



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

To,

The Director
CITADEL ISWM PROJECT SINGRAULI PRIVATE LIMITED
Banglow no. 36, Shali,ar Township, AB Road ,Indore -452010

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

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MP/MIS/68652/2020 dated 23 Oct 2021. The particulars of the environmental clearance granted to the project are as below.

1. **EC Identification No.** EC22B037MP172783
2. **File No.** 7708/2020
3. **Project Type** New
4. **Category** B1
5. **Project/Activity including Schedule No.** 7(i) Common Municipal Solid Waste Management Facility (CMSWMF)
6. **Name of Project** Integrated solid Waste Management (ISWM) Project for processing of 188TPD Integrated Solid Waste Comprises of Composting Plant and Secure Land filling Facility
7. **Name of Company/Organization** CITADEL ISWM PROJECT SINGRAULI PRIVATE LIMITED
8. **Location of Project** Madhya Pradesh
9. **TOR Date** 03 Feb 2021

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

Date: 12/01/2022

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

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

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PARIVESH

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Ref: Proposal No. SIA/MP/MIS/68652/2020, Case No. – 7708/2020 Prior Environment Clearance for Proposed Integrated Solid Waste Management Project for composting and Land filling (Common Municipal Solid Waste Treatment Facility) at village Ganiyari Khasra no. 1159,1163 and Bharkur Khasra No. 755, Tehsil & Dist- Singrauli, MP Total Area: 20Acre Bharkur + 6 Acre Ganiyari Production Capacity : 188 TPD comprises of composting Plant and secure Landfill Facility by Director CITADEL ISWM PROJECT SINGRAULI PRIVATE LIMITED 113, Diamond Trade Center, 3-3 Diamond Colony, Palasia, Indore(MP)-452010 Email: citadeldocs@gmail.com Ph- 07423-227867 Mob : 9479884179 Env. Consultant : M/s. Creative Enviro Services, Bhopal.

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

- i. This is case of Prior Environment Clearance for Integrated Solid Waste Management (ISWM) Project for processing of 188 TPD Integrated Solid Waste Comprises of Composing Plant and Secure Land Filling facility at Village - Ganiyari and Bharkur, Tehsil & Dist. Singrauli (MP).
- ii. The proposed Integrated SWM Facility will be established in Ganiyari, Singrauli (google map coordinates: 24°02'47.77"N, 82°37'64"E) over an area of 6 Acre is available for ISWM facility and 20 acres bank land located in Bhurkur village is proposed for Sanitary Landfill, Singrauli town (google map coordinates: 23°57'26.17"N, 82°30'29.84"E).
- iii. This project is designed for Singrauli Municipal Corporation only because no other ULB is in the vicinity of Singrauli, nearest being Sidhi which has been included in Rewa cluster. This project will cater the needs of 3 areas covered by Nagar Palik Nigam Singrauli namely Morwa, Navjeevan Vihar and Waidhan.
- iv. The Singrauli Municipal Corporation was formed after merging Vindhya Nagar, Morwa, Amlori Colliery, Jayant Nagar and Waidhan town. The city of Singrauli has a total of 280.66 sq.km area divided into 45 administrative wards for administration purposes.
- v. The population was 2,20,257 in 2011 as per Census. The city of Singrauli has a total of 280.66 Sq. Km. area divided into 45 administrative wards for administration purposes and the projected population for 2019 is 287578.
- vi. The project is covered under 7(i) category B of the EIA Notification issued by the Ministry of Environment & Forest vide S.O.1533 (E), dated September 14, 2006 and its amendments.
- vii. There is no National park / Sanctuaries, (DFO letter dtd18.06.2015). critically polluted areas and inter-State boundaries (Tehsildar letter dtd. 13.11.19) within 10 km of the proposed site, hence, general conditions are not attracted as per EIA Notification 2006 & its amendments.
- viii. ToR was recommended 472nd SEAC dated 06/01/2021 EC recommended in 527th SEAC meeting dtd. 12.11.21 with specific & standard conditions.
- ix. Regarding land documents PP has submitted Collector order dtd. 29.06.2019. As per the order the said land has been allocated to Municipal Corporation, Singrauli for development of Solid Waste Management trenching ground. PP has also submitted an agreement dtd. 23.09.2019 executed between Chief Municipal Officer, Nagar Palik

Nigam Singrauli and Citadel ISWM Project Singrauli Private Ltd for development of project.

- x. PP has proposed to establish the IMSW facility for 188 TPD comprises of Sanitary Landfill and Compost Plant. The landfill facility for ISWM Project will be established in a land of about 20 acres located in Bhurkur village, Singrauli whereas composting plant shall be established over 6 acres of area located at Ganiyari Singrauli (MP).
- xi. **Salient Feature of the project (Bhurkur Site)**

Site Address	Village – Bhurkur, Khasra no. 755
Proposed project	The processing of waste will generate some amount of inert waste (Max 20%) which will have to land filled which is called disposal of inert waste. The landfill is designed to keep inert waste for 10 years. Adequate leachate sump shall be provided. The final leftover or the rejects which have no further use or value should be transferred to the landfill site. Approx 127 x 120 square meter size land fill is proposed at village Bhurkur to keep inert waste.
Area	20 Acre
Project capacity	91208 Cubic Meter Capacity of landfill
Geographic Location	Latitude 23.958714, Longitude 82.508865
Operation days	365 days
Nearest National/ state Highway	Parsauna- Mada Road – 2.00km - W
Nearest Railway Station	Shakti Nagar railway Station -27.00 km
Nearest Airport	Sidhi air strip -141 km
Reserved / Protected Forest within 10km radius	Mohanban RF - 4.50km - SW
Nearest major city with 100000 population within 10km radius	None
Nearest Town / City within 10km radius	None
Nearest Village	Habitation - 0.150 km -E Bhukur - 1.25km - NNE
Nearest River	Rampa River- 3.00 km - NW Sukhra N – 2.25km- NW Mayar River-1.75 km- E Garra R – 8.00km -ENE
Nearest Nalla/water reservoir	Seasonal Gullies Water Reservoir – 0.75km- NW Water Reservoir – 1.50km- E Laua Nalla – 4.75km – N Water Reservoir – 6.75km- E
Nearest Hill Ranges	Parbatwa Pahar – 9.00km – NW
Green Belt	28000 sq mtr
Man-power	25
Total project cost Rs.	900.29 Lacs
Land acquired	20 Acre
Land required for proposed landfill	120 X 127 Meter (size of landfill)
Proposed area for plantation	28000 Sq mtrs
Capital Cost for Environmental measures (proposed)	159 Lacs (common)

Budget for social development programme	106 Lacs (common)
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xii. **Salient Feature of the project (Ganiyari Site)**

Site Address	ISWM Plant, Khasra No. 1159/2, 1163/2 Ganiyari Beezpur Road, Ward 41, Waidhan, Dist- Singrauli 486886
Proposed project	Compost unit under Integrated Solid Waste Management Plant, at Ganiyari
Area	6 Acre
Project capacity	150 TPD
Geographic Location	Lat N 24° 2'53.1069" Long E 82° 37'1.63"
Operation days	365
Nearest National/ state Highway	Bijpur Road – 0.025km - E
Nearest Railway Station	Shakti Nagar railway Station -9.00 km
Nearest Airport	Sidhi air strip -86.00 km
Reserved / Protected Forest within 10km radius	Merhaul PF – 8.00km - N
Nearest Town / City within 10km radius	Waidhan
Nearest Habitation	Habitation – 80m- NW
Nearest River	Govind Baliabha Pant Sagar Dam- 1.75km- SSW Matwani N- 5.75 km - NE Dhoti N – 5.75km- NE Mayar River-2.00 km- SSW Garra R – 4.50km - S Kanchan N – 1.00km –W Baliya N – 9.25km- NE Gabaia R – 7.25km- SES
Nearest Nalla/water reservoir	Seasonal Gullies Water Reservoir – 9.00km- S
Nearest Hill Ranges	None
Industry with 10km radius	Power plants
Man-power	25
Total project cost Rs.	3077.51 lacs
Land required for proposed compost plant	6 Acre
Proposed area for plantation	4000 Sq mtrs
Capital Cost for Environmental measures (proposed)	159 Lacs (common)
Recurring cost for Environmental measures (proposed)	18 Lacs (common)
Budget for social development programme	106 Lacs (common)

- xiii. Public Hearing for the proposed project was conducted on 10th August 2021 at Middle School Gram Panchayat Bharkur Tehsil- Mada, District- Singrauli, Madhya Pradesh under the Chairmanship of Add. Collector, Singrauli. Some issues regarding, establishment of landfill site near to habitation, impact on human health and agriculture, employment to local villagers, proper treatment to the waste water, and fear of pollution emanating from the establishment of the project were raised during the Public Hearing which were addressed by PP.

- xiv. The main activities from the proposed project which cause air pollution are as follows:
- Gaseous emission from Landfill site.
 - DG set stack emissions. Adequate stack height of 15mt shall be provided for the DG set to keep the air pollutants well within the prescribed limits;
 - The emissions from the DG sets are minimal since they will be operated only during power failures. All the vehicles will be regularly serviced and maintained properly to minimize emissions.
 - During landfill operations, part of the sanitary landfill will be daily covered with soil/ash and during rainy period with temporary cover (HDPE/Plastic sheets) to minimize the odor and gases generation.
 - Internal roads will be concreted / asphalted to reduce dust emissions Provision of water spraying arrangement at raw material storage yard
 - Developing of Greenbelt (5-m wide) all around the plant to arrest the fugitive emissions;
 - Idle running of vehicles shall not be allowed. Provision of periodical check of vehicles for pollutant emissions.
- xv. All possible measures shall be adopted for odor control to avoid inconvenience to the neighborhood(s). An odour control system shall be set up over the compost sheds, which will comprise of ventilation ducts and exhaust fans. Air ventilation system shall be provided comprising of hoods, ducts, grille for air inlet, centrifugal blower and windows / openings for air intake from the odour generating areas within the facility.
- xvi. Gas Management- Landfill gas is generated as a product of waste biodegradation. In landfill, organic waste is broken down by enzymes produced by bacteria in a manner.
- Considerable heat is generated by these reactions with methane, carbon dioxide, nitrogen, oxygen, hydrogen sulfide and other gases as by products.
 - Methane and carbon dioxide are the principle gases produced with almost 50-50% share. When methane is present in the air in concentrations between 5 to 15%, it is explosive. Landfills generate gases with a pressure sufficient enough to damage the final cover and largely have the impact on vegetative cover. Also because only limited amount of oxygen are present in a land fill, when methane concentration reach this critical level, there is a little danger that the land fill will explode. To manage the gas generated a venting system with flaring arrangement is proposed.
- xvii. The water requirement for the proposed project is estimated to be about 15 KLD. It is expected that Singrauli Municipal Corporation would supply water to this facility. Otherwise, water requirement would be met through Bore well/tankers.
- xviii. The total waste generated in the city is estimated 115.03 TPD (approximately 115 TPD) (in accordance to present population) and per capita waste generation as per CPHEEO manual is 400 GPCD which will be increased to 188 TPD in next 20 years. It is estimated that about 4 KLD of domestic wastewater will be generated for which septic tank and soak pit may be provided.
- xix. The power requirement is estimated to be about 10+ 250 KVA which will be fulfilled by MPTRANSCO and DG Sets of 125 KVA are proposed for power backup.
- xx. There will not be any wastewater discharge outside the premises. Adequate measures are proposed to be taken up for leachate management. Since, the plant is designed with a closed windrow and best practices will be followed during landfill operation, minimum quantity of leachate will be generated which either will be circulated to landfill, sprayed on landfill for dust control, use to keep the windrows moist.

- xxi. The run-off rain water from the hinterland does not enter the Municipal Solid Waste storage and processing area; There is no stagnation of rain water in the Site. Storm Water from surrounding high lying areas does not enter in to the site premises.
- xxii. **Fire and Safety Equipment:** All facilities would be provided with adequate arrangements for fire and safety equipment.
- xxiii. After closure of the landfill, PP has proposed as follows:-
- The integrity of the final cover will be maintained, if any repairs required it will be rectified as necessary.
 - After closure of the landfill, shall continue Leachate, gas and surface water management as well as environmental monitoring of the landfill for a period of 30 years or until harmful leachate is not produced for 5 continuous years
 - After few years of closure, the leachate is observed to meet all discharge standards, the same shall be discharged directly to lined drains The landfill shall be abandoned after 30 years of closure if concentrations of contaminants in all liquid and gaseous emissions from the landfill are observed to be below prescribed limits.
- xxiv. PP has proposed 36000 Sq mt area will be developed as green belt by planting 10,000 nos of trees with species of Neem, Karanj, Gobar champa, Mango, Anjan, , Khamer Putran Jeeva, Bargad, Mofeshree, Amaltash, Arjun, Achar, Ficus, Satparni, Sita Ashoka Tree etc.
- xxv. Under CER activity Budget of Rs. 116.00 Lakhs are proposed for following social development activities and based on need base survey and Public Hearing Issues :

	Activities	Budget In Lacs (Rs)
1.	Provision of Health Infrastructure	<ul style="list-style-type: none"> • 02 yearly camps at Ganiyari and Bhukur each • 10 wheel Chair at PMC of Ganiyari and Bhukur (05 at each place) • Construction of hall with furniture facility at PMC of Ganiyari and Bhukur each • 10 Fans, 1 Toilets for man and women each PMC of Ganiyari and Bhukur Indicative Budget : 40
2	Infrastructure facility	Construction of one room (10feet X 15feet) with essential facility e.g. Laboratory, Library, Computer class, Toilets, Drinking Water at nearby primary school at Kotalde (1.50lakh) at Bhukur and Ganiyari each Indicative Budget : 20
3	Distribution of High yield seed	Distribution of high yield seeds and Plants to farmers of Ganiyari (50 number) and Bhukur (50 number) Indicative Budget : 20
3.	Greenery Development Nearby Area -	Free distribution of Saplings or seedlings for fruit or non-fruit bearing trees. Community Plantation drive in surrounding villages (100 number in each village) etc. at Ganiyari Bhurkur, Naveean vihar, Morwa Indicative Budget : 20
9.	Adoption of Tiger at Sanjay Gandhi National Park	Contribution of fund at Director , Sanjay Gandhi National Park towards adoption of one Tiger Contribution of fund towards conservation plan for Manda Caves Indicative Budget : 16
Grant Total		116

- xxvi. Total Project Cost of the project is 3077.51 lacs.

Based on the information submitted at Para i to xxvi above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 696 meeting held on 10.12.2021 and decided to accept the recommendations of 527th SEAC meeting held on dated 12.11.2021.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA Notification dtd. 14th September 2006 & its amendments to the proposed Integrated Solid Waste Management Project for composting and Land filling (Common Municipal Solid Waste Treatment Facility) at village Ganiyari Khasra no. 1159,1163 and Bharkur Khasra No. 755, Tehsil & Dist- Singrauli, MP Total Area: 20Acre Bharkur + 6 Acre Ganiyari Production Capacity : 188 TPD comprises of composting Plant and secure Landfill Facility by Director CITADEL ISWM PROJECT SINGRAULI PRIVATE LIMITED 113, Diamond Trade Center, 3-3 Diamond Colony, Palasia, Indore, MP - 452010 subject to the compliance of the Standard Conditions and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA

1. The fresh water supply arrangement and NOC from competent authority should be obtained before the execution of the project.
2. PP should ensure periodic odour monitoring in and around the site, and adopt ecosorb spray to minimize the odour nuisance.
3. Proper road network with concrete road and parking facility should be provided for employees and vehicles being used for collection & disposal of MSW.
4. Waste segregation technology should be explored on the project site.
5. Zero discharge should be maintained regularly.
6. If Bio medical/hazardous waste is found mixed with MSW, then it should be disposed as per Hazardous/Bio Medical Waste Management Rules.
7. No Burning of waste shall be allowed at the MSW site.
8. PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures, and other energy efficient plant machineries and equipments.
9. PP should ensure harnessing of roof water through recharging pits.
10. PP should establish a lab to monitor air emissions, spot noise level recording, gas quality for landfill area, stack emissions, waste discharge, ground water quality, soil quality etc.
11. A display board should be installed at the entrance gate of the MSW site to provide daily information of the quantity of MSW received during the day and lab analysis report on air, water, noise and odour.
12. PP should ensure to develop 36000 Sq mt area as green belt by planting 10,000 nos of trees with species of Neem, Karanj, Gobar champa, Mango, Anjan, , Khamer Putran Jeeva, Bargad, Moleshree, Amaltash, Arjun, Achar, Ficus, Satparni, Sita Ashoka Tree etc.
13. Green area including thick green-belt shall be developed to mitigate the effect of fugitive emissions all around the project area in consultation with the forest department.
14. Under CER activities PP has proposed budgetary provision of Rs. 116 lakh upto, the details of activities under CER should be finalized in consultation with the District Administration.

15. PP should obtain NOC /approval from competent authority for health & safety measure, Onsite & Offsite disaster management, and Risk management plan before commencing the operation of the unit.
16. PP should obtain fire NOC from the competent authority before commencing the operation of the unit.
17. PP should ensure to submit half yearly compliance report with photographs of plantation in MP-SEIAA. If PP is failed to upload or submit two consecutive half yearly compliance reports of EC conditions to concerned authority (SEIAA and Regional Office, MoEF& CC, GoI, Bhopal) than prior environmental clearance issued to PP will automatically be treated as cancelled/ revoked as per OM No. 930/SEIAA/2019 dated 30.05.2019 issued by MPSEIAA.

B. Specific Conditions as recommended by SEAC

(A) PRE-CONSTRUCTION PHASE

18. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
19. For dust suppression, regular sprinkling of water should be undertaken.
20. The entire area should be covered with 03 meters MS sheets and due care should be taken for noise and vibration control during construction work.
21. PP will obtain other necessary clearances/NOC from respective authorities.
22. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

(B) CONSTRUCTION PHASE

23. PPE's such as helmet, ear muffs etc should be provide to the workers.
24. Fire extinguishers should be provided on site during construction period.
25. Black carpet road should be provided to reduce dust suppression.
26. All vehicles carrying raw material should be covered with tarpaulin and unloading/loading activities should be stopped during windy period.
27. During construction phase, a settling tank should be provided and settled water should be reused for construction purpose.
28. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
29. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
30. The landfill facility shall be developed as per the proposal submitted by PP with 1.5 mm thick HDPE liners, Geo-textile media, Drainage media, Gas evacuation system and leachate collection system. Sanitary landfill and all other facilities shall be installed/developed as per the CPCB guidelines.
31. 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 ever green nature. As proposed in the landscape plan & EMP 36000 Sq mt area will be developed as green belt. Where 10,000 nos of tree plantation are proposed as per plantation scheme. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
32. CFL/LED should be preferred over of tube lights. PP should explore the possibility of providing solar street light.

33. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
34. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

35. Fresh water requirement for the project shall not exceed 15000 liter.
36. Land use breakup details as proposed by PP for this facility are as follows:

Land use Break-Up for proposed unit- Composting Plant – Ganiyari Site	
Particulars	Area (Sq. Mtr.)
Proposed Facility	MSW Processing Plant
Address	Ganiyari
Plant and Machineries	2454
Office and administration	306
Waste storage area	3144
Fuel storage area	100
Road	464
Green belt area	8000
Sub Total	14468 (3.57 acres)
Open Land	2.43 Acre
Total Land	6 Acre

Land use Break-Up for proposed unit- Land fill Site	
Particulars	Area (Sq. ft./SQm)
Proposed Facility	Sanitary Landfill
Address	Village Bhurkur, Khasra no. 755
Office and administration	200 /18.5806
Waste storage area	57300 area of landfill /5323.3442
Road	6000 /557.4182
Green belt area	280000/28000
Sub Total	1,63,600 /15189.647
Open Land	7,07,700/65747.4812
Total Land	8,71,200 /80937.1284

37. As proposed, the sewage shall be treated through soak pit and septic tanks system.
38. The PP will establish the adequate leachate treatment facilities to achieve the M.P. Pollution Control Board (MPPCB) zero discharge norms. As proposed, no effluent/leachate from the facility shall be discharged outside the premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
39. Treated leachate shall be sprayed on landfill for dust control, keep the windrows dry and excess leachates shall be utilized in spray drier. Regular leachate quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be submitted to the MPPCB.
40. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. The ground water quality monitoring shall be monitored as per the MPPCB norms. Sampling and trend analysis monitoring must be

made on monthly basis and report submitted to the Ministry's Regional Office at Bhopal and MPPCB.

41. Spraying of "Ecosorb" should be performed on regular intervals to avoid any odour nuisance.
42. Magnetic flow meters shall be provided at the inlet/outlet of water supply point and records for the same shall be maintained and submitted to MPPCB regularly.
43. The PP should comply with the provisions made in Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016.
44. Dedicated parking facility for unloading of materials/wastes shall be provided in the facility premises. PP shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
45. No hazardous and biomedical waste should be disposed off in this facility.
46. As proposed, 36000 Sq mt area will be developed as green belt where 10,000 nos of tree plantation are proposed in the project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area and along road sides etc. Selection of plant species shall be as per the CPCB guidelines and in consultation with the DFO.
47. All the commitments made in the Public Hearing shall be implemented by PP.
48. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
49. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

(D) ENTIRE LIFE OF THE PROJECT

50. The proposed EMP cost is Rs. 159.00 Lakhs and Rs. 18.00 Lakhs /year are proposed as recurring expenses out of which Rs. 12.00 Lakhs is proposed for green belt development and Rs. 1.80 Lakhs /year for recurring expenses for plantation in the proposed EMP of this project.
51. Under CSR activity Budget of Rs. 106.00 Lakhs are proposed for following social development activities and based on need base survey and Public Hearing Issues :

S.No.	Activities	Budget In Lacs (Rs)
1.	Provision of Health Infrastructure	<ul style="list-style-type: none"> • 02 yearly camps at Ganiyari and Bhukur each • 10 wheel Chair at PMC of Ganiyari and Bhukur (05 at each place) • Construction of hall with furniture facility at PMC of Ganiyari and Bhukur each • 10 Fans, 1 Toilets for man and women each PMC of Ganiyari and Bhukur Indicative Budget : 40
2	Infrastructure facility	Construction of one room (10feet X 15feet) with essential facility e.g. Laboratory, Library, Computer class, Toilets, Drinking Water at nearby primary school at Kotalde (1.50lakh) at Bhukur and Ganiyari each Indicative Budget : 20
3	Distribution of High yield seed	Distribution of high yield seeds and Plants to farmers of Ganityari (50 number) and Bhukur (50 number) Indicative Budget : 20
3.	Greenery Development Nearby Area -	Free distribution of Saplings or seedlings for fruit or non-fruit bearing trees. Community Plantation drive in surrounding villages (100 number in each village) etc. at Ganiyari Bhurkur, Naveean vihar, Morwa Indicative Budget : 20
9.	Adoption of Tiger at Sanjay Gandhi National Park	Contribution of fund at Director , Sanjay Gandhi National Park towards adoption of one Tiger Contribution of fund towards conservation plan for Manda Caves Indicative Budget : 16
Grant Total		106

52. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
53. Regular monitoring of Air, Noise, Waste Water, Solid Waste/Hazardous Waste, Ground Water and Soil etc. shall be carried out as per the norms prescribed by the M. P. Pollution Control Board.
54. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored 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.
55. The environmental policy with Environmental Management Cell should be prepared with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
56. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
57. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
58. In case of power failure, stand- by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the facility shall be installed, so that the facility shall always be operated round the clock even in case of power failure.
59. For avoiding vehicle congestion /traffic jam within facility premises or outside road proper turning and parking space be provided. Also all internal roads shall be made pucca/bituminous top to avoid fugitive emissions.
60. The overall noise level in and around the facility area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
61. Pucca flooring / impervious layer shall be provided in the work areas, chemical/waste oil storage areas and chemical handling areas to minimize soil contamination.
62. Good housekeeping shall be maintained within the facility premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
63. Peripheral plantation of 10 meter all around the project boundary shall be carried out using evergreen tree species of large canopy. Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings.
64. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016 etc.


65. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
66. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

Standard Conditions:

1. Necessary provision shall be made for firefighting facilities within the complex. The Project Proponent should carryout periodical air quality monitoring in and around the site including VOC, HC.
2. The proponent should obtained necessary clearance from the Central Ground Water board Authority if requird.
3. Project proponent should carryout periodical ground water/soil monitoring in and around the site to check the contamination including TCLP test for heavy metals.
4. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.
5. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, Gol, and its Regional Office, Bhopal.
6. The Regional Office, MoEF, Gol, Bhopal & MPPCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, and Environmental Monitoring Plan as approved by SEAC should be submitted to Regional Office, MoEF, Gol, Bhopal & MPPCB within six months.
7. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, Gol, Bhopal, MP PCB within six months.
8. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies (Panchayat and Municipal Bodies), District Collector and DFO as applicable and responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
9. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF& CC Gol, Bhopal.
10. The Project Proponent has to upload only soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1st June and 1st December of each calendar year on MoEF & CC web portal - <http://www.environmentclearance.nic.in/> or <http://www.efclearance.nic.in/>.
11. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria of pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical

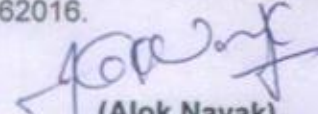
sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

12. Full Cooperation should be extended to the Officers and staff from the Ministry and its Regional Office at Bhopal / the CPCB / the SPCB during monitoring of the project.
13. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
14. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
15. The Environmental Clearance shall be valid for a period of seven years from the date of issue EC as per EIA Notification, 2006 Para 9.
16. Any appeal against this prior environmental clearance shall lie with the National Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
17. The above conditions will 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 and the Public Liability Insurance Act, 1991 along with amendments and rules.
18. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.
19. The project authorities 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 and the date of start of the project.


(Shriman Shukla)
Member Secretary

Copy to:-

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


(Alok Nayak)
Officer-in-Charge