

The 461st meeting of the State Expert Appraisal Committee (SEAC) was held on 29th September, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.
6. Dr. Rubina Chaudhary, Member.
7. Shri A.A. Mishra, Secretary.

The Chairman welcomed all the members of the Committee and thereafter agenda items were taken up for deliberations.

1. Case No. – 6576/2019 M/s Pacific Industries Ltd, Village - Chilpi, Tehsil & Dist. Anuppur, MP. Prior Environment Clearance for Granite Deposit in an area of 3.816 ha. (7,500 cum per annum) (Khasra No. 2610), Village - Chilpa, Tehsil - Anuppur, Dist. Anuppur (MP).

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2610), Village - Chilpa, Tehsil - Anuppur, Dist. Anuppur (MP) 3.816 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's Office letter No.77 dated: 21/01/2019 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine total area of 30.584 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 403st SEAC meeting dated 06/11/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 10/9/20 which was forwarded through SEIAA vide letter no. 3080 dated 18/09/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated that the they the project has been proposed for the Mining of Granite stone from the Government Land by

open cast manual extraction and mechanized method. Mining will be confined to the allotted lease area which lies on the Govt Barren waste land from which approximately 7,500 cum of Granite stone will be excavated per annum. Total ROM production will be 1,70,000 cum per annum inclusive of salable waste of 1,125,00 cum/annum.

PP stated about regional geology of the area as this area is covered with intruded basic rocks i.e. Dolerite. The lower Gondwana rocks have been intruded by the dykes of Dolerite in the area. The Dolerite below soil cover is subjected to weathering then dolerite continues from 4-50 meters depth. The textures is medium to fine grained and color is black to greenish black. Following litho sequence is established in the area: Lateritic soil < Dolerite dyke<Base not known.

The mining lease has been granted in favour of M/s Pacific Industries over an area of 3.816 Ha with Khasra No. 2610P situated in Village Chilpa Tehsil &, District Annupur, M.P. Mining will be carried out on the basis of govt. consent order for mining operations for 30 years. A total mineable reserve as per the mining plan is 223440 m³ cum & with maximum of production of granite mineral 7500 cum per annum annum along with of salable waste of 112500 cum/annum.

PP further stated that the proposed project is an opencast and fully mechanized mining project, where mining of Granite will be done through wire saw and gali toda method . Methods of mining will be open cast, and mechanized. Mining will be confined to the allotted lease area which lies on the govt Barren waste land from which approximately granite mineral 7500 cum per annum annum along with of salable waste of 112500 cum/annum will be excavated.

During presentation PP stated that about 20 trees are proposed for felling for which they are proposing total 9,200 trees including 200 trees as compensatory plantation. 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 Chilpa Granite Deposit Mine (3.816 Ha), ((7500 m³/Year of Granite, 50000m³/ year of Soil & 112500 m³ of mine Waste m³/year)) (Khasra -2610P) At Village – Chilpa , Tehsil-& Dist.- Anuppur (Mp), subject to the 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. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.
20. 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 9200 trees shall be planted on barrier zone, backfilled area, along the transportation route and in village also.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.

24. 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. The size of the drain will be 430 M X 1M X 1M, 240M X 1M X 1M, 452 M X 1M X 1M,. The settling tank will be 02 in number of size 0.1446x 6mD and 0.1875 ha x 6mD.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

Items	Existing	Conceptual period
Total lease area	3.816 ha	
Ultimate depth of mining	Nil	28m bgl (505 m MSL)
Ultimate pit slope	45 degree	45 degree
Area under dumps	Nil	Nil
Area under pits	Nil	3.00 ha
Infrastructure & Road	Nil	Nil
Mineral storage	Nil	Nil
Plantation	Nil	0.75 ha
Un-worked area	3.816ha	0.066ha
Total area	3.816ha	3.816ha
Water body	Nil	1.25 ha
Backfilling area	Nil	1.75ha
Plantation		
Un-worked area	Nil	0.75ha (1500no.)
Backfilled area	Nil	1.75ha (3500no.)
Total	Nil	2.50ha (5000no.)

28. 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.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 39.04 1Lakh is proposed and Rs.14.42 Lakh /year as recurring expenses.
34. Under CSR activity, total Rs. 15.0 Lakh (6.0 Lakh in the CER & 9.0 Lakh in public hearing) are proposed in different activities and should be implemented through respective committees.
35. 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.
36. 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.

2. Case No. – 7675/2020 M/s A.P.Trivedi Sons, Manganese Mines Owner, Main Road, Dist. Balaghat, MP – 481001 Prior Environment Clearance for Capacity Expansion of Manganese Quarry in an area of 43.086 ha. (62000 to 90868 tonne per annum) (Khasra No. 129, 143,145, 147/2, 146/1-2, 147/1-3-4, 148, 152, 153,387, 381, 382, 384, 385, 386, 388/1, 389/1, 390, 391,392, 393, 394,395,396,397,398,399,402,403,405 & 406,407, 409, 410, 413, 414, 418, 411,412,417, 415/1, 415/2, 415/3,416/3, 419/1,420, 421,422,423,424,425,426, 427,428), Village - Ramrama Tehsil - Waraseoni, Dist. Balaghat, (MP)

This is a case of Expansion of Manganese Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 129, 143,145, 147/2, 146/1-2, 147/1-3-4, 148, 152, 153,387, 381, 382, 384, 385, 386, 388/1, 389/1, 390, 391,392, 393, 394,395,396,397,398,399,402,403,405 & 406,407, 409, 410, 413, 414, 418, 411,412,417, 415/1, 415/2, 415/3,416/3, 419/1,420, 421,422,423,424,425,426, 427,428), Village - Ramrama

Tehsil - Waraseoni, Dist. Balaghat, (MP) 43.086 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant to obtain TOR for capacity expansion of 62,000 to 90,868 tonne per annum PP submitted that it's an expansion of Opencast & Underground Manganese ore mine (43.086ha) with crusher.

The Salient Features of the Project:

Particulars	Details
Type of Mine	Opencast & underground
Mining Lease Area	43.086 ha
Existing Pits & Quarries	11.00 ha
Existing Dumps	13.4111 ha
Infrastructure and road	1.628 ha
Mineral Storage	0.24 ha
Plantation	14.30 ha
Water body	2.50ha
Existing backfilled area	3.405ha
Mineable Reserve	703736 T
Existing depth of mining	36m bgl (300m MSL (Opencast) Upto 272m MSL (Underground)
Ultimate depth of mining	53m bgl (282m MSL (Opencast) Upto 240m MSL (Underground)
Method of mining	Opencast and Underground
Ultimate Pit Slope	45o
Present capacity of mines	62000 tonnes per annum
Proposed Capacity of Mine	90868 tonnes per annum
Expected Life of Mines	9 years
Lease Period	50 year upto 2032
Thickness of soil/OB	
Minimum	2.0 m
Maximum	5.0 m
Stripping Ratio	1:1.10 to 1:7.75

Existing mode to transportation of Manganese ore	Road
Production per day (MT)	303 TPD
Dumper per day with capacity	13trip & 24MT
Area to be covered under dumps at the end of conceptual period	6.76 ha
Area covered under pit	11.75 ha
Area to be reclaimed by lease period end	8.965 ha
Area to be covered under plantation by lease period end	26.3855 ha
Area to be covered under water reservoir by lease period end	1.50 ha
Average MSL	342-336m MSL
Ground water table	
Monsoon period	31m bgl (305m MSL)
Dry month	26m bgl (310m MSL)

Geo Technical Detail of the Mining Porject:

Summarised of geological reserves and mineable reserves	
Particulate	Details
Earlier mining scheme	
Geological reserve under G-1 category – 331 Category for Q-III (85% recovery) (underground development)	846033T
Geological reserve under G-1 category – 331 Category for Q-II (85% recovery) (opencast)	144445T
Total Geological reserve under G-1 category – 331 Category (Opencast and Underground)	990478T
Mineral block under ore blocked in safety zone 15m (pit bottom of quarry no. III) and RIB Pillar for Main Incline	286742T
Total mineral reserves (Underground) 121 = 331-221 (846033-286742)	559291 T

Total mineral reserves (opencast) 121 = 331-221	144445 T
Total Movable Reserve (121 category) (underground + opencast)	703736T
Proposed production capacity	90868T/year
First five year production	350614 T
Balance reserves 703736-350614	353122T
Hence mine life – balance Reserve /Production = $353122/90868 = 5 + 3.89 = 8.89$ years	9 years

- Existing mining is being carried out by ‘A’ Category (Other than Fully Mechanized) opencast and underground method of mining using excavator cum loader (back hoe) drilling is being done with JH and wagon drill.
- 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 three O/c pits have been observed in lease area, which covers about 10.755ha area upto depth of 305m MSL

Opencast mining

O/c mining is proposed in Quarry no. II, where mining is viable with the available reserve. The proposals of mining is given from 340m to 285 m in Quarry no. II.

Underground mining

Considering the mineral existence underground, development and future prospect of stoping, the desired development for stoping will be from MSL 286 m to MSL 305 m by developing drives/ X-cuts/ Winze/ Raises.

Mode of entry:

- Circular Vertical shaft (Ramink Shaft) (VS) from 340-286m
- Incline No. 6 from Quarry No. III connected to Circular Shaft
- Winze No. 4 & 5 Connect with each other

The lessee has put one vertical shaft as Circular Vertical Shaft (Ramnik Shaft) (VS) towards western part of the area and it has safe distance from Mahadeo Nallha and further top RL of vertical shaft is around MSL 340m while HFL of Mahadeo nalla is MSL 336m i.e. it is 4m above the HFL of Mahadeo Nallah. Then after requirement of second outlet is needed as per proposal therefore lessee has developed second outlet as Incline No. 6 from Quarry No. III, which is connected to circular shaft. Further Winze No 4 & 5 and incline 6 is already within quarry No.III and this quarry already been protected with natural face /embankment and embankment (size of embankment is top width 20m bottom width is 32m and length is average 200m) has Top MSL of 343m which 7m above HFL of Mahadeo Nalla (Mahadeo Nalla has HFL of MSL 336m).

Committee after deliberation decided that being it's a case of major mineral, to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Compliance of earlier EC conditions from MoEF&CC should be obtained and submitted with EIA report.
 2. Some trees are in existence in the lease area thus PP should submit inventory of all the existing trees and if tree falling is proposed same should be discussed in EIA report.
 3. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
 4. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
 5. Transportation plan & traffic management plan should be discussed in the EIA report.
 6. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
 7. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
 8. Compliance of consent conditions of M. P. Pollution Control Board from concerned Regional Office.
 9. Year wise details of minerals already excavated till date should be submitted with EIA report.
3. **Case No. – 7685/2020 M/s Medi Impact Life Sciences Pvt. Ltd, Shri Ashish Kailashchand Jain, Director, 381, Gumashta Nagar, Dist. Indore, MP - 452001 Prior Environment Clearance for Bulk Drugs & API (Production Capacity - 30 TPA) at Ujjaini Industrial Area, Dist. Dhar, (MP)**

This is case of Prior Environment Clearance for Bulk Drugs & API (Production Capacity - 30 TPA) at Ujjain Industrial Area, Dist. Dhar, (MP). The proposed project falls under item no 5(f)

i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site.

PP and their consultant presented the case before the committees, PP has submitted following project details:

Salient Feature of Project

- Medimpact Life Science Pvt.Ltd.is proposing to manufacture Bulk Drugs, & its Intermediates of 30 TPA at Plot No. 125-126, Ujjaini Industrial Area , Dist-Dhar (MP). The proposed products steroid, hormones like Dexamethasone sodium phosphate, Clobetasole Propionate, Betamethasone Valerate, Vitamin 812 etc, Active pharmaceuticals ingredients and Its Intermediate.
- The project occupies a plot Area of 3720 sqmt of land. The total fixed cost of the project is estimated as INR 750 Lacs.
- The major facilities will be Boiler, MEE, Reactors, Cooling Towers, Effluent Treatment Plant (ETP), and R.O Plant. Facilities like administrative office, parking and greenbelt/plantation will also be developed as per plan/requirement. The treated water will be used for cooling towers, floor washing and gardening/green belt.
- The industrial water requirement for the proposed project is 40 KL per day which will be sourced from AKVN supply. Total waste water generation from proposed unit will be 27 KLD which will be treated in ETP (40 KLD) , RO (20 KLD) and MEE of 10 KLD.
- Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized TSDF facility, as per Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008 (Amendment 2016). M/s RLSPL will take authorization Under Hazardous Waste (Management, Handling & Transboundary Movement), Rules.
- Power will be sourced from existing line of 'Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company'. The total requirement will be 630 KVA. In case of power failure, D.G. of 225 KVA will be used as a backup power source.
- The M/s MEDIMPACT LIFE SCIENCE will have total manpower of approx. 150 who will be from Pithampur and nearby villages/area and therefore no residential planning has been incorporated..
- The total estimated cost of the proposed project Rs. 750 Lacs out of which . Rs. 95.90 Lacs (capital cost) is allocated for environmental management systems and the annual recurring cost for the same is Rs 14.80 Lacs.

Project Name	Manufacturing of Bulk drug and Intermediates
Location	UjjainiDistDhar
Production capacity	30 M Ton per Anum -
Estimated Project Cost	Proposed : 750 Lacs
EMP Cost (Capital)	Proposed : - 95.90 Lacs
EMP Cost Recurring	Proposed : 114.80 + 30 Lacs
Acquired Land	3720 sqmtrs
Total Water Consumption	Total= 40 KLD
Net fresh Water Consumption	27 KLD as fresh 12 KLD of treated water will be recycled.
Source of Water Supply	AKVN
Waste Water Generation	Total= 27 KLD
Proposed Treatment Facility	Effluent treatment facility will install in ETP of 40KLD, RO of 20- KLD, MEE of 10--- KL/day. The treated water will be used for cooling towers, floor washing and green belt.
Source of power supply	Madhya KshetraVidyutVitaran Company
Power Requirement	Total : 630-KVA
Fuel Options Coal/Agro waste (TPD) FO (Lit/Hr)	Total : For Boiler : FO- 54kg/hour For DG set 45kg/hour
Major equipments	Reactors, Centrifuge, Vacuum Try Dryer, Filters, Boiler, Cooling Tower, MEE, ETP and RO etc.
Green belt (sqmt)	1300 Sq Meter
Employment generation	150
CER Cost	Capital : -15

Land Use Pattern

Particular	Area (Future)	In	Sq.	Mt.
Builtup Area	475.00			
Raw Material Storage	50			
Internal Road & Paved Area	647			
Green Belt	1300			

Total	2472
Open Land	12248
Total Area	3720

HTDS & LTDS DETAILS:

Unit	HTDS KLD	LTDS KLD	Effluent Generation KLD	Treatment Method
Process	3.5	12.6	16.1+ (3Domestic)	ZLD System
Boiler Blow Down + RO reject	4.0	0.4	4.4	
Utensil washing	-	2.0	2.0	
Softner/MEE/DMM plant	-	0.5	0.5	
R&D /QC	-	0.5	0.5	
Other Scrubber	-	0.5	0.5	
Total	7.5	16.5	24+(3 Domestic)=27	

- The total water requirement is about 40 KLD inclusive Recycled 27 KLD Fresh of domestic requirement in first time and waste water generated from the plant will be about 27 KLD. Out of this about 7.5 KLD will be HTDS from Process, Boiler blow down & Scrubber System and 16.5-KLD LTDS from Process, Washings, R&D, QC & Cooling towers and from Domestic/ Sewage will be collected by gravity from all sources into separate collection tanks.
- HTDS Effluent will be sent to Multiple Effect Evaporator (MEE) 7.5KLD with Stripper column followed by Agitated Thin Film Dryer (ATFD). The Condensate from MEE & LTDS Effluents will be sent to Biological ETP.(30 KLD)
- After Pre-treatment effluent will be sent to RO System. After RO Treatment, permeate will be reused for Cooling Towers makeup and rejection will be back to the MEE System. The MEE Salts generation from ATFD, which will be collected and sent to TSDF.
- As per process flow diagram, the waste water generated from different units will be collected in a separate collection tanks (LTDS, HTDS, Domestic waste water).
- The water from LTDS collection tank will be pumped into flash mixer for physio-chemical treatment, the overflow from flash mixer is passed into Primary Clarifier for sedimentation, the overflow from Primary Clarifier will be passed into Aeration Tank for biological

treatment, the domestic waste water is pumped into aeration tank for treatment & the condensate (after recovery) from Stripper, Multiple Effect Evaporator will also be transferred to Aeration Tank for further treatment.

- The biological treated water is given tertiary treatment and then passed into Reverse Osmosis System
- Total Industrial Effluent will consist of High COD/TDS & low COD/TDS stream.
- The High COD/TDS process effluent (7.5 KLD) and RO Reject (4.0 KLD) will be treated through MEE/ ATFD. The MEE condensates to the tune of 3.5 KLD will be recycled/ reused and MEE bottom will be sent to TSDF site
- The Low COD/TDS effluent, *[consisting, process effluent (12.6- KLD), Utility blow down (-0.4 KLD), washing (2.0- KLD), From Other (Scrubber + Softener/ MEE/DM Plant + R&D/QC/ROI) :1.5KLD)]* will be treated in an on-site ETP followed by RO system.
- The treated effluent 12.0 KLD) will be reused/ recycled and the RO reject will be sent MEE/ATFD as stated above. Total recycled water 50 KLD .

Hazardous Waste Generation & Management

Hazardous Waste Generation & Management					
Sr.	Hazardous Waste Type	Category	Source	Quantity Tons/Annun	Disposal method
1	Spent/Used Oil	5.1	DG Set	0.05	Collection storage and Sold to MPPCB Authorized Re-processor / Recycler
2	Oil & Grease	5.2	ETP Plant/Machinery /Gearbox	0.05	Collection storage and Sold to MPPCB Authorized Re-processor / Recycler
3	Distillation Residue	20.3	Solvent Distillation	1.66	sent to Common TSDF Ramky for Incineration
4	Other Solid Waster (Tissue Paper , hand Gloves, , Butter Paper ,used Poly	28.1	Manufacturing Process	0.60	Send to MPWMP Ramkey for disposal

	Bags)				
5	Spent Mother Liquor	28.1	Manufacturing Process	10	Sale to Authorized Re-processor or Recycler
6	Spent Carbon and hyflow	28.2	Manufacturing Process	2.0	Deactivate , Washed and send to Recycler or Common TSDFRamkey
7	Date Expired Products & out Off Specification s Drugs	28.4	Manufacturing Process	0.066	Send to MPWMP Ramkey for dispose or Inceneration
8	Spent Solvent	28.5	Manufacturing Process	12	Distillation & Reuse or Sale to Authorized Re-processor or Recycler.
9	Discarded Containers	33.3	Manufacturing Process	1.33	To Authorised Reprocessor / Recycler

After presentation and discussion PP was asked to submit breakup of activities mentioned in the CER with appropriate budget.

PP vide letter dated 29.09.2020 submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Manufacturing of Bulk Durg & Intermediate at Plot No. 125 & 126 Ujjaini Industrial Area Tehsil & Dist Dhar (MP) Land Area 3720 Sq Mt Proposed Capacity 30 TPA of M/s Medipact Life Science Pvt Limited Indore under . Cat. 5(f) Synthetic Organic Chemicals Industry (Bulk Drug) Project subject to the following special conditions:

(A) Statutory compliance:

1. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
2. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

3. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

(B) Air quality monitoring and preservation

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
3. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
4. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
5. The DG sets (1 X 125 KVA-Proposed) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
6. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
7. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

2. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
3. The High COD/TDS process effluent (7.5KLD) and RO Reject (4.0 KLD) will be treated through MEE/ ATFD. The MEE condensates to the tune of -3.5 KLD will be recycled/ reused and MEE bottom will be sent to TSDF site
4. The Low COD/TDS effluent, [consisting, process effluent (12.6- KLD), Utility blow down (--0.4 KLD), washing (2.0- KLD), From Other (Scrubber + Softener/ MEE/DM Plant + R&D/QC/RO1) :1.5KLD)] will be treated in an on-site ETP followed by RO system.
5. The treated effluent 12.0 KLD) will be reused/ recycled and the RO reject will be sent MEE/ATFD as stated above.
6. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. 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.
7. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
8. Total fresh water requirement shall not exceed 40 KLD and AKVN supply shall be used
9. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
10. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
11. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(D) Noise monitoring and prevention

1. Acoustic enclosure shall be provided to DG (125 KVA) set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. 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.

(A) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 630 KVA . The power will be supplied by Madhya Pradesh Electricity Board. Furnace Oil Consumption 850 kg/hours, whereas the for boiler of 0.85 TPH. (Source Indigeneous)

(B) Waste management

1. MSW waste shall be disposed of as per MSW rule 2016.
2. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
3. Minimum 95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
4. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDf, Dhar.
5. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
6. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
7. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
8. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
9. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
10. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
11. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.

12. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
13. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
14. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
15. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
16. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
17. The company shall undertake waste minimization measures as below:
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(C) Green Belt

1. The green belt of 5-10 m width shall be developed 1300 sq. meter within plant (300 no) and 250 no along the plant periphery, in downward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. 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 600 no of plants in one year's shall be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(D) Safety, Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(E) 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 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. 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.
3. 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.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

5. The proposed EMP cost is Rs. 95.90 Lakhs as capital and 14.80 +30 Lakhs /year as recurring cost.
6. Under CER activity, Rs. 15.0 Lakhs as capital costs has proposed for different activities. PP shall comply with the commitment of providing infrastructure facility at school .
7. 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.
8. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
3. 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.
4. 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).
5. 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.

4. Case No. – 7708/2020 M/s. Citadel ISWM Project Singrauli Pvt. Ltd, 113, Diamond Trade Centre, 3-4, Diamond Colony, New Palasia, Dist. Indore, MP – 452001 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)

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).

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

5. Case No. – 7709/2020 M/s Krupa Wastages, A Common Bio-Medical Waste Treatment Facility, Shastri Ward, Near Gayatri Mandir, Anganwari No. 10, Dist. Seoni, MP – 480661 Prior Environment Clearance for Common Bio-Medical Waste Treatment Facility for treatment of 100 kg per hour rotary kiln based bio medical incineration project at Village - Pindrai, Tehsil - Barghat, Dist. Seoni (MP)

This is case of Prior Environment Clearance for Common Bio-Medical Waste Treatment Facility for treatment of 100 kg per hour rotary kiln based bio medical incineration project at Village - Pindrai, Tehsil - Barghat, Dist. Seoni (MP).

The case was presented by the PP and their consultant wherein PP submitted that it has already operating CBWT facility at same site i.e. Khasara No. 394, Village Pindrai Khurd, Teh. Barghat, Dist. Seoni (M.P.) having capacity of 50 kg per hours, to meet out the requirement of guideline issued by CPCB, it is proposed to dismantle the old incinerator and 100 KG per hour rotary kiln based bio medical incineration project which shall comprises rotary type incinerator. The existing autoclave and shredder will be used in the new facility.

Following will be the capacity of the facility:

Sl. No.	Equipment	Number	Installed Capacity
1	Rotary Kiln	01	100 kg per hr
2	Autoclave	01	0.5 m3

3	Shredder	01	50 kg per hour
4	Effluent Treatment Plant	01	5 KLD

Total no. of bed covered (Existing):

S.No.	District	No. of bed (approx)
1	Seoni	800
2	Balaghat	1050
3	Mandla	750
4	Chhindwara	1500
5	Dindori	350
	Total	4450

Total no. of bed covered (Proposed):

S. No.	District	No. of bed (approx)
1	Seoni	800
2	Balaghat	1050
3	Mandla	750
4	Chhindwara	1500
5	Dindori	350
6	Jabalpur	4200
7	Narsingpur	1200
8	Betul	800
	Total	10650

After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TORs:

- a. Compliance of consent conditions of Regional Office of M. P. Pollution Control Board.
- b. Since the proposed unit will be established on an existing unit thus in EIA report PP should provide the details of such existing facilities which will be used and which will be dismantled with quantity (C& D details).
- c. In case PP intends to use ground water, permission of CGWB should be obtained.
- d. Facility should be developed in accordance with the provisions made in the Bio-Medical Waste Management Rules, 2016 published by GOI and Guidelines published by CPCB for Common Bio-medical Waste Treatment Facilities.
- e. Justify in EIA report, how unit will remain zero discharge.
- f. Disposal plan of autoclaved material should be discussed in the EIA report.
- g. Analysis of ash their disposal should be discussed in the EIA report.
- h. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.

6. Case No. – 7727/2020 M/s Symbiotec Pharma Lab Pvt. Ltd, Shri Shushil Satwani, Director, 385/2, Pigdamber, Rau, Dist. Indore, MP – 453331 Prior Environment Clearance for Capacity Expansion in Manufacturing of Bulk Drug and Intermediaties at Plot No. 3, 5, 6, 7, 8, Pharma Zone, Phase-II, Dist. Indore (MP)

This is case of Prior Environment Clearance for Capacity Expansion in Manufacturing of Bulk Drug and Intermediaties at Plot No. 3, 5, 6, 7, 8, Pharma Zone, Phase-II, Dist. Indore (MP). The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site.

The case was presented by the PP and their consultant following are project details:

- Symbiotec, an Active Pharmaceutical Ingredients (APIs) manufacturing company based at Indore in Central India, is in the business of development, production and marketing of research-based Cortico Steroids APIs.
- The project occupies Total Plot Area of 22258 sqm and total fixed cost of the project (existing + proposed) is 7751.51 Lacs as per the company gross book value.
- The major facilities involved area Boiler, Cooling Towers, Effluent Treatment Plant (ETP), STP and R.O Plant Facilities like administrative office, parking and greenbelt/plantation also developed as per plan/requirement.
- The water requirement for the existing project is 73.50 KL per day which will be increased to a 189.00 KLD and sourced from surface water supply. Total cumulative

waste water generation from existing unit is 55.3 KLD which will be increased to 123.90 KLD. The WW will be treated in ETP of 100 KLD, RO of 100 KLD, and MEE of 30 KL/day respectively. The net fresh water requirement shall be 105.485 KLD and 81.515 KLD will be recycled. The rejected water will be reused for floor washing and gardening/green belt.

- Solid waste generated during the manufacturing process and sludge from waste water treatment process will be disposed at authorized TSDF facility, as per Hazardous and Other Waste (Management & Trans-boundary Movement) Rules, 2008 (Amendment 2016). M/s SPPL will take expanded authorization Under Hazardous Waste (Management, Handling & Trans-boundary Movement), Rules.
- Power requirement of 4000 KVA will be sourced from existing line of 'Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company'. In case of power failure, D.G. set (Existing 750 KVA, 320 KVA, 1000 KVA and proposed 2000 KVA) will be used as a backup power source.
- The M/s SPPL is having existing workers 500 numbers and will have total manpower of approx. 650 after expansion and are/will be from Rau, Pithampur and nearby villages/area and therefore no residential planning has been incorporated.

Salient Feature of Proposed Project:

Project Proponent	M/s Symbiotec Pharmalab Pvt. Ltd.
Project Name	Capacity expansion in Manufacturing of Bulk drug and Intermediates
Production capacity	Present capacity : 30 MTPA Present application is for increasing of capacity from 30 MTPA to 96 MTPA.
Estimated Project Cost	Existing : 5051.51 Lacs Additional : 2700.00 Lacs Total : 7751.51 Lacs
EMP Cost (Capital)	Existing:941.20Lacs additional : 30.00 Lacs Total : 971.20 Lacs
Acquired Land	22258 sq mtrs
Total Water Consumption	Existing : 73.500 KLD Additional : 115.500 KLD Total : 189.000 KLD
Net fresh Water Consumption	100 KLD as 81.515 KLD of treated water will be recycled.

Source of Water Supply	Through Narmada Water Supply system
Waste Water Generation	Existing : 55.300 KLD Additional : 68.600 KLD Total : 123.900 KLD
Proposed Treatment Facility	SPPL will install in ETP of 100 KLD, RO of 100 KLD, and MEE of 30 KL/day. The treated water will be used for cooling towers, Boiler, floor washing, green belt, hot water and chilled water.
Source of power supply	Madhya Pradesh Kshetra Vidyut Vitaran Comp. Ltd
Power Requirement	Existing : 2000 KVA Proposed : 2000 KVA Total : 4000 KVA
Fuel LDO (lit/month) Husk (kg/day)	Existing : 4000, Proposed : 2000 Total : 6000 Existing : 1800, Proposed : 6200, Total : 8000
Major equipment's	Reactors, Centrifuge, lyophilizers, Vacuum Try Dryer, Filters, Boiler, Cooling Tower, MEE, ETP and RO
Green belt (sq mt) Employment generation	Existing : 12344 Total : 12344 Existing : 500, Proposed : 150 Total : 650

Details of Existing Products

Existing and Proposed Products And Its Capacity				
Sr. No.	List of Products	Existing Capacity	Proposed capacity	Grand Total
(A)	Non Sterile Products (Existing & proposed)			
1	Betamethsone Propionate	8	8	16
2	Betamethsone sodium phosphate			
3	Betamethasone valerate			
4	Clobetasol propionate			
5	Beclometasone dipropionate			

6	DTMD mesylate			
7	Halobetasol propionate			
8	Budesonide			
9	Prednisolone acetate			
10	Prednisolone sodium phosphate			
11	Triamcinolone acetonide			
12	Dexamethasone sodium phosphate			
13	Mometasone Epoxide			
14	Mometasone Furoate			
15	Hydrocortisone acetate			
16	Methylprednisolone acetate			
17	Deflazacort			
18	Abiraterone Acetate			
19	Betamethasone Acetate			
20	Clobetasone Butyrate			
21	Clorprednol			
22	Desonide			
23	Desoximetasone			
24	Dexamethasone			
25	Dexamethasone Acetate			
26	Diflorasone Diacetate	8	8	16
27	Drospirenone			
28	Halometasone Monohydrate			
29	Hydrocortisone Hemisuccinate			
30	Hydrocortisone			

	Hydrogen Succinate			
31	Hydroxyprogesterone Caproate			
32	Methylprednisolone			
33	Trimicinolone Sodium Phosphate			
34	Betamethasone			
35	Flucinolone Acetonide			
36	Flucinolone Pivolate			
37	Flumethazone			
38	Fluoxymesterone			
39	Fluticasone Furoate			
40	Methylprednisolone Aceponate			
41	Potassium Canrenone			
42	Hydrocortisone			
43	Fluticasone propionate			
44	Prednisolone Hemisuccinate			
45	Prednisolone			
46	4 TR			
47	3 TR / Tetrane Acetate			
48	Fluromethlone			
49	Methyl prednisolone Sodium Succinate			
50	Methylprednisolone Hydrogen Succinate			
51	Hydrocortisone Sodium Succinate			

List of Additional products for EC

List of Additional products for EC			
Fluocortolone Pivalate (FOP)		8	16
Fluocortolone Hexanoate			
Clascoterone / Cortisolone 17a-PROPIONATE - In- House			
Betamethasone Acetate			
Fluocortolone Hexanoate			
Clascoterone / Cortisolone 17a - PROPIONATE - In - House			
Flurandrenolide (FLN)			
Clocortolone Pivalate (CCP)			
Prednisolone sodium meta sulfo benzoate (PMB)			
Prednisolone caproate (PRC)			
Fluocortolone (FON)			
Flucortolone Hexanoate			
Diflucortolone (DON)			
Diflucortolone valerate (DOV)			
Methylprednisolone Aceponate (MAP)			
Ergocalciferol (Vitamin D-2)			
Cholcalciferol (Vitamin D-3)			
Total			
Sterile Products (Existing)			
Methyl Prednisolone Sodium Succinate for injection USP for manufacturer's use.	22	58	80
Hydrocortisone Sodium Succinate for injection USP for manufacturer's use			
Total	30	66	97

After presentation and discussion PP was asked to submit revised CER Plan as suggested by the committee.

PP vide letter dated 29.09.2020 submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Capacity Expansion Project In Manufacturing Of Bulk Drug & Intermediates from 30 TPA to 96 TPA By M/S. Symbiotec Pharmalab Pvt. Limited, At plot no 385/1, 385 / 2, 390 / 1 & 2, 389 / 1, Pigdamber Rau, Dist Indore, Madhya Pradesh under . Cat. 5(f) Synthetic Organic Chemicals Industry (Bulk Drug) Project subject to the following special conditions:

(A) Statutory compliance:

1. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
2. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
3. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

(B) Air quality monitoring and preservation

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
3. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

4. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
5. The DG sets (Existing - 1 X 2000 KVA and Proposed 1 X 2000 KVA) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
6. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
7. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
3. The High COD/TDS process effluent (34 KLD) and RO Reject (24.45 KLD) will be treated through MEE/ ATFD. The MEE condensates will be recycled/ reused and MEE bottom will be sent to TSDF site
4. The Low COD/TDS effluent, [consisting, process effluent (23KLD), Utility blow down 31 KLD will be treated in an on-site ETP followed by RO system.
5. The treated effluent 81.515 KLD will be reused/ recycled and the RO reject will be sent MEE/ATFD as stated above.
6. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. 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.
7. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
8. Total fresh water requirement shall not exceed 105.485 KLD and AKVN supply shall be used

9. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
10. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
11. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(D) Noise monitoring and prevention

1. Acoustic enclosure shall be provided to DG ((Existing - 1 X 2000 KVA and Proposed 1 X 2000 KVA) set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. 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.

(F) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 400 KVA . The power will be supplied by Madhya Pradesh Electricity Board. 8000 kg per day Husk will be used as fuel in existing (1+3 TPH) and proposed boiler 4 TPH). (Source Indigeneous)

(G) Waste management

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. As proposed, 90-95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
3. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDf, Dhar.

4. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
5. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
6. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
7. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
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 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
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 - d. Use of Close Feed system into batch reactors.

- e. Venting equipment through vapour recovery system.
- f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(H) Green Belt

1. The green belt of 5-10 m width has been developed over 12344 sq. meter of land within plant (with 3417 no of tress which shall be increased to 3917 no of tress along the plant periphery, in downward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. 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 500 no of plants in one years shall be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(I) Safety, Public hearing and Human health issues

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6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(J) 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 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. 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.
3. 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.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP cost is Rs. 1005.20 Lakhs as capital and $43+28=71.00$ Lakhs /year as recurring cost.
6. Under CER activity, Rs. 23.70 Lakhs as capital costs has proposed for different activities. PP shall complied with the commitment of providing infrastructure facility at school .
7. 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.
8. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
 3. 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.
 4. 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).
 5. 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.
7. **Case No. – 7684/2020 M/s Indore Municipal Corporation, Pradhan Mantri Aawas Yojana, 107-109, First Floor, Palika Plaza, Dist. Indore, MP Prior Environment Clearance for Construction of Residential Building Project at Kshipra Parisar (Affordable Housing Project Under Pradhan Mantri Awas Yojna) (Total Plot Area = 54250.0 sqm, Built-up Area = 35023.88 sqm) at Village - Kasba, Tehsil - Juni, District - Indore (MP)**

This is case of Prior Environment Clearance for Construction of Residential Building Project at Kshipra Parisar (Affordable Housing Project Under Pradhan Mantri Awas Yojna) (Total Plot Area = 54250.0 sqm, Built-up Area = 35023.88 sqm) at Village - Kasba, Tehsil - Juni, District - Indore (MP).

PP has submitted the EIA report vide letter dated 2.09.2020 which was forwarded through SEIAA vide letter no. 3070 dated 24.09. 2020 , which was placed before the committee.

The case was presented by the PP and their consultant wherein PP submitted following salient features of the project:

Proposed Project	Environmental Clearance for Proposed Affordable housing project ‘ Kshipra Parisar’ at Lodha Colony under Pradhanmantri Awas Yojna by M/s. Indore Municipal Corporation.
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Total Plot Area	54250 sq. mtrs.
Permissible Ground Cov	9531.06 sq. m.
Proposed Ground Cov (9531.06sq. m.
BU Area under 1 BHK Flats	33580.8sq.m.
BU Area under Shops	932.88sq.m.
BU Area under Community Hall	510.2 sq.m.
Total 1 BHK Flats Proposed	960 No.s
Total No. of shops Proposed	56 No.s
Sump well & OH Tank	450KL & 100KL x 2
STP & Collection Tank	Sewage line connected to Kabitkhedi STP.
Rainwater Harvesting	8 No.s
Garbage Disposal	2037.5 KG/DAY
Service Block (Substation, DG Set, etc.)	DG set with AMF Panel of 50 KVA in 2.
Width of Internal Road	7.5 mtrs
Width of approach road	9.0 mtrs
Front MoS/Rear MoS	9.0 mtrs/ 7.5 mtrs
Height of Building	24 mtrs
Total Built up area including built-up area of stair cases, balcony, basements & other services area which does not considered for calculation wrt T & CP & MPBVR 2012	35023.88 sq.m.

The case was presented by PP and their consultant during presentation as per Google image based on coordinates provided by PP it was observed that the proposed project where township is proposed is a slum area. PP stated that this project shall be based on to use conventional

construction material in these projects. PP further stated that the Ralamanadal sanctuary is <10.0 KM from the project site for which they have applied for NBWL clearance vide proposal no. FP/MP/Others/5342/2020. Committee after presentation and deliberation PP was asked to submit following information for further consideration of the project.

1. PP will submit copy of application submitted for NBWL clearance as Ralamanadal sanctuary is <10 KMs away from the site.
2. Commitment that separate sewage line shall be laying down to carry STP plant waste water to Kabitkhedi STP.

PP vide letter dated 29.09.2020 has submitted the quarries which was placed before the committee. After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Development of Residential Township Comprising of EWS and LIG units at Lodha Colony/Sethi Nagar (Total Plot Area = 28,882 sqm, Total Built up Area = 35023.88 sqm) at Village – Lodha Colony/ Sethi Nagar, Tehsil – Juni Indore, Dist. Indore, (MP).Cat. 8(a)subject to the following special conditions:

Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. 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.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. 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.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- ix. The project area shall be secure through boundary wall and excavated top soil shall not be used in filling of low lying area. The top soil shall be used for greenery development.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 2 Diesel power generating sets 50 kVA *2 nos. proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

- xi. The gaseous emission from DG sets 50 kVA *02 nos shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 666 KLD out of which 426 KLD is fresh water requirement.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fire water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 08 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 106.06 m³/hr. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.
- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xix. Sewage shall be treated in the MBBR based STP (Capacity - 500 KLD(2*250)). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in nearby situated KabitKhedi STP plant based on SBR Technology. No water body or drainage channels are getting affected in the study area because of this project.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy Conservation measures like installation of CFLs/LED's for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other renewable energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level /local building bye-laws requirement, which is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

- i. Total waste 2037.5 Kg/day, this consist all types of wastes (as Organic waste 1222 Kg/day and non- organic waste 611.25 Kg/day), Inert waste 203.75 Kg/day, E- waste 691Kg/Annum, and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i. Total 500 trees shall be planted in the area of 2888.2 m² (10 % of total plot area) which is developed as greenbelt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees

should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).

- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should included plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stack plied appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 345 ECS (in which nil ECS for Basement parking , 151 for ECS for Silt parking and 194 for open parking).
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority

for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. 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 balance 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 reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. 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.

- v. For Environment Management Plan PP has proposed Rs.546.0 Lakhs as capital and Rs. 77.0 Lakhs as recurring cost for this project.
- vi. For this project PP has proposed Rs 160.0 Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. 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 State Expert Appraisal Committee (SEAC)
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. 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.
- v. 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.

8. Case No. – 6201/2019 Smt. Rekha Sengar, 05, Battalion Shyam Vihar Colony, Tehsil & Dist. Morena, MP – 476001 Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (14,550 cum per annum) (Khasra No. 172), Village - Sarwani Khurd, Tehsil - Ratlam, Dist. Ratlam (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 172), Village - Sarwani Khurd, Tehsil - Ratlam, Dist. Ratlam (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 2043 dated: 05/02/19 has reported that

there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 8.40 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 386th SEAC meeting dated 06/08/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 3038 dated 16/09/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees. PP stated Jamar River at 130 meters and provided the provision of garland drain & settling tank.

After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme and species as suggested by committee.

PP vide their letter dated 29.09.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. 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 Environment Clearance for Stone Quarry in an area of 2.00 ha. (14,550 cum per annum) (Khasra No. 172), Village - Sarwani Khurd, Tehsil - Ratlam, Dist. Ratlam (MP), subject to the 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. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.
20. 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 2400 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. 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.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

S.No.	Land USE	PRESENT Area (Hectare)	AFTER FIRST 5 YEAR Area (Hectare)	AFTER Next 5 YEAR Area (Hectare)	AT THE END OF MINE LEASE PERIOD Area (Hectare)
1.	PITS	0.00	1.58	1.58	0.00
2.	PLANTATION (within Barrier Zone)	0.00	0.40	0.40	0.42
3.	RESERVOIR	0.00	0.00	0.00	1.58
4	Shed & crusher	0.00	0.02	0.02	0.00
5	UNUSED	2.00	0.00	0.00	0.00
TOTAL		2.0	2.0	2.0	2.0

28. 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.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 9.63Lakh is proposed and Rs.7.21 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 0.6 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.

35. 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.
36. 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.

9. **Case No. – 6204/2019 Shri Digvijay Singh Sengar, 05, Batallion, Shyam Vihar Colony, Dist. Morena, MP Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (14,550 cum per annum) (Khasra No. 172), Village - Sarwani Khurd, Tehsil - Ratlam, Dist. Ratlam (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 172), Village - Sarwani Khurd, Tehsil - Ratlam, Dist. Ratlam (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 2043 dated: 05/2/19 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 8.400 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 386st SEAC meeting dated 06/08/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 11/8/20 which was forwarded through SEIAA vide letter no. 3036 dated 16/09/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees. PP stated Jamar River at 200 meters and provided the provision of garland drain & settling tank. After presentation and deliberation, PP was asked to submit following information:

- Revised plantation scheme and species as suggested by committee.

PP vide their letter dated 29.09.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. 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 Environment Clearance for Stone Quarry in an area of 2.00 ha. (14,550 cum per annum) (Khasra No. 172), Village - Sarwani Khurd, Tehsil - Ratlam, Dist. Ratlam (MP), subject to the 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. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.

20. 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 2400 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. 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.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

S.No.	Land USE	PRESENT Area (Hectare)	AFTER FIRST 5 YEAR Area (Hectare)	AFTER Next 5 YEAR Area (Hectare)	AT THE END OF MINE LEASE PERIOD Area (Hectare)
1.	PITS	0.00	1.58	1.58	0.00
2.	PLANTATION (within Barrier Zone)	0.00	0.40	0.40	0.42
3.	RESERVOIR	0.00	0.00	0.00	1.58
4	Shed & crusher	0.00	0.02	0.02	0.00
5	UNUSED	2.00	0.00	0.00	0.00
TOTAL		2.0	2.0	2.0	2.0

28. 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.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 9.58Lakh is proposed and Rs.7.40 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 0.6 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. 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.
36. 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.

10. Case No. – 6076/2019 M/s T.N.C.Enterprises, Shri Jitendra Singh Chouhan, 24, Empire State, Bypass, Bichauli, Dist. Indore, MP Prior Environment Clearance for Stone Quarry in an area of 4.690 ha. (50,000 cum per annum) (Khasra No. 444/1, 444/2, 445/1, 445/2, 446/1, 446/2, 448/1, 448/2, 449/1/2, 449/2, 450/1, 451/2/1, 451/1/1), Village - Pitawali, Tehsil - Dewas, Dist. Dewas (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 444/1, 444/2, 445/1, 445/2, 446/1, 446/2, 448/1, 448/2, 449/1/2, 449/2, 450/1, 451/2/1, 451/1/1), Village - Pitawali, Tehsil - Dewas, Dist. Dewas (MP) 4.690 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. NIL dated: 01/01/2019 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 13.970 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 364th SEAC meeting dated 17/04/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 15/9/20 which was forwarded through SEIAA vide letter no. 3130 dated 21/09/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees. PP stated that nearest settlement at >1KM meters and crusher is proposed within lease for which PP has proposed 3 meters MS sheet wall . After presentation and deliberation, PP was asked to submit following information:

- Revised plantation scheme and species as suggested by committee.

PP vide their letter dated 29.09.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. 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 Environment Clearance for Stone Quarry in an area of 4.690 ha. (50,000 cum per annum) (Khasra No. 444/1, 444/2, 445/1, 445/2, 446/1, 446/2, 448/1, 448/2, 449/1/2, 449/2, 450/1, 451/2/1, 451/1/1), Village - Pitawali, Tehsil - Dewas, Dist. Dewas (MP), subject to the 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. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.
20. 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 5630 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. 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.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.

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

S.N	Land USE	PRESENT Area (Hectare)	AFTER FIRST 5 YEAR Area (Hectare)	AFTER Next 5 YEAR Area (Hectare)	AT THE END OF MINE LEASE PERIOD Area (Hectare)
1.	PITS	0.00	3.433	3.433	0.00
2.	PLANTATION (within Barrier Zone)	0.00	1.237	1.237	1.237
3.	RESERVOIR	0.00	0.00	0.00	3.453
4	Shed & crusher	0.00	0.02	0.02	0.00
5	UNUSED	4.690	0.00	0.00	0.00
TOTAL		4.690	4.690	4.690	4.690

28. 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.

29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.

30. The commitments made in the public hearing are to be fulfilled by the PP.

31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 11.22 Lakh is proposed and Rs.7.86 Lakh /year as recurring expenses.

34. Under CSR activity, Rs. 01.0 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.

35. 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.
36. 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.

11. Case No. – 6077/2019 M/s S.B.A. Stone Pvt. Ltd, Shri Bane Singh Thakur, 158, Kanchanm Bagh, Dist. Indore, MP Prior Environment Clearance for Stone Quarry in an area of 2.50 ha. (30,000 cum per annum) (Khasra No. 452, 453, 454), Village - Pitawali, Tehsil - Dewas, Dist. Dewas (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 452, 453, 454), Village - Pitawali, Tehsil - Dewas, Dist. Dewas (MP) 2.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. NIL dated: 01/01/2019 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 13.970 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 364st SEAC meeting dated 17/04/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 16/9/20 which was forwarded through SEIAA vide letter no. 3132 dated 21/09/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committee. PP stated that crusher is proposed within lease for which PP has proposed 3 meters MS sheet wall After presentation and deliberation, PP was asked to submit following information:

- Revised plantation scheme and species as suggested by committee.

PP vide their letter dated 29.09.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. 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 Environment Clearance for Stone Quarry in an area of 2.50 ha. (30,000 cum per annum) (Khasra No. 452, 453, 454), Village - Pitawali, Tehsil - Dewas, Dist. Dewas (MP), subject to the 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. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.

20. 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 3000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. 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.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

S.N	LAND USE	PRESENT Area (Hectare)	AFTER FIRST 5 YEAR Area (Hectare)	AFTER Next 5 YEAR Area (Hectare)	AT THE END OF MINE LEASE PERIOD Area (Hectare)
1.	PITS	0.00	1.7509	1.7509	0.00
2.	PLANTATION (within Barrier Zone)	0.00	0.7291	0.7291	0.7491
3.	RESERVOIR	0.00	0.00	0.00	1.7509
4	Shed & crusher	0.00	0.02	0.02	0.00
5	UNUSED	2.50	0.00	0.00	0.00
TOTAL		2.50	2.50	2.50	2.50

28. 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.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 8.64 Lakh is proposed and Rs.6.01Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 01.90 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. 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.
36. 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.

12. Case No. – 7669/2020 Mod. Asif Khan S/o Mr. Abdul Khan, Village- Berkhedi Tunda, Post- Berkhedi Choraha, Tehsil & Dist. Raisen, MP – 454651 Prior Environment Clearance for Murrum Quarry in an area of 7.17 ha. (11930 cum per annum) (Khasra No. 198), Village - Khoha, Tehsil - Raisen, Dist. Raisen (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 198), Village - Khoha, Tehsil - Raisen, Dist. Raisen (MP) 7.17 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2289 dated:

01/09/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 10.17 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 10.17 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Protection plan w.r.t. to habitation which is just in vicinity in the SE corner of the lease area. Hence, considering distance of 100 meters from the nearest house of habitation as per NGT order . Accordingly all maps should be prepared and shall be enclosed in the EIA report.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs 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”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
- CER shall also incorporate awareness/ training activities including distribution of masks, sanitizers, mass sanitization programme in the project affected villages’ w.r.t. COVID-19 pandemic.

13. Case No. – 7686/2020 M/s Tomar Builders and Contractors, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (150000 cum per annum) (Khasra No. 2), Village - Magroni, Tehsil - Berad, Dist. Shivpuri, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2), Village - Magroni, Tehsil - Berad, Dist. Shivpuri, (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 136 dated: 26/02/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 5.92 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 5.92 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Protection plan w.r.t. to pucca road at a distance of <100meters in the south west corner of the lease area.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs 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", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.

- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
- CER shall also incorporate awareness/ training activities including distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

14. Case No. – 7689/2020 Shri Lalit Rajoriya, Village and Post - Ratibad, Tehsil - Huzur, Dist. Bhopal, MP - 462030 Prior Environment Clearance for Murrum Quarry in an area of 3.930 ha. (40000 cum per annum) (Khasra No. 301, 305, 306), Village - Chhapri, Tehsil - Huzur, Dist. Bhopal, (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 301, 305, 306), Village - Chhapri, Tehsil - Huzur, Dist. Bhopal, (MP) 3.930 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 3685 dated: 14/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	>60	North – East	Set back of 40 w.r.t. NGT order dated 21.07.2020 and protection plan & no blasting is proposed. Three rows of plantation in this side.
05Trees	within lease	NW- SW	No trees felling is proposed existing within lease area
College building	>200	SE	No blasting is proposed and three rows of plantation in this side.

After presentation the committee asked to submit following details:

- Set back of 40 meters w.r.t. to NGT order.
- Copy of the land ownership documents.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 40,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.21 Lakh as capital and Rs. 3.71 Lakh/year and under CER Rs. 0.50 Lakh/ year has proposed.

15. Case No. – 7690/2020 M/s Ganpati Mining, A - 803, D.B.City, Sachin Tendulkar Marg, City Centre, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 1.521 ha. (45000 cum per annum) (Khasra No. 1929, 1930, 1931, 1932, 1933, 1934), Village - Prakash Bamhauri, Tehsil - Gaurihar, Dist. Chhatarpur, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1929, 1930, 1931, 1932, 1933, 1934), Village - Prakash Bamhauri, Tehsil - Gaurihar, Dist. Chhatarpur, (MP) 1.521 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1614 dated: 28/08/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 10.684 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 10.684 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and

thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Protection plan w.r.t. a stop dam at a distance of >200 meters.
- Copy of land agreements document.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs 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”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Cumulative Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
- CER shall also incorporate awareness/ training activities including distribution of masks, sanitizers, mass sanitization programme in the project affected villages’ w.r.t. COVID-19 pandemic.

16. Case No. – 7671/2020 Shri Ganesh Bhamar S/o Shri Bachna Bhamar, R/o Village-Kalibillod, Teshil- Depalpur, Dist. Indore, MP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (1,00,000 cum per annum) (Khasra No. 162, 163, 164), Village - Kalyankhedi, Tehsil - Dhar, Dist. Dhar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 162, 163, 164), Village - Kalyankhedi, Tehsil - Dhar, Dist. Dhar (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease’s within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 7549 dated: 11.05.2016 has reported that

there are 03 more mines operating or proposed within 500 meters around the said mine with total area of approx. 30.0ha ha., including this mine (this letter stated that there are some few sanctioned mines but area of mines and number are not given)

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 30.00 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Copy of land agreements document.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs 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”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Cumulative Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
- CER shall also incorporate awareness/ training activities including distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

17. Case No. – 7687/2020 Shri Akshay Gaud, S/o Shri Shailendra Gaud, R/o Village - Jaora, Tehsil - Jaora, Dist. Ratlam, MP – 458667 Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (60000 cum per annum) (Khasra No. 440), Village - Nandwel, Tehsil - Dalauda, Dist. Mandsaur, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 440), Village - Nandwel, Tehsil - Dalauda, Dist.

Mandsaur, (MP) 1.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 74 dated: 07/01/2017 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Wind mill	>180 & >200	NW & SW	Set back of 70 meters & 50 meters

After presentation the committee asked to submit following details:

- Revised CER as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 60,000 cum per annum .
2. A budgetary provision for Environmental management Plan of Rs. 11.40 Lakh as capital and Rs. 3.17 Lakh/year and under CER Rs. 01.80 Lakh/ year has proposed.

18. Case No. – 7712/2020 M/s Jai Bhagwati Enterprises, Partner, Shri Dilip Rathore, R/o 173/5, Ganga Colony, Dhar Road, Dist. Indore, MP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (100000 cum per annum) (Khasra No. 71/2), Village - Jalokhhiya, Tehsil - Gandhwani, Dist. Dhar, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 71/2), Village - Jalokhhiya, Tehsil - Gandhwani, Dist. Dhar, (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1677 dated: 15/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>30 &	SW	20 meters setback and Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.
Kachcha Road	15	SE	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.
Natural Drain	Just vicinity	North- East	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- PP's commitment set back of 20 meters from the pucca road .

- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, school boundary wall and traffic awareness camp.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 1,00,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 26.29 Lakh as capital and Rs. 3.08 Lakh/year and under CER Rs. 03.00 Lakh has proposed.

19. Case No. – 7681/2020 Shri Vikram Baradia, 22, Industrial Area, Dist. Katni, MP - 483501 Prior Environment Clearance for Dolomite and Soap Stone Mine in an area of 4.79 ha. (50315 cum per annum) (Khasra No. 178, 179, 180/635, 294/1), Village - Bhaganwara, Tehsil - Barwara, Dist. Katni, (MP)

This is case of Dolomite and Soap Stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 178, 179, 180/635, 294/1), Village - Bhaganwara, Tehsil - Barwara, Dist. Katni, (MP) 4.79 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 2728 dated: 01/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
02Trees	within lease	NW- SW	Existing 02 trees within lease are

			proposed felling for which PP will take permission from competent authority and 20 trees shall be additionally planted.
Human settlement	>300	North West	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.

After presentation the committee asked to submit following details:

- Justification regarding 0.3475 ha. area is broken showed on landuse details.
- Justification regarding lease is allotted to PP in the year 2009 why PP has delayed in applying for EC.
- Commitment from PP that they will take permission from competent authority before trees felling and 20 trees shall be additionally planted.
- Copy of the land ownership documents.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Dolomite and Soap Stone 50,315 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 14.26 Lakh as capital and Rs. 0.89 Lakh/year and under CER Rs. 0.90 Lakh/ year has proposed.

20. Case No. – 7707/2020 Shri Pranav Maloo S/o Shri Praveen Maloo, Near State Bank, Barapathar, Tehsil & Dist. Seoni, MP - 480661 Prior Environment Clearance for Stone Quarry in an area of 1.20 ha. (13494 cum per annum) (Khasra No. 45/1, 45/2, 46/1, 46/2), Village - Bandol, Tehsil - Seoni, Dist. Seoni, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 45/1, 45/2, 46/1, 46/2), Village - Bandol, Tehsil - Seoni, Dist. Seoni, (MP) 1.20 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 416 dated: 30/07/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.18 ha., including this mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
River	>280	NorthWest to South West	Provision of Garland drain & settling tanks.
Pucca Road	>350	South	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.

After presentation the committee asked to submit following details:

- Commitment from PP that crusher shall not be installed within lease.
- Revised CER as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 13,494 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.57 Lakh as capital and Rs. 02.10 Lakh/year and under CER Rs. 0.50 Lakh/ year has proposed.

21. Case No. – 7667/2020 Shri Deepak Sharma, Gautam Vihar Colony, Dist. Shivpuri, MP - 473551 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (99805.65 cum per annum) (Khasra No. 213/2,213/min-3, 215), Village - Dabra Dinara, Tehsil - Karera, Dist. Shivpuri (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 213/2,213/min-3, 215), Village - Dabra Dinara, Tehsil - Karera, Dist. Shivpuri (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 4886 dated: 20/12/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.9 ha., including this mine.

During presentation as per Google image based on coordinates provided by PP, it was observed that this was old excavated mine for which PP submitted that they have got the lease in this condition and have shown the pit on the surface map. within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>450 & >500	East & North	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.

The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 99805.65 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.23.11 Lakh as capital and Rs. 02.28 Lakh/year and under CSR Rs. 02.0 Lakh/year has proposed.

22. Case No. – 7725/2020 Shri Yogesh Singh Tomar, DAV Colony, Porasa Road, Tehsil - Ambah, Dist. Morena, MP - 476001 Prior Environment Clearance for Soil Deposit in an area of 1.0 ha. (3000 cum per annum) (Khasra No. 3630, 3632, 3633), Village - Thara, Tehsil - Ambah, Dist. Morena, (MP)

This is case of Soil Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3630, 3632, 3633), Village - Thara, Tehsil - Ambah, Dist. Morena, (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 572 dated: 16.09.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

The case was presented by the PP and their consultant wherein it was observed that during presentation as per Google image based on coordinates provided by PP, the lease is for two year. PP further stated that his soil query and chimmey is not going to installed on the lease area and no drilling and blasting is proposed, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>450	North	Three rows of plantation in this side.
Human settlement	>270	North	

After presentation the committee asked to submit following details:

- DFO certificate furnished 10 KM details.
- Commitment that chimmey is not going to installed on the lease are.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Soil Deposit 3,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.70 Lakh as capital and Rs. 01.43 Lakh/year and under CSR Rs. 0.90 Lakh/years has proposed.

23. Case No. – 7724/2020 M/s Rajrajeshwari Stone Crusher, Partner, Shri Pradeep Garg, Teacher Colony, Timasiya Baseri, Dist. Dholpur, Raj. – 474001 Prior Environment Clearance for Stone Quarry in an area of 4.40 ha. (171475 cum per annum) (Khasra No. 13, 15, 17, 19, 20, 21, 22), Village - Bilara, Tehsil - Tansen, Dist. Gwalior, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 13, 15, 17, 19, 20, 21, 22), Village - Bilara, Tehsil - Tansen, Dist. Gwalior, (MP) 4.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. QL-13 dated: 08.09.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that as per Google image based on coordinates provided by PP that a canal is passing in the south –west direction of the lease which is about 70 meters and a natural drain is >300 meters in the north- east direction.

The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for stone 1,71,475 cum/annum.

2. A budgetary provision for Environmental management Plan of Rs. 20.98 Lakh as capital and Rs. 02.88 Lakh/year and under CSR Rs. 02.00 Lakh/years has proposed.

24. Case No. – 7723/2020 M/s Maa Sharda Stone Crusher, Shri Ranveer Singh Yadav, Prop., A-146, Mejar Ahmad Ka Makan, Anand Nagar, Bahodapur, Dist. Gwalior, MP - 477001 Prior Environment Clearance for Stone Quarry in an area of 1.340 ha. (47549 cum per annum) (Khasra No. 1038/2, 1048/1), Village - Dimran, Tehsil - Gohad, Dist. Bhind, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1038/2, 1048/1), Village - Dimran, Tehsil - Gohad, Dist. Bhind, (MP) 1.340 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 7534 dated: 14/02/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that as per Google image based on coordinates provided by PP that two canal are passing in the south & east direction of the lease which is about 65 & >170 meters . The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for stone 47,549 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.00 Lakh as capital and Rs. 02.72 Lakh/year and under CSR Rs. 01.60 Lakh/years has proposed.

25. Case No. – 7722/2020 Shri Mukesh Sharma, Village - Kuleth, Tehsil & Dist. Gwalior, MP – 477001 Prior Environment Clearance for Flagstone Quarry in an area of 1.406 ha. (1104.60 cum per annum) (Khasra No. 504/1, 504/2, 504/3), Village - Agrabhatpura, Tehsil - Gwalior, Dist. Gwalior, (MP)

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 504/1, 504/2, 504/3), Village - Agrabhatpura, Tehsil - Gwalior, Dist. Gwalior, (MP) 1.406 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 1653 dated: 06/08/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant, wherein PP submits that since it is a Flagstone Quarry no blasting is proposed. Mining shall be through Opencast Semi Mechanized Method. As per Google image it was observed that some trees exist within lease are for which PP stated they shall be kept intact and this area shall be dealt as no- mining area.

During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
River	>200	South – East	Provision of Garland drain & settling tanks.
Human settlement	>300	South – East	No blasting is proposed.

The 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Flagstone 1104.60 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.75 Lakh as capital and Rs. 1.58 Lakh/year as recurring cost. Under CER Rs. 0.25 Lakh/ year has proposed.

26. Case No. – 7676/2020 Shri Govardhan Dangi, Niwasi- Village- Padoniya, Tehsil- Biaora, Dist.- Rajgarh, MP - 469674 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (3000 cum per annum) (Khasra No. 226/1/1/2), Village - Padoniya, Tehsil - Biaora, Dist. Rajgarh, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 226/1/1/2), Village - Padoniya, Tehsil - Biaora, Dist. Rajgarh, (MP) 1.406 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 681 dated: 29/06/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	>200	South – East	Protection plan & muffle blasting with arrangements of sand bags and three rows of plantation in this side.

After presentation the committee asked to submit following details:

- Revised plantation species as suggested during presentation.
- Revised EMP& CER as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 3,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.25 Lakh as capital and Rs. 02.92 Lakh/year and under CSR Rs. 0.40 Lakh/years has proposed.

27. Case No. – 7677/2020 Shri Dinesh Kumar Dangi, Niwasi- Village - Padoniya, Tehsil-Biaora, Dist.- Rajgarh, MP – 469678 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (2550 cum per annum) (Khasra No. 1201/1), Village - Padoniya, Tehsil - Biaora, Dist. Rajgarh, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1201/1), Village - Padoniya, Tehsil - Biaora, Dist. Rajgarh, (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 800 dated: 17.07.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	>390	North	Protection plan & muffle blasting with arrangements of sand bags and three rows of plantation in this side.

After presentation the committee asked to submit following details:

- Land agreement documents.
- Revised plantation species as suggested during presentation.
- Revised EMP & CER as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 2550 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.25 Lakh as capital and Rs. 03.82 Lakh/year and under CSR Rs. 0.40 Lakh/years has proposed.

28. Case No. – 7678/2020 Shri Shiv Prasad Dangi, Niwasi Khuri, Tehsil- Biaora, Dist.- Rajgarh, MP – 465674 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (2550 cum per annum) (Khasra No. 13/102/5, 13/106/2), Village - Katariyakhedi, Tehsil - Biaora, Dist. Rajgarh, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 13/102/5, 13/106/2), Village - Katariyakhedi, Tehsil - Biaora, Dist. Rajgarh, (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 435 dated: 11.05.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	>300	North	Protection plan & muffle blasting with arrangements of sand bags and three rows of plantation in this side.
NH-12	>500	NE	

After presentation the committee asked to submit following details:

- Revised plantation species as suggested during presentation.
- Revised EMP& CER as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 2550 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.31 Lakh as capital and Rs. 02.50 Lakh/year and under CSR Rs. 0.30Lakh/years has proposed.

29. Case No. – 7679/2020 Shri Dinesh Dangi, Niwasi- Village- Padoniya, Tehsil- Biaora, Dist.- Rajgarh,, MP – 465674 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (2550 cum per annum) (Khasra No. 183/11), Village - Padoniya, Tehsil - Biaora, Dist. Rajgarh, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 183/11), Village - Padoniya, Tehsil - Biaora, Dist. Rajgarh, (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 560 dated: 29.05.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural Drain	50	South	Provision of Garland drain & settling tanks.
Stop Dam	>500	West	

After presentation the committee asked to submit following details:

- Revised plantation species as suggested during presentation.
- Revised EMP& CER as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 2550 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.32 Lakh as capital and Rs. 03.52 Lakh/year and under CSR Rs. 0.40 Lakh/years has proposed.

30. Case No. – 7680/2020 Smt. Girja Dangi, Niwasi, Village - Padoniya, Tehsil- Biaora, Dist.- Rajgarh Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (2550 cum per annum) (Khasra No. 125/12), Village - Padoniya, Tehsil - Biaora, Dist. Rajgarh, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 125/12), Village - Padoniya, Tehsil - Biaora, Dist. Rajgarh, (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 953 dated: 25.08.2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 02.0 ha., including this mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	>500	North	Muffle blasting with arrangements of sand bags and three rows of plantation in this side.
Village road	>90 & >200	South & West	
Water body	>500	West	-

After presentation the committee asked to submit following details:

- Land agreement Document
- Revised plantation species as suggested during presentation.
- Revised EMP & CER as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 2520 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.11 Lakh as capital and Rs. 02.26 Lakh/year and under CSR Rs. 0.40 Lakh/years has proposed.

31. Case No. – 7688/2020 Shri Devisingh Dangi, Village - Shekhanpur, Tehsil - Khilchipur, Dist. Rajgarh, MP – 464679 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (4500 cum per annum) (Khasra No. 1/2, 71/2), Village - Jetpurkalan, Tehsil - Khilchipur, Dist. Rajgarh, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1/2, 71/2), Village - Jetpurkalan, Tehsil - Khilchipur, Dist. Rajgarh, (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 129 dated: 30.1.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that as per Google image based on coordinates provided by PP. within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha	>250	South	Controlled blasting with

Road			arrangements of sand bags and three rows of plantation towards road side.
Human settlement	>500	North	Protection plan & muffle blasting with arrangements of sand bags and three rows of plantation in this side.

After presentation the committee asked to submit following details:

- Revised plantation scheme.
- Revised EMP& CER as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 4500 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.50 Lakh as capital and Rs. 2.140 Lakh/year and under CER Rs. 0.40 Lakh/ year has proposed.

32. Case No. – 7672/2020 Shri Pradeep Singh, R/O Rajendra Nagar Gali No 9 P. O & Dist Satna, MP – 485001 Prior Environment Clearance for Laterite Quarry in an area of 4.946 ha. (50022 tonne per annum) (Khasra No. 3/2A,3/2B,3/2C,3/2D (P)), Village - Kathara Kothar, Tehsil - Majhgawan, Dist. Satna (MP)

This is case of Laterite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3/2A, 3/2B,3/2C,3/2D (P)), Village - Kathara Kothar, Tehsil - Majhgawan, Dist. Satna (MP) 4.946 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1724 dated: 29/08/2020 has reported that

there are 02 (Mine Closed 2008) more mines operating or proposed within 500 meters around the said mine with total area of 18.732 ha., including this mine.

The case was presented by PP and their consultant, wherein PP submits that since it is a Laterite Quarry no drilling & blasting is proposed. Mining shall be through Opencast Semi Mechanized Method. After presentation the committee asked to submit following details:

- Land agreement document.
- Revised CER as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Laterite 50,022 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.95 Lakh as capital and Rs. 1.60 Lakh/year and under CER Rs. 0.40 Lakh/ year has proposed.

33. Case No. – 7682/2020 Shri Omprakash Yadav, Village - Moya, Tehsil - Biora, Dist. Rajgarh, MP – 465666 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5088 cum per annum) (Khasra No. 173/1/2/1/2, 173/1/2/2, 174/10, 174/11/2), Village - Moya, Tehsil - Biora, Dist. Rajgarh, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 173/1/2/1/2, 173/1/2/2, 174/10, 174/11/2), Village - Moya, Tehsil - Biora, Dist. Rajgarh, (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 247 dated: 19/02/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that the as per Google image based on coordinates provided by PP

the entire lease area is surrounded by agriculture land. After presentation the committee asked to submit following details:

- Revised EMP as suggested by committee.
- Revised CER as suggested by the committee.
- Lithology of the lease area.

34. Case No. – 7706/2020 Shri Nitin Kumar Pandey, Village - Umariya (Shrinagar), Tehsil - Gotegaon, Dist. Narsinghpur Prior Environment Clearance for Stone Quarry in an area of 2.74 ha. (18957 cum per annum) (Khasra No. 24/1(P), 24/2(P), 24/3(P)), Village - Mohgaonkalan, Tehsil - Lakhnadon, Dist. Seoni, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 24/1(P), 24/2(P), 24/3(P)), Village - Mohgaonkalan, Tehsil - Lakhnadon, Dist. Seoni, (MP) 2.74 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 414 dated: 30/07/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.54 ha., including this mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>35	SW	15 meters set back and controlled blasting with arrangements of sand bags and three rows of plantation towards road side.
Natural Drain	>80 & >460	North & West	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- Revised CER as suggested during presentation.
- Revised Surface plan leaving 15 meters set back.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 18,957 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.35 Lakh as capital and Rs. 01.70 Lakh/year and under CSR Rs. 0.80 Lakh has proposed.

35. Case No. – 7683/2020 M/s Ajay Granite, Partner, Shri Dinesh Singh, Pura Jyoraha, Tehsil - Luvkuchnagar, Dist. Chhatarpur Prior Environment Clearance for Granite Quarry in an area of 1.40 ha. (50000 cum per annum) (Khasra No. 1391 (P)), Village - Didwara, Tehsil - Luvkuchnagar, Dist. Chhatarpur, (MP)

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1391 (P)), Village - Didwara, Tehsil - Luvkuchnagar, Dist. Chhatarpur, (MP) 1.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1193 dated: 03/07/2020 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 19.892 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 19.892 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued

for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Protection plan w.r.t. settlement which is >300 meters in the SE and kachha road :>30 meters and a pucca road : >150 meters .
- The project proponent shall discuss the mitigation measures provided in MoEFCCs 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”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
- CER shall also incorporate awareness/ training activities including distribution of masks, sanitizers, mass sanitization programme in the project affected villages’ w.r.t. COVID-19 pandemic.

36. Case No. – 7670/2020 Shri Rajendra Kumar Singh S/o Ram Dawan Singh, Ward No. 06, Chopan Road Parshoi Sonbhadra Obra, UP – 231219 Prior Environment Clearance for Stone Quarry in an area of 1.80 ha. (15185 cum per annum) (Khasra No. 1616, 1619, 1611, 1610/1, 1618), Village - Ramdiha, Tehsil - Chitrangi, Dist. Singrauli (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1616, 1619, 1611, 1610/1, 1618), Village - Ramdiha, Tehsil - Chitrangi, Dist. Singrauli (MP) 1.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease’s within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 199 dated: 08/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters it was observed that some isolated houses/huts are seen in the SW west corner of the lease PP has submitted that no human population is inhabit only agriculture machinery and fodder are kept in such houses/huts. Following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>52	SW	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.

After presentation the committee asked to submit following details:

- Affidavit of regarding these houses /huts are using for agriculture machinery and fodder keeping purposes.
- Revised CER as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 18,987 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.21 Lakh as capital and Rs. 03.20 Lakh/year and under CER Rs. 1.75 Lakh has proposed for 05 years.

37. Case No. – 7715/2020 M/s Shivshakti Mining, Shri Surendra Sharma, Partner, Narmada Colony, Gandhi Road, Murar, Dist. Gwalior, MP - 474006 Prior

Environment Clearance for Stone Quarry in an area of 3.330 ha. (Stone - 73686 cum per annum, Murrum - 55540 cum per annum) (Khasra No. 674, 587, 588, 589, 590), Village - Ladera, Tehsil - Dabra, Dist. Gwalior, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 674, 587, 588, 589, 590), Village - Ladera, Tehsil - Dabra, Dist. Gwalior, (MP) 3.330 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 145 dated: 08/09/2020 has reported that there are 04more mines operating or proposed within 500 meters around the said mine with total area of 12.85 ha., including this mine.

The case was presented by the PP and their consultant, PP submitted that they have collected the data of this site along with the monitoring conducted by them for another lease located in Billaua cluster. Being it's a case Stone Quarry with total area of 12.85 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Protection plan w.r.t. settlement which is >500 meters in the SE and pucca road >400 meters.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs 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", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.

- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
- CER shall also incorporate awareness/ training activities including distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

38. Case No. – 7710/2020 Shri Anshul Kothari, R/o 115, Shastri Nagar, Dist. Khandwa, MP – 450001 Prior Environment Clearance for Stone Quarry in an area of 2.070 ha. (30000 cum per annum) (Khasra No. 820), Village - Dhodwara, Tehsil - Khandwa, Dist. Khandwa, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 820), Village - Dhodwara, Tehsil - Khandwa, Dist. Khandwa, (MP) 2.070 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 629 dated: 22/07/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.97 ha., including this mine.01 mine of 4.0 hac. Has not sanctioned since Jan.2017 and not counted under cluster as per OM in July 2016.

During presentation as per Google image based on coordinates provided by PP, it was observed that this was old excavated mine for which PP submitted that they have got the lease in this condition. Within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural Drain	>200	South	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- Revised surface map showing excavated pit and volume of excavation took place.

- Pit bottom space at conceptual period of the lease.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 30,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.78 Lakh as capital and Rs. 01.73 Lakh/year and under CSR Rs. 0.30 Lakh/years has proposed.

39. Case No. – 7711/2020 Shri Radhaishayam Akhandey, Village - Khamalay, Tehsil - Khalwa, Dist. Khandwa, MP – 450001 Prior Environment Clearance for Stone Quarry in an area of 1.450 ha. (15675 cum per annum) (Khasra No. 308/1/3, 338/3), Village - Dabhia, Tehsil - Khalwa, Dist. Khandwa, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 308/1/3, 338/3), Village - Dabhia, Tehsil - Khalwa, Dist. Khandwa, (MP) 1.450 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 633 dated: 22/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
SH	>300	South	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Human	>500	South-west	Controlled blasting with

settlement			arrangements of sand bags and three rows of Plantation towards road side.
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The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 15,675 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.31 Lakh as capital and Rs. 01.43 Lakh/year and under CSR Rs. 0.30 Lakh/years has proposed.

40. Case No. – 7714/2020 M/s Gill Stone Crusher, Prop. Shri Hasanpreet Singh Gill, R/o Village & Tehsil - Obra, Dist. Sonbhadra, UP Prior Environment Clearance for Stone Quarry in an area of 1.20 ha. (9643.20 cum per annum) (Khasra No. 120, 121, 216), Village - Hardi, Tehsil - Sihawal, Dist. Sidhi, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 120, 121, 216), Village - Hardi, Tehsil - Sihawal, Dist. Sidhi, (MP) 1.20 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1246 dated: 09/12/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 1.91 ha., including this mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Underground canal	75	E	25 meters setback.

After presentation the committee asked to submit following details:

- Revised surface map showing 25 meters set back due to canal.
- Revised EMP& CER as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 9643.20 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.94 Lakh as capital and Rs. 02.12 Lakh/year and under CSR Rs. 03.25 Lakh/years has proposed.

41. Case No. – 7713/2020 Shri Arpit Mittal S/o Shri Dileep Mittal, R/o Village, Tehsil & Dist. Jhalawad, Raj. – 326001 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (8000 cum per annum) (Khasra No. 168/1/3/4P, 168/1/9/2), Village - Manpura Limboda, Tehsil - Jeerapur, Dist. Rajgarh, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 168/1/3/4P, 168/1/9/2), Village - Manpura Limboda, Tehsil - Jeerapur, Dist. Rajgarh, (MP) 1.20 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 150 dated: 06/02/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	>100	South	-
Pond	>120	East	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- Tehsildar certificate

PP has submitted the response of above quarries same date vide letter dated 29.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 8,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.94 Lakh as capital and Rs. 02.12 Lakh/year and under CSR Rs. 03.25 Lakh/years has proposed.

42. Case No. – 6502/2019 Smt. Manorma Tomar W/o Shri Devendra Singh Tomar, R/o New Colony No. 2/199, Birla Nagar, Dist. Gwalior, MP – 474004 Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (0.2 MCM per annum) (Khasra No. 134), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 134), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Ekal Praman-Patr (Collector Office) letter No. QL-251 dated: 10/04/19 has reported that there are 16 more mines operating or proposed within 500 meters around the said mine with total area of 31.511 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 400st SEAC meeting dated 31/10/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 15/9/20 which was forwarded through SEIAA vide letter no. 3305 dated 24/09/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated that This is a Stone deposit lease area is located at village – Rafadpur, Tehsil – Dabra, Gwalior District (MP.) 2.0 ha. Quarry lease area with proposed annual production of 2,00,000 cubic meters is being operated by the lessee M/s. ManormaTomar, w/o Shri Devendra Singh Tomar, R/O new Colony No. 2/199, Birla Nagar, District Gwalior, Madhya Pradesh.

Salient Features of Mines

1	Project Name	Rafadpur Stone Quarry of Smt. ManormaTomar		
2	Mine Lease Area	2 ha.		
3	Location of Mine	Villages	Rafadpur	
		Tehsil	Dabara	
		District	Gwalior	
		State	Madhya Pradesh	
4	Coordinate	GPS reading	Latitude	Longitude
		A	26° 02' 25.69" N	78° 18' 52.44" E
		B	26° 02' 25.14" N	78° 18' 52.20" E
		C	26° 02' 17.49" N	78° 18' 54.86" E
		D	26° 02' 17.61" N	78° 18' 51.62" E
5	Khasra details	134		

6	Toposheet	54J/8
7	Landuse	Revenue waste land
8	Mineral	Metal Stone
9	Geological Reserves	1.09 MCM [1097758 cum]
10	Mineable Reserve	1.09 MCM [1097758 cum]
11	Proposed Maximum Annual Production	0.20 MCM [200000 cum]
12	Validity of Lease	25.01.2019 to 24.01.2029
15	Method of Mining	Opencast Semi-Mechanized
16	No. of Working Days	300
17	Water Demand/Source	2 KLD from ground water resource.
18	Manpower requirement	23
19	Nearest Railway Station	Antri Railway Station (8 km)
20	Nearest National Highway / State Highway	NH-75 (6 km),
21	Nearest Airport	Gwalior Airport (30 km)

After presentation and deliberation, PP was asked to submit following information:

2. PP's commitment that no crusher is installed within lease.
3. Bifurcation of capital and recurring cost in the EMP budget.
4. Include budget for grazing in the EMP & CER activity.
5. Revised plantation scheme for 2400 plants.

PP vide their letter dated 23.09.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. 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 Stone Quarry in an area of 2.00 ha. 2,00,000 cubic meters per annum or (0.2 MCM per annum) (Khasra No. 134), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP), subject to the 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. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.
20. 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 2400 trees shall be planted on barrier zone, backfilled area and along the transportation route.

21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. 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.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. 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.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs. 20.165Lakh is proposed and Rs.4.033 Lakh /year as recurring expenses.
2. Under CSR activity, Rs. 3.760 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
3. 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.
4. 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.

43. **Case No. - 7523/2020 Shri Abhishek Jain, General Manager, M/s S.V. Infra Developers, First Floor, E-5/16, Commercial, Arera Colony, Bhopal (M.P.) 462038. Prior Environment Clearance for “Premier Orchard “ Project Total Plot Area - 85660 sqm., Total Built-up Area – 74704.89 sqm at Khasra No. 6/1, 6/2, Village - Raslakheri, Tehsil - Huzur & Dist. - Bhopal (M.P.) Env Consultant : In Situ Enviro Care, Bhopal (M.P.).**

This is case of Environment Clearance for “Premier Orchard “ Project Total Plot Area - 85660 sqm., Total Built-up Area – 74704.89 sqm at Khasra No. 6/1, 6/2, Village - Raslakheri, Tehsil - Huzur & Dist. - Bhopal (M.P.).

Earlier this case was scheduled for presentation and discussion in 456st SEAC meeting dated 17/09/2020 wherein ToR (Violation) was recommended.

PP has submitted the EIA report vide letter dated 23.09.2020 which was forwarded through SEIAA vide letter no. 3243 dated 23.09.2020 which was placed before the committee.

The EIA was presented by PP and their consultant. During presentation PP submits the following salient features of this project:

SALIENT FEATURES OF PROJECT

S. No.	Items	Details
1	Type of Building	Residential
2	Total plot area	85.660 m ²
3	Deduct-able area (Area of land under 24.0 m road)	7,334.38 m ²
4	Net Scheme Area	78,325.62 m ²
5	Ground Coverage Details	Permissible Ground Coverage (30% of net plot area) = 328.38 m ² Proposed Ground Coverage: 328.38 m ² (30%) LIG & EWS Area: 2,410.56 m ² (3.08%)
6	Service Area	Service area= 783.25 m ²
7	FAR + Non- FAR details	74,704.89 m ² (FAR + Non-FAR)
8	Total Built-up area	74,704.89 m ² (FAR + Non-FAR)
9	Total open area	7,832.56 m ² (10% of net plot area)
10	Road and internal circulation space/ Paved area	20,321.32 m ² (25.94% of net plot area)
11	Landscape	7,832.56 m ² (10% of net plot area)
Present Built-up Area Status of the Proposed Project		
1	Total Proposed Built-up Area	74704.89 m ² (100%)
2	Till Date Constructed Area	67234.40 m ² (90%)
3	Construction to be done	7470.49 m ² (10%)

PARKING DETAILS

Required Parking	
PARKING REQUIRED FOR SHOPS 656.787/50	13 NOS.
PARKING REQUIRED FOR FLATS 1094.63X 1.25	= 1368.28
	- 656.78
	711.50
	711.50/100 = 08 NOS.
TOTAL REQUIRED CAR PARKING	21 NOS.
PROVISIONS FOR PARKING:	
2- BASEMENTS @ 35 2 X 328.38/35	18 NOS.
OPEN @ 25 75/25	3 NOS.
	21 NOS.

WATER DEMAND

S. No.	Item Description	Residential
1	Domestic Water Requirement	315.0 KLD
2	Flushing Water Requirement	158.0 KLD
3	Landscaping & other uses	59.0 KLD
4	Total Water Demand	532.0 KLD
5	STP Capacity	On 100% Load 450.0 KLD (250.0 KLD+200.0 KLD)
6	Available Treated Water through STP	383.0 KLD
7	Used Treated Water	217.0 KLD
8	Extra Treated Water	166.0 KLD

383 KLD will be the total wastewater generated, which will be treated in the MBBR based STP of 450 KLD. Two STP with capacity of 200.0 KLD and 250.0 KLD are being developed in the proposed project premises which is more than required. Extra treated water of 166.0 KLD will be drained to sewer line of BMC and required permission has been obtained from BMC.

RAINWATER HARVESTING

S. No.	Description	Area Considered in m ²	Rainfall Intensity (m/annum)	Runoff Coefficient	Total volume of water for RWH (m ³ /annum)
Water Sources Development-Rainwater Harvesting (Pre-construction)					
1	Open Area (Consider Total Plot Area)	85660	1.146	0.2	19,633.27
Water Sources Development-Rainwater Harvesting (Post-construction)					
1	Roof Top Rainwater Harvesting				39,076.40
2	Road and Paved Runoff Rainwater Harvesting				15,244.99
3	Greenbelt Area Rainwater harvesting				1,174.88
Total					55,492.28

Total ground water recharge would be 55,492.28 m³/annum. Proposed recharge potential to be created by the project would improve ground water regime of the area and would contribute to positive groundwater environment. We have proposed 10 No. of RWH pits of 15.0 cum each recharge capacity.

After presentation and deliberation, it was observed by the committee that the remediation's plan and natural community resource augmentation plan submitted by PP needs to be revised.

Vide letter dated 29.09.2020 PP submitted the revised remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee, with the supported by documentary proofs, such as bills, CA audit, certificates, photographs, prescribed various undertakings and CER.

REMEDICATION & NATURAL AUGMENTATION PLAN

Sl. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	

Sl. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	
1.	Land use as per Approved Master Plan by TNCP, Bhopal	Broken land is as per master plan approved by T&CP (enclosed land use area breakup & Undertaking as Annexure) NO VIOLATION	-	-	Project Capital Cost	30,00,000.00	--	<p>Old T & CP 723/L.P.83/29/GKA/NAG RANI/2010-11 Dated 25/04/2011</p> <p>Revised T & CP Letter No. bpllp-2110/lp-83/29(3)/Na.Gra.Ni./GKA/2011 dated 10/04/2017 (attached as Annexures)</p>
2	Environmental Sensitive Places, Land Acquisition Status, Resettlement & rehabilitation	Land is in possession of Premier Orchard land revenue record No R & R Applicable NO VIOLATION	-	-	Land is in possession of S. V. Infra Developers. All land records is enclosed with our EC Application.	-	-	
3	Baseline Environmental Quality (2012-17)	All the parameters are in the comfort zone in one season EIA study Monitoring data from 2012-17 is pending @ 30000/ year * 5 Years (2 Air, 2 Noise, 1 water)	--	1,50,000.00 (amount may be proposed for additional plantation or as per the suggestions of SEAC/SEIAA)	-	-	30,000.00	We have done EIA study. All baseline data results are found satisfactory
4	A) Land	Total land area 85660.00 sq.mt. , & Built Up Area - 74704.89 Sq.mt. , Excavated material = 148162.47 Cu.m. (3 M depth) Top Soil =	-	-	Land is in possession of S. V. Infra Developers. All land records is enclosed with our	-	-	No Violation

SI. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	
		49387.49 Cu.m. (1 M depth) Total quantity of topsoil has been used for the development of 7832.56 sq.mt. of landscaping area.			EC Application.			
	B) Ground Water	No new ground bore well is done for construction purpose.	--	--	Not applicable, till date no bore well for ground water tapping is proposed.	--	--	NO VIOLATION
	C) Surface water	Not applicable, No Water body exist within the project lease area	--	--	Not applicable	--	--	NO VIOLATION
	D) Air	Water sprinkling had been done as per terms & condition of the work order agreements (10 water tankers/day)	--	--	Construction period = 5 years, Working Day = 1000 day Per day water requirement = 30 KLD (10 Tanker @ 167/ tanker water cost)	--	16,73,630.00	As per contract All bills submitting in hard copies to SEAC. (attached as Annexure)
	E) Biodiversity	NOT APPLICABLE	--	--	NOT APPLICABLE	---	--	We have not created any change in the biodiversity of the area.
	f) Noise & Vibration	Site is fully barricaded; all modern and new machinery was	--	--	Site Barricading material Sheet,	14,06,375.00	--	Bills submitted in hard copies. (attached as Annexure)

SI. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	
		used on site.)			Pipe & Fabrication			
	g) Socio economy & Health	-	-	-	-	-		Done in EIA study
	g.a. Occupational Health checkup for 30 Workers	Initial Medical Examination (IME) for 30 workers Deployed on site.30X800X5)	--	1,20,000.00 (amount may be proposed for additional plantation or as per the suggestions of SEAC/SEIAA)	Initial Medical Examination (IME) for 30 workers deployed on Site. (800 Rs/worker s) for a year.	-	24,000.00	Total Calculated value for occupational health and check-up, PPE's have been covered under remedial cost
	g.b. Personal Protection Equipment's	All PPE's distribution to the laborers and staff are under contractor's scope. 30X1200)		36,000.00 (amount may be proposed for additional plantation or as per the suggestions of SEAC/SEIAA)	Helmet, Jackets, hand gloves & Boots will be Provide to 30 Workers for remaining 10% construction work.	30,000	5,000.00	
	g. c. Shelter and Sanitation for 30 workers	Temporary shelter & Mobile toilet has been provided to the workers	--	--	Provision of Temporary shelter & Mobile toilet will be extended	13,05,131.00	-	No Violation

Sl. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	
					in numbers during the time of construction for 30 workers			
5	Contour Plan With slopes, Drainages pattern of the site and surrounding area any obstruction of the same by the projects.	No conversion is done in storm water drainage pattern on site	-	-	--	-	-	No Violation
6	Tree Felling	--			No tree felling is proposed.			No tree felling is proposed.
57	Tree plantation	Total 300 trees planted & development of landscaping area (300 trees @Rs. 500+landscaping development)	--	-	All type of landscaping development & maintenance including tree cost	37,98,484.00	2,97,680.00	All landscaping & Plantation work have been completed
8	Permission for forest Land	NOT APPLICABLE	-	-	NOT APPLICABLE	-	-	No forest area is involved in this project.
9	Environment policy	Policy is part of Terms & Condition of mutual Agreement	-	-	-	-	-	Policy is part of Terms & Condition of mutual Agreement
10	Ground Water Classification	At construction phase no ground water has been used.	-	-	At construction phase no ground water has been used,	--	--	No violation

Sl. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	
1 1	Source of Water	A – Construction Phase	--	--	--	--	--	During Construction phase we have used Water Tanker supply.
		B – Operational Phase	--	--	--	--	--	Water supply permission vide letter no. 2/S.Yantri/Jalkarya/Zone 17/N.Ni. Bhopal dated 29/07/2020. (attached as Annexure)
1 2	Source of Waste Water Treatment	450 KLD (250 + 200 KLD) STP installed.	--	--	450 KLD (250 + 200 KLD) – Rs. 1800000.00 for civil construction (Labor & Material Cost) 2761131.00 for mechanical installations.	45,61,131.00	3,50,000.00	Balance Sheet & Sample Bills are attached as Annexure. Installation in final stage.
1 3	Dual Plumbing	Dual Plumbing for 90% of constructed area has been completed.	--	--	Dual Plumbing for 90% of constructed area has been completed.	22,54,691.00	1,25,000.00	Balance Sheet & Sample Bills are attached as Annexure.
1 2	Rain Water Harvesting	10 No. Rain water harvesting pit of 15 cum. Each capacity has been constructed for the project.	--	--	Total 10 nos. of pits have been constructed on site for operational phase	14,24,806.00	50,000.00	--
1 3	Soil Characteristics	Total land area 85,660.00 sq.mt.,	--	--	4 m depth of rain	--	--	NO VIOLATION

Sl. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	
	& Ground Water Table Top Soil Conservation	& Built Up Area – 74,704.89 Sq.mt. , Excavated material = 14,8162.47 Cu.m. (3 M depth) Top Soil = 49,387.49 Cu.m. (1 M depth) Total quantity of topsoil has been used for the development of 7,832.56 sq.mt. of landscaping area.			water harvesting pits have been proposed, Quality of top soil & costing of its disposal			
14	Solid Waste Generation Treatment	All the construction waste has been reused for the filling of the low-lying project area.	1,00,000.00	--	Solid Waste will be reused in proposed boundary wall & stone pitching to reduce RCC work on site	8,80,789.00	--	MSW NOC is attached with hard copy reply. Vide letter no. 2/SWA.V./2020 dated 24/07/2020 (attached as Annexure)
		Permission for Disposal of Solid waste from BMC obtained from 2020	--	--	Street garbage shall be controlled segregated transferred, and disposed off by Nagar Nigam Bhopal.	--	--	
15	Energy conservation &	Solar light proposed 15 KW	7,50,000.00	--	Provision for	26,25,005.00	25,000.00	We have proposed Solar Power of 15 KW.

Sl. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	
	Energy Efficiency (LED bulb & Solar System)				External Lighting including solar panels for streets lighting & common areas and LED light for commercial unit			
16	D G Sets	Till date RMC has been used for construction.	-	-	-	--	--	We have not used DG set in our construction phase. (RMC bills attached as Annexure)
17	Parking & Roads	Approach road already exists sufficient space for Parking	-	-	Development of Open Parking & Other Services -	52,83,218.00	50,000.00	All adequate parking facilities have been provided as per T&CP norms.
18	Transportation of materials for construction	Till date 90% construction have been done.	--	50,000.00 (amount may be proposed for additional plantation or as per the suggestions of SEAC/SEIAA)	Storage hall/service yard will be for materials stacking during further 10% construction.	--	--	Some miscellaneous transportation work had not been done in appropriate manner. We are proposing some rounded amount in our remediation cost.
19	Disaster Management Plan	-	-	-	Centralized control room with ERP system	--	--	--

Sl. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	
	a) Fire	Machines were equipped with their fire extinguishing equipments. Till date we have proposed fire provisions for our 1 No. G+5 Residential Block which is under process.	3,50,000 (amount may be proposed for fire machinery installation)	--	Firefighting organizing and arrangement: External fire hydrant system, hose pipes, pumps with control panel, overhead tanks, first aid, fire extinguishers, sand buckets, Manual and automatic fire alarm, main security room etc.	--	50,000	All fire & safety facilities & Fire Tender Movement have been provided for our 1 No. G+5 Residential Block & entire project area.
	b) Accidental & First aid etc.	First aid kit & room provided on site, enclosed photos No accident or injury is reported during the earlier construction period (30 LabourX@Rs.500/ Checkup X 2 time in a year X for 5 years).	1,00,000.00	--	First aid kit for worker's safety on site	--	30,000.00	
	c) Safety	All loading machines,	50,000.00	-	All loading machines,	--	--	-

Sl. No.	Environmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost (INR)	Recurring Cost (per annum)	
		dumpers & Equipments will be deployed as per safety norms mentioned in Agreement.			dumpers & Equipments will be deployed as per safety norms mentioned in Agreement.			
			13,50,000/-	3,56,000	--	2,35,69,630.00	27,10,310.00	
	Total Capital cost for Remedial Plan		Say	13.50 Lakh	Total capital cost for EMP	Say	235.69 Lakh	
	Total recurring cost for Remedial Plan		Say	3.56 Lakh	Total Recurring Cost for EMP	Say	27.10 Lakh	
	Total Remediation Cost		17.06 Lakhs		Total EMP Cost	262.79 Lakhs		

CORPORATE ENVIRONMENT RESPONSIBILITY

Corporate Environment Responsibility (CER) Budget Allocation as per OM F.No.22-65/2017-IA.III dated 1st May 2018 by MoEF&CC

CER activities as per notifications	Implementation area	Proposed Budget for CER
Infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, electrification including solar power, solid waste management facilities, avenue plantation etc.	Schools & Colleges of city and adjacent villages.	We have proposed 2% of the project capital cost (INR 30.00 Lakh) which is approx. 0.60 Lakh.

Thus, as above, PP has proposed Rs. 279.85 Lakh (Rs. 17.06 Lakh as Remediation Cost and Rs. 262.79 Lakhs as EMP) for this project and PP, M/s S.V. Infra Developers, E-5/16, 1st Floor, Commercial Complex, Arera Colony, District Bhopal (MP)-462016 has proposed to submit bank guarantee of INR Rs. 17,06 Lakhs- towards Remediation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs.17.06 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

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 Environment Clearance for approval of Group Housing Project "Premier Orchard" Total plot area 85,660sqm (Built-up area 74,704.89 sqm (including FAR+Non-FAR area)) at Khasra No. 6/1& 6/2 at Village - Raslakhedi, Tehsil- Huzur, District - Bhopal (MP) For - Building Construction Project Category: 8(a), subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. 17.06 Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board, with following additional conditions:

Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. 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.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. 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.

- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets (1 X 8.0 KVA & 1 X 62.5 KVA) proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.

- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG set (1 X 8.0 KVA & 1 X 62.5 KVA) shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 532 KLD out of which 314.43 KLD is fresh water requirement, 157.88 KLD for Flushing water requirement and 59.16 KLD for Landscaping & Misc. purpose. 383 KLD will be the total treated/recycled water generated. 217 KLD treated water will be used for flushing and for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.

- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 7,000 square meter of built up area and storage capacity of minimum one day of total fire water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 10 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 152 m³ /hr . Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xviii. Sewage shall be treated in the STP based on MBBR based technology Total Capacity – 450 KLD (Two STP with capacity of 200.0 KLD and 250.0 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xix. The waste water generated from the project shall be treated in STP of 450 KLD capacity (Two STP with capacity of 200.0 KLD and 250.0 KLD based on MBBR based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xx. No sewage or untreated effluent water would be discharged through storm water drains.
- xxi. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.

- xxii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy Conservation measures like installation of CFLs/LED's for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Waste Management

- xi. Total waste 1439 Kg/day, this consist all types of wastes , Bio-degradable waste- 791.5 Kg/day, Non- bio-degradable waste- 647.6 horticulture waste nil Kg/day, E- waste about nil Kg/Annum , and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.

- xii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- xiii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- xiv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- xv. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- xvi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- xvii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- xviii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- xix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- xx. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i. Total 300 trees shall be planted in the area of 7,832.56 sq. mt. which is developed as greenbelt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

- iv. 7,832.56 sq meters of area shall be provided for green belt development as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.
- vi. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - f. Traffic calming measures.
 - g. Proper design of entry and exit points
 - h. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total Parking's provided for Individual plot owners – 608 Nos., 92 Nos. Open Parking for EWS/LIG, 21 Nos. for Shops cum residential Parking & 70 additional open parking including 2 wheeler parking.
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. 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 balance 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 reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. 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.
- v. PP M/s S. V. Infra Developers, E-5/16, 1st Floor, Commercial Complex, Arera Colony, District Bhopal (MP)-462016 has proposed Rs. 279.85 Lakhs (Rs. 17.06 Lakhs as Remediation Cost and Rs. 262.79 as EMP) for this project and PP, M/s S. V. Infra Developers, E-5/16, 1st Floor,

Commercial Complex, Arera Colony, District Bhopal (MP)-462016 has proposed to submit bank guarantee of INR Rs. 17.06 Lakhs towards Remediation Plan.

- vi. The PP M/s S. V. Infra Developers, E-5/16, 1st Floor, Commercial Complex, Arera Colony, District Bhopal (MP)-462016 has proposed to submit bank guarantee of INR 17.06 towards Remediation Plan and Natural & Community Resource Augmentation Plan.
- vii. For this project PP has proposed Rs 0.60 Lakh as Corporate Environment Responsibility (CER).

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. 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 State Expert Appraisal Committee (SEAC)
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. 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.
- v. 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.

44. Case No. – 7666/2019 M/s Maheshwar Rolling Mills (P) Ltd, Opp. Officers Mess, Gole Ka Mandir, Dist. Gwalior, MP – 474005 Prior Environment Clearance for Proposed Rolling Mill at Plot No. B-54, B-55, Industrial Area, Banmore, Dist. Morena, (MP)

This is case of Environment Clearance for Proposed Rolling Mill at Plot No. B-54, B-55, Industrial Area, Banmore, Dist. Morena, (MP).

Earlier this case was scheduled for presentation and discussion in 457st SEAC meeting dated 18/09/20 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 25- 09-20.. which was forwarded through SEIAA vide letter no. 3370-71/SEIAA/20 dated 26- 09-20, which was placed before the committee.

The case was presented by PP and their consultant wherein during presentation PP has stated that they have received auto TOR from SEIAA (Parivesh Portal). PP submitted that the EIA has been prepared by Environmental Consultant M/s Creative Enviro Services, Bhopal in association with M/s. Insitu Enviro Care, Bhopal. PP started presentation with background/chronology of the project as –

- M/s. Maheshwar Rolling Mills Pvt. Ltd. Company is a newly formed Pvt. Ltd. Company incorporated in the state of M.P. vide Certificate of Incorporation No.U27100MP2018PTC046587 dated 19.09.2018. The company is setting up a new project of Rolling Mills at B-54, B-55, Industrial Area, Banmore, Distt. Morena.
- M/s Maheshwar Rolling Mills Pvt. Ltd. Proposed Rolling Mill Unit of M/s Maheshwar Rolling Mills Pvt. Ltd. Total Production capacity of TMT Bars = 90,000 MTPA at Industrial Area Banmore, Morena (M.P.)
- The project area is about 30362.45 Sq. Mt. (3.03 Hect.).
- The facilities proposed in the project include two new induction furnaces having melting capacity of 15.0 Ton each in 2 phases.
- The proposed establishment of rolling mill unit is covered under the Schedule 3(a) “Metallurgical Industries” of Environmental Impact Assessment (EIA) Notification 2006 & its further amendments.
- The project is a Category ‘B1’ project according to the notification SO. 1533(E) dated 14th September 2006 and its amendment to till date, which requires preparation of EIA Report and environmental clearance from the Ministry of Environment and Forests & Climate Change (MoEF&CC), Government of India.
- The proposed project will provide employment to about 40 persons in each shift (40 X 3 Shift) directly & indirectly.
- The facilities proposed in the project include two new induction furnaces having melting capacity of 15.0 Ton each in 2 phases.

PP further submitted that the proposed project is Greenfield and proposing production of TMT Bars with capacity of 90,000 MTPA in 2 Phases. After presentation and deliberation the PP was asked to submit following information:

1. Revised Quantity of Waste & Analysis of Slag.
2. Details of Air Pollution Control Devices.

3. Details of Silico Manganese.

The vide letter dated 29/09/2020 submitted the reply of the above query. The query reply was presented before the committee which were found satisfactory and acceptable and other details of the projects which were found satisfactory and acceptable hence the case was recommended for grant of prior EC for Proposed Rolling Mill at Plot No. B-54, B-55, Industrial Area, Banmore, Dist. Morena, (MP) by M/s Maheshwar Rolling Mills (P) Ltd, Opp. Officers Mess, Gole Ka Mandir, Dist. Gwalior, MP – 474005, Category: 3(a) Metallurgical Industries (Ferrous & Non Ferrous) with subject to the following special conditions:

A. Statutory compliance:

- I. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- II. 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.
- III. The project proponent shall obtain consent/authorization from MP Pollution Control Board.

B. Air quality monitoring and preservation

- I. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015(Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- II. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories
- III. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released e.g. PM10 and PM2.5 in reference to PM emission, and SO₂ and NO_x in reference to

SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

- IV. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality I fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report.
- V. Appropriate Air Pollution Control (APC) system such as Bag filters (reverse pulse jet cleaning) shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- VI. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- VII. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly. All the internal roads shall be made pucca.
- VIII. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
- IX. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- X. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- XI. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- XII. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, oil, cellars.

C. Water quality monitoring and preservation

- I. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.

- II. The project proponent shall submit monthly summary report of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- III. Adhere to 'Zero Liquid Discharge'.
- IV. Sewage Treatment Plant (15KLD) shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- V. The treated water from STP shall be used for gardening and spraying of roads.
- VI. The project proponent shall practice rainwater harvesting to maximum possible extent, rain water therefore can be conserved within the plant.
- VII. Permission of CGWB shall be obtained for drawl of ground water.

D. Noise monitoring and prevention

- I. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- II. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

E. Energy Conservation measures

- I. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- II. Practice hot charging of slabs and billets/blooms as far as possible.
- III. Ensure installation of regenerative type burners on all reheating furnaces.
- IV. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- V. For this project Electrical Power 20,000 KVA shall be met by Madhya Pradesh Vidyut Vitran Company Limited.
- VI. Provide the project proponent for LED lights in their offices and residential areas.
- VII. One D.G. set of 500 KVA, for power back up for Office use, and company will install solar panel for lightening the street light in premises.

F. Waste management

- I. Proposed quantity of 8.0 MTPA of Fly Ash will be produced during process which shall be managed through pollution control device and to be disposed as per HW Rules 2016.

- II. Proposed quantity of 1800 TPA furnace Slag produced during process which shall be managed through installed iron recovery unit from slag and the recovered iron is being used with scrap to charge in induction furnace. The remaining part is being used for civil work & bricks manufacturing after TCLD test and approval from the MP Pollution Control Board.
- III. The waste/spent oil& other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- IV. Used refractories shall be recycled as far as possible.
- V. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces.

G. Green Belt

- I. Green belt shall be developed in 13,589.5 sqm area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant with minimum three row plantation towards the road and village side.
- II. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

H. Public hearing and Human health issues

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- III. Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- IV. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

I. Corporate Environment Responsibility

- I. In the proposed EMP, Rs. 147.00 Lakh as capital cost for the project and Rs. 62.44 Lakh /year has proposed as recurring expenses.

- II. Under CSR Rs. 33.76 Lakh/ year proposed for Infrastructure development through nearby village Panchayat, Health Checkup Camps in panchayat including eye camps etc.
- III. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1stMay 2018, as applicable, regarding Corporate Environment Responsibility.
- IV. 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.
- V. 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.
- VI. 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.
- VII. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- VIII. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

J. Miscellaneous

- I. For Fire Protection System, fire water pumps of 5 H.P. Capacity shall be provided by PP.
- II. AC motor driven fire water pumps for hydrant, medium velocity water spray system and foam system and Jackey pump 1 no. (AC motor driven) for maintaining pressure shall be provided.
- III. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the

projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

- IV. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
- V. 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.
- VI. 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).
- VII. 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.
- VIII. 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.

45. Case No 7590/2020 M/s Shri Sanjay Lunawat, Village - Bhatedi, Tehsil - Mhow, Dist. Indore, MP Prior Environment Clearance for Area Development Project "Lunawat Cosmos" (Total Plot Area = 598420.0 sqm, Total Proposed Built-up Area = 80455.00 sqm) at Village -Bhatkhedi, Tehsil and District Indore (MP)

This is case of Environment Clearance for Area Development Project "Lunawat Cosmos" (Total Plot Area = 598420.0 sqm, Total Proposed Built-up Area = 80455.00 sqm) at Village - Bhatkhedi, Tehsil and District Indore (MP).

Earlier this case was scheduled for presentation and discussion in 457st SEAC meeting dated 18/09/20 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 07.09.2020 which was forwarded through SEIAA vide letter no. 3273 dated 24.09. 2020 , which was placed before the committee.

The EIA was presented by the PP and their consultant and during presentation following details were provided.

- Master Plan approved by Directorate of Town and Country Planning, Madhya Pradesh on dated 15.09.2015
- Construction was started on December 2015.

Chronology:

Proposal submitted to SEIAA	EDS by SEIAA	Submission of EDS	Accepted by SEIAA	Hardcopy submission	SEAC Agenda
24/08/2017	24/04/2018 29/12/2018 21/05/2019	19/12/2018 15/05/2019 07/09/2020	09/09/2020	N/A	N/A

After presentation and deliberation it was observed by the committee that the remediation's plan and natural community resource augmentation plan submitted by PP needs to be revised as follows:

1. Revised CER and it should be proportionate with the project cost as per O.M dated 01/05/2018.

PP vide their letter dated 29.09.2020 the remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee.

The revised plan submitted by PP is as follows-

S. No.	Environmental Factors /Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost	
1	Land use as per approved Master plan by T&CP, Bhopal							

	Construction Phase	No Violation			--	--	--	Land use of the project site was Residential as per Indore Master Plan 2005 attached Annexure - II
	Operation Phase	No Violation			--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							
	Construction Phase	No Violation			--	--	--	Project involves no R&R issues. The Project is on joint Venture. Joint Venture Papers are attached. Annexure III
	Operation Phase	No Violation			--	--	--	
3	Baseline Environment Monitoring							
	Construction Phase	For monitoring of air, water, soil & noise every six month for period of two years 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @	4,41,600		For monitoring of air, water, soil & noise every six month 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @	NA		No environment monitoring was done at site on initial starting of the project since the project began in 2013. Hence 2013-14, 2014-15, 2015-16, 2016-17, 2017-18&

		1000/sample 4. Soil: 2 sample @ 4000/sample			5000/sa mple, 7500/sa mple 3. Noise: 2 sample @ 1000/sa mple, DG set 2 sample @ 1000/sa mple 4. Soil: 2 sample @ 4000/sa mple			2019- 2020. This remediati on plan is of 5 years. The Remediati on plan of Rs. 3,78,000 will be spent inside the project premises or outside the premises of the project in Plantation /Env Monitorin g
	Operati on Phase	For monitoring of air, water, soil & noise every six month for period of five years 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @ 5000/sample, 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample	NA	NA	For monitor ing of air, water, soil & noise every six month 1. Water: 2 GW sample @ 5000/sa mple 2. Air: 2 Sample @ 5000/sa mple, DG 1	NA	1,50,000	

		4. Soil: 2 sample @ 4000/sample			sample @ 5000/sample 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			
Air Environment								
4	Construction Phase	Water sprinkling	Water sprinkling is done as per terms & conditions of the work order agreement (3 water tractors/day) enclosed with bill as (Annexure-VI) & Barricading is on site done and exist, enclosed photograph as Annexure-VII)		Construction period= 4 years, working day= 800 day, Per day water requirement= 12000 KLD @ 320/ tanker	7,68,000	--	All bills submitted in hard copies to SEAC
		Container for Storage of raw material	Storage hall/Service Yard (Size- 35mx25m) was provided during construction phase for materials stacking	No Violation	--	INR 10,80,000	INR 8400	All bills submitted in hard copies to SEAC
		Green Nets for covering building @ Rs 3/Sqm	1,70,986		--	--	--	Proof is not available, therefore cost is taken in

								Remediation Cost
		Barricading of construction area	Site was fully barricaded (Annexure-VIII). All modern and new machinery was used on site. NO VIOLATION	Site boundary constructed	Construction is completed now. Project is in operational phase.	14,97,600	--	Bills submitted in hard copies
		Helmets, jackets, hand gloves & boots has been provided to the workers, enclosed Bill receipt as (Annexure-IX)			--	INR 26,58,474	--	Photographs & ledger accounts are attached for the reference
		Vehicle Inspection @ 15,000/year for 4 years	60,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	DG sets 250 kVA. With prevention of combustion fumes. Acoustic encloser and stack height has been provided as per CPCB Norms				INR 15,00,000	INR Annual maintenance @27438	Maintenance of 1 no. of DG set/year through AMC @ 22,865/year
5	Waste Environment							

	Construction Phase	150 Dustbin @ Rs 200/each	30,000		--	2,60,400	--	Proof is not available, therefore cost is taken in Remediation Cost
		Safety tapes for barricading the waste	40,000		--	--	--	
		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1000/month	24,000		--	--	--	
	Operation Phase	15 Dustbin @ Rs 300/each	4,500		Agency fee for collection & disposal Solid waste @ Rs. 100/month	1,80,000		MUNICIPAL CORPORATION NOC ATTACHED FEES IS INCLUSIVE OF PROPERTY TAX also NOC Attached of MSW Disposing ANNEXURE - V
		Agency fee for collection & disposal Municipal Solid waste		50,000		--	14,400	
		STP sludge disposal	No Violation	No Violation	STP sludge disposal	Will be used as manure	--	Sludge is being used for landscaping purpose.
6	Water Environment							
	Construction Phase	Ground water abstraction	No ground bore well is done. NO VIOLATION (Under Taking annexure V)		NA	Not applicable, till date no bore well for ground	NA	For operational phase builder has arranged water

						water tapping is proposed for construction.		from tankers on daily bases bills are attached for further reference. Photographs are attached herewith for your reference
		Construction of Toilets	Temporary shelter & toilets has been provided to workers enclosed pics as (Annexure-X)	No Violation	NA	10,27,495	NA	Bills submitted in hard copies.
		STP & Dual Plumbing installation of 550 KLD	Water Demand is being fulfilled by Municipal Water Supply Sewage Water is treating in 500 KLD STP and Recycled and reuse for Greenbelt, Flushing purposes.dual plumbing is done and operational.	No Violation	NA	INR 45,00,000(STP)+ 28,03,243 (Dual plumbing)= 73,03,243		We have already obtained municipal water supply permission which is attached for reference.
		Construction of 8 RWH	32 nos of rain water harvesting has been provided. NO Violation	No Violation	NA	INR 53,66,400		32 RWH pits are constructed & CGWB compliance to be done.
	Operation Phase	Abstraction of Ground water	No Violation	No Violation	NA	NA	NA	Water is being supplied through Municipal Supply. NOC is attached

								as Annexure VII
		STP & Dual Plumbing AMC & Maintainance of 500 KLD	No Violation	No Violation	STP operation and maintenance @ Rs 45,000/month	NA	INR 6,81,688 (STP AMC @ 45000rs/month)+ 1,68,389 (Dual plumbing) = 8,50,077.	STP is FULL functional . Photos of STP Attached Annexure VIII
		Maintenance and cleaning of RWH system	No Violation	No Violation	Maintenance and cleaning of RWH system @ Rs 32,000/twice in a year	NA	INR 38,400 (Recurring cost for the maintenance of RWH pits.)	Bills are Submitted .
		Cleaning and maintenance of water network @ Rs 1,00,000/twice in a year	No Violation	No Violation	Cleaning and maintenance of water network @ Rs 1,00,000/twice in a year	NA	2,00,000	
7	Occupational Health and Safety of construction worker							
	Construction Phase	First aid kit at site	50,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labor	50,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor	50,000		--	--	--	
	Operati	--			--	--	--	

	on Phase							
8	Ecology Environment							
	Constr uction Phase	Cutting of Trees	No Tree Falling done No Violation	No Violatio n	--	--	--	No tree was felled. No tree was present on the land. Attached affidavit Annexure - I
		Development of Green Area	Total 300 trees planted during construction. Species wise and location wise inventory enclosed as (Annexure- XIII)			INR 9,14,775	INR 2,28,655	Green area will be developed in the project site. Plantation photos attached Annexure - IX
	Operati on Phase	Maintenance of green area for 1 years after plantation	No violation	No Violatio n	Maint enan ce of green area for @ 2,40, 000/a nnum	--	12,88,000	Gardner is allocated for maintena nce of landscape .
9	Soil Environment							
	Constr uction Phase	Soil characteristics are as per baseline environmental data. Total land area 5,98,420 sqm, ground coverage @ 30%= 1,79,526 Sq.M, excavated	No violation as entire top soil was used in garden and back filling of plinth area.		NA	INR 6,76,618		Ledger accounts are submitted in hard copies.

		material= 5,38,578 cum, total quantity of topsoil have been used for the development of garden area which is 59842 Sqm i.e. 10.0 % of total plot area.						
	Operati on Phase	--			--	--	--	
10	Noise Environment							
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operati on Phase	Replacement of Vibration pads of DG set (once in five years)	1,50,000		Replace ment of Vibratio n pads of DG set			Five years not complete d yet. Hence cost is not taken in remediation cost
11	Energy Conservation							
	Constr uction Phase	--			--	--	--	
	Operati on Phase	Installation of LED	No Violation		--	INR 11,48,377	INR 2,27,560 (This amount has been incurred for the maintenance point of view.)	Proof is available photographs attached ANNEXURE XI
		Solar Panel						This is

			INR 5,00,000					taken as remediati on cost.
12	Transportation of Trucks							
	Constr uction Phase	Tarpaulin covers for trucks						Proof is not available. Thus 50,000 are used in remediati on cost.
	Operati on	--				--	--	
13	Disaster Management Plan							
		Earthquake resistant structure	No Violati on	No Violation	--	--	--	Already included in cost of project
	Constr uction Phase	Fire fighting system	Machi nes were equipp ed with their fire exting uishin g equip ment. Only base earth excava tion work is done for 70 days, enclos ed as per	No Violation		INR 31,13,193	I INR 2,37,000	Fire NOC is obtained which is attached as Annexure XII.

			(Anne xure- XVIII) NO VIOLA TION Fire Fightin g Organi zing and Arrang ement : Extern al fire hydra nt syste m, hose pipes, pumps with contro l panel, overh ead tanks, First aid, fire exting uisher s, sand bucket s, Manu al and autom atic fire alarms , main securit					
--	--	--	--	--	--	--	--	--

			y room, etc.					
	Operati on Phase	Quarterly training@ 2,000/training for 5 years		30,000	Quarterly training@ 2,000/training		7200	Cost is taken under remediati on
	Total Cost			17,51,086		2,74,94,575	32,77,130	
		Remediation Cost		17,51,086	Cost of EMP	3,07,71,705		
		Remaining Remediation Cost		17,51,086	Cost of EMP	3,07,71,705		

Expenditure of Proposed Remediation Cost:

Activity	Remark	Total (INR)	First Year (INR)	Second Year (INR)	Third Year (INR)
1. Environmental Management					
Plantation of trees along the roadside area inside or outside the project	Plantation of trees near project site or any other nearby projects	12,00,000		-	12,00,000
2. Community resource development					
Help of municipal authority for maintenance of already developed park in surrounding area.	Development of park	2,51,086		-	2,51,086
3. Natural resources augmentation					
Solar street light /led in nearby road side	12 @ Rs 25,000/ pieces	3,00,000	1,00,000	1,00,000	1,00,000
Total remediation cost (1+2+3)		17,51,086	2,00,000	2,00,000	12,26,605

Revised CER

S.No.	Activity	Remark	Total Cost (INR)	1st Year (INR)	2nd Year (INR)	3rd Year (INR)
1	Donation in Nearby Hospitals for COVID care.	Consultation with nearby hospitals	40,00,000	20,00,000	20,00,000	
2	Water purification system in nearby Schools	50 cooler @ Rs. 35,000/ cooler	15,78,000	-		15,78,000
3	Plantation along with roads.	-	20,00,000	-		20,00,000
4	Solar Panels Installations		20,00,000		20,00,000	
		Total	95,78,000	20,00,000	40,00,000	35,78,000

Thus as above, PP has proposed Rs. 3,25,22,791 (Rs. 17,51,086 as Remediation Cost and Rs. 3,07,71,705 as EMP) for this project and PP M/s Sanjay Lunawat, Village Bhat khedi , Tehsil Mhow & District: Indore, State: Madhya Pradesh has proposed to submit bank guarantee of INR Rs. 17,51,086 Lakhs towards Remediation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs.17,51,086 (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

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 Environment Clearance for Development of Multi Dwelling units “LUNAWAT COSMOS ”Village Bhat khedi , Tehsil Mhow & District: Indore, State: Madhya Pradesh, Plot Area – 598420 sqm. Built-up Area- 80455 sqm. Built-up Area Constructed – 80455 sqm., Category: 8 (a) Building & Construction Project.subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs.17,51,086 (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. 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.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. 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.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 04nos. of Diesel power generating sets of total capacity 250 kVA is proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the all DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the

site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.

- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from 04 DG set 250 kVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low Sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 645 KLD out of which 227 KLD is fresh water requirement and 464 KLD will be the total recycled water generated. 215 KLD recycled water will be used for flushing and, while 200 KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.

- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 32 recharge pits (32 pits – existing) will be constructed for harvesting rain water. The Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.
- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.

- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xix. Sewage shall be treated in the STP based on MBBR based technology (Capacity - 800 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 800KLD capacity (based on MBBR based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Energy Conservation Techniques can be considered as Space Cooling: External shading prevents solar radiation from entering into the buildings and reduces the cooling load, results

- to better control of overheating and indoor temperatures. Space cooling load may be reduced by 30% due to proper shading.
- iv. Thermal insulation of buildings external walls and roof reduces the cooling load and improves indoor thermal comfort conditions by lowering heat gains through the building's envelope. Energy consumption in insulated buildings may be 5–30% less than in non-insulated buildings.
 - v. Domestic hot water: Solar collectors reduce the annual energy consumption for domestic hot water production by lowering the load covered by electrical or thermal heating. Energy consumption in buildings with solar collectors may be 60–80% less than in buildings with electric heaters.
 - vi. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
 - vii. Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Waste Management

- i. Total solid waste 2387.5 Kg/day , this consist all types of wastes as domestic waste, Horticulture Waste , e- waste etc.) and shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i. Total 5500 trees shall be planted in the area of 5345.4 sq. mt. (10 % of net plot area) which is developed as greenbelt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be

designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.

- a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
 - iii. Total proposed Parking's arrangement for 804 ECS (in which 804 ECS for Silt parking, 00 ECS for Basement Parking and 00 for open parking).
 - iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. 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 balance 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 reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. 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.
- v. PP has proposed Rs. 3,25,22,791 (Rs. 17,51,086 as Remediation Cost and Rs. 3,07,71,705 as EMP including capital & recurring cost) for this project and PP M/s. Sanjay Lunawat, Village Bhat khedi , Tehsil Mhow, District: Indore, MP, has proposed to submit bank guarantee of INR Rs. 17,51,086 towards Remediation Plan.
- vi. For this project PP has proposed Rs 95.78 Lakhs as Corporate Environment Responsibility (CER) in which is @ 2 % of the project cost this amount shall be disbursed in the three years.

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. 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 State Expert Appraisal Committee (SEAC)
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. 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.

- v. 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.

46. Case No 7477/2020 M/s. AMD Infrastructure Pvt. Ltd & M/s Sudhir Verma Associates Construction Pvt. Ltd, Mr. Sudhir Verma, Director, 32/2, New Palasia, Dist. Indore, MP – 452001 Prior Environment Clearance for Construction of Residential Multi Flatted Units "Dream City" (Total plot area-28338.28 Sq. Mt., Total Proposed Built-up Area - 42507.42 Sq. Mt.) at Village - Talawali Chand, Tehsil - Indore, Dist. Indore, (MP)

This is case of Prior Environment Clearance for Construction of Residential Multi Flatted Units "Dream City" (Total plot area-28338.28 Sq. Mt., Total Proposed Built-up Area - 42507.42 Sq. Mt.) at Village - Talawali Chand, Tehsil - Indore, Dist. Indore, (MP).

Earlier this case was scheduled for presentation and discussion in 454st SEAC meeting dated 29/08/20 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 21.09.2020 which was forwarded through SEIAA vide letter no. 3275 dated 24.09. 2020 , which was placed before the committee.

The case was presented by the PP and their consultant during presentation during presentation PP stated that this is case of violation and 100% construction has been done and 100% occupancy has also been took place. Further submitted that and they have applied in the window period prescribed by MoEF&CC notifications on no. F/22-10/2019-1d-III dated 22.09.2019 for taking violation TOR. Also the Ralamandal sanctuary is >10KM from the project site. PP further submitted that they have started collecting the data. As per Google image based on coordinates provided by PP committee asked PP to submit exact distance from Khan River to the project their protection plan w.r.t. to Khan River Storm water particularly during monsoon.

Chronology of the project:

- I. Master Plan approved by Directorate of Town and Country Planning, Madhya Pradesh on dated 18.07.2008
- II. Construction was started on 01.12.2008.

Type of dwelling Units	Total Unit Proposed	Possession given	Unit Incomplete	Unit Completed
Flats units	542	542	00	542

Proposal submitted to SEIAA	EDS SEIAA	by	Submission of EDS	Accepted SEIAA	by	Hardcopy submission	SEAC Agenda
10/04/2018	28/04/2018		28/07/2020 30/08/2020 10/08/2020	24/08/2020		24/08/2020	29/08/2020

Project Activity	8(a)Building and Construction
Category	8(a) Building and Construction Category B: $\geq 20,000$ Sq. mtrs and $<1,50,000$ of built up area.
Project Details	

Name of Project	Proposed Residential Multi flatted Units By M/s Sudhir Verma Associates Construction Pvt. Ltd.
Total Land Area	28,338.28 m ²
Proposed Built-up Area	42507.42 m ²
Height of the building	18 m
Building configuration	G + 6
Estimated Project Cost	INR 70.0 Crores
EMP Budget	Capital Cost- Rs. 4.2 Cr, Recurring Cost- Rs.2.45 Lakhs

After presentation and deliberation it was observed by the committee that the remediation's plan and natural community resource augmentation plan submitted by PP needs to be revised as follows:

- Revised CER and it should be proportionate with the project cost as per O.M dated 01/05/2018.

PP vide their letter dated 29.09.2020 the remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee.

The revised plan submitted by PP is as follows-

S. No.	Environmental Factors /Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost	
1	Land use as per approved Master plan by T&CP, Bhopal							

	Construction Phase	No Violation			--	--	--	Land use of the project site was Residential as per Indore Master Plan 2005 attached Annexure - II
	Operation Phase	No Violation			--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							
	Construction Phase	No Violation			--	--	--	Project involves no R&R issues. The Project is on joint Venture. Joint Venture Papers are attached. Annexure III
	Operation Phase	No Violation			--	--	--	
3	Baseline Environment Monitoring							
	Construction Phase	For monitoring of air, water, soil & noise every six month for period of two years 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @	3,68,000		For monitoring of air, water, soil & noise every six month 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @	NA		No environment monitoring was done at site on initial starting of the project since the project began in 2013. Hence 2013-14, 2014-15, 2015-16, 2016-17, 2017-18&

		1000/sample 4. Soil: 2 sample @ 4000/sample			5000/sa mple, 7500/sa mple 3. Noise: 2 sample @ 1000/sa mple, DG set 2 sample @ 1000/sa mple 4. Soil: 2 sample @ 4000/sa mple			2019- 2020. This remediati on plan is of 5 years. The Remediati on plan of Rs. 3,78,000 will be spent inside the project premises or outside the premises of the project in Plantation /Env Monitorin g
	Operati on Phase	For monitoring of air, water, soil & noise every six month for period of five years 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @ 5000/sample, 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample	NA	NA	For monitor ing of air, water, soil & noise every six month 1. Water: 2 GW sample @ 5000/sa mple 2. Air: 2 Sample @ 5000/sa mple, DG 1	NA	1,95,000	

		4. Soil: 2 sample @ 4000/sample			sample @ 5000/sample 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			
Air Environment								
4	Construction Phase	Water sprinkling	Water sprinkling is done as per terms & conditions of the work order agreement (3 water tractors/day) enclosed with bill as (Annexure-VI) & Barricading is on site done and exist, enclosed photograph as Annexure-VII)		Construction period= 4 years, working day= 800 day, Per day water requirement= 12000 KLD @ 320/ tanker	7,68,000	--	All bills submitted in hard copies to SEAC
		Container for Storage of raw material	Storage hall/Service Yard (Size- 35mx25m) was provided during construction phase for materials stacking	No Violation	--	INR 14,04,000	INR 10,920	All bills submitted in hard copies to SEAC
		Green Nets for covering building @ Rs 3/Sqm	1,10,986		--	--	--	Proof is not available, therefore cost is taken in

								Remediation Cost
		Barricading of construction area	Site was fully barricaded (Annexure-VIII). All modern and new machinery was used on site. NO VIOLATION	Site boundary constructed	Construction is completed now. Project is in operational phase.	19,46,880	--	Bills submitted in hard copies
		Helmets, jackets, hand gloves & boots has been provided to the workers, enclosed Bill receipt as (Annexure-IX)			--	INR 34,56,016	--	Photographs & ledger accounts are attached for the reference
		Vehicle Inspection @ 15,000/year for 4 years	60,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	DG sets 250 kVA. With prevention of combustion fumes. Acoustic encloser and stack height has been provided as per CPCB Norms				INR 19,50,000	INR Annual maintenance @27438	Maintenance of 1 no. of DG set/year through AMC @ 27438/year
5	Waste Environment							

	Construction Phase	150 Dustbin @ Rs 200/each	30,000		--	3,38,520	--	Proof is not available, therefore cost is taken in Remediation Cost
		Safety tapes for barricading the waste	40,000		--	--	--	
		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1000/month	24,000		--	--	--	
	Operation Phase	15 Dustbin @ Rs 300/each	4,500		Agency fee for collection & disposal Solid waste @ Rs. 100/month	2,34,000		MUNICIPAL CORPORATION NOC ATTACHED FEES IS INCLUSIVE OF PROPERTY TAX also NOC Attached of MSW Disposing ANNEXURE - V
		Agency fee for collection & disposal Municipal Solid waste		50,000		--	18,720	
		STP sludge disposal	No Violation	No Violation	STP sludge disposal	Will be used as manure	--	Sludge is being used for landscaping purpose.
6	Water Environment							
	Construction Phase	Ground water abstraction	No ground bore well is done. NO VIOLATION (Under Taking annexure V)		NA	Not applicable, till date no bore well for ground	NA	For operational phase builder has arranged water

						water tapping is proposed for construction.		from tankers on daily bases bills are attached for further reference. Photographs are attached herewith for your reference
		Construction of Toilets	Temporary shelter & toilets has been provided to workers enclosed pics as (Annexure-X)	No Violation	NA	10,27,495	NA	Bills submitted in hard copies.
		STP & Dual Plumbing installation of 350 KLD	Water Demand is being fulfilled by Municipal Water Supply Sewage Water is treating in 350 KLD STP and Recycled and reuse for Greenbelt, Flushing purposes.dual plumbing is done and operational.	No Violation	NA	INR 45,00,000(STP)+ 28,03,243 (Dual plumbing)= 73,03,243		We have already obtained municipal water supply permission which is attached for reference.
		Construction of 6 RWH	06No.s of rain water harvesting has been provided. NO Violation	No Violation	NA	INR 53,66,400		06 RWH pits are constructed & CGWB compliance to be done.
	Operation Phase	Abstraction of Ground water	No Violation	No Violation	NA	NA	NA	Water is being supplied through Municipal Supply. NOC is attached

								as Annexure VII
		STP & Dual Plumbing AMC & Maintenance of 350 KLD	No Violation	No Violation	STP operation and maintenance @ Rs 45,000/month	NA	INR 6,81,688 (STP AMC @ 45000rs/month)+ 1,68,389 (Dual plumbing) = 8,50,077.	STP is FULL functional . Photos of STP Attached Annexure VIII
		Maintenance and cleaning of RWH system	No Violation	No Violation	Maintenance and cleaning of RWH system @ Rs 32,000/twice in a year	NA	INR 49,920 (Recurring cost for the maintenance of RWH pits.)	Bills are Submitted .
		Cleaning and maintenance of water network @ Rs 2,00,000/twice in a year	No Violation	No Violation	Cleaning and maintenance of water network @ Rs 2,00,000/twice in a year	NA	4,00,000	
7	Occupational Health and Safety of construction worker							
	Construction Phase	First aid kit at site	50,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labor	50,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor	50,000		--	--	--	
	Operational Phase	--			--	--	--	

	on Phase							
8	Ecology Environment							
	Constr uction Phase	Cutting of Trees	No Tree Falling done No Violation	No Violation	--	--	--	No tree was felled. No tree was present on the land. Attached affidavit Annexure - I
		Development of Green Area	Total 200 trees planted during construction. Species wise and location wise inventory enclosed as (Annexure-XIII)			INR 11,89,207	INR 2,97,251	Green area will be developed in the project site. Plantation photos attached Annexure - IX
	Operati on Phase	Maintenance of green area for 1 years after plantation	No violation	No Violation	Mainten ance of green area for @ 2,40, 000/a nnum	--	16,74,400	Gardner is allocated for maintenance of landscape .
9	Soil Environment							
	Constr uction Phase	Soil characteristics are as per baseline environmental data. Total land area 5,98,420 sqm, ground coverage @ 30%= 1,79,526 Sq.M, excavated	No violation as entire top soil was used in garden and back filling of plinth area.		NA	INR 8,79,603		Ledger accounts are submitted in hard copies.

		material= 5,38,578 cum, total quantity of topsoil have been used for the development of garden area which is 59842 Sqm i.e. 10.0 % of total plot area.						
	Operati on Phase	--			--	--	--	
10	Noise Environment							
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operati on Phase	Replacement of Vibration pads of DG set (once in five years)	1,50,000		Replace ment of Vibratio n pads of DG set			Five years not complete d yet. Hence cost is not taken in remediation cost
11	Energy Conservation							
	Constr uction Phase	--			--	--	--	
	Operati on Phase	Installation of LED Solar Panel	No Violation		--	INR 14,92,890	INR 2,95,828 (This amount has been incurred for the maintenance point of view.)	Proof is available photographs attached ANNEXURE XI This is

			INR 4,00,000					taken as remediati on cost.
12	Transportation of Trucks							
	Constr uction Phase	Tarpaulin covers for trucks						Proof is not available. Thus 50,000 are used in remediati on cost.
	Operati on	--				--	--	
13	Disaster Management Plan							
	Constr uction Phase	Earthquake resistant structure	No Violati on	No Violation	--	--	--	Already included in cost of project
		Fire fighting system	Machi nes were equipp ed with their fire exting uishin g equip ment. Only base earth excava tion work is done for 70 days, enclos ed as per	No Violation		INR 40,47,150	INR 3,08,100	Fire NOC is obtained which is attached as Annexure XII.

			(Anne xure- XVIII) NO VIOLA TION Fire Fightin g Organi zing and Arrang ement : Extern al fire hydra nt syste m, hose pipes, pumps with contro l panel, overh ead tanks, First aid, fire exting uisher s, sand bucket s, Manu al and autom atic fire alarms , main securit					
--	--	--	--	--	--	--	--	--

			y room, etc.					
	Operati on Phase	Quarterly training@ 2,000/training for 5 years		30,000	Quarterly training@ 2,000/training		9360	Cost is taken under remediati on
	Total Cost			15,17,486		3,14,03,404	41,37,014	
		Remediation Cost		15,17,486	Cost of EMP	3,55,40,418		
		Remaining Remediation Cost		15,17,486	Cost of EMP	3,55,40,418		

Expenditure of Proposed Remediation Cost:

Activity	Remark	Total (INR)	First Year (INR)	Second Year (INR)	Third Year (INR)
1. Environmental Management					
Plantation of trees along the roadside area inside or outside the project	Rooftop plantation will be preferred as suggested by the committee.	3,00,000		-	3,00,000
2. Community resource development					
Investment on protection plan for adjacent Nalla as suggested by the committee.	Development of park	10,00,000		5,00,000	5,00,000
3. Natural resources augmentation					
Construction of two more entry/ Exit gates as suggested in the last meeting.	-	2,17,486	2,17,486	-	-
Total remediation cost (1+2+3)		15,17,486	2,17,486	5,00,000	8,00,000

Revised CER

S.No.	Activity	Remark	Total Cost (INR)	1st Year (INR)	2nd Year (INR)	3rd Year (INR)
1	Donation in Nearby Hospitals for COVID care.	Consultation with nearby hospitals	80,00,000	20,00,000	30,00,000	30,00,000
2	Water purification system in nearby Schools	50cooler @ Rs. 35,000/ cooler	17,50,000	-	2,50,000	15,00,000
3	Plantation along with roads.	-	22,50,000	-		22,50,000
4	Solar Panels Installations		20,00,000		20,00,000	
		Total	1,40,00,000	20,00,000	52,50,000	67,50,000

Thus as above, PP has proposed Rs. 3,70,57,904 (Rs. 15,17,486 as Remediation Cost and Rs. 3,55,40,418 as EMP) for this project and PP M/s Sudhir Verma Associates Construction Pvt. Ltd., Address: 32/2, new Palasia, Indore (M.P)has proposed to submit bank guarantee of INR Rs. 15,17,486towards Remediation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank gurantee (BG) with three years validity of Rs.15,17,486 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

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 Environment Clearance for Development of residential township “DREAM CITY ” Khasra No. 63/1,81, 83, 84, 85, 86, 87, 88, 94, 99, Village Talwali chand Tehsil & Dist. Indore, Madhya Pradesh, Plot Area – 28,388.28 sqm. Built-up Area- 35,834.47 sqm. Built-up Area Constructed – 35,834.47 sqm., Category: 8 (a) Building & Construction Project.subject to the following special conditions and submission of bank gurantee (BG) with 03 years validity of Rs.15,17,486 Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. 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.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. 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.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 04nos. of Diesel power generating sets of total capacity 50 kVA areproposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the all DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the

site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.

- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from 04 DG set 50 kVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low Sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 375 KLD out of which 195 KLD is fresh water requirement and 270 KLD will be the total recycled water generated. 130 KLD recycled water will be used for flushing and, while 20 KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.

- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 06 recharge pits (06 pits – existing) will be constructed for harvesting rain water. The Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.
- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.

- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xix. Sewage shall be treated in the STP based on MBBR based technology (Capacity - 350 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 350KLD capacity (based on MBBR based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Energy Conservation Techniques can be considered as Space Cooling: External shading prevents solar radiation from entering into the buildings and reduces the cooling load, results

to better control of overheating and indoor temperatures. Space cooling load may be reduced by 30% due to proper shading.

- iv. Thermal insulation of buildings external walls and roof reduces the cooling load and improves indoor thermal comfort conditions by lowering heat gains through the building's envelope. Energy consumption in insulated buildings may be 5–30% less than in non-insulated buildings.
- v. Domestic hot water: Solar collectors reduce the annual energy consumption for domestic hot water production by lowering the load covered by electrical or thermal heating. Energy consumption in buildings with solar collectors may be 60–80% less than in buildings with electric heaters.
- vi. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- vii. Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Waste Management

- i. Total solid waste 1405 Kg/day , this consist all types of wastes as domestic waste, Horticulture Waste , e- waste etc.) and shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i. Total 247 trees shall be planted in the area of 2833 sq. mt. (10 % of net plot area) which is developed as greenbelt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be

designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.

- e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - f. Traffic calming measures.
 - g. Proper design of entry and exit points
 - h. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
 - iii. Total proposed Parking's arrangement for 1177 ECS (in which 595ECS for Silt parking, 00 ECS for Basement Parking and 582 for open parking).
 - iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. 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 balance 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 reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. 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.
- v. PP has proposed Rs. 3,70,57,904 (Rs. 15,17,486 as Remediation Cost and Rs. 3,55,40,418 as EMP including capital and recurring cost) for this project and PP M/s Sudhir Verma Associates Construction Pvt. Ltd., Address: 32/2, new Palasia, Indore (M.P)has proposed to submit bank guarantee of INR Rs. 15,17,486 towards Remediation Plan.
- vi. For this project PP has proposed Rs 140.0 lakhs as Corporate Environment Responsibility (CER) in which is @ 2 % of the project cost this amount shall be disbursed in the three years.

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. 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 State Expert Appraisal Committee (SEAC)
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. 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.

- v. 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.

47. Case No. - 7495/2020 M/s Indore Treasure Town pvt. Ltd, Authorized Signatory, Shri Yogesh Goswami S/o Shri R.M.Goswami, North Shop No. 155, Veena Mall, Kandivali East Off W.E. Highway, Dist. - Mumbai, (MH) – 400101. Prior Environment Clearance for Construction of "Treasure Town and Vihar" Plotted Development and Group Housing Project [Total Plot Area = 360120.000 sqm, Total Proposed Built-up Area = 373152 sqm] at Village - Bijalpur, Tehsil & Dist. - Indore, MP [23375] Env. Con. – Paramarsh Services Env. And Dev., Lucknow (U.P.). For- Building Construction. ToR (Violation).

This is case of Environment Clearance for "Treasure Town and Vihar" Plotted Development and Group Housing Project [Total Plot Area = 360120.000 sqm, Total Proposed Built-up Area = 373152 sqm] at Village - Bijalpur, Tehsil & Dist. -Indore, MP FoR – ToR (Violation) Cat. - 8(b) Township & Area Development Projects.

Earlier this case was scheduled for presentation and discussion in 457st SEAC meeting dated 18/09/20 wherein ToR was recommended.

PP has submitted ToR application (Violation) vide letter dated 24/08/2020 which was forwarded through SEIAA vide letter no. 2395 dated 25/08/2020, which was placed before the committee.

This case was presented by the PP and their consultant and during presentation during discussion and perusals of the documents it was observed by the committee that the It's a case of Violation, wherein PP / consultant submitted that about 60% construction took place and PP and their consultant presented the presentation before the committee PP. PP stated that this project is <10 KM from Ralamandal sanctuary hence, vide application no. FP/MP/others/5315/2020 dated 28.8.2020 they have applied for NBWL Clearance.

PP has submitted the EIA report vide letter dated 20.09.2020 which was forwarded through SEIAA vide letter no. 3277 dated 24.09.2020, which was placed before the committee.

After presentation and deliberation it was observed by the committee that the remediation's plan and natural community resource augmentation plan submitted by PP needs to be revised as suggested during presentation:

- Revised CER and it should be proportionate with the project cost as per O.M dated 01/05/2018.

PP vide their letter dated 29.09.2020 the remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee.

The revised plan submitted by PP is as follows-

S. No.	Environmental Factors /Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark	
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost		
1	Land use as per approved Master plan by T&CP, Bhopal								
	Construction Phase	No Violation				--	--	--	Land use of the project site was Residential as per Indore Master Plan 2005 attached Annexure - II
	Operation Phase	No Violation				--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)								
	Construction Phase	No Violation				--	--	--	Project involves no R&R issues. The Project is on joint

	Operati on Phase	No Violation			--	--	--	Venture. Joint Venture Papers are attached. Annexure III
	Baseline Environment Monitoring							
3	Constr uction Phase	For monitoring of air, water, soil & noise every six month for period of two years 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	3,41,600		For monitor ing of air, water, soil & noise every six month 1. Water: 4 GW sample @ 5000/sa mple 2. Air: 4 Sample @ 5000/sa mple, 7500/sa mple 3. Noise: 2 sample @ 1000/sa mple, DG set 2 sample @ 1000/sa mple	NA		No environme nt monitoring was done at site on initial starting of the project since the project began in 2013. Hence 2013-14, 2014-15, 2015-16, 2016-17, 2017-18& 2019- 2020. This remediatio n plan is of 5 years. The Remediati on plan of Rs. 3,78,000 will be spent inside the project premises or outside

					4. Soil: 2 sample @ 4000/sample			the premises of the project in Plantation/ Env Monitoring
	Operati on Phase	<p>For monitoring of air, water, soil & noise every six month for period of five years</p> <p>1. Water: 2 GW sample @ 5000/sample</p> <p>2. Air: 2 Sample @ 5000/sample,</p> <p>3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample</p> <p>4. Soil: 2 sample @ 4000/sample</p>	NA		<p>For monitoring of air, water, soil & noise every six month</p> <p>1. Water: 2 GW sample @ 5000/sample</p> <p>2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 5000/sample</p> <p>3. Noise: 2 sample @ 1000/sample</p>	NA	3,90,000	

					<p>mple, DG set 1 sample @ 1000/sa mple 4. Soil: 2 sample @ 4000/sa mple</p>			
4	Air Environment							
	Constr uction Phase	Water sprinkling	<p>Water sprinkling is done as per terms & conditions of the work order agreement (3 water tractors/day) enclosed with bill as (Annexure-VI) & Barricading is on site done and exist, enclosed photograph as Annexure-VII)</p>		<p>Construc tion period= 4 years, working day= 800 day, Per day water requirem ent= 12000 KLD @ 320/ tanker</p>	7,68,000	--	All bills submitted in hard copies to SEAC
		Container for Storage of raw material	<p>Storage hall/Service Yard (Size-35mx25m) was provided during construction phase for materials stacking</p>	No Violation	--	INR 28,08,000	INR 21,840	All bills submitted in hard copies to SEAC
		Green Nets for covering building @ Rs 3/Sqm	2,70,986		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Barricading of construction area	<p>Site was fully barricaded (Annexure-VIII). All modern and new machinery was used on site. NO VIOLATION</p>	Site boundary constructed	Construc tion is comple ted now. Project is in	38,93,760	--	Bills submitted in hard copies

					operational phase.			
		Helmets, jackets, hand gloves & boots has been provided to the workers, enclosed Bill receipt as (Annexure-IX)			--	INR 69,12,040	--	Photographs & ledger accounts are attached for the reference
		Vehicle Inspection @ 15,000/year for 4 years	60,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operational Phase	DG sets 250 kVA. With prevention of combustion fumes. Acoustic encloser and stack height has been provided as per CPCB Norms				INR 39,00,000	INR Annual maintenance @27438	Maintenance of 1 no. of DG set/year through AMC @ 22,865/year
5	Waste Environment							
	Construction Phase	150 Dustbin @ Rs 500/each	75,000		--	6,77,040	--	Proof is not available, therefore cost is taken in Remediation
		Safety tapes for barricading the waste	40,000		--	--	--	

		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1000/month	24,000		--	--	--	on Cost
	Operati on Phase	15 Dustbin @ Rs 300/each	7,500		Agency fee for collecti on & disposal Solid waste @ Rs. 100/mo nth	4,68,000		MUNICIPA L CORPORAT ION NOC ATTACHED FEES IS INCLUSIVE OF PROPERTY TAX also NOC Attached of MSW Disposing ANNEXUR E - V
		Agency fee for collection & disposal Municipal Solid waste		50,000		--	37,440	
		STP sludge disposal	No Violation	No Violati on	STP sludge disposal	Will be used as manure	--	Sludge is being used for landscapin g purpose.
	Water Environment							
6	Constr uction Phase	Ground water abstraction	No ground bore well is done. NO VIOLATION (Under Taking annexure V)		NA	Not applica ble, till date no bore well for ground water tapping is propos ed for constru ction.	NA	For operationa l phase builder has arranged water from tankers on daily bases bills are attached for further reference. Photograp hs are attached

								herewith for your reference
		Construction of Toilets	Temporary shelter & toilets has been provided to workers enclosed pics as (Annexure-X)	No Violati on	NA	2,67,148	NA	Bills submitted in hard copies.
		STP & Duel Plumbing installation of 1000 KLD	Water Demand is being fulfilled by Municipal Water Supply Sewage Water is treating in 1000 KLD STP and Recycled and reuse for Greenbelt, Flushing purposes.dual plumbing is done and operational.	No Violati on	NA	INR 1,17,000 00(STP) + 72,88,43 1 (Dual plumbin g)= 1,89,88,4 31		We have already obtained municipal water supply permission which is attached for reference.
		Construction of 23RWH	23nos of rain water harvesting has been provided. NO Violation	No Violati on	NA	INR 53,66,40 0		23 RWH pits are constructe d & CGWB complianc e to be done.
	Operati on Phase	Abstraction of Ground water	No Violation	No Violati on	NA	NA	NA	Water is being supplied through Municipal Supply. NOC is attached as Annexure VII
		STP & Duel Plumbing AMC &Maintenanc e of 1000 KLD	No Violation	No Violati on	STP operati on and mainte nance @ Rs 90,000/ month	NA	INR 6,81,688 (STP AMC @ 90,000rs/m onth)+4,37, 811 (Dual plumbing) = 15,17,811	STP is FULL functional. Photos of STP Attached Annexure VIII

		Maintenance and cleaning of RWH system	No Violation	No Violation	Maintenance and cleaning of RWH system @ Rs 32,000/ twice in a year	NA	INR 99,840 (Recurring cost for the maintenance of RWH pits.)	Bills are Submitted.
		Cleaning and maintenance of water network @ Rs 2,00,000/twice in a year	No Violation	No Violation	Cleaning and maintenance of water network @ Rs 2,00,000/twice in a year	NA	4,00,000	
7	Occupational Health and Safety of construction worker							
	Construction Phase	First aid kit at site	90,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labor	1,50,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor	50,000		--	--	--	
	Operation Phase	--			--	--	--	
8	Ecology Environment							
	Construction Phase	Cutting of Trees	No Tree Falling done No Violation	No Violation	--	--	--	No tree was felled. No tree was present on the land. Attached affidavit

								Annexure - I
		Development of Green Area	Total 1500 trees planted during construction. Species wise and location wise inventory enclosed as (Annexure-XIII)			INR 23,78,415	INR 5,94,503	Green area will be developed in the project site. Plantation photos attached Annexure - IX
	Operation Phase	Maintenance of green area for 1 years after plantation	No violation	No Violation	Maintenance of green area for @ 2,40,000/annum	--	33,48,800	Gardner is allocated for maintenance of landscape.
9	Soil Environment							
	Construction Phase	Soil characteristics are as per baseline environmental data. Total land area 5,98,420 sqm, ground coverage @ 30%= 1,79,526 Sq.M, excavated material= 5,38,578 cum, total quantity of topsoil have been used for the development of garden area which is 59842 Sqm i.e. 10.0 % of total plot area.	No violation as entire top soil was used in garden and back filling of plinth area.		NA	INR 17,59,206		Ledger accounts are submitted in hard copies.

	Operati on Phase	--			--	--	--	
10	Noise Environment							
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operati on Phase	Replacement of Vibration pads of DG set (once in five years)	1,50,000		Replace ment of Vibratio n pads of DG set			Five years not completed yet. Hence cost is not taken in remediation cost
11	Energy Conservation							
	Constr uction Phase	--			--	--	--	
	Operati on Phase	Installation of LED	No Violation		--	INR 29,85,780	INR 5,91,656 (This amount has been incurred for the maintenance point of view.)	Proof is available photographs attached ANNEXURE XI
		Solar Panel	INR 7,00,000					This is taken as remediation cost.
12	Transportation of Trucks							
	Constr uction Phase	Tarpaulin covers for trucks	1,50,000		--	--	--	Proof is not available. Thus 50,000 are used in

								remediation cost.
	Operation	--			--	--	--	
	Disaster Management Plan							
		Earthquake resistant structure	No Violation	No Violation	--	--	--	Already included in cost of project
13	Construction Phase	Fire fighting system	Machines were equipped with their fire extinguishing equipment. Only base earth excavation work is done for 70 days, enclosed as per (Annexure-XVIII) NO VIOLATION Fire Fighting Organ	No Violation		INR 80,94,301	INR 6,16,200	Fire NOC is obtained which is attached as Annexure XII.

			zing and Arrang ement : Extern al fire hydra nt syste m, hose pipes, pumps with contro l panel, overh ead tanks, First aid, fire exting uisher s, sand bucket s, Manu al and autom atic fire alarms , main securit y room, etc.					
--	--	--	--	--	--	--	--	--

	Operati on Phase	Quarterly training@ 2,000/training for 5 years		30,000	Quarterly training@ 2,000/training		18,720	Cost is taken under remediatio n
	Total Cost			22,39,086		5,92,66,521	76,64,248	
		Remediation Cost		22,39,086	Cost of EMP	6,69,30,769		
		Remaining Remediation Cost		22,39,086	Cost of EMP	6,69,30,769		

Expenditure of Proposed Remediation Cost:

Activity	Remark	Total (INR)	First Year (INR)	Second Year (INR)	Third Year (INR)
1. Environmental Management					
Plantation of trees along the roadside area inside or outside the project	Plantation of trees near project site or any other nearby projects	10,00,000		-	10,00,000
2. Community resource development					
Help of municipal authority for maintenance of already developed park in surrounding area.	Development of park	2,39,086		-	2,39,086
3. Natural resources augmentation					
Solar street light /led in nearby road side	50 @ Rs 25,000/ pieces	12,50,000	2,25,000	5,00,000	5,00,000
Total remediation cost (1+2+3)		22,39,086	2,50,000	5,00,000	17,39,086

RevisedCER

S.No.	Activity	Remark	Total Cost (INR)	1st Year (INR)	2nd Year (INR)	3rd Year (INR)
1	Donation in Nearby Hospitals for COVID care.	Consultation with nearby hospitals	1,00,00,000	40,00,000	40,00,000	20,00,000
2	Water purification system in nearby Schools	50 cooler @ Rs. 35,000/ cooler	17,50,000	-	2,50,000	15,00,000
3	Plantation along with roads.	-	32,50,000	-		32,50,000
4	Solar Panels Installations		50,00,000		50,00,000	
		Total	2,00,00,000	40,00,000	92,50,000	62,50,000

Thus as above, PP has proposed Rs. 6,91,69,855 (Rs. 22,39,086 as Remediation Cost and Rs. 6,69,30,769 as EMP) for this project and PP M/s. INDORE TREASURE TOWN PVT. LTD., Address: Khasra NO. 795/1, 796/2, 797/2, 800, 801, 802/1, 860/1 and others Bijalpur, Indore Mandal, Indore District, Madhya Pradesh.has proposed to submit bank guarantee of INR Rs. 22,39,086towards Remediation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank gurantee (BG) with three years validity of Rs. 22,39,086 (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

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 Environment Clearance for Development of residential township “TREASURE TOWN & VIHAR ” Khasra NO. 795/1, 796/2, 797/2, 800, 801, 802/1, 860/1 and others Bijalpur, Indore Mandal, Indore District, Madhya Pradesh, Plot Area – 3,90,010 sqm. Built-up Area- 3,73,152 sqm. Built-up Area Constructed – 3,73,152 sqm., Category: 8 (a) Building & Construction Project.subject to the following special conditions and submission of bank gurantee (BG) with 03 years validity of Rs.22,39,086

(equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. 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.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. 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.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF& CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 34nos. of Diesel power generating sets of total capacity 50 kVA,15 KVA & 24 KVAareproposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use

of low sulphur diesel. The location of the allDG sets may be decided with in consultation with State Pollution Control Board.

- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from 34 DG set 50 kVA, 15 KVA & 24 KVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low Sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 1017 KLD out of which 302 KLD is fresh water requirement and 732 KLD will be the total recycled water generated. 340.95 KLD recycled water will be used for flushing and, while 370 KLD water will be used for horticulture.

- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 23 recharge pits (23 pits – existing) will be constructed for harvesting rain water. The Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.

- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring report.
- xix. Sewage shall be treated in the STP based on MBBR based technology (Capacity - 1000 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 1000KLD capacity (based on MBBR based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.

- ii. Outdoor and common area lighting shall be LED.
- iii. Energy Conservation Techniques can be considered as Space Cooling: External shading prevents solar radiation from entering into the buildings and reduces the cooling load, results to better control of overheating and indoor temperatures. Space cooling load may be reduced by 30% due to proper shading.
- iv. Thermal insulation of buildings external walls and roof reduces the cooling load and improves indoor thermal comfort conditions by lowering heat gains through the building's envelope. Energy consumption in insulated buildings may be 5–30% less than in non-insulated buildings.
- v. Domestic hot water: Solar collectors reduce the annual energy consumption for domestic hot water production by lowering the load covered by electrical or thermal heating. Energy consumption in buildings with solar collectors may be 60–80% less than in buildings with electric heaters.
- vi. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- vii. Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Waste Management

- i. Total solid waste 3785 Kg/day , this consist all types of wastes as domestic waste, Horticulture Waste , e- waste etc.) and shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.

- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i. Total 3266 trees shall be planted in the area of 5345.4 sq. mt. (10 % of net plot area) which is developed as greenbelt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - i. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - j. Traffic calming measures.
 - k. Proper design of entry and exit points
 - l. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 1195 ECS (in which 829ECS for Silt parking, 00 ECS for Basement Parking and 366 for open parking).
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.

- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. 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 balance 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 reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. 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.
- v. PP has proposed Rs. 6,91,69,855 (Rs. 22,39,086 as Remediation Cost and Rs. 6,69,30,769 as EMP including capital & recurring cost) for this project and PP M/s. INDORE TREASURE TOWN PVT. LTD., Khasra NO. 795/1, 796/2, 797/2, 800, 801, 802/1, 860/1 and others Bijalpur, Indore Mandal, Indore District, Madhya Pradesh. has proposed to submit bank guarantee of INR Rs. 22,39,086 towards Remediation Plan.
- vi. For this project PP has proposed Rs 200.00 Lakhs as Corporate Environment Responsibility (CER) in which is @ 1.5 % of the project cost this amount shall be disbursed in the three years.

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. 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 State Expert Appraisal Committee (SEAC)

- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. 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.
- v. 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.

48. Case No. – 6248/2019 Shri Ramnarayan Mukati S/o Shri Bhanwar Singh Mukati, Village - Kheda, Tehsil & Dist. Dhar, MP Prior Environment Clearance for Stone Deposit in an area of 1.254 ha. (19,987 cum per annum) (Khasra No. 1022/1), Village - Kheda, Tehsil - Dhar, Dist. Dhar (MP).

This is case of Stone Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1022/1), Village - Kheda, Tehsil - Dhar, Dist. Dhar (MP) 1.254 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1171 dated: 12/06/17 has reported that there is 07 more mine operating or proposed within 500 meters around the said mine with total area of 15.778 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 422nd SEAC meeting dated 10/02/20 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 16.09.2020 which was forwarded through SEIAA vide letter no. 3239 dated 23.09.2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees; PP stated following details of this project :

- The proposed project of “Kheda Stone Deposit” Mine located at Khasra no. 1022/1 Village- Kheda Tehsil-Dhar, District-Dhar, Madhya Pradesh, Area- 1.254 Ha, The proposed production capacity of mine will be 19,987 cum/Annum .
- The chronology of the project :

ACTIVITY	DATE
Lease sanctioned	On date 25.03.2017 vide letter No. 538/U.P./N.K 32/16/Khanij/2016/17 <u>LOI letter</u>
Mining Plan approval	On date 31.03.2017 vide letter no. 640/mine plan/S.N/2017 Indore <u>MS approval letter</u>
TOR grant on	On date 17/06/2019 vide letter 412/PS-MS/MPPCB/SEAC/374/2019/Bhopal <u>TOR Letter</u>
Revised TOR grant on	On date 28/02/2020 vide letter 70/PS-MS/MPPCB/SEAC/422/2020/Bhopal <u>TOR Letter</u>
Draft EIA submission	On date- 06.03.2020
Public hearing advertisement on	On date- 21.07.2020
Public hearing conducted on	On date 22.08.2020 <u>PH minutes</u>

SALIENT FEATURES OF THE PROJECT

Particulars	Details
Type of Mine	Open Cast
Mining lease area	1.254 ha
Mineable area	0.784ha
Method of mining	Opencast semi-mechanized method
Elevation of lease area	569 m to 575m RL (<i>As per kml & site visit</i>)
Pit depth at the end of lease period	12m bgl (569 to 557m RL)

Pit depth at the conceptual stage	15m bgl
Ultimate Pit Slope	45°
Expected Life of Mines	6 years
Stripping Ratio	1:0.5
Mode to transportation	Road
Area under dumps in conceptual period	Nil
Area under pit at the end of lease period	0.784 ha
Area to be backfilled by conceptual period	Nil
Area to be covered under plantation	0.45 ha
General ground water table level	Approx. 35 mbgl (<i>Source: Approved mining plan</i>)
Max. daily production @300 days	67 cum/day or 171 TPD
Truck loads/trips per day (20 T)	9 truck loads and 18 return trips
Bottom pit area at conceptual level	7425 m ²
Machinery will be deployed easily at bottom pit	

During presentation it was observed that motor testing track in the south side of the lease which is about >1KM and habitation on NE & NW side of the lease which are also >500 meters. PP has submitted revised DGPS coordinates PP stated this survey was conducted in Feb. 2019.

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 Environment Clearance for Stone Deposit in an area of 1.254 ha. (19,987 cum per annum) (Khasra No. 1022/1), Village - Kheda, Tehsil - Dhar, Dist. Dhar (MP). subject to the 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. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.
20. 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 1505 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.

23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. 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.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

S.N	Land USE	PRESENT Area (Hectare)	AFTER FIRST 5 YEAR Area (Hectare)	AFTER Next 5 YEAR Area (Hectare)	AT THE END OF MINE LEASE PERIOD Area (Hectare)
1.	PITS	0.00	0.784	0.784	0.00
2.	PLANTATION (within Barrier Zone)	0.00	0.45	0.45	0.47
3.	RESERVOIR	0.00	0.00	0.00	0.784
4	Shed & crusher	0.00	0.02	0.02	0.00
5	UNUSED	1.254	0.00	0.00	0.00
TOTAL		1.254	1.254	1.254	1.254

28. 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.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 7.60Lakh is proposed and Rs.5.97 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 02.4 Lakh has proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. 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.
36. 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.

49. Case No. – 6244/2019 Shri Shivnarayan Mukati S/o Shree Bhanwar Singh Mukati, Village - Kheda, Tehsil & Dist. Dhar, Prior Environment Clearance for Murrum Deposit in an area of 1.254 ha. (80,000 cum per annum) (Khasra No. 1022/1), Village - Kheda, Tehsil - Dhar, Dist. Dhar (MP).

This is case of Murrum Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1022/1), Village - Kheda, Tehsil - Dhar, Dist. Dhar (MP) 1.254 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 211 dated: 04/04/19 has reported that there are 07 more mine operating or proposed within 500 meters around the said mine with total area of 15.778 ha including this mine.

Earlier this case was scheduled for presentation and discussion in 422nd SEAC meeting dated 10/02/20 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 16.09.2020 which was forwarded through SEIAA vide letter no. 3235 dated 23.09.2020 which was placed before the committee.

PP and their consultant presented the EIA before the committees; PP stated following details of this project :

- The proposed project is for stone mining over an area of 1.254 ha at 1022/1 kha near village- Kheda, Tehsil & Dist-Dhar (MP).
- The chronology of the project :

ACTIVITY	DATE
Lease sanctioned	On date 20.12.2017 vide letter no. 9149/U.P./N.K 107/17/Khanij/2017/18 (for 10 years i.e up to 19/12/2027)
Mining Plan approval	On date 27.12.2017 vide letter no. 2827/mine plan/S.N/2017 <u>MP approval letter</u>
TOR grant on	On date 08.08.2019 vide letter 518/PS-MS/MPPCB/SEAC/TOR/ (376)2019 <u>TOR Letter</u>
Public hearing advertisement on	On date 21.07.2020
Public hearing conducted on	On date 22.08.2020 <u>PH minutes</u>

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 Environment Clearance for Murrum Deposit in an area of 1.254 ha. (80,000 cum per annum) (Khasra No. 1022/1), Village - Kheda, Tehsil - Dhar, Dist. Dhar (MP), subject to the 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. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No intermediate stacking is permitted at the mine site.
12. No dump shall be stacked outside the lease area.
13. Overhead sprinklers shall be provided in mine.
14. 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.
15. 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 1450 trees shall be planted on barrier zone, backfilled area and along the transportation route.
16. Transportation of material shall be done in covered vehicles.
17. Transportation of minerals shall not be carried out through forest area.
18. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
19. 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.
20. 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.
21. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
22. The existing and proposed land use plan of the mine is as follows:

S. N	Land USE	PRESENT Area (Hectare)	AFTER FIRST 5 YEAR Area (Hectare)	AT THE END OF MINE LEASE PERIOD Area (Hectare)
1.	PITS	0.00	0.85	0.00
2.	PLANTATION (within Barrier Zone)	0.00	0.254	0.404
3.	RESERVOIR	0.00	0.00	0.85
4	Shed	0.00	0.15	0.00
5	UNUSED	1.254	0.00	0.00
TOTAL		1.254	1.254	1.254

23. 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.
24. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
25. The commitments made in the public hearing are to be fulfilled by the PP.
26. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
27. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

28. In the proposed EMP, capital cost is Rs. 7.35Lakh is proposed and Rs.4.48 Lakh /year as recurring expenses.
29. Under CSR activity, Rs. 3.0 Lakh has proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.

30. 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.
31. 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.

50. Case No. – 6249/2019 Shri Ambaram Raghvanshi S/o Shri Madanlal Raghvanshi, Village - Jamodi, Tehsil & Dist. Dhar, Prior Environment Clearance for Stone Deposit in an area of 1.262 ha. (20,204 cum per annum) (Khasra No. 225/1), Village - Jamodi, Tehsil - Dhar, Dist. Dhar (MP).

This is case of Stone Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 225/1), Village - Jamodi, Tehsil - Dhar, Dist. Dhar (MP) 1.262 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1172 dated: 12/06/17 has reported that there is 07 more mine operating or proposed within 500 meters around the said mine with total area of 15.778 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 422nd SEAC meeting dated 10/02/20 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 16.09.2020 which was forwarded through SEIAA vide letter no. 3237 dated 23.09.2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees; PP stated following details of this project :

- The proposed project of “Jamodi Stone Quarry” Mine comes under Village- Jamodi , Tehsil- Dhar, District- Dhar, Madhya Pradesh, Area- 1.262 Ha, The proposed production capacity of mine will be 20,204 cum/Annum (Maximum).
- The chronology of the project :

ACTIVITY	DATE
Lease sanctioned	On date 25/08/2017 vide letter No. 536/U.P./N.K 31/16/Khanij/2016/17 LOI letter
Mining Plan approval	On date 05/03/2018 vide letter no. 364/mine plan/S.N/2018-19 Indore MS approval letter
TOR grant on	On date 17/06/2019 vide letter 416/PS-MS/MPPCB/SEAC/TOR/374/2019/Bhopal TOR Letter
Revised TOR grant on	On date 28/02/2020 vide letter 72/PS-MS/MPPCB/SEAC/TOR(422)/2020/Bhopal TOR Letter
Draft EIA submission	On date- 06.03.2020
Public hearing advertisement on	On date- 21.07.2020
Public hearing conducted on	On date 22.08.2020 , PH minutes

During presentation it was observed that motor testing track in the south side of the lease which is about >1KM and habitation on NE & NW side of the lease which are also >500 meters.

51. 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 Environment Clearance for Stone Deposit in an area of 1.262 ha. (20,204 cum per annum) (Khasra No. 225/1), Village - Jamodi, Tehsil - Dhar, Dist. Dhar (MP). subject to the 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. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.
20. 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 1515 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.

23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. 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.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

S.N	Land USE	PRESENT Area (Hectare)	AFTER FIRST 5 YEAR Area (Hectare)	AFTER Next 5 YEAR Area (Hectare)	AT THE END OF MINE LEASE PERIOD Area (Hectare)
1.	PITS	0.00	0.792	0.00	0.00
2.	PLANTATION (within Barrier Zone)	0.00	0.45	0.47	0.00
3.	RESERVOIR	0.00	0.00	0.792	0.00
4	Shed & crusher	0.00	0.02	0.00	0.00
5	UNUSED	1.262	0.00	0.00	1.262
TOTAL		1.262	1.262	1.262	1.262

28. 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.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 7.53Lakh is proposed and Rs.5.98 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 03.0 Lakh has proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. 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.
36. 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.

DISCUSSION BASED ON QUERY REPLY SUBMITTED BY PP/ PENDING SINCE LONG

51. **Case No 7582/2020 Shri Lokendra Singh Parihar S/o Shri Yadvendra Singh Parihar, Purani Basti, Vilage - Kachnar, Tehsil - Nagod, Dist. Satna, MP – 485001 Prior Environment Clearance for Stone Quarry in an area of 1.286 ha. (4000 cum per annum) (Khasra No. 119/2, 123/2, 127/2), Village - Reruakala, Tehsil - Nagod, Dist. Satna (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 119/2, 123/2, 127/2), Village - Reruakala, Tehsil - Nagod, Dist. Satna (MP) 1.286 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1681 dated: 28/08/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that the as per Google image based on coordinates provided by PP

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human	>180	South – East	20 meters setback w.r.t. to NGT

settlement			order and Protection plan & muffle blasting with arrangements of sand bags and three rows of plantation in this side.
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The 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 EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 4,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 3.70 Lakh as capital and Rs. 1.60 Lakh/year and under CER Rs. 0.50 Lakh/ year has proposed.

(Dr. Anil Sharma)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. Sonal Mehta)
Member

(Dr. R. Maheshwari)
Member

(Dr. Jai Prakash Shukla)
Member

(A.A. Mishra)
Secretary

(Dr. Rubina Chaudhary)
Member

(Mohd. Kasam Khan)
Chairman

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/Murum and Soil quarries:

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
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. Overhead sprinklers arrangements with solar pumps 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.
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 03 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. 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 would maintain the plants for five years 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. 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.

16. 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'.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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 dated 16/01/2020.
23. The project proponent shall follow the mitigation measures provided in MoEFCCs 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".

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. Overhead sprinklers arrangements with solar pumps 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.
4. Only registered vehicles/tractor trolleys 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 up-stream 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.
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. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years 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.
17. 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.
18. 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.
19. 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.
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.
26. A separate budget in EMP & CER shall 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 MoEFCCs 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".

Annexure- 'C'

Standard conditions applicable for the Sand deposits on Agricultural Land/ Khodu Bharu Type Sand Mine Quarries*

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate 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.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. 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.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years 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.
14. 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.

15. 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.
16. 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.
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.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
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. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs 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".

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. 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.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.

10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.

27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs 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" with EIA report.

FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.

29. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
30. Detailed analysis of availability and quality of the drinking water resources available in the block.
31. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
32. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.