Bagli	Pipalyajan
292	Dewas	Bagli	Pipalya Sahab
293	Dewas	Bagli	Matmor
294	Dewas	Bagli	Bedamhow
295	Dewas	Bagli	Chapada
296	Dewas	Bagli	Amarpura
297	Dewas	Bagli	Makadiya
298	Dewas	Bagli	Gunera
299	Dewas	Bagli	Guneri
300	Dewas	Bagli	Awalda
301	Dewas	Bagli	Awaldi
302	Dewas	Bagli	Bijankhedi
303	Dewas	Bagli	Nayapura
304	Dewas	Bagli	Chariya
305	Dewas	Bagli	Shivpur
306	Dewas	Bagli	Semalkhedi
307	Dewas	Bagli	Boranya
308	Dewas	Bagli	Khamkhedi
309	Dewas	Bagli	Chhatarpura
310	Dewas	Bagli	Khedihana
311	Dewas	Bagli	Ariya
312	Dewas	Bagli	Guradiya Kalan
313	Dewas	Bagli	Gordhanpura
314	Dewas	Bagli	Kamath
315	Dewas	Bagli	Sujapura
316	Dewas	Bagli	Guradiya Khurd
317	Dewas	Bagli	Jorawarpura

318	Dewas	Bagli	Semlikheda
319	Dewas	Bagli	Sabalgarh
320	Dewas	Bagli	Panjariya
321	Dewas	Bagli	Bawadikheda
322	Dewas	Bagli	Chawara
323	Dewas	Bagli	Guwadi
324	Dewas	Bagli	Charbardi
325	Dewas	Bagli	Chaukadikalan
326	Dewas	Bagli	Sewanya Khurd
327	Dewas	Bagli	Ambapani
328	Dewas	Bagli	Koop
329	Dewas	Bagli	Rajgarh
330	Dewas	Bagli	Amodiya
331	Dewas	Bagli	Kirtankhedi
332	Dewas	Bagli	Jatashankar
333	Dewas	Bagli	Guradiyarao
334	Dewas	Bagli	Kothda
335	Dewas	Bagli	Salkhetya
336	Dewas	Bagli	Karnawad (NP)
337	Dewas	Bagli	Bagli (NP)
338	Dewas	Bagli	Harjipura
339	Dewas	Bagli	Udanpura
340	Dewas	Bagli	Mahukheda
341	Dewas	Bagli	Dehariya Dama
342	Dewas	Bagli	Kukdakheda
343	Dewas	Bagli	Chaukadikalan
344	Dewas	Bagli	Dehrikheda

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345	Dewas	Bagli	Sewanya Kalan
346	Dewas	Bagli	Pancholipura
347	Dewas	Bagli	Palasighat
348	Dewas	Bagli	Barjhai
349	Dewas	Bagli	Anantpura
350	Dewas	Bagli	Kishangarh
351	Dewas	Udainagar	Panjariya
352	Dewas	Udainagar	Kolughatta
353	Dewas	Udainagar	Punjabura
354	Dewas	Udainagar	Bhuriyapura
355	Dewas	Udainagar	Keotiyapani
356	Dewas	Udainagar	Sutaripura
357	Dewas	Udainagar	Borpadaw
358	Dewas	Udainagar	Postipura
359	Dewas	Udainagar	Palasi
360	Dewas	Udainagar	Rupalyapura
361	Dewas	Udainagar	Gadiya
362	Dewas	Udainagar	Borkhalya
363	Dewas	Udainagar	Birupura
364	Dewas	Udainagar	Laxminagar
365	Dewas	Udainagar	Kardi
366	Dewas	Udainagar	Chandupura
367	Dewas	Udainagar	Paraspipali
368	Dewas	Udainagar	Sovalyapura(Ghat)
369	Dewas	Udainagar	Bheekupura
370	Dewas	Udainagar	Mansingpura
371	Dewas	Udainagar	Pankua

372	Dewas	Udainagar	Ratatalai
373	Dewas	Udainagar	Dangadungi
374	Dewas	Udainagar	Neemkheda
375	Dewas	Udainagar	Agrakhurd
376	Dewas	Udainagar	Pipalpati
377	Dewas	Udainagar	Polakhal
378	Dewas	Udainagar	Imlipura
379	Dewas	Udainagar	Udainagar
380	Dewas	Udainagar	Udaipura
381	Dewas	Udainagar	Kotkhedi
382	Dewas	Udainagar	Sovalyapura
383	Dewas	Udainagar	Rampura
384	Dewas	Udainagar	Pipalya Lohad
385	Dewas	Udainagar	Mawadipura
386	Dewas	Udainagar	Anjankhunt
387	Dewas	Udainagar	Mirzapur
388	Dewas	Udainagar	Harambadi
389	Dewas	Udainagar	Hirapur
390	Dewas	Udainagar	Sabalgarh
391	Dewas	Udainagar	Bisali
392	Dewas	Udainagar	Jamasindh
393	Dewas	Udainagar	Deonalya
394	Dewas	Udainagar	Shyampura
395	Dewas	Udainagar	Pandutalab
396	Dewas	Udainagar	Sitapuri
397	Dewas	Udainagar	Anandnagar
398	Dewas	Udainagar	Nachanbor

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399	Dewas	Udainagar	Siralibid
400	Dewas	Udainagar	Mahigaon
401	Dewas	Udainagar	Borkhedi
402	Dewas	Udainagar	Kanad
403	Dewas	Udainagar	Tiwadia
404	Dewas	Udainagar	Semlikheda
405	Dewas	Udainagar	Papadapani
406	Dewas	Udainagar	Pipalyakhari
407	Dewas	Udainagar	Kalamtalai
408	Dewas	Udainagar	Ahirwas Buzurg
409	Dewas	Udainagar	Khajookhedi
410	Dewas	Udainagar	Guljarikamad
411	Dewas	Satwas	Badhawa
412	Dewas	Satwas	Burani
413	Dewas	Satwas	Sundrel
414	Dewas	Satwas	Hirapur
415	Dewas	Satwas	Kanda
416	Dewas	Satwas	Godna
417	Dewas	Satwas	Chorwan
418	Dewas	Satwas	Jinwani (Kantaphod)
419	Dewas	Satwas	Nimlay
420	Dewas	Satwas	Singodi
421	Dewas	Satwas	Eklera
422	Dewas	Satwas	Kitola Khurd
423	Dewas	Satwas	Khal
424	Dewas	Satwas	Pura
425	Dewas	Satwas	Bedgon

426	Dewas	Satwas	Salamatpura
427	Dewas	Satwas	Dabribuzurg
428	Dewas	Satwas	Balya
429	Dewas	Satwas	Bherupura
430	Dewas	Satwas	Mehandul
431	Dewas	Satwas	Semlibuzurg
432	Dewas	Satwas	Semlikhurd
433	Dewas	Satwas	Ghudiya
434	Dewas	Satwas	Baroda
435	Dewas	Satwas	Chichli
436	Dewas	Satwas	Pangri
437	Dewas	Satwas	Sikanderkhedi
438	Dewas	Satwas	Kitkhedi
439	Dewas	Satwas	Gadagaon
440	Dewas	Satwas	Nimasa
441	Dewas	Satwas	Panpat
442	Dewas	Satwas	Khiroda
443	Dewas	Satwas	Jinwani (Malagaon)
444	Dewas	Satwas	Borkhedi
445	Dewas	Satwas	Bichkuwa
446	Dewas	Satwas	Malagaon
447	Dewas	Satwas	Khapras
448	Dewas	Satwas	Gardijhawariya
449	Dewas	Satwas	Bardi
450	Dewas	Satwas	Bhandariya
451	Dewas	Satwas	Masuriya
452	Dewas	Satwas	Golaguthan

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453	Dewas	Satwas	Jhiranya
454	Dewas	Satwas	Tipras
455	Dewas	Satwas	Namanpur
456	Dewas	Satwas	Naraynapura
457	Dewas	Satwas	Fategarh
458	Dewas	Satwas	Baijagwada
459	Dewas	Satwas	Neemlay
460	Dewas	Satwas	Sendrani
461	Dewas	Satwas	Tumdi Kheda
462	Dewas	Satwas	Satwas (NP)
463	Dewas	Satwas	Golpura
464	Dewas	Satwas	Kitolabuzurg
465	Dewas	Satwas	Kuwagaon
466	Dewas	Satwas	Bhatbardi

467	Dewas	Satwas	Khari
468	Dewas	Satwas	Atwas
469	Dewas	Satwas	Godanapathar
470	Dewas	Satwas	Borkundiya
471	Dewas	Satwas	Tandi
472	Dewas	Kannod	Hatnora
473	Dewas	Kannod	Kalapatha
474	Dewas	Kannod	Maljipura
475	Dewas	Kannod	Hatnori
476	Dewas	Kannod	Bhilai
477	Dewas	Kannod	Kalwar
478	Khargone	Barwaha	Mendhi Kheda
479	Khargone	Barwaha	Badel

प्रस्तुतीकरण के दौरान समिति ने पाया कि प्रस्तावित परियोजना प्रस्तावक द्वारा प्रकरण के लिये फॉरेस्ट क्लीरिंग स्टेज-1 हेतु आवेदन किया गया है जिसमें अभी फॉरेस्ट क्लीरिंग स्टेज-1 की स्वीकृति लंबित है ।

The EIA/EMP and other submissions made by the PP were found to be satisfactory and acceptable. After deliberations and the submissions and presentation made by the PP were found to be satisfactory and acceptable hence, **the case is recommended for grant of Prior Environment Clearance for Hatpipaliya Micro Lift Irrigation Project in an area of 1,64,845 ha.(CCA), Gross command area (GCA- 2,31,932 Hectare, at 479 villages of Bagli, Hatpipaliya, Satwas, Dewas, Dewas Nagar, Kannod and Udainagar Tehsils of Dewas district & Barwaha Tehsil of Khargone District, lifting 458.49 MCM of water from ISP reservoir (Narmada River) where two lifting points have been identified one is near village Bankapalas in Khandwa district and other is near village Fatehgarh in Dewas district M.P. . Since, the PP has applied for Stage I forest clearance (FC) on line hence; the grant of EC is recommended subjected to the conditions to obtained Stage I forest clearance form competent authority with following conditions:**

Specific conditions

1. Use of ground water during construction of the project will be kept to minimum.
2. Adequate safety measures for laborers to be implemented as part of labour management plan. Further, for children of workers, project proponent/contractor will ensure establishment of an Anganwadi centre at the construction site.
3. Adequate budget will be provided by the project for establishing crèche with a mid-day meal for children while the laborers are at work.
4. Power for entire SCADA system should be from renewable source.
5. The project proponent (PP) may explore the possibility of relocating large trees instead of felling them to minimize ecological impact.

Environmental management and Biodiversity conservation:

- i. A budgetary provision of Rs. 52857.22 Lakh is made for Environmental Management Plan with Rs 51082.59 ha as capital cost and Rs 1774.63 lakh as recurring cost.
- ii. Muck disposal (59.85 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.
- iii. To improve green cover for floral and faunal improvement in the command, it is proposed that plantation along the approach channel, approach roads, inspection paths and along the boundary of pumphouses.
- iv. The total road length is approx. 25 km and single tree line is proposed on both sides of road.
- v. A total of 20.45 ha area will be covered for plantation under Green Belt.
- vi. The species to be planted will be chosen in consultation with local villagers and will be site specific.
- vii. Budget has been prepared for plantation and maintenance for 5 years @ Rs. 88000 per hectare i.e. a total provision of Rs. 18 lakh has been made.
- viii. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
- ix. Compensatory afforestation programme shall be implemented as per the plan approved, if applicable.

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Socio-economic

- i. Land acquired for the project shall be suitably compensated in accordance with the prevailing guidelines of the state government and provisions under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013
- ii. The compliance of above conditions shall be monitored by IRO, MoEF&CC and regularly site visit once in year. The compliance report of IRO shall be regularly submitted to MoEF&CC/SEIAA through PARIVESH.
- iii. Skill development Centre shall be established within 10 km radius of the project and regular training programmes for development and promotion of traditional art/products of tribal/local population
- iv. Under CER Rs **200** Lakh is envisaged for proposed for following various activities.

S. No	CER activities proposed	Year 1 (in Lakhs)	Year 2 (in Lakhs)	Year 3 (in Lakhs)	Year 4 (in Lakhs)	Year 5 (in Lakhs)	Total (in Lakhs)
1	Education & Infrastructure facilities (toilets/drains) in local 15 nearby villages, Anganwadi, Schools.	20	7	6	6	6	45
2	Infrastructure and medical equipment facilities in local 15 nearby village Primary Health Centres.	15	10	8	6	6	45
3	Distribution of fruit bearing species for nearby villagers	3	3	3	3	3	15
4	Health Checkups, Vaccination Camps and Aid to Veterinary hospitals for medical equipment's at local 15 nearby villages	9	9	9	9	9	45
5	Habitat Development (Biodiversity) & Labor Welfare Activities in Kheoni Wildlife Sanctuary.	4	4	4	4	4	20
6	Skill Development Trainings for youth of nearby 15 villages.	6	6	6	6	6	30
TOTAL							200

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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

Standard EC Conditions for River Valley projects:

1(c)	River Valley/Irrigation projects
Statutory compliance	
1.	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.
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3.	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).
4.	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.
5.	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.
6.	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores.
7.	If any public property (Burial Ground, Graveyard, Chabutra, Paramparik Narmada Parikrama Path) comes under the submergence, Restoration work/Alternate site will be provided by NVDA in consultation with local community or Gram Panchayat.
8.	Compensation for land and property acquiring for the project will be done "as per the provisions mentioned in the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013.
Air quality monitoring and preservation	
1.	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
2.	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

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	prescribed standards.
3.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.
Water quality monitoring and preservation	
1.	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 (if applicable).
2.	Remodelling 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 (if applicable).
3.	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.
4.	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.
5.	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.
6.	Mixed irrigation shall be practised 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 (if applicable).
7.	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/EMP report (if applicable).
Noise monitoring and prevention	
1.	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.
2.	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.
Catchment Area Treatment Plan	
1.	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.
Waste management	
1.	Muck disposal 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

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	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
2.	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.
Green Belt and Wildlife Management	
1.	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.
2.	Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
3.	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.
4.	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.
5.	Compensatory afforestation programme shall be implemented as per the plan approved.
6.	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
Public hearing and Human health issues	
1.	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
2.	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
3.	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.
4.	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.
5.	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.
Risk Mitigation and Disaster Management	
1.	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
2.	Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.

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3.	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan.
Corporate Environment Responsibility	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017- IA.III dated 30th September, 2020, as applicable, regarding Corporate Environment Responsibility.
2.	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
3.	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.
4.	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.
5.	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.
6.	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.
7.	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report the Committee shall be uploaded in the website of the Company.
8.	Formation of Water User Association/Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of

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	receipt.
3.	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.
4.	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.
5.	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.
6.	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.
7.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8.	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.
9.	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).
10	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.
11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13	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.
14	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.
15	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

6. **Case No P2/1022/2025 Shri OMPRAKASH GUPTA, EXECUTIVE ENGINEER WATER RESOURCES DIVISION SHIVPURI, O/o EXECUTIVE ENGINEER, WATER RESOURCES DIVISION, MAHUAR COLONY, SHIVPURI, MP - 473551 Prior Environment Clearance for Sangatha (Aer) Irrigation Project proposes to construct a 24.0 m high dam across Aer River near Rajor (Mahukheda) village to create 22.94 MCM of gross storage of water for irrigation. CCA- 4,677.97 ha., spread over 22 villages in Pichhore tehsil of Shivpuri District. Env. Cons: M/s. R. S. Envirolinks Technologies Pvt. Ltd. Gurgaon. B-2 Project**

This is a Sangatha (Aer) Irrigation Project. The project involving CCA > 2000 ha and < 10000 ha”, hence falls under category "B2" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA.

The case was presented by the Mr. Ravinder Bhatia, Env. Consultant from M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon (Haryana) along with PP Shri Vinod Kumar Sharma , Executive Engineer Water Resources Division Shivpuri, with the following details of the project:

PROJECT BRIEF

- The project is planned by WRD, MP to provide **irrigation water** to Pichhore Tehsil of Shivpuri District.
- The project is planned to cater irrigation water to **4677.97 ha of CCA in 22 villages in Pichhore Tehsil** of Shivpuri District.
- The project involves construction of a dam across Aer river, to create gross storage capacity of 22.94 MCM and live storage of 21.84 MCM.
- The project area lies in Shivpuri District.
- Proposed dam is 593 m long Dam with a maximum height of 24 m.
- Water will be supplied by lifting from the reservoir to distribution chamber through Rising Main of 17.656 km and thereafter it will be distributed in command by Gravity Main.
- A total of 1.824 cumec of water will be lifted in this scheme during Rabi season only
- Water shall be delivered upto 1 ha chak, beyond which cultivators shall connect their own line and sprinkler system.
- The project involves 7.97 Ha of Private land and 349.0 Ha of Forest Land

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- Cost (in Lakhs): Rs. 15510.54 Lakh (Fifteen thousand five hundred Ten and fifty four Lakh(s) Only)
- Benefit cost ratio is 1.1

Sangatha MLIS - List of Benefitted Villages

S. No.	District	Tehsil	Name of Village
1	Shivpuri	Pichhore	Rajaura
2	Shivpuri	Pichhore	Durgapur
3	Shivpuri	Pichhore	Gadhoiya
4	Shivpuri	Pichhore	Khadela
5	Shivpuri	Pichhore	Shivraj
6	Shivpuri	Pichhore	Deori Khurd
7	Shivpuri	Pichhore	Sular Pichhore
8	Shivpuri	Pichhore	Machmaur
9	Shivpuri	Pichhore	Kota
10	Shivpuri	Pichhore	Pali

11	Shivpuri	Pichhore	Chaura
12	Shivpuri	Pichhore	Neguwan
13	Shivpuri	Pichhore	Bapawali
14	Shivpuri	Pichhore	Khod
15	Shivpuri	Pichhore	Barela
16	Shivpuri	Pichhore	Todi Karera
17	Shivpuri	Pichhore	Dhannayagoan
18	Shivpuri	Pichhore	Ganesh Kheda
19	Shivpuri	Pichhore	Budhon Karera
20	Shivpuri	Pichhore	Chirwai
21	Shivpuri	Pichhore	Vijaypur Alias Kilhar
22	Shivpuri	Pichhore	Barod

PROJECT DETAILS

Name of the Project	Sangatha Medium Irrigation Project
Type of the Project	Irrigation
Supply Source	Aer River
Latitude/Longitude	77°53'15"E/ 25°14'00"N
District	Shivpuri
Village to be benefited	22 nos.
Length of Main Canal (in m) (for Irrigation project);	17656 m (17.656 km)
Length of Distributaries (in m) (for Irrigation project) :	
Cultural Command Area (ha) :	4677.97
Water Needed	1.824 cumec
Nearest Major Town	
Nearest Railway station	

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Nearest airport	
Nearest IMD station	IMD station – Bhopal (Bairagarh)
Seismic Zone	Zone-III Moderate Risk Zone
Any Religious/ Historical Place/ Archaeological monuments	No
Ecological sensitive area / Reserve Biosphere / Reserve Forest	No

Total Land Requirement is of **356.97 ha** out of which :-

- Private land: 7.97 ha
- Forest land: 349.0 ha

The committee observed that the project involved Forest Land of 349.0 ha and Stage-I forest clearance for diversion of 349.0 ha forest land has been accorded by MoEF&CC (Forest Conservation Division) vide letter dated 08/07/2024 (Proposal No.: **FP/MP/IRRIG/32935/2018**). 2 villages, Rajaura and Basai of Pichhore tehsil are affected due to private land acquisition. A total of 19 land owners from these 2 villages have been identified. There is no displacement involved in this project. No displacement is involved in the project. As per the Collector's guidelines, cost of private land is worked out as 24.55 lakh for 5.813 ha in Basai village and 7.60 lakh for 2.158 ha in Rajaura village i.e. a total of Rs. 32.15 lakh for 7.97 ha.

The EMP and other submissions made by the PP were found to be satisfactory and acceptable. After deliberations and the submissions and presentation made by the PP were found to be satisfactory and acceptable hence, **the case is recommended for grant of Prior Environment Clearance to Sangatha Medium Irrigation Project, proposed to construct dam on Aer river near Village Rajaura (Mahukheda) in Tehsil Pichhore of District Shivpuri. Maximum height of the dam is 24.0 M and gross storage of the dam 22.94 MCM. Project will serve irrigation in CCA 4677.77 hectare irrigation in 22 nos. villages of District Shivpuri., with following conditions:**

Specific conditions

1. Use of ground water during construction of the project will be kept to minimum. Contractor will build a coffer dam and store river water for project construction.
2. Adequate safety measures for laborers to be implemented as part of labour management plan. Further, for children of workers, project proponent/contractor will ensure establishment of an Anganwadi centre at the construction site.
3. Adequate budget will be provided by the project for establishing crèche with a mid-day meal for children while the laborers are at work.
4. Adequate provision for environmental flow (e-flow) must be ensured as per the NGT's order, which directs that all the rivers in the Country shall maintain minimum 15 % to 20% of the average lean season flow of that river.
5. Power for entire SCADA system should be from renewable source.

Environmental management and Biodiversity conservation:

- i. A total of 12.74 ha area will be covered for plantation under Green Belt.
- ii. The species to be planted will be chosen in consultation with local villagers and will be site specific.
- iii. Budget has been prepared for plantation and maintenance for 3 years @ Rs. 10000 per hectare i.e. a total provision of Rs. 12.74 lakh has been made.
- iv. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
- v. Compensatory afforestation programme shall be implemented as per the plan approved, if applicable.
- vi. The Environmental Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/EMP reports. 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 be updated proportionately
- vii. Necessary control measures such as water sprinkling arrangements, and construction of paved roads leading to muck disposal sites etc. shall be taken up on priority to arrest fugitive dust at all the construction site

Socio-economic

- i. Land acquired for the project shall be suitably compensated in accordance with the prevailing guidelines of the state government and provisions under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013
- ii. The compliance of above conditions shall be monitored by IRO, MoEF&CC and regularly site visit

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once in year. The compliance report of IRO shall be regularly submitted to MoEF&CC/SEIAA through PARIVESH.

- iii. Skill development Centre shall be established within 10 km radius of the project and regular training programmes for development and promotion of traditional art/products of tribal/local population
- iv. CER shall be undertaken as envisaged at a budget of Rs 50.25 Lakh; covering following activities.

Focus Area	Activity	Budget (Rs.)	Start Date	Time to completion	Responsibility
Education	Construction of library room with provision of books for primary school children at Rajor, Pali, Gadhoiya, Shivraj and Kota Villages @ Rs. 60,000 each	3,00,000.00	To start with start of construction	6 months	Executive Engineer of WRD for Sangatha project through school authorities
	Construction of computer centre with 5 PCs and other required infrastructure including a separate computer room at high school Khod village @ Rs. 5,00,000.00	5,00,000.00	To start with start of construction	12 months	Executive Engineer of WRD for Sangatha project through school authorities
	Support for teaching and learning materials in Anganwadis in Rajor, Pali, Gadhoiya, Shivraj and Kota village	2,00,000.00	To start with start of construction	3 months	Executive Engineer of WRD for Sangatha project through school authorities
	Construction and upgradation of new separate toilets for boys and girls at primary schools in Rajor, Pali, Gadhoiya and Shivraj village primary schools @ Rs. 1,00,000 in each school	4,00,000.00	To start with start of construction	6 months	Executive Engineer of WRD for Sangatha project through school authorities

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Focus Area	Activity	Budget (Rs.)	Start Date	Time to completion	Responsibility
Health Care	Infrastructure support to improve healthcare facility in hospital at Khod village – to add beds and equipment in two phases of 6 months each	10,00,000.00	To start with start of construction	12 months	Executive Engineer of WRD for Sangatha project through school authorities
	Medical/ Vaccination Camps including awareness program on health and hygiene in Rajor, Pali, Gadhoiya, Shivraj and Kota in every year @ Rs. 75,000 per camp	11,25,000.00	To start with start of construction	3 years	Executive Engineer of WRD for Sangatha project through school authorities
Habitat Development	Welfare Activities in Madhav National Park, Shivpuri	5,00,000.00	To start with start of construction	6 months	Executive Engineer of WRD for Sangatha project through school authorities
Skill Development	Support for meritorious students for higher studies. 5 students to be selected every year from affected villages and provided scholarship @ Rs. 20,000 each for 5 years.	5,00,000.00	To start with start of construction	The scheme will run for five years and if the budget is not exhausted will be extended further	Executive Engineer of WRD for Sangatha project through school authorities
Others	Distribution of fruit bearing species for nearby villagers over a period of 3 years of project construction	5,00,000.00	To start with start of construction	3 years	Executive Engineer of WRD for Sangatha project through school authorities
Total		50,25,000.00			

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- 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

Standard EC Conditions for River Valley projects:

1(c)	River Valley/Irrigation projects
Statutory compliance	
1.	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.
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3.	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).
4.	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.
5.	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.
6.	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores.
7.	If any public property (Burial Ground, Graveyard, Chabutra, Paramparik Narmada Parikrama Path) comes under the submergence, Restoration work/Alternate site will be provided by NVDA in consultation with local community or Gram Panchayat.
8.	Compensation for land and property acquiring for the project will be done "as per the provisions mentioned in the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013.
Air quality monitoring and preservation	
1.	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

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2.	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.
3.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.
Water quality monitoring and preservation	
1.	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 (if applicable).
2.	Remodelling 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 (if applicable).
3.	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.
4.	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.
5.	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.
6.	Mixed irrigation shall be practised 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 (if applicable).
7.	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/EMP report (if applicable).
Noise monitoring and prevention	
1.	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.

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2.	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.
Catchment Area Treatment Plan	
1.	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.
Waste management	
1.	Muck disposal 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
2.	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.
Green Belt and Wildlife Management	
1.	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.
2.	Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
3.	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.
4.	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.
5.	Compensatory afforestation programme shall be implemented as per the plan approved.
6.	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
Public hearing and Human health issues	

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1.	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
2.	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
3.	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.
4.	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.
5.	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.
Risk Mitigation and Disaster Management	
1.	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
2.	Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
3.	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan.
Corporate Environment Responsibility	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017- IA.III dated 30th September, 2020, as applicable, regarding Corporate Environment Responsibility.
2.	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.
3.	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.

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4.	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.
5.	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.
6.	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.
7.	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report the Committee shall be uploaded in the website of the Company.
8.	Formation of Water User Association/Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	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.
4.	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.
5.	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.

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6.	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.
7.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8.	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.
9.	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).
10	Concealing factual data or submission of false/fabricated data may result in revocation of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11	The Ministry may revoke or suspend the clearance, if implementation of any of the above satisfactory.
12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company bound manner shall implement these conditions.
13	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.
14	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.
15	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of prescribed under Section 16 of the National Green Tribunal Act, 2010.

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7. **Case No. P2/907/24 DMIC VIKRAM UDYOGPURI LIMITED, New Plot No. 152, Administrative Building, , Near Village Narwar, District Ujjain-456664 Prior Environment Clearance for MPIDC (Vikram Udyogpuri) has proposed a Common Effluent Treatment Plant (CETP) with 5 MLD capacity coming up at New Plot No. 152, Administrative Building, DMIC Vikram Udyogpuri Limited, Near Village Narwar, District Ujjain-456664 to treat wastewater from member industries situated at Industrial Estate and some neighboring areas. (EIA).**

The proposed project falls under item no 7(h) for Proposed Common Effluent Treatment Plant (CETP) with 5 MLD capacity coming up at New Plot No. 152, Administrative Building, DMIC Vikram Udyogpuri Limited, Near Village Narwar, District Ujjain, M.P. to treat wastewater from member industries situated at Industrial Estate and some neighboring areas.

Earlier this case was scheduled for presentation and discussion in SEAC 756th SEAC meeting dated 22.05.2024 wherein ToR was recommended.

SN	Projects Details	
1.	Online Proposal No	SIA/MP/INFRA2/472386/2024.
2.	Proposal /Activity Name Location of Project	Mr. S.K. Jain, Executive Engineer, M/s DMIC VIKRAM UDYOGPURI LIMITED, Administrative building, New plot No. 152, Village: Narwar, Tehsil & Distt.-UJJAIN (M.P.) 456664. <i>Prior Environment Clearance for Proposed 5 MLD CETP Vikram Udyogpuri Limited MPIDC (Vikram Udyogpuri) has proposed a Common Effluent Treatment Plant (CETP) with 5 MLD capacity coming up at New Plot No. 152, Administrative Building, DMIC Vikram Udyogpuri Limited, Near Village Narwar, District Ujjain-456664 to treat wastewater from member industries situated at Industrial Estate and some neighboring areas.</i> SIA/MP/INFRA2/472386/2024., Cat. 7(h) Common Effluent Treatment Plants (CETPs)
3.	Project Proposal For	Expansion.
4.	Description of Project	MPIDC (Vikram Udyogpuri) has proposed a Common Effluent Treatment Plant (CETP) with 5 MLD capacity coming up at New Plot No. 152, Administrative Building, DMIC Vikram Udyogpuri Limited, Near Village Narwar, District Ujjain-456664 to treat wastewater from member industries situated at Industrial Estate and some neighboring areas.
5.	Earlier EC/CTE/CTO of Existing Projects Proposal No.	SIA/MP/NCP/302164/2023. MPSEIAA Case No. 1728/2013. Date of environmental clearance: MPSEIAA issued vide letter No, 7213/MPSEIAA/2015 dated 05/11/2015
6.	ToR Status	Proposed.
7.	Land use planning	S.No. Particulars Total Area proposed – (Sq. Mt.)

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		1 Total Land Area 11702 2 Built up area 7758 2.1 CETP Area 7317 2.2 Utility-DG 335 2.3 R/M area 56 2.4 Office Block 50 3 Green Belt Area 3944
8.	Undertaking/ Affidavit	Affidavit submit dated 18/04/2024. ➤ PP Submit Affidavit – No litigation Pending. ➤ PP Submit Affidavit – Additional Construction Start PP submit Letter No. 33 dated 18/04/24. .
9.	DFO NOC	PP Apply Vide Letter No. 33 dated 18/04/24.
10.	DMIC-VIKRAM UDYOGPURI, UJJAIN LIST OF INTERESTED INDUSTRIES For CETP	23 No. (List Enclosed as per information uploaded on Parivesh Portal)
11.	Water Source	WTP, MPIDC
12.	Water Consumption	35 KLD
13.	Fuel	Natural Gas/ HSD.
14.	Land acquired in Sq. Mt.	11702 SQM.
15.	DG Set details	DG Set 1100 KVA * 1 Nos.
16.	Env. Con.	Consultant will be involved at the time of EIA.
17.	PFR	Submitted.
18.	Google image status	Coordinates
	1. 23° 5'31.58"N 75°56'39.62"E 2. 23° 5'33.11"N 75°56'42.22"E 2. 3. 23° 5'28.27"N 75°56'43.91"E 4. 23° 5'26.63"N 75°56'43.53"E 3. 5. 23° 5'26.42"N 75°56'40.09"E	

PP has submitted the EIA report on the Parivesh portal hence, this case was scheduled in the agenda for EIA presentation.

The EIA was presented by Env. Consultant Ms. Basanti Tapadia and Shri Manish Chandekar, from M/s. Perfect Enviro Solution Pvt. Ltd. Delhi along with PP Shri Sunil Kumar Paul wherein PP submitted that MPIDC (Vikram Udyogpuri) has proposed a Common Effluent Treatment Plant (CETP) with 5 MLD capacity coming up at New Plot No. 152, Administrative Building, DMIC Vikram Udyogpuri Limited, Near Village Narwar,

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District Ujjain to treat wastewater from member industries situated at Industrial Estate and some neighboring areas. Following salient features of the project submitted by the PP:

- DMIC Vikram Udyogpuri Limited has proposed expansion due to the upgradation of the existing Common Sewage Treatment Plant with 3 MLD into a Common Effluent Treatment Plant (CETP) with an increased capacity of 5 MLD which comes under the purview of EC as per EIA Notification, 2006 with category 7(h). This facility, located at New Plot No. 152, Administrative Building, near Village Narwar, District Ujjain-456664, is designed to treat wastewater from member industries situated in the Industrial Estate.
- The total water requirement for the proposed CETP is 35 KLD of fresh water which will be supplied by WTP, MPIDC.
- The treated water is also being used for green belts. The total green belt area includes the entire DMIC Vikram Udyogpuri region, covering approximately 71 hectares. Furthermore, the parameters of the treated water comply with the required standards, making it safe for reuse in the green belt.
- An area of 3944 sq. m. (33 %) of the allotted site area which is 11702 sq. m (1.1702 ha) is earmarked for green belt development. Native species will be considered for plantation.
- Project is proposed in a Notified Industrial Area, coming up at Plot No. 48 with the registered address New Plot No. 152, Administrative Building, Near Village Narwar, District Ujjain-456664, M.P. Hence, the public hearing is not applicable as the project is in a notified developed industrial area.

SALIENT FEATURES OF THE PROJECT:

Required Details	Project Details
Total Allotted land	11702 SQM (Plot No. 48)
Treatment Capacity	5 MLD
Cost of Project	25 Crore

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Power requirement	1100 KVA-MPEB
Air Scenario	DG sets (1100 KVA x 1 nos.), Fuel- HSD
	Boiler (2 TPH x 2 nos.), Fuel- Natural Gas
Total Water Requirement	35 KLD
Total Wastewater generation	25 KLD
Green belt Development	3944 SQM (33% of total area)
EMP cost (Capital)	24.75 Crore
EMP cost (Recurring)	9.10 Crore
Corporate Environmental Responsibility (CER)	25 Lakhs

S.No.	Particulars	Total Area proposed (SQM)
1	Total Land Area	11702
2	Built up area	7758
2.1	CETP Area	7317
2.2	Utility-DG	335
2.3	R/M area	56
2.4	Office Block	50
3	Green Belt Area	3944 (33%)

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- Effluents from various industries will be transported to the CETP plant with the help of SS (Stainless Steel) Pipelines/Water tankers.
- Industries like Amul, Iscon Balaji, Relsus India Pvt. Ltd., Rich Foods, DCM Nouvelle etc. for which CETP facility is proposed.
- The total wastewater going to be treated in the CETP is 5000 KLD and after treatment 4500 KLD of treated water will be returned to member industries for reuse, while 500 KLD will be redirected for utility+cleaning purposes. This cyclical process emphasizes the importance of water conservation and sustainable management practices within the system.
- The CETP is equipped with a SCADA system, and spare tanks are available for each holding capacity.
- An area of 3944 sq. m. (33 %) of the allotted site area which is 11702 sq. m (1.1702 ha) is earmarked for green belt development.
- Hazardous wastes shall be collected and stored with utmost care and shall be disposed of through Authorized recycler/ TSDF Site

Hazardous Waste Details

S. No.	Type of Waste	Cat.	Qty. MTPA	Disposal
1	Used/spent oil	5.1	5	Authorized recyclers
2	Wastes/residues containing oil	5.2	5	Authorized recyclers
3	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	33.1	10	Authorized recyclers
4	Spent ion exchange resin containing toxic metals	35.2	20	TSDF- Industrial Waste Management Private Limited (Common treatment, storage, disposal facility (CTSDf))

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5	Chemical sludge from wastewater treatment	35.3	11,000	Co-processing & TSDF
6	Oil and grease skimming	35.4	100	Authorized Recycler & TSDF

After deliberation it was observed by the committee that the EIA/EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend **the case for grant of Prior Environment Clearance for proposed Common Effluent Treatment Plant (CETP) with 5 MLD capacity coming up at New Plot No. 152, Administrative Building, M/s. DMIC Vikram Udyogpuri Limited, Near Village Narwar, District Ujjain-456664(M.P.) to treat wastewater from member industries situated at Industrial Estate and some neighboring areas.**, subject to the following special conditions:

I. Statutory Compliance

- i. The project proponent shall obtain forest clearance under the provision 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 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.
- iii. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.
- iv. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- v. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosive, Fire Department, etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

II. Air quality monitoring the preservation

- i. The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Diesel generating sets shall be installed, in the downwind directions.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24 x 7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules, 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according the equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Total water Requirement is 35 KLD , Total Wastewater generation shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- iii. The total wastewater going to be treated in the CETP is 5000 KLD and after treatment 4500 KLD of treated water will be returned to member industries for reuse, while 500 KLD will be redirected for utility+cleaning purposes. This cyclical process emphasizes the importance of water conservation and sustainable management practices within the system.
- iv. All hazardous waste generated from the proposed CETP project will be stored at designated place within the plant. All generated hazardous waste will send to nearest Common Hazardous Waste Treatment and Disposal Facility as per direction of MPPCB.
- v. There shall be flow meters at inlet and outlet of CETP to monitor the flow, suitable meters shall be provided to measures the quantity of effluent received quantity of effluent recycled/reused and discharged.
- vi. The units and the CETP will maintain daily log book of the quantity and quality of discharge from the units, quantity of inflow into CETP, details of the treatment at each stage of the CETP including the raw materials used, quantity of the treated water proposed to be recycled, reused within the Industrial park/units, quantity of the treated effluent discharged. All the above information shall be provided on-line of the web site exclusively prepared for the purpose by the CETP owner. The website shall be accessible by the public. The financial and energy details of the CETP will also be provided along with details of the workers of the CDTP.

- vii. The CETP operator will maintain an annual register of member units which will contain the details of products with installed capacities and quality and quantity of effluents accepted for discharge. This will form a part of the initial and renewal applications for consent to operate to be made before the State Pollution Control Board.
- viii. No Changes in installed capacity, quality or quantity of effluents as agreed upon in the initial MoU between the operator and the member units, addition of any new member units shall be carried without prior approval of the ministry.
- ix. The unit shall inform the State Pollution Control Board of any breakdown in the recycling system, store the effluents in the interim period and dispose effluents only as advised by the Pollution Control Board.
- x. The unit shall also immediately inform the Pollution Control Board of any breakdown in the recycling system store the effluents in the interim period effluents only as advised by the pollution Control Board.
- xi. The MoU between CETP and member units shall indicate the maximum quantity of effluent to be sent to the CETP along with the quantity.
- xii. The unit shall maintain a robust system of conveyance for primary treated effluents from the member units and constantly monitor the influent quality to the CETP. The Management of the CETP and the individual member shall be jointly and severally responsible for conveyance and pre-treatment of effluents. Only those units will be authorized to send their effluents to the CETP which have a valid consent of the Pollution Control Board and which meet the primary treated standards as prescribed. The CETP operator shall with the consent of the State Pollution Control Board retain the powers to delink the defaulter unit from entering the conveyance system.
- xiii. The effluent from member units shall be transported through pipeline. In case the effluent is transported through road, it shall be transported through CETP tankers only duly maintaining proper manifest system. The vehicles shall be fitted with proper GPS system.
- xiv. Before accepting any effluent from member units, the same shall be as permitted by the SPCB in the consent order. No effluent from any unit shall be accepted without consent from SPCB under the Water Act, 1974 as amended.
- xv. Treated water shall be disposed of on land for irrigation. An irrigation management plan shall be drawn up in consultation with and to the satisfaction of the State Pollution Control Board.
- xvi. The project proponent will build operate and maintain the collection and conveyance system to transport effluents from the industrial units in consultation with and to the satisfaction of the State Pollution Control Board and ensure that

the industrial units meet the primary effluent standards prescribed by the State Pollution Control Board.

- xvii. The State Pollution Control Board will also evaluate the treatment efficiency of the Effluent Treatment Plant (ETP) and its capability of meeting the prescribed standards. The final scheme of treatment would be such as is approved by the Pollution Control Board in the Consent to Establish.
- xviii. The project proponents will create an institutional arrangement for the involvement of individual members in the management of the CETP.

IV. **Noise monitoring and prevention**

- i. Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipment.

V. **Waste management**

- i. ETP sludge generated from CETP facility shall be handled and disposed of to nearby authorized TSDF site as per Hazardous and Other Waste Management Rules, 2016.
- ii. High sludge generation can overwhelm dewatering and disposal systems, resulting in sludge overflow, environmental contamination, and operational disruptions.
- Increase sludge handling and dewatering capacity.
 - Develop contingency plans for temporary sludge storage. Optimize sludge reduction processes and consider implementing advanced treatment technologies.
 - Regularly monitor and adjust operational parameters to manage sludge production using SCADA.
- iii. Non-Hazardous solid wastes and sludge arising out of the operation of the CETP shall be adequately disposed of as per the Consent to the available from the State Pollution Control Board.
- iv. Non Hazardous solid wastes and sludge shall not be mixed with Hazardous wastes.
- v. The CETP shall have adequate power back up facility, to meet the energy requirement case of power failure from the grid.
- vi. The site for aerobic composting shall be selected and developed in consultation with and to the satisfaction of the State Pollution Control Board. Odour and insect nuisance shall be adequately controlled.

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- vii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- viii. The solid wastes shall be segregated, managed and disposed of as per the norms of the Solid Waste Management Rules, 2016.

VI. Energy Conservation measures

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Reduction in energy consumption can be achieved by using LED lights wherever required as well as Street solar panel.

VII. Green Belt

- i. Green belt shall be developed in area as provided in project details, with native tree Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- ii. DMIC Vikram Udyogpuri Ltd. shall explore the total plantation of 3944 SQM out of the total allotted area of 11702 SQM. As per the proposed plantation Scheme is given in the table.

S. No.	Species	Qty	Location	Quantity
1	Ashoka	Saraca asoca	Main Gate and boundary wall	150
2	Neem	Azadirachta indica	Boundary Wall	100
3	Bakul	Mimusops elengi	Around water channel	60
4	Akash Neem	Melia azedarach	Boundary Wall	60
5	Karanj	Pongamia pinnata	Boundary wall	50
6	Kaner	Nerium oleander	Main gate	50
7	Amaltas	Cassia fistula	Boundary wall	40
8	PutranJeeva	Putranjiva roxburghii	Boundary wall	30

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9	Saptaparni	Alstonia scholaris	Main Gate	30
10	Peepal	religiosa	Main Gate	40
11	Banyan	benghalensis	Boundary wall	40
Total				650 No.

iii. Plantation will be carried out within the initial 3 years as per the plantation scheme.

IX. EMP & CER

- i. In the EMP, capital cost is Rs. 24.14 Lakh is and Rs. 9.10 Lakh /year as recurring expenses have proposed.
- ii. Under CER activity, Rs. 25.0 Lakh has proposed in different activities for 03 years and CER should be implemented through respective committees.

Due to falling in the brownfield project, we will invest 1% of the capital investment					
S. No.	Heads	CER Fund (Lakhs)	CER fund for each (in Lakhs)		
			1st Year	2nd Year	3rd Year
1.	Health Care & Social Development- Medical Camps, Awareness camps for Oral hygiene, School Infrastructure development Kawadi, Palkhanda, Bangar, Chandesara.	15	7	5	3

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2.	Free distribution of fruit-bearing plants to nearby villages- Gaowadi, Sonda, Bodani.	10	5	3	2
	Total	25 Lakhs			

- iii. The company shall have a well laid down environmental policy approved by the Board of Directors. The environment 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 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 report 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.
- vi. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

Miscellaneous

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environmental, Forest and Climate Change (MoEF&CC).
- iii. 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 (Protecting) Act, 1986.

- iv. The above conditions shall be enforced, inter-alia under the provision 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 amendment and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and nay other Court of Law relating to the subject.

8. Case No 10882/2023 Shri Vikash Ranjan Parida, Jt. General Manager, M/s MOIL Limited, MOIL Bhavan, 1 A Katol Road, District-Nagpur (MP)-440013.Prior Environment Clearance for Expansion of Manganese Mines in an area of 43.353 ha. (17000 TPA to 70000 TPA) (Khasra No.), Village-Sukli, Tehsil-Tirodi, District-Balaghat (MP) [470247].EIA PPT.

Earlier, for this case vide proposal no. SIA/MP/MIN/451685/2023 Standard ToR was issued for the Expansion of Manganese mines from production capacity of 17000 TPA to 70000 TPA in an area of 43.353 ha at Sitapathore village, Tirodi Tehsil, Balaghat district, Madhya Pradesh, MOIL BHAVAN, 1 A KATOL ROAD, NAGPUR dated 07-12-23 by the MP-SEIAA.

PP has submitted the EIA report on the Parivesh Portal which was scheduled in the agenda for EIA presentation.

PP has submitted the EIA report on the Parivesh Portal which was submitted on Parivesh Portal by the PP hence, the same was scheduled in the agenda for EIA presentation.

प्रस्तावित मैग्नीज ओर खदान बी-1 श्रेणी के अंतर्गत पूर्व पर्यावरणीय स्वीकृति के लिए ई.आई.ए. का है, जिसमें आज दिनांक 28/01/2025 को परियोजना प्रस्तावक श्री पी. करैया, कार्यपालन संचालक, (तकनीकी) अधिकृत प्रतिनिधि एवं उनके पर्यावरणीय सलाहकार Dr. Veezhinathan, EIA, Co-ordinator, M/s.ABC Techno Labs India Private Limited, Chennai उपस्थित हुए और उनके द्वारा समिति के समक्ष प्रस्तुतीकरण किया गया। प्रस्तुतीकरण के दौरान परियोजना प्रस्तावक ने मैग्नीज खदान क्षेत्र के संबंध में निम्न जानकारी प्रस्तुत की :-

- Mining of Manganese (Major Mineral), Expansion of Manganese mine from production capacity of 17000 TPA to 70000 TPA in an area of 43.353 ha at Sitapathore village, Tirodi Tehsil, Balaghat district, Madhya Pradesh proposed by M/s MOIL Limited.

1. Location of Project:

Mine	Sitapathore Mine (ML Area – 43.353 ha)
Village	Sitapathore

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Tehsil	Tirodi
District	Balaghat
State	Madhya Pradesh

2. Lease Detail: total Mining Lease (ML) area is 43.353 hectare, Khasra No. 201/6, 201/1, 202/2, 204/2, 206/1, 207/1, 208/1, 208/2,208/3; Lease is valid till 30.06.2032.
3. Lease area categorization: Entire 43.353 ha area is forest land. **Final forest clearance is granted by MoEF&CC vide F.No.8-81/2004-FC dated 14.11.2008. Corrigendum of the said order has been granted on 27.11.2008.**
4. Chronology of the proposal:

PARTICULAR	DATE
Mining Plan approved by Indian Bureau of Mines vide file no. E 7441 MCDR-MPC0Mn/10/2023-JBP-IBM_RO_JBP dated 27.10.2023	27.10.2023
ToR was issued by SEIAA Madhya Pradesh vide for expansion of the production capacity from 17,000TPA to 70,000TPA	
ToR Application vide Proposal No. SIA/MP/MIN/451685/2023	08.11.2023
ToR issued by SEIAA, M.P. vide File No. 10882/2023	01.12.2023
Baseline Data Collection Period	March-2023 to May-2023
Draft EIA submitted to Madhya Pradesh Pollution Control Board for public hearing	20.12.2023
Public Hearing Advertisement	1) Jabalpur Express (Hindi) on 02.02.2024 2) Nai Dunia (Hindi) on 02.02.2024
Public Hearing conducted	12.03.2024
Online Final EIA Submitted at Parivesh Portal. Proposal No. SIA/MP/MIN/470247/2024	27.04.2024

5. SALIENT FEATURES OF THE PROJECT:

DESCRIPTION	DETAILS
Name of the Project	Sitapatore Manganese Mine
Existing Production capacity	17000 TPA (Tons per annum)
Mine lease area	43.353 Ha
Geological Reserves	4,37,815.31 Metric Ton as on 27.10.2023
Bench Height (Average)	7.5 m
Bench Width (Average)	7.5 m
Life of Mine	7 Years
Mining Method & Technology	Opencast Mechanized (HEMM with deephole drilling) and recovery of saleable manganese ore from mineralized dump.
End Use of Mineral	ROM will be sorted to obtain Ferro-grade (>38% Mn), LGHS (30-35% Mn) & Silica grade (25-30% Mn) and fines (>20% Mn) etc. They will be sold to Steel industry, Ferro and silico alloy industries, etc.
Power requirement	The electricity connection will be taken from Madhya Pradesh Electricity Board, DG set are also proposed to be kept in case of failure of electricity.
Water requirement	Domestic Water Requirement: 5 KLD, Dust Suppression: 12 KLD, Plantation: 6 KLD, Recharge – 3 KLD, supply for irrigation – 4 KLD Total Water Requirement: 30 KLD Source: Ground Water and Mine Pit Water Renewal of NOC Granted by CGWA vide CGWA/NOC/MIN/REN/1/2024/9400 on 12/04/2024 which is valid till 24/09/2025.
Man power	Expansion Project will generate employment for about 17 persons directly. In addition, 100 people will be benefited indirectly (contractual employment).

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Fuel consumption	Diesel Consumption would be around 0.25 Lt/m ³ of vol. handled. Specific Diesel consumption may be reduced by proper maintaining gradient of haul road and reducing waiting time of dumper. Specific consumption will be reduced from 0.25 Lt/m ³ to 0.17 Lt/M ³ in 5 years time.
Infrastructure	Requisite infrastructure such as Rest shelters, First-aid center, drinking water supply, Site-offices, and toilets within the mining lease has been well developed for mining operation & allied activities after expansion of capacity.
R & R Involved	None
No. of affected families	None

6. Production Proposal: 70000 Tons per annum.
7. Geological Reserves: As per UNFC classification total reserves in the mine lease of 43.353 ha area is 4,37,815.31 Metric Ton as on 27.10.2023 (Code 111 – 3,41,921.84 Tonnes & Code 211 – 95,893.47 Tonnes).
8. Mining Methodology: Opencast Mechanized (HEMM with deephole drilling) and recovery of saleable manganese ore from mineralized dump. PP has also proposed to **introduce a new crushing and screening plant for sizing of ROM manganese ore before dispatch. (C&S plant will be capable of crushing and segregating manganese ore having compressive strength of 80 to 100 MPa and bulk density 3.0 Ton/Cu.M.).**

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9. Details of development and production are as follows:

Pit ID		Pit No. 6			
S.No.	Year	2023-2024	2024-2025	2025-2026	2026-2027
1	Bench	15	15	15	15
	Direction	NS	NS	NS	NS
2	Bulk density of over burden (BD1) (ton/m ³)	2.00	2.00	2.00	2.00
3	Bulk density of mineral (BD2)(ton/m ³)	3.50	3.50	3.50	3.50
4	Top soil volume (L x W x H) (m ³)	0.00	0.00	0.00	0.00
5	Over burden volume (L x W x H) (m ³)	1,61,748.00	1,25,935.0	1,07,135.0	1,38,651.0
6	Over burden quantity (t)	3,23,496.00	2,51,870.0	2,14,270.0	2,77,302.0
7	ROM volume (L x W x H) (m ³)	4842.29	14,608.57	14,150.57	14,646.86
8	ROM quantity (t)	16,948.01	51,129.99	49,526.99	51,264.01
9	Recovery	1.00	1.00	1.00	1.00
10	Mineral reject (t)	0.00	0.00	0.00	0.00
11	Production main (t)	16,948.01	51,129.99	49,526.99	51,264.01
12	Production associated (t)	Nil	0.00	0.00	0.00
13	Ore to OB ratio (ton/m ³)	9.5438	2.4630	2.1632	2.7046

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Pit ID		Pit No. 3			
S.No.	Year	2023-2024	2024-2025	2025-2026	2026-2027
1	Bench	8	10	11	13
	Direction	NS	NS	NS	NS
2	Bulk density of over burden (BD1) (ton/m ³)	2.00	2.00	2.00	2.00
3	Bulk density of mineral (BD2)(ton/m ³)	3.50	3.50	3.50	3.50
4	Top soil volume (L x W x H) (m ³)	0.00	0.00	0.00	0.00
5	Over burden volume (L x W x H) (m ³)	32,800.00	33,650.00	41,950.00	42910.00
6	Over burden quantity (t)	65,600.00	67,300.00	83,900.00	85,820.00
7	ROM volume (L x W x H) (m ³)	872.00	3,391.43	3,849.43	3,353.14
8	ROM quantity (t)	3052.00	11,870.00	13,473.00	11,735.99
9	Recovery	1.00	1.00	1.00	1.00
10	Mineral reject (t)	0.00	0.00	0.00	0.00
11	Production main (t)	3052.00	11,870.00	13,473.00	11,735.99
12	Production associated (t)	0.00	0.00	0.00	0.00
13	Ore to OB ratio (ton/m ³)	10.7471	2.8349	3.1136	3.6563

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The overall calculation summary of ROM, saleable ore, dump quantities are as follows:

S.No	Year	2023-2024	2024-2025	2025-2026	2026-2027	Total
1	(A) Total ROM quantity (t)	4,09,096.00	3,82,170.00	3,61,170.00	4,26,122.00	15,78,558.00
2	(B) Saleable ore from ROM (t)	20,000.00	63,000.00	63,000.00	63,000.00	2,09,000.00
3	(C) Proposed Dump Handling Quantity (t)	46,666.00	46,666.00	46,666.00	46,666.00	1,86,664.00
4	(D) Saleable Ore recovered from dump workings (t)	7,000.00	7,000.00	7,000.00	7,000.00	28,000.00
5	(E) Total Saleable Ore (t)=(B+D)	27,000.00	70,000.00	70,000.00	70,000.00	2,37,000.00
6	(F) Total Quantity Handled (t)=(A+C)	4,55,762.00	4,28,836.00	4,07,836.00	4,72,788.00	17,65,222.00

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Mine Design Parameter: Pit No. 6

Pit ID		Pit No. 6			
Sl.No.	Year	2023-2024	2024-2025	2025-2026	2026-2027
1	Max height and Min width of the benches in over Burden (m)	7.50	7.50	7.50	7.50
2	Slope of the bench in over burden (degree)	60.00	60.00	60.00	60.00
3	Max height and Minimum width of the benches in Mineral (m)	7.50	7.50	7.50	7.50
4	Slope of bench in Mineral and Overall slope of Pit (deg)	60.00	60.00	60.00	60.00
5	Number of benches in Top Soil	0	0	0	0
6	No. of Benches in over burden	13	13	13	13
7	Number of benches in mineral	2	2	2	2
8	Max depth of workings (m)	75.00	79.00	83.00	87.00
9	Depth of water table (mRL)	63.00	63.00	63.00	63.00
10	Max slope angle of haul roads	1:16	1:16	1:16	1:16

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Mine Design Parameter : Pit No. 3

Pit ID		Pit No. 6			
Sl.No.	Year	2023-2024	2024-2025	2025-2026	2026-2027
1	Max height and Min width of the benches in over Burden (m)	7.50	7.50	7.50	7.50
2	Slope of the bench in over burden (degree)	60.00	60.00	60.00	60.00
3	Max height and Minimum width of the benches in Mineral (m)	7.50	7.50	7.50	7.50
4	Slope of bench in Mineral and Overall slope of Pit (deg)	60.00	60.00	60.00	60.00
5	Number of benches in Top Soil	0	0	0	0
6	No. of Benches in over burden	6	8	9	11
7	Number of benches in mineral	2	2	2	2
8	Max depth of workings (m)	23.00	29.00	35.00	41.00
9	Depth of water table (mRL)	15.00	15.00	15.00	15.00
10	Max slope angle of haul roads	1:16	1:16	1:16	1:16

Detail CER Budget is as follows:

Sr. No.	Proposed Activities under Public Hearing commitment scheme	1st yr	2nd yr	3rd yr	4th yr	5th yr	Total
1	Provide medical clinic and high-class medical facilities (Health check-up Camp for Sitapatore & Sukli village – Beneficiary 1000).	2	2	2	2	2	10

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2	Providing LED Projector and Screen and One High End Desktop Computer and stationary item in the school	2	1	1	1	1	6
3	Solar Light fitting in Sitapatore & Sukli Village Road (50 nos)	1	1	1	1	1	5
4	Providing 5 New Deep Bore well for drinking water facility in Sitapatore and Sukli gram Panchayat.	3	3	3	3	3	15
5	Renovation of Sitapatore Panchayat Bhawan	3	2	0	0	0	5
6	PP to conduct Scientific study/research and to prepare comprehensive report in consultation with DFO/Registered Scientific Body regarding knowledge of local community, species of concern and their availability and traditional uses and cultural values in and around Project area falls in Tirodi Tehsil of Balaghat District in Madhya Pradesh	10	0	0	0	0	10
7	Skill Development Training to local youth for operators, fitters, electricians (2 Youth Every Year with Stipend)	1.2	1.2	1.2	1.2	1.2	6
8	Training centers for Ladies (stitching, Embroidery, tailoring etc.)	2	2	2	2	2	10
9	PP to prepare Study report on present agro forestry practices at all villeges in Tirodi tehsil of Balaghat district area inclusive of species diversity and design and recommendation for new innovation in consultation with Local DFO, Madhya Pradesh	10	0	0	0	0	10
10	Distribution of 250 Fruit Bearing Plants every year for 5 years	1	1	1	1	1	5
	Total	35.2	13.2	11.2	11.2	11.2	82

10.ANNUAL BUDGET FOR ENVIRONMENTAL MANAGEMENT PLAN FOR OPERATION

S.No.	Activities	Capital cost (Lakhs Rs.)	Recurring cost (Lakhs Rs./yr)
1	Air pollution control (water sprinkling)	5	0.5
2	Water pollution (Construction of septic tank, surface drains etc...)	2	0.2
3	Solid waste management	1	0.1
4	Environmental monitoring	2	0.2
5	Fire Fighting and Safety measures	3	0.3
6	Dewatering	1	0.1
7	Rainwater harvesting	1	0.1
	Total	15	1.5

After presentation Committee observed that the EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, **hence committee decided to recommend the case for grant of Prior Environment Clearance for Expansion of Manganese Mines in an area of 43.353 ha. (from 17000 TPA to 70000 TPA) (at Khasra No.), Village-Sukli, Tehsil-Tirodi, District-Balaghat (MP) [470247] (MP), subject to the following conditions:**

I. Specific Condition

S.No	Specific Condition
1	परियोजना प्रस्तावक द्वारा जनसुवाई के दौरान की गई प्रतिबद्धता अनुसार सभी वादों का अनुपालन सुनिश्चित करेगा एवं प्रत्येक वर्ष छमाही अनुपालन प्रतिवेदन जमा करेगा ।
2	परियोजना प्रस्तावक द्वारा निम्नानुसार तालिका में दर्शित वृक्षारोपण कार्यक्रम के अनुसार (सतत् सिंचाई 9 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) पौधों का रोपण तथा रख-रखाव लीज अवधि तक किया जायेगा

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	Year	No. of saplings/year	Places of plantation	Budget for Plantation
	1 year	350	Lease Periphery, approach road, Haul road, reclaimed area, undisturbed area, safety zone etc.	5 lakhs for 3 year
	2 year	400		
	3 year	350		
	4 Year	400		
	Total	1500		
3	परियोजना प्रस्तावक द्वारा सी.ई.आर. के तहत निर्धारित बजट अनुसार गतिविधियों का कार्यान्वयन सुनिश्चित किया जायेगा			
4	परियोजना प्रस्तावक द्वारा खनिज परिवहन हेतु अधिकतम २० टन भार के डम्पर/ट्रक ही उपयोग में लिये जायें।			
5	परियोजना प्रस्तावक द्वारा खनन क्षेत्र के पहुंच मार्ग को पक्की सड़क टार रोड बनाया जाये, जिससे २० टन भार डम्पर / ट्रक खनिज सहित का परिवहन किया जा सके ।			
6	परियोजना प्रस्तावक द्वारा परंपरागत ऊर्जा स्रोत की जगह नवकरणीय उर्जा का अधिकतम उपयोग सुनिश्चित किया जाये।			
7	परियोजना प्रस्तावक द्वारा खनन गतिविधि शुरू करने से पूर्व पट्टा क्षेत्र के चारों ओर फेंसिंग की जाएगी । आमजन और पशुओं के साथ किसी भी प्रकार की संभावित अप्रिय घटना से बचने के लिए पट्टा क्षेत्र के चार कोनों पर चेतावनी संकेतकों की स्थापना के साथ उचित निगरानी और सुरक्षागार्ड की व्यवस्था की जायेगी।			
8	परियोजना क्षेत्र एवं अन्य प्रस्तावित क्षेत्रों में वृक्षारोपण संबंधित कार्यों में संबंधित क्षेत्र के वनमंडलाधिकारी के परामर्श अनुसार संयुक्त/सामुदायिक वन प्रबंधन समितियों के माध्यम से बन् एवं अशासकीय निधियों के उपयोग हेतु राज्य शासन द्वारा निर्धारित वृक्षारोपण नीति का परिपालन सुनिश्चित किया जाये ।			
9	परियोजना प्रस्तावक कच्ची सड़क के स्थान पर पक्का पहुंच मार्ग का निर्माण सुनिश्चित करेगा और खनिज के परिवहन हेतु ग्राम क्षेत्र के बाहर से वैकल्पिक मार्ग की योजना तैयार करेगा।			
10	परियोजना प्रस्तावक द्वारा खनन पट्टा क्षेत्र की परिधि में ७.७ (मीटर) के परिधि क्षेत्र को नो माइनिंग जोन के रूप में सीमांकित करेगा और हरित पट्टी विकसित करने के उद्देश्य से तीन पंचायतों में पौधरोपण किया जायेगा तथा वृक्षारोपण हेतु पानी की समुचित व्यवस्था भी की जायेगी।			
11	खनन कार्य भूजल स्तर से ऊपर तक ही सीमित रहेगा। भूजल स्तर के नीचे कार्य करने की दशा में केन्द्रीय भूजल बोर्ड का अनुमोदन प्राप्त करना होगा।			
12	परियोजना प्रस्तावक द्वारा दुर्घटनाओं से बचने के लिए परिवहन मार्गों पर चेतावनी संकेतों की स्थापना की जायेगी।			
13	परियोजना प्रस्तावक द्वारा पट्टा क्षेत्र का उचित भू-दृश्य विकास एवं इस योजना का सफल क्रियान्वयन किया जायेगा।			
14	परियोजना प्रस्तावक स्वीकृत खनिजपट्टा/पर्यावरणीय स्वीकृति अनुसार खनिज पट्टों की जानकारी संचालनालय भौमिकी तथा खनिकर्म से अनुमोदित नवीन जिला सर्वेक्षण रिपोर्ट में शामिल करवायेगा, ऐसा ना करने पर पर्यावरणीय स्वीकृति निरस्त कर दी जायेगी।			
15	परियोजना प्रस्तावक पट्टा क्षेत्र के चारों ओर गार्डरैण्ड ड्रेन के निर्माण के साथ साथ सेटलिंग टैंक का निर्माण सुनिश्चित करेगा और उसकी नियमित सफाई और रखरखाव किया जाएगा।			
16	परियोजना प्रस्तावक द्वारा किन्हीं भी परिस्थितियों में अपशिष्ट द्रव्य (waste water) का बहाव खदान क्षेत्र के बाहर नहीं किया जायेगा।			
17	परियोजना प्रस्तावक द्वारा समुचित पर्यावरण प्रबंधन के दृष्टिगत Zero Discharge पद्धति आधारित खनन			

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	गतिविधि का संचालन किया जायेगा।
18	परियोजना प्रस्तावक द्वारा खनिज का परिवहन विशेष रूप से तिरपाल से ढके हुए वाहनों से किया जायेगा एवं आबादी क्षेत्र से परिवहन प्रतिबंधित रहेगा।
19	परियोजना प्रस्तावक द्वारा जल, वायु एवं ध्वनि प्रदूषण का आकलन प्रत्येक छः माह में किया जाकर प्रतिवेदन क्षेत्रीय अधिकारी, प्रदूषण नियंत्रण बोर्ड को प्रस्तुत करेगा।
20	परियोजना प्रस्तावक द्वारा खदान परिसर एवं परिवहन/पहुंच मार्ग पर प्रतिदिन दो बार पानी का छिड़काव किया जायेगा।
21	परियोजना प्रस्तावक द्वारा प्रत्येक वर्ष में खदान में कार्यरत श्रमिकों एवं कर्मचारियों का शासकीय चिकित्सालय से समन्वय कर चिकित्सा परीक्षण करवाया जायेगा।
22	माईनिंग लीज क्षेत्र के अंदर खनन के दौरान निकलने वाले ओवरबर्डन और अपशिष्ट को वृक्षारोपण हेतु खनन क्षेत्र में वापस भरा जाएगा।
23	परियोजना प्रस्तावक यह सुनिश्चित करेगा कि अपशिष्ट सामग्री को माईनिंग लीज क्षेत्र में तथा खनि पट्टा क्षेत्र के बाहर कोई भी ओवरबर्डन एकत्र नहीं किया जायेगा।
24	परियोजना प्रस्तावक द्वारा धूल दमन हेतु नियमित रूप से पानी का छिड़काव किया जायेगा तथा वृक्षारोपण व पीने के लिये विशेष रूप से गर्मी के मौसम में उचित जलापूर्ति की व्यवस्था सुनिश्चित करेगा।
25	परियोजना प्रस्तावक प्राथमिकता के आधार पर आसपास के ग्रामीणों को रोजगार के अवसर प्रदान करेगा।
26	परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना अनुसार वृक्षारोपण, धूलदमन, पहुंच सड़क के निर्माण और मौजूदा पक्की सड़क के रखरखाव के उचित क्रियान्वयन को सुनिश्चित करेगा। इस हेतु पर्यावरण प्रबंधन योजना में अतिरिक्त बजट प्रावधान किया जाएगा।
27	परियोजना प्रस्तावक द्वारा वृक्षारोपण, सीईआर एवं सभी गतिविधियों के फोटोग्राफ अर्धवार्षिक अनुपालन रिपोर्ट के साथ एमपी-एसईआईए को प्रस्तुत करेगा। यदि परियोजना प्रस्तावक अर्धवार्षिक अनुपालन रिपोर्ट को अपलोड करने में विफल रहता है या संबंधित प्राधिकरण (एसईआईए और क्षेत्रीय कार्यालय, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, भोपाल) को पर्यावरणीय स्वीकृति की शर्तों की लगातार दो छमाही अनुपालन रिपोर्ट प्रस्तुत नहीं करता है, तो परियोजना प्रस्तावक को जारी की गई पूर्व पर्यावरण मंजूरी निरस्त की जायेगी।
28	यदि माईनिंग लीज का स्वामित्व बदल जाता है, तो नवीन परियोजना प्रस्तावक को एसईआईए को पर्यावरण स्वीकृति हस्तांतरण के लिए तुरंत आवेदन करना होगा। बिना पर्यावरण स्वीकृति हस्तांतरण तक परियोजना प्रस्तावक उक्त खदान में तब तक खनन स्थगित रखेगा, जब तक कि एसईआईए द्वारा उक्त पर्यावरण स्वीकृति नवीन परियोजना प्रस्तावक के नाम हस्तांतरित ना हो जाये।
29	खनि पट्टा क्षेत्र के अंदर किये गये सभी कार्य जैसे फेंसिंग, वृक्षारोपण और सीईआर गतिविधियों के तहत किए जाने वाले सभी कार्यों को जिला प्रशासन के परामर्श से आगे के रखरखाव के लिए ग्राम पंचायत को सौंपा जायेगा। परियोजना प्रस्तावक पटवारी रजिस्टर में सभी सूचनाओं को दर्ज कराना भी सुनिश्चित करेगा।

II. Statutory compliance:

S.No	Condition
30	This Environmental Clearance (EC) is subject to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and Court of Law, Common Cause Condition as may be applicable.
31	The project proponent complies with all the statutory requirements and Judgment of Hon'ble Supreme Court dated 2 nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations (if applicable to the project).
32	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgments

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	of hon'ble Supreme Court dated 2 nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.(If application to the project).
33	The Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendation of the Standing Committee of National Board Wildlife, if applicable to the projet. (If applicable to the project).
34	This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the project (if applicable to the project).
35	Project Proponent (PR) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Operate from the concerned State Pollution Control Board/Committee.
36	The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Department & Regulation, Act, 2015 and rules & regulations made there under PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
37	The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it if applicable to the Project.
38	The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA(M) dated 29 th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
39	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
40	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership of mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provision of the Para-11 of EIA Notification, 2006 as amended from time to time.

III. Air quality monitoring and preservation:

41	The Project Proponent shall monitor critical parameters, relevant for mining operations, of air pollution viz, PM10, PM2.5, NO2, CO and SO2 etc. covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building. Canteen etc. as per the site condition to ascertain the exposure characteristics at specific places.
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42	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling road construction etc) shall be carried out in areas prone to air pollution wherein high levels of pM10 and PM2.5 are evident such as haul road. Loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments machineries and preventive maintenance. In shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/Central Pollution Control Board
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IV. Water quality monitoring and preservation:

43	In case immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA is in place before such mining operations. The permissions for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
44	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in an around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operating in consultation with Central Ground Water Authority/State Ground Water Department.
45	The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby adjacent to the mine lease and maintain its records. It shall be ensured that no obstruction and/or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/bodies existing in lease area (August) post monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environmental, Forest and Climate Change and its Regional Office,.
46	Project Proponent shall plan develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water/State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional office MoEFCC annually.
47	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.

V. Noise and Vibration monitoring and preservation

48	The peak particle velocity at 500 m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
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49	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/personals/laborers are working without personal protective equipment.
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VI. Mining Plan

50	The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, overburden, interburden and top soil etc. NO Change in basic mining proposal like mining technology, total excavation i.e. quantum of mineral, waste, overburden, interburden and top soil etc. NO change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B. & dump mining, mineral transportation mode, ultimate depth of mining etc) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term permit (STP), Query license or any other name.
51	The project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the provision of the MMDR Act, 1957 and Rules/Guidelines made there under.
52	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan.

VII. Land Reclamation

53	The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S. w.r.t safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps, The topsoil shall be used for land reclamation and plantation.
54	The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site (s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
55	The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum progressive Mine Closure Plan.

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56	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface runoff. The selection of local species regulates local climate parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dump. The dump mass should be consolidated with the help of dozer/compactors thereby ensuring proper filling/levelling of dump mass. In critical areas, use of geo- textiles/ geo- membranes/clay liners/Bentonite etc. shall be undertaken for stabilization of the dump.
57	The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC.
58	Garland drain, Catch drains of appropriate size shall be constructed around the mine working, mineral yards and Top soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/River/Pond etc). The collected water should be utilized for watering the mine areas roads, green belt development, plantation etc. The drain/sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season and maintained properly
59	The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.

VIII. Transportation

60	No Transportation of the minerals shall be allowed without tarpaulin cover.
61	PP shall take necessary measures to avoid generation of fugitive dust emissions.

IX. Green Belt

62	Green Belt development shall be carried out in the lease area. Plantation shall be done within 05 years, planting following specie:	
	S.No.	Species Name
		Tree
	1	Shisham & Kala Shisham
	2	Ardu or Maheneem
	3	Khejri
	4	Indian Elm
	5	Gum Arabic tree
	6	Karanj
	7	Imli
	8	Babool
	9	Jungle Jalebi
10	Ronj	
11	Neem	
	Botanical Name	
	Delbergiasisso	
	Ailanthus excels	
	Prosopis cineraria	
	Holopteleaintegrifolia	
	Acacia Senegal	
	Pongamiapinnata	
	Tamarindusindica	
	Acacia nilotica	
	Pithecellobium dulce	
	Acacia leucophloea	
	Azadirectaindica	

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	12	Ber	Zizyphusmauritiana
	13	Siris tree	Albizalebbeck
	14	Pipal	Ficusreligiosa
	15	BijaKussum	-
		Shrubs/Herbs	
	16	Munja grass	Saccharum munja
	17	Peelikaner	Thevetia peruviana
	18	VilayatiBabool	Prosopis juliflora
	19	Arandi	Ricinus cummunis
	20	Kaner	Nerium Indicum
	21	Sarphonka	Tephrosiahamiltonii
	22	Buffel Grass	Cenchrusciliaris
	23	Kans grass	Saccharum spontaneum
	24	Makara or crowfoot grass	Dactylocteniumaegyptium
	25	Bui	Aervatomentosa
	26	Purple three awn or Bunch grass	Aristida purpurea
63	<p>The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun should be scrupulously guarded/protected against felling the plantation of such trees should be promoted (if applicable).</p>		

X. Public hearing and human health issues

64	The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly.
65	The Proponent shall also create awareness and educate the nearby community and workers for sanitation, Personal Hygiene. Hand washing, no to defecate in open. Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.
66	The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
67	The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.

XI. EMP & Corporate Environment Responsibility (CER)

68	<p>For Environment Management Plan PP has proposed Rs.15 Lakhs capital budget and Rs.1.5 Lakh per year recurring budget for this project to be implemented within first 5 years of start of mining operation.</p>							
	S.No.	Activities	Capital cost (Lakhs Rs.)					Recurring cost (Lakhs Rs.)/yr
	1	Air pollution control (water sprinkling)	5					0.5
	2	Water pollution (Construction of septic tank, surface drains etc.,)	2					0.2
	3	Solid waste management	1					0.1
	4	Environmental monitoring	2					0.2
	5	Fire Fighting and Safety measures	3					0.3
	6	Dewatering	1					0.1
	7	Rainwater harvesting	1					0.1
		Total	15					1.5
69	<p>PP has proposed Rs 82 Lakhs under Corporate Environment Responsibility (CER) for component as follows:</p>							
	Sr. No.	Proposed Activities under Public Hearing commitment scheme	1st yr	2nd yr	3rd yr	4th yr	5th yr	Total
	1	Provide medical clinic and high-class medical facilities (Health check-up Camp for Sitapatore & Sukli village – Beneficiary 1000).	2	2	2	2	2	10
	2	Providing LED Projector and Screen and One High End Desktop Computer and stationary item in the school	2	1	1	1	1	6
	3	Solar Light fitting in Sitapatore & Sukli Village Road (50 nos)	1	1	1	1	1	5

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4	Providing 5 New Deep Bore well for drinking water facility in Sitapatore and Sukli gram Panchayat.	3	3	3	3	3	15
5	Renovation of Sitapatore Panchayat Bhawan	3	2	0	0	0	5
6	PP to conduct Scientific study/research and to prepare comprehensive report in consultation with DFO/Registered Scientific Body regarding knowledge of local community, species of concern and their availability and traditional uses and cultural values in and around Project area falls in Tirodi Tehsil of Balaghat District in Madhya Pradesh	10	0	0	0	0	10
7	Skill Development Training to local youth for operators, fitters, electricians (2 Youth Every Year with Stipend)	1.2	1.2	1.2	1.2	1.2	6
8	Training centers for Ladies (stitching, Embroidery, tailoring etc.)	2	2	2	2	2	10
9	PP to prepare Study report on present agro forestry practices at all villeges in Tirodi tehsil of Balaghat district area inclusive of species diversity and design and recommendation for new innovation in consultation with Local DFO, Madhya Pradesh	10	0	0	0	0	10
10	Distribution of 250 Fruit Bearing Plants every year for 5 years	1	1	1	1	1	5
	Total	35.2	13.2	11.2	11.2	11.2	82
	<p>a) PP to conduct Scientific study/research and to prepare comprehensive report in consultation with DFO/Registered Scientific Body regarding knowledge of local community, species of concern and their availability and traditional uses and cultural values in and around Project area falls in Tirodi Tehsil of Balaghat District in Madhya Pradesh.</p> <p>b) PP to prepare Study report on present agro forestry practices at all villeges in Tirodi tehsil of Balaghat district area inclusive of species diversity and design and recommendation for new innovation in consultation with Local DFO, Madhya Pradesh.</p>						
70	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M. No. 22-65/2017-IA.II(M) dated 01/05/2018 or as proposed by SEAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual and annual report of implementation of the same along with documentary proof viz. photography's. Purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually.						
71	Project Proponent shall keep the funds earmarked for environmental protection measures in a separate count and refrain from diverting the same for other purpose. The Year wise expenditure						

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of such funds should be reported to the MoEFCC and its concerned Regional Office.

XII. Miscellaneous

72	The Project Proponent shall prepare digital map/drone video/imagery (land use & land cover) of the entire lease area once in five years for the purpose of monitoring land use pattern and submit a report to concerned IBM/Regional Office of the MoEFCC/SEIAA/SEAC whichever is applicable.
74	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
75	The project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEFCC & its concerned Regional Office, State Pollution Control Board.
76	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientist and Mining Engineers shall be appointed and submit a report to RO, MPPCB.
77	The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer (s) by furnishing the requisite data/information/monitoring report.

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9. Case No 10839/2023 Shri Deven Pradyuman Trivedi, Partner, M/s J.K. Minerals, R/o Ward No. 15, Hanuman Mandir Road, Main Road, District-Balaghat (MP)-481001, Prior Environment Clearance for Katangjhari Manganese Ore Mine in an area of 5.26 ha. (Manganese ore- 1000 TPA to 9799 TPA & Mine waste- 200 TPA) (Khasra No. 48, 49, 50, 51, 54), Village-Katangjhari, Tehsil-Lalbarra, District-Balaghat (MP). EIA PPT.

Earlier in the SEAC 711th meeting dated 09.11.2024 wherein ToR was recommended by the committee which was issued by SEIAA vide letter no. 3153/SEIAA/2024 Bhopal dated 29.02.2024 .

परियोजना विवरण	परियोजना प्रस्तावक द्वारा प्रस्तुत दस्तावेज	
परियोजना प्रस्तावक का नाम व पता	Shri Deven Pradyuman Trivedi, Partner, M/s J K MINERALS, Ward No. 15, Hanuman Mandir Road, Main Road, Balaghat (M.P.)	
खसरा नं./ क्षेत्रफल (सरकारी/निजी)	48, 49, 50, 51 and 54 (निजी-नॉन फॉरेस्ट लैंड कुछ खसरों के भू-स्वामियों की सहमति पत्र अपलोड नहीं है)	5.26 hectare.
स्थल	ग्राम कटंगझरी, तहसील लालबर्रा, जिला बालाघाट (म.प्र.)	
लीज स्वीकृति	कार्यालय कलेक्टर (खनिज शाखा) जिला बालाघाट के पत्र पृ. क्रमांक 701 दिनांक 04/06/15 के द्वारा स्वीकृत ।	
ब्लास्टिंग/रॉक ब्रेकर	Controlled blasting with low charge.	
प्रकरण की स्थिति	क्षमता विस्तार ।	
उत्पादन क्षमता	परियोजना प्रस्तावक द्वारा मैगनीज अयस्क - 1000 TPA to 9799 TPA & Mine waste- 200 TPA हेतु आवेदन किया गया है और अनुमोदित खनन योजना अनुसार मैगनीज अयस्क - 1000 TPA to 9799 TPA & Mine waste- 200 TPA है ।	
500 मीटर की परिधि में अन्य खदानें	कार्यालय कलेक्टर (खनिज शाखा) जिला बालाघाट के एकल प्रमाण-पत्र क्रमांक 1104 दिनांक 03/10/23 अनुसार 500 मीटर की परिधि में अन्य कोई खदान संचालित/स्वीकृत नहीं है, प्रस्तावित खनिज प्रमुख खनिज है और 05.00 से अधिक होने के कारण बी-1 श्रेणी का है।	
वन मण्डलाधिकारी की अनापत्ति	कार्यालय कलेक्टर (खनिज शाखा) जिला बालाघाट के एकल प्रमाण-पत्र क्रमांक 1104 दिनांक 03/10/23 अनुसार 10 किलोमीटर की परिधि में नेशनल पार्क/अभ्यारण्य/ईको सेंसेटिव जोन जैव विविधता क्षेत्र एवं 250 मीटर में वन क्षेत्र स्थित नहीं है।	
तहसीलदार की	कार्यालय कलेक्टर (खनिज शाखा) जिला बालाघाट के एकल प्रमाण-पत्र	

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अनापत्ति	क्रमांक 1104 दिनांक 03/10/23 अनुसार 500 मीटर की दूरी पर मानव बसाहट/शैक्षणिक संस्था स्थित है, शेष अन्य 500 मीटर की परिधि में नहीं है ।
ग्राम सभा/ ग्राम पंचायत की अनापत्ति	ग्राम पंचायत कटंगझरी जिला बालाघाट के ठहराव प्रस्ताव दिनांक 16/08/23 अनुसार प्रस्तावित स्थल पर खनन कार्य से पंचायत को कोई आपत्ति नहीं है ।
प्रस्तावि खदान की जिला सर्वेक्षण रिपोर्ट में स्थिति	प्रस्तावित खनिज मुख्य खनिज है, अतः जिला सर्वेक्षण रिपोर्ट लागू नहीं है ।

PP has submitted the EIA report on the Parivesh Portal which was submitted by PP on Parivesh Portal hence the same was scheduled in the agenda for EIA presentation.

The EIA was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services , Bhopal. and their representatives on behalf of PPS Shri Deven Pradyuman Trivedi, Partner.

PP submitted that this is case of capacity expansion in Manganese ore (Major Mineral) Deposit Mine. The project has been proposed for the Mining of Manganese ore over Govt and private Land by underground through mechanized method. Mining will be confined to the allotted lease area which lies on the Govt and private Land. The mining lease has been granted in favour of M/s J K Trivedi over an area of 5.26 Ha on Khasra No. **48, 49, 50, 51 and 54** at Village – **Katangjhari , Tehsil – Waraseoni , Dist. Balaghat (MP)** situated in Village Katangjhari, Tehsil- Waraseoni &, District Balaghat M.P. Mining will be carried out on the basis of govt. consent order for mining operations for 50 years. A total mineable reserve as per the mining plan is 73120 Tonne & with maximum of production of mineral of **ROM production 9999 TPA (9799 TPA of Manganese ore and 200 TPA of mine waste)** after expansion . The proposed project is an opencast as well as underground and fully mechanized mining project, where mining of Manganese will be done through drilling, Blasting, Jack hammer etc ..

Existing mining is being carried out by 'A' Category (Other than Fully Mechanized) opencast and now proposed underground method of mining using cut and fill method.

- Lumps of Mn ore are being transported from pit bottom to surface mechanically. Regular use of explosive is being done in the area. From the loading point of view, mineral is transported by trucks/ dumpers to the user industries.
- Loading of mineral into trucks/dumpers is being done by loader and manually also.
- Presently one O/c pits have been reported in lease area, which covers about 2.5 ha area upto depth of 307m MSL

Underground mining

Considering the mineral existence underground, development and future prospect of stoping, the desired development for stoping will be from MSL 298 m to MSL 245 m by developing drives/ X-cuts/ Winze/ Raises.

Mode of entry:

- a) Incline No. 1 from Quarry No. 1
- b) Incline Shaft

Keeping the structural setup offered for the area and extent of mineralization, the lessee has planned one incline shaft as rectangular incline Shaft towards middle part of the area. Then after requirement of second outlet is needed as per proposal therefore lessee has planned second outlet as Incline No. 1 from Quarry No. I which is connected to incline shaft. The ventilation scheme provided by the PP for U/g operation found satisfactory as they are maintaining V_{eq} at the arte of 0.99 against the minimum limit of 0.70. The Humidity in the U/g operation is found 86-92 which is above the minimum limit of 32 % hence found satisfactory. The capacity of fan is also found satisfactory.

Further the illumination provided at U/ g operation is also adequate and meeting the standard as prescribed by DGMS.

The level at U/g and surface will be maintained properly to prevent entering of water in U/g operation. The level of water sump, and at the point of U/g Operation are found satisfactory and PP were asked to maintain during future course of operation.

The roof bolt support system was also discussed and details given found satisfactory the distance maintained by PP as one bolt at 1 sq mtrs. Though frequency of testing is need to increased and PP has asked to make strength test after every one hrs after fixing the bolt at roof.

The submissions and presentation made by the PP found to be satisfactory and acceptable and the EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of **Prior Environment Clearance for capacity expansion with change in technology opencast mining to under ground mining in Manganese Deposit in an area of 5.26 ha. (1000 TPA to ROM production 9999 TPA (9799 TPA of Manganese ore and 200TPA of mine waste) over Khasra No. 48, 49, 50, 51 and 54 at Village – Katanghari , Tehsil – Waraseoni , Dist. Balaghat (MP) subject to the following special conditions:**

I. Statutory compliance:

- I. This Environmental Clearance (EC) is subject to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any Court of Law, Common Cause Conditions as may be applicable.
- II. The project proponent complies with all the statutory requirements and Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
- III. The Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board Wildlife, if applicable to the project.
- IV. This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.
- V. Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish/Consent to Operate from the concerned State Pollution Control Board/Committee.
- VI. The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Department & Regulation, Act, 2015 and rules & regulations made there under PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
- VII. The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it if applicable to the Project.

- VIII. The project proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II(M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
- IX. The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
- X. A copy of EC letter will be marked to concerned Panchayat/local NGO etc. if any from whom suggestion/representation has been received while processing the proposal.
- XI. State Pollution Control Board/Committee shall be responsible for display of the EC letter at its Regional Office, District Industries Centre and Collector's office/Tehsildar's Office for 30 days.
- XII. The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at-least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State/Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.environmentclearance.nic.in). A copy the advertisement and may be forwarded to the concerned MoEF&CC Regional Office for compliance and record.
- XIII. The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership of mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provision of the Para-11 of EIA Notification, 2006 as amended from time to time.

II. Air quality monitoring and preservation

- I. The Project Proponent shall monitor critical parameters, relevant for mining operations, of air pollution viz, PM10, PM2.5, NO2, CO and SO2 etc. covering the aspects of transportation and use of heavy machinery in the impact zone on quarterly basis. The ambient air quality shall also be monitored at prominent places like office building, Canteen etc. as per the site condition to ascertain the exposure characteristics at specific places.
- II. Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc) shall be carried out in areas prone to air pollution wherein high levels of pM10 and PM2.5 are

evident such as haul road. Loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/machineries and preventive maintenance. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/Central Pollution Control Board.

III. Water quality monitoring and preservation

- I. In case immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- II. Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in an around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operating in consultation with Central Ground Water Authority /State Ground Water Department.
- III. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby adjacent to the mine lease and maintain its records. It shall be ensured that no obstruction and/or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August) post monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environmental, Forest and Climate Change and its Regional Office,
- IV. Project Proponent shall plan develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water/State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional office MoEFCC annually.
- V. Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.

IV. Noise and Vibration monitoring and preservation

- I. The peak particle velocity at 500 m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- II. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/personals/laborers are working without personal protective equipment.

V. Mining plan

- I. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, overburden, interburden and top soil etc. NO change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz, method of mining, overburden & dump management, O.B. & dump mining, mineral transportation mode, ultimate depth of mining etc) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
- II. The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the provision of the MMDR Act, 1957 and Rules/Guidelines made thereunder.
- III. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan.
- IV. For underground operations, natural ventilation should be provided (V_{eq} at the rate of 0.85 to 0.95) in all working shifts through vertical shaft and main incline and ventilation survey should be conducted on each quarter and flow of air (intake and return) should be monitored on daily basis as per DGMS norms.
- V. For mining operations standard illumination should be provided as per DGMS norms.

- VI. For roof support system, as proposal steel roads should be at least 1.50 meter long with minimum 20 mm diameter and the diameter of holes should be less than 32mm. the load bearing capacity of each bolt shall be at least 02 tones of load in one hour, 04 tones of load in 04 hours and 06 tones of load in 08 hours.
- VII. The back of excavated area shall be supported by fully grouted cable bolts of 12 mm at an interval of 2.0 m X 2.0m in a grid pattern with one additional 2.0 m long fully grouted rock bolt in the center of the grid. Diameter of each cable bolt shall be at least 16 mm and cables bolts shall be installed in the back of the stope in such manner that its length in the back at no time shall be less than 4.0 m (for 8.0 m wide stops) and 6.0 m (for 22.0 m wide stops). Each cable bolt shall be capable of bearing at least 25 tones of load.
- VIII. The hanging wall shall be supported by fully rock bolts at least 2.0 m long at maximum interval of 2.0m X 2.0m in grid pattern. The bolts shall be installed perpendicular to the foliation plan of rocks mass with one row of chocks shall be provided at an interval of 3.0 meter all along the hang wall side in the stope as and when required. Similarly, additional rack bolts shall be provided as and when required.

VI. Land Reclamation

- I. The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time.
- II. The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum progressive Mine Closure Plan.
- III. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. Apart from Existing Garland drain, further three drain will be provided having size 87X1x1, 132X1x1, and 386 X1x1
- I. Apart from the existing settling tanks, further one settling tank of size 400mx5mx1.5m with 8 settling pit
- II. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
- III. The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long.

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IV. The existing and proposed land use plan of the mine is as follows:

Items	Existing	SOM Period	Conceptual Period
Total lease area	5.26ha		
Ultimate depth of mining	307m MSL (opencast pit)	245m MSL (underground working)	210.50m MSL (underground working)
Ultimate pit slope	35 degree	35 degree	35 degree
Area under dumps	0.61ha	0.71ha	0.41ha
Area under pits	2.50ha	2.50ha	2.50ha
Infrastructure & Road	0.02ha	0.02ha	0.02ha
Mineral storage	0.17ha	0.20ha	Nil
Plantation	1.1196ha	1.50ha	1.75ha
Un-worked area	0.8404ha	0.33ha	0.58ha
Total	5.26ha	5.26ha	5.26ha
Water body	0.25ha	0.50ha	0.50ha
Area to be backfilled	0.1544ha	0.27ha	0.27ha
Plantation			
Un-worked area	1.1196ha (1134no.)	1.50ha (3000No.)	1.75ha (3500no.)
Backfilled area	0.1544ha (200no.)	0.1544ha (200No.)	0.27ha (540no.)
Dump area	Nil	Nil	0.41ha (840No.)
Total area for plantation	1.274ha (1334no.)	1.6544ha (3200no.)	2.43ha (4880no.)

VII. Transportation

- I. No Transportation of the minerals shall be allowed in case of roads passing through Forest . In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of

sound and dust along with chances of accidents could be mitigated. Vehicular emission shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.

- II. The Main haulage road within the mine lease should be provided with a water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements.

VIII. Green Belt

- I. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3546 trees shall be planted in barrier zone, backfilled area and 400 no along the transportation route which is apart from the existing plantation of 1300
- II. The Project Proponent shall develop greenbelt in 7.5 m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The proposed Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of green belt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.
- III. The Project Proponent shall carryout plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc by planting the native species in consultation with the State Forest Department/Agriculture Department/Rural development department/Tribal Welfare Department/Gram Panchayat

IX. Public hearing and human health issues

- I. The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly.
- II. The proponent shall also create awareness and educate the nearby community and workers for sanitation, Personal Hygiene. Hand washing, not to defecate in open. Women Health and Hygiene. Hand washing, not to defecate in open. Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.

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- III. The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- IV. The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.

X. EMP& Corporate Environment Responsibility (CER)

- I. For Environment Management Plan PP has proposed Rs. 31.41 Lakhs as capital and Rs. 17.94 Lakhs as recurring cost for this project.
- II. For this project PP has proposed Rs 10 Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

Commitment towards public hearing Issue in terms of Physical Target		
SN	Issues	Cost in Rs Lakh
1	To provide furniture in High School, Katangjhari, Dist. Balaghat (MP) and other infrastructure facilities in consultation with Principle	Rs 3.00
2	Provision of 500m road from Mine to Pacca road	Rs 5.00
3	Development of Katangjari Chowk with plantation and Benches	Rs 2.00
Total		Rs 10.00 Lacs

- III. The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M. No. 22-65/2017-IA.II(M) dated 01/5/2018 or as proposed by SEAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual and annual report of implementation of the same along with documentary proof viz. photography's. Purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.
- IV. Project Proponent shall keep the funds earmarked for environmental protection measures in a separate count and refrain from diverting the same for other purpose. The Year wise

expenditure of such funds should be reported to the MoEFCC and its concerned Regional Office.

XI. Miscellaneous

- I. The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- II. The project Proponent shall submit six monthly compliance report on the status of the implementation of the stipulated environmental safeguards to the MoEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
- III. A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientist and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.

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10. Case No 11175/2024 Shri Sanjay Rai, Owner, R/o Hotel Utsav Vilas, Sar Vallabh Bhai Patel Bridge, Hridaypur, District-Damoh (MP)-470661, Prior Environment Clearance for Baruyee Bauxite Quarry in an area of 9.049 ha. (Bauxite-58970 Ton/Year , Laterite-52836Ton/Year , OB-4718 cum per year) (Khasra No. 64/1), Village-Barua, Tehsil-Majhgawan, District-Satna (MP) [409547] (EIA).

प्रस्तावित खदान बी-1 श्रेणी के अंतर्गत डिया द्वारा जारी पूर्व पर्यावरणीय स्वीकृति के पुनर्मूल्यांकन का है, जिसे सेक की पूर्व 744 वीं बैठक दिनांक 24/04/2024 में प्रकरण समिति के समक्ष प्रस्तुतीकरण हेतु रखा गया था जिसमें प्रस्तुतीकरण उपरान्त समिति ने उक्त प्रकरण में टॉर की अनुशंसा की गई थी।

परियोजना प्रस्तावक द्वारा परिवेश पोर्टल पर निम्न जानकारी प्रस्तुत की गई :-

परियोजना विवरण	परियोजना प्रस्तावक द्वारा प्रस्तुत दस्तावेज	
परियोजना प्रस्तावक का नाम व पता	श्री संजय राय पुत्र श्री ओमप्रकाश राय होटल उत्सव विलास, सरदार वल्लभ भाई पटेल ब्रिज, हृदयपुर, जिला-दमोह (म.प्र.)	
खसरा नं./ क्षेत्रफल (सरकारी/निजी)	खसरा नंबर -64/1 (निजी भूमि -नॉन फॉरेस्ट लैंड)	9.049 हेक्टेयर
स्थल	ग्राम- बरुई, तहसील- मझगवां, जिला- सतना (म.प्र.)	
लीज स्वीकृति	नवीन खदान पट्टा खनिज संसाधन विभाग शासन द्वारा स्वीकृत किया गया था। मध्य प्रदेश मंत्रालय ने श्री संजय राय को पत्र क्रमांक. 3652 भोपाल, दिनांक. 26/08/2022 एवं 50 वर्ष की अवधि के लिए स्वीकृत किया गया है।	
अनुमोदित खनन योजना अनुसार ब्लास्टिंग/रॉक ब्रेकर का उल्लेख करें।	अनुमोदित खनन योजना अनुसार ब्लास्टिंग नहीं प्रस्तावित है।	
प्रकरण की स्थिति	नया प्रोजेक्ट ।	
डिया ई.सी. का विवरण (यदि लागू हो)	नया प्रोजेक्ट ।	
टॉर यदि लागू हो तो विवरण दें।	सेक की 744 वीं बैठक दिनांक 29.04.2024 को अनुशंसित, सिया के पत्र क्रमांक 941/म.प्र. /2024 दिनांक 27.05.2024 के द्वारा उत्पादन क्षमता अधिकतम. 58970 टन/वर्ष बॉक्साइट, अधिकतम 52836 टन/वर्ष लेटराइट, अधिकतम 4718 घन मीटर/वर्ष ओ.बी. के लिए टॉर जारी किया गया है, जिसके अनुसार परियोजना प्रस्तावक द्वारा ईआईए रिपोर्ट समिति के समक्ष प्रस्तुत की गई ।	
उत्पादन क्षमता एवं प्रतिवर्ष उत्पादन	परियोजना प्रस्तावक द्वारा उत्पादन क्षमता अधिकतम. 58970 टन/वर्ष बॉक्साइट, अधिकतम 52836 टन/वर्ष लेटराइट, अधिकतम 4718 घन मीटर/वर्ष ओ.बी. हेतु	

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	आवेदन किया गया है और अनुमोदित खनन योजना अनुसार उत्पादन क्षमता अधिकतम 58970 टन/वर्ष बॉक्साइट, अधिकतम 52836 टन/वर्ष लेटराइट, अधिकतम 4718 घन मीटर/वर्ष ओ.बी. है।
500 मीटर की परिधि में अन्य खदानें	कार्यालय कलेक्टर (खनिज शाखा) जिला सतना के एकल प्रमाण-पत्र क्रमांक.2196 दिनांक 21/11/2023 अनुसार 500 मीटर की परिधि में 02 अन्य खदानें संचालित/स्वीकृत हैं, इस प्रकार इस खदान को मिलाकर कुल रकबा 28.242 हे. होता है, अतः प्रकरण बी-1 श्रेणी का है।
वनमण्डलाधिकारी की अनापत्ति	कार्यालय कलेक्टर (खनिज शाखा) जिला सतना के एकल प्रमाण-पत्र क्रमांक. 2196 दिनांक 21/11/2023 अनुसार हैं। आवेदित स्थल उत्तर प्रदेश की सीमा में स्थित रानीपुर टाईगर रिजर्व के अधिसूचित परिस्थितिकी संवेदी जोन में की सीमा से 4.923 कि.मी. दूर स्थित है। (वनमण्डलाधिकारी सतना के ज्ञा. क्र. 7171दि. 05.09.2023 के अनुसार) एवं 250 मीटर में वन क्षेत्र स्थित नहीं है। आवेदित क्षेत्र बीट बिरसिंहपुर के वनक्षेत्र कक्षा क्रमांक पी-872 की वनसीमा से 1002 मी. दूरी पर स्थित है। (वनमण्डलाधिकारी सतना के ज्ञा. क्र. 7171दि. 05.09.2023 के अनुसार)
तहसीलदार की अनापत्ति	कार्यालय कलेक्टर (खनिज शाखा) जिला सतना के एकल प्रमाण-पत्र क्रमांक. 2196 दिनांक 21/11/2023 अनुसार 500 मीटर की परिधि में मानव बसाहट, शैक्षणिक संस्थान, चिकित्सालय, पुरातत्व धरोहर, राष्ट्रीय महत्व के स्मारक, रेलवे लाईन/सार्वजनिक भवन/शमशान घाट/राष्ट्रीय राजमार्ग/संवेदनशील क्षेत्रों जैसे : रेडियो स्टेशन, दूरदर्शन, हवाई अड्डा, प्रतिरक्षा संस्थान एवं जलीय निकाय/नदी/तालाब/बांध/स्टॉपडैम/नहर/ग्रामीण कच्चा/पक्का रास्ता/नाला नहीं है।
ग्राम सभा/ ग्राम पंचायत की अनापत्ति	ग्राम सभा मझगवां के ठहराव प्रस्ताव क्रमांक-11 दिनांक 01.07.2023 अनुसार प्रस्तावित स्थल पर खनन कार्य से पंचायत को कोई आपत्ति नहीं है।
केशर की स्थिति (लीज के बाहर या लीज क्षेत्र के अन्दर)	केशर लीज क्षेत्र में प्रस्तावित नहीं है ।
प्रस्तावित स्थल पर वृक्षों की वर्तमान स्थिति	खदान क्षेत्र के अंदर पेड़ नहीं हैं ।
प्रस्तावित स्थल की गूगल इमेज अनुसार वर्तमान स्थिति	दक्षिण पश्चिम दिशा - पक्का रास्ता दक्षिण पश्चिम दिशा में 52 मीटर की दूरी पर स्थित है। जिस बावत् प्रस्तावक द्वारा अवगत कराया गया की पक्के रास्ते से खदान क्षेत्र की ओर 100 मी. तक कोई खनन कार्य नहीं किया जावेगा जिसे गैरखनन क्षेत्र के रूप में विकसित किया जावेगा एवं अनुमोदित खनन योजना अनुसार ब्लास्टिंग नहीं प्रस्तावित है।
जन सुनवाई	प्रस्तावित खदान की जन सुनवाई दिनांक 18/09/2024 को संपन्न हुई जिसमें रोजगार दिया जाये। खेल सामग्री का वितरण किया जावे।

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	वृक्षारोपण का प्रबंध किया जाये। उपरोक्त आपत्तियों/सुझाव प्राप्त हुए, जिसे पर्यावरणीय प्रबंधन योजना/सी.एस. आर में बजट के साथ शामिल किया गया है।
जिला सर्वेक्षण रिपोर्ट की स्थिति	कार्यालय कलेक्टर (खनिज शाखा) जिला सतना के पत्र क्रमांक. 2272 दिनांक 05/12/2023 अनुसार उत्खनि पट्टा में सम्पूर्ण प्रक्रिया पूर्ण हो जाने उपरांत आगामी जिला सर्वेक्षण रिपोर्ट में शामिल कर लिया जाएगा।

परियोजना प्रस्तावक द्वारा परिवेश पोर्टल पर ई.आई.ए. रिपोर्ट अपलोड की गई थी जिसे एजेण्डा में शामिल कर प्रस्तुतीकरण हेतु बैठक में रखा गया। परियोजना प्रस्तावक श्री संजय राय एवं उनके पर्यावरणीय सलाहकार श्री रामराघव, मेसर्स ग्रीन सर्कल आई एन सी, बडौदा, गुजरात उपस्थित हुए और उनके द्वारा समिति के समक्ष ई.आई.ए. का प्रस्तुतीकरण किया।

परियोजना प्रस्तावक ने निम्न जानकारी प्रस्तुत की:-

- परियोजना प्रस्तावक द्वारा बताया गया कि लीज क्षेत्र एक छोटी पहाड़ी पर स्थित है।
- प्रस्तावित खनन की गहराई 2 मीटर है और जल स्तर जमीनी स्तर से 76 मीटर नीचे है। अतः खनन कार्य में भू-जल का प्रतिच्छेदन प्रस्तावित नहीं है।
- अनुमोदित खनन योजना के बिन्दु क्र.-9.3.6 के अनुसार ब्लास्टिंग प्रस्तावित नहीं है।
- स्थानीय स्तर पर कार्बन के दुष्प्रभाव को रोकने के लिए परियोजना प्रस्तावक द्वारा परम्परागत ऊर्जा स्रोतों का उपयोग विभिन्न स्थानों जैसे प्रवेश द्वार, विश्राम आश्रय, सामुदायिक भवन व अन्य उपयुक्त स्थानों पर सौर्य ऊर्जा पैनल का प्रावधान बजट के साथ किया गया है।
- इसके अतिरिक्त खदान में मजदूरी करने वाले श्रमिकों को उज्ज्वला योजना के अन्तर्गत एलपीजी गैस सिलेण्डर एवं सोलर कूकर दिया जाना प्रस्तावित है जिसके लिये रु. 45,000 का बजट का प्रावधान किया गया है।

परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टेण्डर्ड शर्तों संलग्नक-ए अनुसार निम्नानुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

- 1- अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता **Bauxite-58970 Ton/Year , Laterite-52836Ton/Year & OB-4718 cum per year**
2. परियोजना प्रस्तावक के प्रस्ताव अनुसार पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 20.33 लाख एवं रिकरिंग राशि रु. 2.985 लाख प्रति वर्ष व्यय किया जावेगा।

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3. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 20.33 लाख एवं रिकरिंग राशि रु. 2.985 लाख प्रति वर्ष।

S. No.	Particulars	Budget Provisions (Rs)	
		Capital	Recurring
	For environment Protection		
1	Hiring of water tanker (3,000L) @Rs 100/day (PP owned tanker) for 300 days – Rs 30,000/-		30,000
2	Garland Drain (1.5 m Wide & 1 m Deep & 1225m Long) 5 nos. of Settling Tank are of 4 m wide, 10 m long & 2.5 m deep. 1 Settling Tank is of 4 m wide, 5 m long & 2.5 m deep. All settling tanks will be of double “S” pattern.	100000	10,000
3.	A Develop and Contribution for Widening and maintenance of the existing road approx. 60 m, Width 5.5m (excluding shoulder) @ Rs 700/meter	42,000	5,000
4	Monitoring twice a year.	NIL	50,000
5	Plantation 11000 Nos.		
	A. Within Lease Area (In Barrier Zone) @ 200rs. /Tree (1280 nos).	256000	20,000
	A. Within Lease Area (In non-mining area) @ 200rs. /Tree (300nos).	60000	
	1st year- 40 Nos. on the evacuation route up to 60m both side (@ Rs 300/tree)	12,000	10,000
	1st year - 600 Nos. at the available area in village’s Govt. Land (covered with the fencing/Boundary Wall) (@Rs 200/tree)	1,20,000	
	1st year-8780 Nos. given to villagers) (@Rs 50/tree)	439000	
	A. Cost of fertile soil to be brought from outside @ Rs 150 per cubic meter. Each tree to take approx. 0.343 cubic meter, therefore approx. 658.56 cubic meters to be utilized in the plantation 1920 trees	1,00,000	5000
	Sowing of the Prosopis seeds, dhatkumari slips & local seeds along the bund of the garland drain & settling tank.	5000	-
6	Silt Wire fence (1350m long) (@Rs 350/m)	472,500	20,000

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7.	PUC certification of vehicles (04 dumpers @ Rs 500 per dumper)	-	2,000
Labor Welfare			
8.	Drinking Water Facility and rest shelter (10x 10 ft.) with solar light.	1,00,000	7,000
9.	2 Toilets	25000	5,000
10	Occupational health checkup and Training for 15 workers (@twice/year)@ 1000 x 2 x 15	Nil	30,000
11	Provision of PPEs (helmets, safety shoes, safety glasses, gloves (15 x Rs 2000) (@ Rs 2000 per set)	30,000	10,000
12	Vocational Training for 15 Worker (min. @ Rs. 500 /labor)	-	7,500
13	Proposal for providing solar cookers/LPG gas cylinders under "Ujjwala Yojna" to them, who are residing in the nearby villages and camping Labour	45000	-
14	Installation of Solar panel (Renewable Energy) (0.5 KW)	100000	5000
Emergency Rescue Plan			
15	Fire Fighting Equipment's (1 No.) @ 20000 / firefighting and first aid @ 2000 per kit	22,000	10,000
16	Miscellaneous Expenses such as follows: 1. One solar light, 2. 2 Web Camera, 3. Display Board at mine entrance. Safety signage and warning boards like red flags, cones including reflectors	50,000	20,000
Extra Other Budget			
17.	Distribution of the Led bulb to the nearby villagers 500nos @ Rs100/bulb for the mitigation towards the carbon	50000	-
18.	Contribution in cluster management plan	-	50000
Solid Waste Management			
19.	a) Bins 3Nos @ Rs 1500 each	4,500	2,000
	b) Transport of Dry Waste	-	
Total		2033000	298500

4. वृक्षारोपण कार्यक्रम के अंतर्गत कम से कम 11,000 वृक्षों का वृक्षारोपण किया जावेगा।

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5. सी.ई.आर मद में राशि रु. 1.60 लाख का कार्य किया जावेगा । उक्त कार्य कार्य आगामी 02 वर्ष में पूर्ण किया जाये ।

Particular	Budget in Rs.
ग्राम बरुई में स्थित प्राथमिक शाला व आंगनवाड़ी में खेल सामग्री भूप्रवेश होने के 6 माह के अन्दर वितरित की जावेगी।	30,000
श्रीअन्न एवं जैविक खाद निर्माण, उत्पादन, उपयोग, मार्केटिंग, प्रोत्साहन आदि प्रशिक्षण कार्यक्रम प्रत्येक छः-छः माह में कृषि विज्ञान केन्द्र के माध्यम से ग्राम बरुई में किया जावेगा।	50,000
ग्राम बरुई के कल्याण हेतु रोगी कल्याण समिति में अधोसंरचना विकास योजनाओं के अन्तर्गत ग्राम पंचायत के खाते में भू-प्रवेश होने के छः माह के अन्दर उल्लेखित राशि प्रदान की जावेगी।	50,000
ग्राम बरुई में स्थित माध्यमिक शाला में पालक शिक्षा संघ के लिये भू-प्रवेश होने के छः माह के अन्दर उल्लेखित राशि प्रदान की जावेगी।	30,000
कुल राशि	1,60,000

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11. **Case No 10260/2023 Shri Vikas Sharma, Director, M/s Garima Natural Resources Private Limited, R/o Shop No. 150, 106, 2nd Floor, Shri Ram Heritage, Netaji Chowk, Katora Talab, District-Raipur (MP)-492001, Prior Environment Clearance for Chakariya Gold Block in an area of 23.57 ha. (Gold-12553, Mine Waste-119250 TPA) (Khasra No. 848/2, 848/3, 1111, 1118, 358, 847, 848/1, 849, 850, 851, 852, 854, 855, 867, 868, 869, 870, 871, 872, 873, 853, 1110, 1111, 1112/1, 1112/2, 1112/3, 1113, 1114, 1115, 1116/1, 1116/2, 1117/1, 1117/2, 1119, 1120, 1121, 1122/1, 1122/2, 1122/3, 1122/4, 1125, 1126/1/1, 1126/1/2, 1126/2, 1126/3, 1123, 1127/1/1, 1127/1/2, 1127/2, 1127/3, 1144/1, 1144/2, 1144/3, 1144/4, 1128, 1124), Village-Chakariyadand, Tehsil-Chitrangi, District-Singrauli (MP) . On-line Proposal No. 518793. For EIA.**

Earlier in the SEAC 665th meeting dated 03.08.2023 wherein ToR was recommended by the committee which was issued by SEIAA vide letter no. 2037/SEIAA/2024 Bhopal dated 10.11.2023.

परियोजना की रूपरेखा

परियोजना विवरण	परियोजना प्रस्तावक द्वारा प्रस्तुत दस्तावेज	
परियोजना प्रस्तावक, परियोजना/क0/ संस्थान का नाम व पता	Shri Vikas Sharma, Director, M/s Garima Natural Resources Private Limited, R/o Shop No. 150, 106, 2nd Floor, Shri Ram Heritage, Netaji Chowk, Katora Talab, District-Raipur (MP)-492001, E-mail-garimanatural2020@gmail.com, Mobile-9893933372 Prior Environment Clearance for Chakariya Gold Block in an area of 23.57 ha. (Gold-12553, Mine Waste-119250 TPA) (Khasra No. 848/2, 848/3, 1111, 1118, 358, 847, 848/1, 849, 850, 851, 852, 854, 855, 867, 868, 869, 870, 871, 872, 873, 853, 1110, 1111, 1112/1, 1112/2, 1112/3, 1113, 1114, 1115, 1116/1, 1116/2, 1117/1, 1117/2, 1119, 1120, 1121, 1122/1, 1122/2, 1122/3, 1122/4, 1125, 1126/1/1, 1126/1/2, 1126/2, 1126/3, 1123, 1127/1/1, 1127/1/2, 1127/2, 1127/3, 1144/1, 1144/2, 1144/3, 1144/4, 1128, 1124), Village-Chakariyadand, Tehsil-Chitrangi, District-Singrauli (MP) [426574]	
परियोजना का खसरा नं. /लीज क्षेत्रफल (सरकारी/निजी)	खसरा नं0. 848/2, 848/3, 1111, 1118, 358, 847, 848/1, 849, 850, 851, 852, 854, 855, 867, 868, 869, 870, 871, 872, 873, 853, 1110, 1111, 1112/1, 1112/2, 1112/3, 1113, 1114, 1115, 1116/1, 1116/2, 1117/1, 1117/2, 1119, 1120, 1121, 1122/1, 1122/2, 1122/3, 1122/4, 1125, 1126/1/1, 1126/1/2, 1126/2, 1126/3, 1123, 1127/1/1, 1127/1/2, 1127/2, 1127/3, 1144/1, 1144/2, 1144/3, 1144/4, 1128, 1124), ग्राम - चकरियाडांड, तह. - चितरंगी, जिला - सिंगरौली (म.प्र.).	23.57 हेक्टेयर शासकीय एवं निजी
परियोजना की श्रेणी	बी-1 श्रेणी, ToR (Proposed ToR Submitted by PP).	
खनन कार्य:	The mine is proposed to be worked by opencast mining, by adopting a system of deep hole both for blasting and working with the help of heavy	

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(परिवेश पोर्टल पर अपलोड जानकारी अनुसार)।	machinery for digging, excavation and removal of Ore, over burden/mine reject. All operations of mining, including DTH drill and deep hole blasting, excavation, loading & transportation on single shift basis, shall form the complete agenda of mining operation.
डिया द्वारा जारी ई.सी. उत्पादन क्षमता	लागू नहीं। परियोजना प्रस्तावक द्वारा गोल्ड. 12553 TPA, माइन वेस्ट . 119250 TPA.
सैद्धांतिक सहमति/स्वीकृति	पत्र क्र०. एफ. 3-12/2020/12/1 भोपाल दिनांक 14/09/2020.
परियोजना के 500 मीटर की परिधि में संचालित /स्वीकृत अन्य खदानों का विवरण	कार्यालय कलेक्टर (खनिज शाखा) जिला सिंगरौली के संशोधित एकल प्रमाण-पत्र क्रमांक 737 दिनांक 03/03/2023 अनुसार 500 मीटर की परिधि में अन्य कोई खदान संचालित है, जिनका कुल रकबा 23.57 हे. होता है, अतः प्रकरण बी-1 श्रेणी के अंतर्गत आता है।
परियोजना के संबंध में डीएफओ की एनओसी	वनमंडलाधिकारी सिंगरौली के प्रतिवेदन क्रमांक 501 दिनांक 24/01/2023 अनुसार 10 किलोमीटर की परिधि में कोई नेशनल पार्क/अभ्यारण्य /ईको सेंसेटिव जोन स्थित नहीं है। वनमंडलाधिकारी सिंगरौली के प्रतिवेदन क्रमांक 501 दिनांक 24/01/2023 अनुसार आवेदित स्थल बीट सिल्फोरी के वन कक्ष क्रमांक पी. 163 से 09 मीटर की दूरी पर स्थित है। अतः प्रकरण नियमानुसार संभाग स्तरीय समिति की ओर प्रेषित किया गया। संभाग स्तरीय समिति की बैठक दिनांक 01/03/2019 में लिये गये निर्णय अनुसार प्रकरण में लिये गये निर्णय अनुसार प्रकरण में सशर्त स्वीकृति प्रदाय की गई है।
परियोजना के संबंध राजस्व जानकारी	कार्यालय कलेक्टर जिला सिंगरौली द्वारा पत्र क्रमांक 737 दिनांक 30/03/2023 अनुसार 10 कि.मी. की परिधि में कोई अन्तराज्यीय सीमा स्थित नहीं है।
ग्राम सभा/ ग्राम पंचायत की अनुमति	परिवेश पोर्टल पर अपलोड नहीं है ।
प्रस्तावित स्थल पर वृक्षों की वर्तमान स्थिति	खदान क्षेत्र के अंदर कई पेड़ लगे हुए हैं।
प्रस्तावित खदान की गूगल इमेज अनुसार स्थिति (यदि सेटबैक आवश्यक हो)	खदान क्षेत्र के अंदर कई सारे आवासीय मकान हैं एवं मध्य से एक कच्चा रोड़ उत्तर से दक्षिण दिशा में निकल रही है। खदान क्षेत्र के दक्षिण पश्चिम की ओर कई सारे विखरे हुए मकान दिखाई दे रहे हैं। दक्षिण पूर्व दिशा- पक्का रोड 349 मीटर
जिला सर्वेक्षण रिपोर्ट की स्थिति	लागू नहीं

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PP has submitted the EIA report on the Parivesh Portal which was hence the same was scheduled in the agenda for EIA presentation.

The EIA was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services , Bhopal (MP) and their representatives on behalf of PP Shri Radhe Shyam Tiwari , M/s Garima Natural Resources Private Limited, Raipur (CG).

During EIA presentation PP submitted that :

- This is case of fresh case in excavation in Gold Deposit. The proposed site located at Khasra No. : 848/2, 848/3, 1111, 1118, 358, 847, 848/1, 849, 850, 851, 852, 854, 855, 867, 868, 869, 870, 871, 872, 873, 853, 1110, 1111, 1112/1, 1112/2, 1112/3, 1113, 1114, 1115, 1116/1, 1116/2, 1117/1, 1117/2, 1119, 1120, 1121, 1122/1, 1122/2, 1122/3, 1122/4, 1125, 1126/1/1, 1126/1/2, 1126/2, 1126/3, 1123, 1127/1/1, 1127/1/2, 1127/2, 1127/3, 1144/1, 1144/2, 1144/3, 1144/4, 1128, 1124 , Village- Chakariya , Tehsil-Chitrangi, Dist- Singrauli (MP). The project requires prior EC before commencement of any activity at site.
- This is case of excavation of Gold (Major Mineral) Deposit Mine. The project has been proposed for the Mining of gold over Govt (22.90 hact) and private Land (0.67 hact) by open cast through mechanized method.
- Mining will be confined to the allotted lease area which lies on the Govt (22.90 hact) and private Land (0.67 hact) from where gold will be excavated .
- The mining lease has been sanctioned through auction in favour of M/s Garima Natural Resources pvt Ltd over an area of 23.57 Ha on Khasra No 848/2, 848/3, 1111, 1118, 358, 847, 848/1, 849, 850, 851, 852, 854, 855, 867, 868, 869, 870, 871, 872, 873, 853, 1110, 1111, 1112/1, 1112/2, 1112/3, 1113, 1114, 1115, 1116/1, 1116/2, 1117/1, 1117/2, 1119, 1120, 1121, 1122/1, 1122/2, 1122/3, 1122/4, 1125, 1126/1/1, 1126/1/2, 1126/2, 1126/3, 1123, 1127/1/1, 1127/1/2, 1127/2, 1127/3, 1144/1, 1144/2, 1144/3, 1144/4, 1128, 1124 , Village- Chakariya , Tehsil-Chitrangi, Dist- Singrauli (MP).

The PP further submitted that the total minable area is only 4.745 ha. A total mineable reserve as per the mining plan for gold deposit is 18356 Tonne respectively & with maximum of production of gold of 12533 TPA after commencement of operation. The proposed project is an opencast and fully mechanized mining project, where mining of gold deposit will be done through drilling, blasting/ rock breaker, Jack hamer etc .

प्रस्तुतीकरण के दौरान परियोजना प्रस्तावक द्वारा बताया गया कि खदान क्षेत्र के अंदर शासकीय भूमि पर कुछ मकान/झोपड़ी हैं वह अवैध अतिक्रमण है, प्रश्नाधीन लीज परियोजना प्रस्तावक को नीलामी में आवंटित हुई है तथा लीज क्षेत्र में स्थित मकान/झोपड़ी के विस्थापन के संबंध में

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LARR Act- 2013 अनुसार रु. 187.76 लाख का प्रावधान किया गया है। समिति ने परीक्षण के दौरान पाया कि परियोजना प्रस्तावक ने टॉर की शर्त अनुसार ग्रामसभा के ठहराव प्रस्ताव प्रस्तुत नहीं किया गया है, अतः उक्त ठहराव प्रस्ताव सिया में प्रस्तुत किया जाये।

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for mining of Chakariya Gold Deposit in an area of 23.57 ha. (ROM- 131803TPA (Gold-12553TPA, OB- 119250TPA) (Khasra No.: 848/2, 848/3, 1111, 1118, 358, 847, 848/1, 849, 850, 851, 852, 854, 855, 867, 868, 869, 870, 871, 872, 873, 853, 1110, 1111, 1112/1, 1112/2, 1112/3, 1113, 1114, 1115, 1116/1, 1116/2, 1117/1, 1117/2, 1119, 1120, 1121, 1122/1, 1122/2, 1122/3, 1122/4, 1125, 1126/1/1, 1126/1/2, 1126/2, 1126/3, 1123, 1127/1/1, 1127/1/2, 1127/2, 1127/3, 1144/1, 1144/2, 1144/3, 1144/4, 1128, 1124, Village- Chakariya, Tehsil-Chitrangi, Dist- Singrauli (MP) with following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

10. Muffle with nonel system for Blasting shall be adopted for proposed mining and no secondary blasting shall be done and rock breaker will be used instead secondary blasting only.
11. Working height of the loading machines shall be compatible with bench configuration.

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12. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
13. No explosive will be stored at the mine site.
14. No intermediate stacking is permitted at the mine site.
15. No dump shall be stacked outside the lease area.
16. Overhead sprinklers shall be provided in mine.
17. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
18. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1550 trees shall be planted on barrier zone, backfilled area , and along the road also.
19. Transportation of material shall be done in covered vehicles.
20. Transportation of minerals shall not be carried out through forest area.
21. The OB shall be reutilized for maintenance of road and for back filling . PP shall bound to compliance the final closure plan as approved by the IBM.
22. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. One drain is proposed having dimension of 991 X 1.0 X 1.0mt . One settling tank having size of 1135 sq mt X 5.0 m will be provided
23. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development. Regular de-silting of drains and pits should be carried out.
24. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
25. The proposed land use plan of the mine is as follows:

Items	Existing	SOM Period	Conceptual Period
Total lease area	23.57 ha		
Ultimate depth of mining	Nil	11 bgl (355 m AMSL)	11 bgl (355 m AMSL)
Ultimate pit slope	45 degree	45 degree	45 degree
Area under dumps	Nil	Nil	1.8564 ha

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Area under pits	Nil	0.8356 ha	0.8356 ha
Infrastructure & Road	Nil	0.010 ha	0.4290 ha
Mineral storage/ under utility section	-	-	-
Plantation	Nil	-	21.8564 ha
Water body	-	-	0.8356 ha
Un-worked area	-	-	5.9436 ha (11900 no.)
Backfilled area	Nil	Nil	Nil
Bench area/ Dump area	Nil	Nil	1.8564 (3700no.)
Total area for plantation	Nil	-	7.80 ha (15600 No.)

26. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
27. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
28. The commitments made in the public hearing are to be fulfilled by the PP.
29. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
30. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

31. In the proposed EMP, capital cost is Rs. 51.47 Lakh is proposed and Rs.21.73 Lakh /year as recurring expenses.
32. As per office memorandum vide no 22-65/2017/IA-III dated 30.09.2020,, the commitment to address the concern raised during the public hearing issues with physical target shall be complied as below :

Commitment towards public hearing Issue in terms of Physical Target		
SN	Issues	Cost in Rs Lakh

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1	Provision of half yearly free health check-up camp for villages	RS 1.00
2	Maintenance of village road @1km	Rs 2.00
3	Provision of ambulance for villagers	RS 15.00
Total		Rs 18.00

33. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
34. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

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12. Case No. P2/996/24 Shri LAKHWINDER PANAG, Lessee, 1238, Sector 90, Mohali, CHHATARPUR (M.P.) Prior Environment Clearance for Stone Mine in an area of 4.00 ha. (1,88,803 cum per annum) (Khasra No. 946,) Village Badourikala Tehsil Gaurihar, Dist. Chhatarpur (M. P.) B-2 SIA/MP/MIN/475151/2024 DEIAA-New-TOR.

परियोजना विवरण	परियोजना प्रस्तावक द्वारा प्रस्तुत दस्तावेज
परियोजना प्रस्तावक का नाम व पता	<u>Shri Lakhwinder Panag, Lessee, 1238, Sector 90, Mohali, Chhatarpur (M.P.)</u>
खसरा नं./ क्षेत्रफल (सरकारी/निजी)	946 ए (सरकारी-नॉन फॉरेस्ट लैंड) <u>4.00 hectare.</u>
स्थल	<u>Village Badourikala Tehsil Gaurihar, Dist. Chhatarpur (M. P.)</u>
लीज स्वीकृति	लीज अनुबंध दिनांक 13/03/18.
ब्लास्टिंग/रॉक ब्रेकर	ब्लास्टिंग प्रस्तावित है ।
प्रकरण की स्थिति	<u>DEIAA-New.</u>
डिया ई.सी. का विवरण (यदि लागू हो)	डिया छतरपुर के पत्र क्रमांक 2586 दिनांक 06/06/18 के द्वारा पत्थर-2,39,430 घनमीटर/वर्ष हेतु पर्यावरणीय अनापत्ति प्राप्त है।
उत्पादन क्षमता	परियोजना प्रस्तावक द्वारा अधिकतम उत्पादन क्षमता पत्थर-1,88,803 घनमीटर/वर्ष हेतु आवेदन किया गया है और अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता पत्थर-1,88,803 घनमीटर/वर्ष है।
500 मीटर की परिधि में अन्य खदानें	कार्यालय कलेक्टर (खनिज शाखा) जिला छतरपुर के एकल प्रमाण-पत्र क्रमांक 2125 दिनांक 09/08/23 अनुसार 500 मीटर की परिधि में 06 अन्य खदानें संचालित/स्वीकृत है, इस प्रकार कुल रकबा 20.725 हे. होता है, अतः प्रकरण बी-1 श्रेणी का है।
वन मण्डलाधिकारी की अनापत्ति	कार्यालय कलेक्टर (खनिज शाखा) जिला छतरपुर के एकल प्रमाण-पत्र क्रमांक 2125 दिनांक 09/08/23 अनुसार 10 किलोमीटर की परिधि में नेशनल पार्क/अभ्यारण्य/ईको सेंसेटिव जोन जैव विविधता क्षेत्र स्थित नहीं है एवं 250 मीटर में वन क्षेत्र स्थित नहीं है ।
तहसीलदार की अनापत्ति	कार्यालय कलेक्टर (खनिज शाखा) जिला छतरपुर के एकल प्रमाण-पत्र क्रमांक 2125 दिनांक 09/08/23 अनुसार 500 मीटर की परिधि में मानव बसाहट, शैक्षणिक संस्थान, चिकित्सालय, पुरातत्व धरोहर, राष्ट्रीय महत्व के स्मारक, रेलवे लाईन/सार्वजनिक भवन/शमशान घाट/राष्ट्रीय राजमार्ग/संवेदनशील क्षेत्रों जैसे: रेडियो स्टेशन, दूरदर्शन, हवाई अड्डा, प्रतिरक्षा संस्थान एवं जलीय निकाय/नदी/तालाब/बांध/स्टॉप डैम/नहर/ग्रामीण कच्चा/पक्का रास्ता/नाला नहीं है ।

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ग्राम सभा/ ग्राम पंचायत की अनापत्ति	ग्राम पंचायत बदौरकलां जिला छतरपुर के ठहराव प्रस्ताव क्रमांक-9 दिनांक 21/01/22 अनुसार प्रस्तावित स्थल पर खनन कार्य का प्रस्ताव पारित ।
प्रस्तावि स्थल पर वृक्षों की वर्तमान स्थिति	निरंक
प्रस्तावि स्थल की गूगल इमेज अनुसार वर्तमान स्थिति	उत्तर दिशा- खदान
	दक्षिण दिशा- 200 मीटर पर बस्ती
	पूर्व दिशा- खदान
	पश्चिम दिशा- खदान
प्रस्तावि खदान की जिला सर्वेक्षण रिपोर्ट में स्थिति	परियोजना प्रस्तावक ने बताया कि इस खदान का विवरण जिले की अनुमोदित नवीन जिला सर्वेक्षण रिपोर्ट के पेज नं.-119 के सरल क्रमांक-60 पर दर्ज है ।

प्रकरण आज सेक की 741वीं बैठक दिनांक 25/04/24 को प्रस्तुतीकरण हेतु सूचीबद्ध था, जिसमें परियोजना प्रस्तावक/उनके पर्यावरणीय सलाहकार समिति के समक्ष उपस्थित नहीं हुए । समिति ने चर्चा उपरांत निर्णय लिया कि परियोजना प्रस्तावक से प्रस्तुतीकरण हेतु अनुरोध प्राप्त होने के पश्चात प्रकरण की समीक्षा हेतु विचार किया जा सकेगा ।

प्रस्तावित खदान बी-1 श्रेणी के अंतर्गत डिया द्वारा जारी पूर्व पूर्व पर्यावरणीय स्वीकृति के पुनर्मूल्यांकन हेतु टॉर का है, जिसमें आज दिनांक 28/01/2024 को परियोजना प्रस्तावक की ओर से उनके पर्यावरणीय सलाहकार श्री मुकेश कावरे, मे. क्रियटिव इवायरो सर्विसेस भोपाल उपस्थित हुए और उनके द्वारा समिति के समक्ष प्रस्तुतीकरण किया गया ।

प्रस्तावित खदान की डिया के द्वारा पर्यावरणीय अनापत्ति प्राप्त है उपरोक्त विवरण के परिप्रेक्ष्य में समिति इस प्रकरण में ई.आई.ए. तैयार करने हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय द्वारा जारी स्टेण्डर्ड टॉर, एनेक्जर-डी में उल्लेखित मानक शर्तों व विशिष्ट शर्तों के साथ निम्न टॉर जारी करने की समिति अनुशंसा करती है:-

1. Copy of Form-I
2. Land status/P2:
3. Area & Location with Khasra no:
4. Current Ekal Praman Patra
5. Status of Eco-Sensitive Zone (mentioned in Old & new Ekal Praman Patr/SEIAA Proposal/DEIAA EC)
6. Production capacity and year wise production details, in tabular form till today:
7. OB Dump and waste management with facts and figures:
8. Top soil management with soil profile:
9. Detail of old Environment Clearance with validity period:
10. EC transfer details (if any), old EC no.....date.....

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11. Lease agreement details with compliance of LRC provisions
12. Water requirement (KLD):
13. Green Area: in hac. & Number of plants to be planted (Proposed)
14. No of trees & tree felling total tree inventory with photos:
15. Work Done under CER with coordinates, photos & verifiable proof:
16. Compliance of EC conditions (EC granted by DEIAA):
 - Tree plantation (Target/compliance/ Photographs)
 - GPS Photo graphs of at least 25% plantation for the proposed plantation.
 - Fencing work (Polygon with GPS photos showing complete fencing in total periphery)
 - GPS Photo graphs of Garland drains length & number & size of settling tanks
 - Detail of plants distribution with list : name of villager's, mobile number, number of plants name of village.
 - Verifiable proof of CER
17. Drone photograph of 500 m radius of proposed area.
18. Carbon footprint.
19. Compliance of water/ air consents issued by MPPCB.
20. प्रश्नाधीन खदान में यदि पेड़ लगे हों तो अतः उनकी प्रजाति, ऊँचाई, गर्थ के जियोटेग फोटोग्राफ एवं यदि उनमें से कोई पेड़ काटा जाना प्रस्तावित हो तो उन्ही प्रजाति के 10 गुना अतिरिक्त पेड़ लगाने का प्रस्ताव पौधा रोपण स्कीम में शामिल करते हुये ई.आई.ए. रिपोर्ट के साथ प्रस्तुत की जाये।
21. प्रश्नाधीन खदान के 500 मी. की परिधि में स्थित संवेदनशील घटकों(जैसे प्राकृतिक नाला, नदी, नहर, आबादी कच्ची एवं पक्की सड़क, पुरातत्व महत्व के स्थल इत्यादि) की खदान से दूरी दर्शाते हुये एवं माननीय एनजीटी के उक्त स्थानवारमापदण्ड छोड़ते हुये सरफेस मेप को ई.आई.ए. रिपोर्ट के साथ प्रस्तुत करें।
22. ई.आई.ए. की स्टडी के दौरान एवं फील्ड में पर्यावरणीय मॉनिटरिंग डेटा के एकत्रीकरण के समय संबंधित म.प्र. प्रदूषण नियंत्रण बोर्ड के क्षेत्रीय कार्यालय को पूर्व में ही सूचित करें।
23. फील्ड में पर्यावरणीय मॉनिटरिंग डेटा के एकत्रीकरण के जिओ टैग फोटोग्राफ्स ई.आई.ए.रिपोर्ट में प्रस्तुत करें।
24. ई.आई.ए. प्रस्तुतीकरण के दौरान फील्ड में पर्यावरणीय मॉनिटरिंग डेटा एकत्रीकरण करने वाले सदस्य भी पर्यावरण सलाहकार की टीम के साथ उपस्थित रहें।
25. यदि कृषि भूमि लीज क्षेत्र से समीप हों तो 25 मी. का सेटबैक छोड़ते हुये सरफेस मेप में दर्शाये।
26. स्थानीय स्तर पर कार्बन के दूष्रभाव को रोकने के लिये एक व्यवसायिक व्यवस्था के अंतर्गत 500 मीटर से 1.0 किलोमीटर के अंदर किसानों द्वारा लगाये गये बड़े पेड़ों को चिन्हित कर इनके द्वारा अवशोषित कार्बन डाइआक्साइड के एवज् में किसानों को भुगतान किया जावेगा, कार्बन फुटप्रिन्ट हेतु किसानों को देय राशि ई. एम.पी. में शामिल किया जाये।
27. सी.ई.आर. योजनाके अंतर्गत श्री-अन्न एवं जैविक खाद निर्माण, उत्पादन, उपयोग, मार्केटिंग, प्रोत्साहन आदि प्रशिक्षण कार्यक्रमप्रत्येक 6-6 माह में कृषि विज्ञान केन्द्र के माध्यम से ग्राम में करने का प्रस्ताव बजट सहित प्रस्तुत करें।
28. अनुमोदितमाईनिंग प्लान के अनुसार खनन किये गये पिट्स में बैचेस की स्थिति।
29. नवीन ग्रामसभा की ठहराव प्रस्ताव/अनापत्ति प्रमाण पत्र।

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30. कलस्टर मैनेजमेन्ट प्लान एवं कुमुलेटिव इम्पेक्ट स्टडी ई.आई.ए. रिपोर्ट के साथ प्रस्तुत की जाये।
31. यदि प्रकरण पेसा ,चै।द्ध ग्राम में स्थित है तो पेसा ग्राम सभा का प्रस्ताव।
32. यदि खदान कि भूमि पौधारोपण के लिये अनुकूल नहीं है अतः अन्य वैकल्पिक स्थानों मे पौधारोपण का प्रस्ताव प्रस्तुत करें।
33. आंवाटित खदान क्षेत्र यदि पूर्ण रूप से पथरीला हो तो प्रस्तावित वृक्षारोपण योजना अनुसार नक्शे पर स्वाईल प्रोफाइल के साथ यह बताया जाये कि वृक्षारोपण कार्य किस जगह किया जायेगा ।
34. लीज क्षेत्र के ढलान को ध्यान में रखते हुये सेटलिंग टैंक का प्रस्ताव प्रस्तुत करे
35. खदान क्षेत्र के अंदर यदि केशर प्लांट प्रस्तावित हो तो इसके प्रभाव का आकलन एवं म.प्र. प्रदूषण नियंत्रण बोर्ड की दिशा निर्देशों के अनुसार प्रस्तावित केशर प्लान्ट में वायु प्रदूषणरोधी उपकरणों की स्थापना संबंधी विवरण ई.आई.ए. रिपोर्ट के साथ प्रस्तुत की जाये।
36. प्रस्तावित चारागाह का विवरण ई.आई.ए. रिपोर्ट के साथ प्रस्तुत की जाये।
37. यदि लीज क्षेत्र में केशर प्रस्तावित हो तो फॉगिंग मशीन का प्रस्ताव ईएमपी में बजट के साथ प्रस्तुत करें।
38. खदान क्षेत्र के आसपास स्थित हुये जीपीएस कोर्डिनेट्स के साथ भू-जल स्तर ई.आई.ए. रिपोर्ट के साथ प्रस्तुत की जाये।
39. लीज एरिया खुदा हुआ हो तो माईन रिस्टोरेशन कार्य का प्रस्ताव ईएमपी में शामिल करते हुये ई.आई.ए. रिपोर्ट के साथ प्रस्तुत की जाये।
40. सी.ई.आर. का ऑकलन स्थानीय स्तर पर किया जावे इस हेतु पंच, सरपंच, ग्राम सहायक, पटवारी तथा ए.न. एम. आदि से चर्चा की जावे ।
41. प्रस्तावित खदान के आस पास स्थित खदानों के नाम सहित विवरण प्रस्तुत करें।
42. उपरोक्त विवरण के परिप्रेक्ष्य में समिति इस प्रकरण में ई.आई.ए. तैयार करने हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय द्वारा जारी स्टेण्डर्ड टॉर, एनेक्जर-डी में उल्लेखित मानक शर्तों व गौण खनिजों के टॉर प्रकरणों में सेक की 745 वीं बैठक दिनांक 30/04/2024 एवं सेक की 753 वीं बैठक दिनांक 17/05 /2024 में लिये गये निर्णयानुसारविशिष्ट शर्तों के साथ स्टेण्डर्ड टॉर जारी टॉर जारी करने की अनुशंसा की जाती है।

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13. Case No P2/595/24 Mrs. Anita Bindal, Partner, M/S BALLARI MAA STONE CRUSHER, R/o-Approach Road Kolaras, District-Shivpuri, M.P. 473770, Prior Environment Clearance for Barai Stone Quarry for Stone Quarry with a Production Capacity of Stone (Gitti,) -10,000 Cu.mt/year & M-Sand - 7,000 Cu.mt/year having a lease area of 1.0 hectare, at Khasra No. -18 (PVT. Land) Village- Barai, Tehsil-Badarwas, District- Shivpuri (M.P.) B2 Case.

Earlier this case was recommended by SEAC in the 751st dated 15.05.2024.

परियोजना विवरण	परियोजना प्रस्तावक द्वारा प्रस्तुत दस्तावेज	
परियोजना प्रस्तावक, परियोजना / कम्पनी / संस्थान का नाम व पता	Mrs. Anita Bindal, Partner, M/S BALLARI MAA STONE CRUSHER, R/o-Approach Road Kolaras, District-Shivpuri, M.P. 473770, Prior Environment Clearance for Barai Stone Quarry for Stone Quarry with a Production Capacity of Stone (Gitti,) -10,000 Cu.mt/year & M-Sand - 7,000 Cu.mt/year having a lease area of 1.0 hectare, at Khasra No. -18 (Govt. Land) Village- Barai, Tehsil- Badarwas, District- Shivpuri (M.P.)	
परियोजना का खसरा नं./लीज क्षेत्रफल	खसरा नं.-18,	एरिया-1.00 ha., स्वयं की निजी भूमि
परियोजना स्थल	Village- Barai, Tehsil- Badarwas, District- Shivpuri (M.P.)	
Description of Project	It is a Stone Quarry with a Production Capacity of 10,000 Cu.mt/year Stone (Gitti,) 7,000 Cu.mt/year M-Sand having a lease area of 1.0 hectare, at Khasra No. -18 (Govt. Land) Village- Barai, Tehsil- Badarwas, District- Shivpuri (M.P.)	
सैधातिक सहमति	पत्र क्र0. 239 दिनांक 12/02/2024.	
पर्यावरणीय स्वीकृति	New.	
टॉर स्थिति	लागू नहीं।	
खनन कार्य ब्लास्टिंग/रॉक ब्रेकर	Controlled Blasting techniques, Muffle Blasting and use of sand bags.	
केशर की स्थिति	एम सेण्ड केशर लीज क्षेत्र के बाहर प्रस्तावित है	
प्रस्तावि स्थत पर वृक्षों की वर्तमान स्थिति	<ul style="list-style-type: none"> ● लीज में स्थित पेड़ों का विवरण 0 ● यदि पेड़ काटे जाने हैं तो उनका विवरण 0 ● काटे गये पेड़ों के एवज में लगाये जाने वाले पेड़ों की संख्या 0 	
डिया द्वारा जारी ई.सी. का विवरण (यदि लागू हो)	लागू नहीं।	
उत्पादन क्षमता	Stone (Gitti,) -10,000 Cu.mt/year & M-Sand - 7,000 Cu.mt/year	

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परियोजना के 500 मीटर की परिधि में संचालित /स्वीकृत अन्य खदानों का विवरण।	कार्यालय कलेक्टर (खनिज शाखा) जिला – शिवपुरी के एकल प्रमाण-पत्र क्रमांक 370 दिनांक 01/03/2024 अनुसार 500 मीटर की परिधि में 02 खदाने स्वीकृत है, जिनको मिलाकर कुल रकबा 5.00हे. होता है, अतः प्रकरण बी-2 श्रेणी के अंतर्गत आता है।
परियोजना के संबंध में डीएफओ की एनओसी	कार्यालय कलेक्टर (खनिज शाखा) जिला – शिवपुरी के एकल प्रमाण-पत्र क्रमांक 370 दिनांक 01/03/2024 अनुसार 10 किलोमीटर की परिधि में नेशनल पार्क/अभ्यारण्य/ईको सेंसेटिव जोन जैव विविधता एवं 250 मीटर में वन क्षेत्र स्थित नहीं है।
परियोजना के संबंध राजस्व जानकारी	कार्यालय कलेक्टर (खनिज शाखा) जिला – शिवपुरी के एकल प्रमाण-पत्र क्रमांक 370 दिनांक 01/03/2024 अनुसार 500 मीटर की परिधि में मानव बसाहट, शैक्षणिक संस्थान, नाला इत्यादि स्थित नहीं है।
ग्राम सभा/ ग्राम पंचायत/ नगर परिषद्	कार्यालय ग्राम पंचायत – बारई, जिला – शिवपुरी द्वारा जारी ठहराव प्रस्ताव क्र0. 02 दिनांक 29/102/2023 द्वारा अनापत्ति पत्र जारी किया गया है।
प्रस्तावित खदान की गूगल इमेज अनुसार स्थिति (यदि सेटबैक आवश्यक हो)	500 मी कि परिधि में कुछ अन्य गड्ढे परिलक्षित हो रहे हैं, जिनके सम्बंध में परियोजना प्रस्तावक द्वारा बताया गया कि उक्त गड्ढे पूर्व में स्वीकृत खदानों के गड्ढे हैं, जो कि वर्तमान में बंद है एवं कुछ ग्राम वासियो द्वारा खोदे गये गड्ढे है उक्त प्रकरण के 500 मीटर के दायरे में अन्य स्वीकृत उत्खनिपट्टा प्रकरण क्रमांक P2/619/2024जिसके एकल पत्र क्रमांक 255/3-6/खनि/क्यु.एल.38/21/2024 शिवपुरी में उत्खनिपट्टे के 500 मीटर में आरहे अन्य गड्ढों के बारे में विस्तृत जानकारी दी गयी है ।
	उत्तर पूर्व दिशा-खदान क्षेत्र से उत्तर पूर्व दिशा में 76 मीटर पर नाला स्थित है।
	उत्तर पश्चिम दिशा-खदान क्षेत्र से उत्तर पश्चिम दिशा में 72 मीटर पर नाला उपस्थित है।
जल/वायु सम्मति वैद्यता	CTE will be applied after getting Environmental Clearance as it is a fresh Quarry Lease.
जिला सर्वेक्षण रिपोर्ट की स्थिति	कार्यालय कलेक्टर (खनिज शाखा) जिला – शिवपुरी के पत्र क्रमांक 253 दिनांक 13/02/2024 के द्वारा अवगत कराया गया कि उक्त खदान जिले की जिला सर्वेक्षण रिपोर्ट में जोड़ी जावेगी।

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SEIAA referred back this case in the meeting no. 856A dated 29.05.2024. Minutes are quoted as given below.

परियोजना प्रस्तावक द्वारा प्रस्तुत अनुमोदित खनन योजना के अक्षांश देशांश के आधार गूगल इमेज के अनुसार प्रस्तावित खदान के 500 मीटर की परिधि में कई अन्य खदानें स्वीकृत/संचालित होना परिलक्षित है जिसको मिलाकर कुल रकबा 5.00 हेक्टेयर से अधिक होता है जिसके कारण प्रकरण बी-1 श्रेणी का प्रतीत होता है, अतः पुनः परीक्षण हेतु SEAC को अग्रप्रेषित किया जाये एवं SEAC द्वारा प्रकरण में जिला खनिज अधिकारी से स्थल निरीक्षण उपरांत 500 मीटर की परिधि में स्वीकृत/संचालित खदानों की स्पष्ट जानकारी प्राप्त करने के उपरांत अनुशंसा सहित प्राधिकरण को प्रेषित किया जाये। तदनुसार परियोजना प्रस्तावक को सूचित किया जाये।

प्रस्तावित खदान बी-2 श्रेणी के अंतर्गत पूर्व पर्यावरणीय स्वीकृति के पर्यावरणीय स्वीकृति के लिए आवेदित है, जिसमें आज दिनांक 28/01/2025 को परियोजना प्रस्तावक Anita Bindal, Partner on-line M/S BALLARI MAA STONE CRUSHER, online, एवं उनके पर्यावरणीय सलाहकार श्री रामराघव, मेसर्स ग्रीन सर्कल आई.एन.सी., वडोदरा (गुजरात) उपस्थित हुए और उनके द्वारा समिति के समक्ष प्रस्तुतीकरण किया गया।

प्रस्तुतीकरण के दौरान पर्यावरणीय सलाहकार द्वारा कार्यालय कलेक्टर का पत्र क्रमांक 159 दिनांक 29/01/2025 प्रस्तुत किया गया जिसमें उल्लेख है कि मे. बलारी मॉ स्टोन क्रेशर पार्टनर श्रीमती अनिता बिन्दल के पक्ष में तहसील बदरवास के ग्राम बारई की निजी भूमि सर्वे नम्बर-18 रकबा एक हेक्टेयर क्षेत्र पर कशर गिट्टी एवं एमसेन्ड हेतु उत्खनि पट्टा- सैद्धान्तिक स्वीकृति दी गई है। पट्टा क्षेत्र के 500 मी. की परिधि में जून 2024 के पश्चात् ग्राम बारई की शासकीय भूमि सर्वे नम्बर-203 रकबा 4 हेक्टेयर क्षेत्र में एक अन्य उत्खनि पट्टा संचालक प्रशासन एवं खनिकर्म भोपाल के आदेश क्रमांक 8092-95 दिनांक 01/08/2024 से मे. देवराज एसोसियेट के पक्ष में सैद्धान्तिक मंजूरी जारी हुई है। अतः परियोजना प्रस्तावक के सलाहकार ने बताया कि 500 मी. की परिधि में खदानों का कुल रकबा 5 हेक्ट. होता है अतः प्रकरण बी-2 श्रेणी का है।

अतः समिति ने चर्चा उपरांत अपनी पूर्व सेक की 751वीं बैठक दिनांक 15/05/2024 में पर्यावरण स्वीकृति की अनुशंसा को यथावत रखने का निर्णय लिया है।

(राकेश कुमार श्रीवास्तव)
अध्यक्ष

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Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions and cases appraised for grant of TOR:

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

1. Mining should be carried out as per the submitted land use plan and approved mine plan. The regulations of danger zone (500 meters) prescribed by Directorate General of Mines safety shall also be complied compulsorily and necessary measures should be taken to minimize the impact on environment.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded along with annual record of water consumed in sprinkling during Summer (February to May/June) and winter session (October to January) separately.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 04 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Working height of the loading machines shall be compatible with bench configuration.
9. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
10. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
11. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
12. Six monthly occupational health surveys of workers for Cardio-vascular & Pulmonary health, vital parameters as prescribed by concerned regulatory authority shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
13. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
14. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
15. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.

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19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
24. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
25. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
29. A display board (in hindi) with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.) with latitude and longitude.
 - c. Length, breadth, sanctioned depth of mine and mining time.
 - d. Sanctioned Production capacity of the project as per EC and Consent of MPPCB.
 - e. Method of mining (Mannual/Semi Mechanised) and Blasting or Non-blasting.
 - f. Plantation and CER activities.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
31. Entire plantation proposed in barrier zone of lease area shall be carried out as per submitted plantation scheme and along the fencing seed sowing of Neem, Babool, Safed Castor etc shall also be carried out.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland

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and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.

34. Before onset of monsoon season as per submitted plantation scheme fruit bearing species preferably of fodder / native shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
 35. Adequate provisions of water for irrigating plantation shall be made by PP.
 36. Activities proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.
 37. **लीज क्षेत्र के अंदर में केवल केशर / एम-सेंड प्लांट स्थित है, परियोजना प्रस्तावत निम्न शर्तों का पालन करेगा।**
 - खनन क्षेत्र में प्रस्तावित माईन आधारित केशर प्लान्ट/एम.सेड प्लांट हेतु म.प्र. प्रदूषण नियंत्रण बोर्ड से नियमानुसार स्थापना एवं संचालन सम्मति प्राप्त करना होगी।
 - म.प्र. प्रदूषण नियंत्रण बोर्ड की दिशा निर्देशों के अनुसार प्रस्तावित केशर प्लान्ट/एम.सेड प्लांट में स्लरी प्रबंधन तथा वायु प्रदूषणरोधी उपकरणों की स्थापना सुनिश्चित की जावेगी।
 38. **केशर अथवा एम सेंड प्लांट प्रस्तावित नहीं है ,परियोजना प्रस्तावत निम्न शर्तों का पालन करेगा।**
 - परियोजना प्रस्तावक के अनुसार लीज क्षेत्र में केशर प्लान्ट/ एम.सेड प्लांट प्रस्तावित नहीं है, अतः लीज क्षेत्र में केशर प्लान्ट/एम.सेड प्लांट स्थापित करने की अनुमति नहीं दी जा सकेगी।
 - खनन क्षेत्र से बाहर प्रस्तावित माईन आधारित केशर प्लान्ट/एम.सेड प्लांट हेतु म.प्र. प्रदूषण नियंत्रण बोर्ड से नियमानुसार स्थापना एवं संचालन सम्मति प्राप्त करना होगी।
 - म.प्र. प्रदूषण नियंत्रण बोर्ड की दिशा निर्देशों के अनुसार प्रस्तावित केशर प्लान्ट/एम.सेड प्लांट में स्लरी प्रबंधन तथा वायु प्रदूषणरोधी उपकरणों की स्थापना सुनिश्चित की जावेगी।
 39. **यदि आवंटित खनन पट्टा भू-स्वामी की सहमति /अनुबंध पर हो तो परियोजना प्रस्तावत निम्न शर्तों का पालन सुनिश्चित करेगा।**
1. **क्षतिपूर्ति के संबंध में:-**
 - म.प्र. भू राजस्व संहिता 1959 की धारा 247 (5) के तहत संबंधित जिला कलेक्टर द्वारा भूमि स्वामियों की क्षतिपूर्ति के निर्धारण हेतु किये गये प्रावधानों/उपबंधों का पालन भूमि स्वामियों को समक्ष में सुनकर भूमि के सतह अधिकार के संबंध में क्षतिपूर्ति का निर्धारण सुनिश्चित किया जाये।
 - म.प्र. गौण खनिज नियम, 1996 के नियम 9 (क) एवं नियम,06(क) के प्रावधान अंतर्गत कण्डिका 04 में किये गये प्रावधानों के अनुरूप सहमति धारक को उत्खनन पट्टा स्वीकृत होने पर, देय रॉयल्टी के 15 प्रतिशत के समतुल्य रकम का सहमति धारक को भुगतान सुनिश्चित किया जाये। उपरोक्त शर्तों का पालन भू-प्रवेश अनुमति के पूर्व सुनिश्चित किया जावे।

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.

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4. Only registered vehicles/tractor trolleys with GPS which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on upstream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4th or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain such audits be placed on public domain through website developed for public interface along with photographs of work done w.r.t. EMP as well as CER.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights. All these facilities such as rest shelters, site office etc. Shall be removed from site after the expiry of the lease period.
18. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020 and these details should be provided in Annual Environmental Statement.
19. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

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26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
28. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
29. A display board with following details of the project is mandatory at the entry to the mine.
 - g. Lease owner's Name, Contact details etc.
 - h. Mining Lease area of the project (in ha.) with latitude and longitude.
 - i. Length, breadth and sanctioned depth of mine.
 - j. Minable Potential of sand mine.
 - k. Sanctioned Production capacity of the project as per EC and Consent of MPPCB.
 - l. Method of mining (Manual/Semi Mechanised)
30. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
 - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
 - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
 - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
 - iv. The sand quarrying shall not be carried out below the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
 - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
 - vi. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
 - vii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
 - viii. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.
31. Species such as Khus Slips and Nagar Motha shall be planted on the river banks for bank stabilization and to check soil erosion while on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and casualty replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government

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Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.

35. Adequate provisions of water for irrigating plantation shall be made by PP.
36. Activities proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.
37. As per Enforcement and Monitoring Guidelines for Sand Mining 2020 , Page no. 24 Para (r) minimum 7.5 meters (inward) "from the river.....bank" shall be restricted should be followed in verbatim as the para says.
38. विगत वर्षों में जारी पूर्व पर्यावरण स्वीकृति में एवं वर्तमान में जारी पर्यावरण स्वीकृति में उल्लेखित समस्त शर्तों का पालन मध्यप्रदेश स्टेट माईनिंग कॉर्पोरेशन द्वारा सुनिश्चित किया जावेगा।
39. पूर्व एवं वर्तमान ई.सी. शर्तों का पालन प्रतिवेदन निर्धारित समयावधि में एम.ओ.ई.एफ. एण्ड सी.सी. तथा एम.पी. सिया, के समक्ष प्रस्तुत किया जायेगा।