

The 321<sup>st</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 16<sup>th</sup> August, 2018 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Shri Prasant Srivastava, Member.
4. Dr. R. Maheshwari, Member.

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

**1. Case No. - 5667/2018 Shri Rajiv Chadha, Opposite - G. S. College, Civil Lines - Jabalpur, Distt. - Jabalpur (M.P.) - 482003 Prior Environment Clearance for Expansion in Production Capacity of Iron Ore Beneficiation Plant from 90,000 TPA to 3,00,000 TPA at Khasra No. - 1547, Village- Gandhigram, Tehsil - Sihora, Distt. - Jabalpur (M.P.) Cat. - 2(b) Mineral Beneficiation. Env. Consultant- Creative Enviro Services, Bhopal (M.P).**

This is an Ore beneficiation project comprising beneficiation of Iron Ore. The project is covered under the provisions of EIA notification as item no. 2 (b), hence requires prior EC from SEIAA. It was reported that, the industry is operational with existing production capacity of 90,000 TPA and proposes an expansion in the production capacity up to – 3,00,000 TPA. Application submitted by the PP was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

This case was presented by the PP and their consultant in the 311<sup>st</sup> SEAC meeting dated 16/04/2018. After deliberations committee recommended the Standard TOR as stipulated by the MoEF&Cc with inclusion of following additional TOR and as per Annexure-D to be addressed in the EIA / EMP report may be issued:

1. Compliance report for compliance of the conditions of the earlier existing EC has to be furnished after due validation and comments from the concerned Regional Office of MoEF. Any non compliance or partial compliance reported by the MoEF&CC should be addressed in the EIA with justification.
2. Ground-water study w.r.t to heavy metals concentration to be furnished.
3. Complete ore analyses to be furnished.
4. One month monitoring for data validation should be carried out as during presentation PP informed that they have already collected the data.

5. Water balance with source of water to be furnished along with the consent / permission for supply of requisite quantum of water from the competent authority.
6. Proposal for 'Zero Liquid Discharge'.
7. Environmentally sustainable disposal of the Tailing residue to be addressed in the EIA report.
8. Mass balance for the solid waste (tailings residue) for entire plant to be presented in the EIA Report.
9. Expenditure made for EMP & CSR during last EC is to be submitted by the PP along with the details of PPEs provided to workers.
10. Health survey report of the workers is to be submitted by the PP.
11. Inventory of all the trees planted by the PP after first EC.
12. Photographs of the existing plantation are to be submitted in the EIA report.
13. Complete details of the Tailing Pond including the lining, dimensions, capacity and proposed locations of peizometers etc.
14. Appropriate Garland drains to be provided around all the heaps in the premises along with the settling / collection tank connected to the garland drains- complete plan to be furnished in the report.
15. Being existing mine lechate study should also be carried out on suitable locations.

PP has submitted EIA Report vide letter dated 02/07/18, which was forwarded through SEIAA vide letter no. 1098 dated 09/07/2018.

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

**Salients Features of the project:**

S.No.	Particulars	Details
1	Name of the project & its location:	Rajeev Chadha (Beneficiation Plant ) Khasra No. 1547, Village- Gandhigram, Tehsil - Sihora, Dist. Jabalpur (MP)
2.	Name of the Company, Address Tele No. & E-mail :	Shri Rajiv Chadha, Opposite - G.S.College, Civil Lines, Jabalpur, MP – 482003, Ph. No. 9926181818 email- <a href="mailto:chadharajeev7310@gmail.com">chadharajeev7310@gmail.com</a>
3	Latitude and Longitude of the project	Lat.- 23°21'39.89"N to 23°21'39.82"N Long.- 80° 02'0.17"E to 80° 02'05.29"E

4	If a Joint venture, the names & addresses of the JV partners including their share	Individual
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	This is the case of enhancement in the production capacity of iron ore beneficiation plant from 90,000 MTPA to 3,00,000 MTPA, with throughput 4,80,000 Metric Ton Per Annum (MTPA). The plant is 28 km from Jabalpur and approachable from on National Highway up to Gandhgram and then turning right on PMRY road for 2.6 km. The nearest railway station is Gosalpur at 4.6 km.
6	Cost of the project :	Rs. 10.0 Crores
7	Whether the project is in the Critically Polluted Area (CPA):	No
8	If the project is for EC under EIA Notification, 2006 a. For the first time appraisal by EAC (i) Date of ToR: (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP b. Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.	Is a Expansion Project  i) Tor- 167/PS-MS/MPPCB/SEAC/TOR(311)/2018 dtd. 26/05/2018 ii) Date of Public hearing – 16.07.2015, Major issues raised in Public hearing are employment, dust emission due to transportation, construction of pacca Road, air pollution control equipments, ground water table.  Certified Compliance report of existing EC – submitted report from RO MOEF&CC Bhopal vides letter No. 18-B-1/2014 (SEAC) /276 dtd. 14/10/2014
9.	If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.	No, the beneficiation plant is situated in mining lease area.

10	If the project falls within 10 km of eco- sensitive area (i) Name of eco- sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life.	No eco- sensitive area within 10 km from project site.																	
11	Waste Management (i)Water requirement, source, status of clearance (ii) Waste water quantity, treatment capacity, detail (iii) Recycling/reuse of treated water and disposal (iv) Solid Waste Management (v) Hazardous Waste Management.	Waste Management:- the tailings solid waste in form tailings / discards are being generated. The quantity of tailings shall be Approx. 1,80,000 MTPA. The tailings will be taken to filter press and solids shall be given to bricks manufacturers and the water is being used in process of washing. Total fresh water required.- 2400m <sup>3</sup> /day 2140 m <sup>3</sup> /day Per day will be recycled through settling tank and thickener. Make water requirement – 260 m <sup>3</sup> /day Source- Mine pit Settling tanks – 6 Nos. with HDPE lining and RCC of size – 50mx 20m x 1.5m.																	
12	Other details (i) Noise Modeling with noise control measures for airports (ii) Details of water bodies, impact on drainage if any (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20 % of construction projects and 33 % for others) (vi) Parking requirement with provision made.	<p>i) Noise modeling is not applicable.                      ii) Budagar pond within 2 kms.                      iii) No tree cutting is involved in project.                      iv) The process is gravity separation, which required less power. solar power used for office building.                      V) Proper Parking is provided.                      VI) details of plantation is as follows:</p> <table border="1" data-bbox="721 1528 1479 1875"> <thead> <tr> <th>Existing plantation</th> <th>No. of Plants</th> <th>Proposed plantation</th> <th>Nos. of Plants eve</th> </tr> </thead> <tbody> <tr> <td>Neem</td> <td>160</td> <td>Neem</td> <td>300</td> </tr> <tr> <td>Teak</td> <td>450</td> <td>Awla</td> <td>200</td> </tr> <tr> <td>Gulmohar</td> <td>125</td> <td>Gulmohar</td> <td>200</td> </tr> </tbody> </table>		Existing plantation	No. of Plants	Proposed plantation	Nos. of Plants eve	Neem	160	Neem	300	Teak	450	Awla	200	Gulmohar	125	Gulmohar	200
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13	If the project involves foreshore facilities (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan.	Not applicable																												
14	If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information :	Not Applicable																												

15	Other information (i) Investment/Cost of the project is ----- (ii) Employment potential ----- (iii) Benefits of the project - -----	Investment/Cost of the project is Rs. 10.00 Crores Employment potential 100 Nos direct and 50 Nos indirect Benefits - revenue / taxes to Govt. in form of excise duties
16	Date of Ground water clearance:	Not obtained, will apply for permission to for abstraction of ground water from regulatory authority.
17	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.	Cost of EMP – 64.50 Lakhs and recurring cost – 18.80 Lakhs CSR Budget – 2.70/- per years CSR Committee 1. Rajiv Chadha – Leasee Mob No. 9301881818 2. Prashant – GM – Plant Mob No. 9630261036 3. Sarpanch of Budhaghar 4. Officer from admin. Deptt. 5. five Nos. of local residents
18	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	Hiren River- 6.5 km from plant.

**Details of Environmental Settings:**

<b>1.</b>	<b>Name of Project</b>	<b>Iron Ore Beneficiation Plant</b>
<b>2.</b>	<b>Location of the Project</b>	
	Khasra No. Village	1547, Village Gandhgram
	Tahsil	Sihora
	District	Jabalpur
	State	Madhya Pradesh
<b>3.</b>	<b>Area Specific Detail</b>	
	Beneficiation Plant Area	25500 sqm
	Toposheet No.	64 A/3
	latitude	23°21'39.89"N to 23°21'39.82"N
	Longitude	80° 02'0.17"E to 80° 02'05.29"E
<b>4.</b>	<b>Requirement</b>	
	Total fresh Water requirement	260 m <sup>3</sup> /day

	Total Power Requirement	330 KVA
	Total Manpower Requirement	50 Nos.
	Total Cost of Project	Approximately Less than 10.0 crores
	Environmental Protection Cost	64.50 Lacs
<b>5.</b>	<b>Detail of the Project Area</b>	
	Nearest National Highway	NH-7 (0.6 km)
	Nearest Railway Station	Deori at 12 km
	Nearest Town	Panagar at 12 km
	Nearest Airport	Jabalpur 28 km
	Wildlife Sanctuaries,	No within 10 km radius
	Reserve Forest	No national parks and sanctuary within 10 km radius

The EIA was presented by the PP and their consultant wherein PP informed that no blasting is required in this project. PP also submitted the MoEF&CC compliance report of earlier EC conditions along with the action plan for the conditions which are not complied. After presentation and discussion PP was asked to submit response on following:

1. Status of progressive mine closure Plan is to be submitted by the PP.
2. Committeemen from the PP that in the stock pile which is used in feeding to hopper for beneficiation is always having 15-20% moisture to avoid fugitive emission of dust.
3. To control fugitive emissions, stock pile must have minimum 15% moisture for which commitment may be submitted.
4. Commitment of PP that fixed type sprinklers shall be used for dust suppression on the internal roads.
5. Total plantation shall be 1500 saplings as suggested by the committee for which proposal with species, proposed area for plantation & budgetary allocations shall be submitted.
6. Tailing Management Plan is to be submitted by the PP.
7. Commitment of PP that tailings will be given to brick manufacturers.
8. The PP should carry out the TCLP test of finished bricks.
9. Numbers and dimensions of settling tanks.
10. Commitment of PP that settling tanks should be made of RCC with HDPE lining.
11. Organogram of the environmental management cell is to be submitted by the PP.

PP has submitted the response of above quarries vide letter dated 16/08/2018 which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior Environment Clearance for Expansion in Production

Capacity of Iron Ore Beneficiation Plant from 90,000 TPA to 3,00,000 TPA at Khasra No. - 1547, Village- Gandhigram, Tehsil - Sihora, Distt. - Jabalpur (M.P.) Cat. – 2(b) Mineral Beneficiation. 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 expansion 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 evacuation of minerals, evacuation road should be prepared and maintained by the PP.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING AND BENEFICATION OPERATIONAL PHASE**

9. No blasting is permitted as per the approved mine plan and submissions made by the PP during presentation.
10. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. 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 4500 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants. 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) including the village side to provide additional protection in one year only.
11. To control fugitive emissions, stock pile must have minimum 15% moisture.
12. Fixed type sprinklers shall be used for dust suppression on the internal roads.



13. Tailings shall be disposed off through brick manufacturers. No tailings/wastes shall be disposed off in the low lying area.
14. The PP should carry out the TCLP test of finished bricks.
15. Transportation of material shall be done in covered vehicles.
16. Transportation of minerals shall not be carried out through forest area.
17. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
18. 06 settling tanks (50m x 20m x 1.5m) shall be connected with settling pits shall be provided for proper sedimentation.
19. All the tanks area HDPE lined RCC bedded tanks to avoid any seepage or percolation of water into the ground.
20. Water sprinkling through tankers should be provided on 250 meter long and 04 meter wide haul road. However, regular water spraying should also be practiced on 300 meters long and width 06 meters wide transport road for dust suppression.
21. 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.
22. The land use plan is as follows:

Area of plant	25,500 sqm
Storage Area for Iron ore	5,000 sqm
Storage Area for Product	5,000 sqm
Storage Area for Discards	2,000 sqm
Office	200 sqm
Open area	13,300 sqm

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. Regular monitoring shall be carried out as per the proposal submitted by the PP and reports shall be submitted to MoEF&CC & MP PCB.

25. The water requirement shall be met from the excavated mine pit as per the proposal submitted by the PP. No ground water abstraction shall be made without the approval of CGWB.
26. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
27. The commitments made in the public hearing are to be fulfilled by the PP.
28. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
29. PPE's such as helmet, ear muffs etc should be provided to the workers during mining operations.
30. The process of beneficiation plant shall be gravity separation through hydroclone, screens, thickener etc through use of water only without any chemical process.
31. Tailing pond shall be in series for proper settlement of tailings with HDPE linings of suitable thickness and minimum 08 Piezometric sampling points all around them. Filter press shall also be provided for better recovery of water from tailings and same shall be reused in the process. Tailing shall be stored over the HDPE lined surface of suitable thickness.
32. Garland drains and settling tanks shall be provided all around the tailing ponds.
33. The waste water generated from the beneficiation plant shall be reused as committed by the PP.
34. Solid waste generated from the beneficiation process shall be utilized for value added materials such as brick manufacturing /other beneficial uses as per the proposal submitted by the PP.
35. No effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
36. Hazardous wastes (if any) should be disposed off as per the authorization issued by MP Pollution Control Board.

**(C) ENTIRE LIFE OF THE PROJECT**

37. The proposed EMP cost is Rs. 64.50 lacks and Rs. 18.80 lacks /year are proposed as recurring expenses and Rs. 07.50 lacks is proposed for green belt development in the proposed EMP of this project.
38. Under CSR activity, Rs. 02.70 lacks/year is proposed as recurring expenses in different activities and should be implemented through respective committees.

39. 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.
40. 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.
41. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
42. PP will comply with all the commitments made vide letter dated 16/08/2018.
43. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**2. Case No. - 5200/2016 Executive Engineer, Office of Executive Engineer, Water Resources Department, Manawar Distt. – Dhar (M.P.) Prior Environment Clearance for Berkheda Medium Project" of Water Resources Department, Kukshi/Berkheda. Live capacity - 52.404 MCM, Cultivable Command Area – 9,900 ha, Catchment Area - 382.9 sq., Dam Length - 889.15 M, Spillway - 147.00 M, Maximum height of Dam - 36.68 M Ha. ( River Valley Project).**

This is case of Medium River Valley and Hydroelectric Project. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located Village- Kukshi/Berkheda Distt.- Dhar with Live capacity - 52.04 MCM, Cultivable Command Area - 9900 ha, Catchment Area - 382.9 sq., Dam Length - 889.15 M, Spillway - 147.00 M, Maximum height of Dam - 36.68 M ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was recommended for the grant of prior EC in the 314<sup>th</sup> SEAC meeting dated 10/05/2018. Then this case was discussed in 488<sup>th</sup> SEIAA meeting dated 30.05.2018 and it is recorded that:

- A. A complaint letter received from Convenor of Narmada Bacchao Andolan in which number of issues raised regarding the Berkheda medium irrigation project and PP has submitted point-wise reply of the related issues, it is decided to send the team of SEAC for site visit and also to cross check/verify the issues raised in the complaint and reply submitted by PP for factual status. Accordingly re-appraise the case in line of above.

B. Besides this PP should also submit the details of compensation regarding land acquisitions, and displacement of families due to construction of dam.

PP vide letter no. 2541 dated 13/08/2018 has requested to postpone the presentation as their consultant is unable to attend this meeting which was placed before the committee. Committee accepted the request made by the PP and decided to call the PP in 324<sup>th</sup> SEAC meeting dated 19/08/2018 if time permits.

**3. Case No. - 5620/2017 M/s Om Smelters & Rollers Pvt. Ltd, Prem Prakash Sadan, Behind Radhika Mandapam, Gwalior Road, Jhansi, UP. Prior Environment Clearance for Expansion of Production Capacity of Mini Steel Plant at Khasra no.- 251, 274/2, 274/3, 283, 284, 285, 287/1, Village- Bharteri, Tehsil - Chinor, Dist. Gwalior (MP). EIA Presentation Env. Consultant- Creative Enviro Services, Bhopal (M.P.)**

This is a Mini Steel Plant. All non-toxic secondary metallurgical processing industries manufacturing >5000 tones/annum metal components are covered under the EIA Notification 2006 as amended 2009 and are mentioned at S.N. 3(a), B. Hence these projects are required to obtain prior EC before establishment. The project is proposed at Village- Bharteri, Tehsil - Chinor, Distt. - Gwalior (MP).

Earlier this case was scheduled for presentation in 303<sup>rd</sup> SEAC meeting dated 23.12.2017. Wherein the case was presented by the PP for issuing of TOR to carry out EIA studies with site specific details wherein PP submitted that monitoring has already been started. This is existing unit, located at Khasra No. 251, 274/2, 274/3, 283, 284, 285, 287/1, Village- Bharthari, Tehsil Chinor, Distt. Gwalior (M.P.) Non Toxic Secondary Metallurgical Industry Capacity – 80000 Metric Ton per Annum.

**Background of the project**

1. The industry is in operation since 2015, having valid Consents from State Pollution Control Board under section Water & Air Act, valid upto 30/09/2019
2. Existing Capacity - 18000 MTPA
3. Products – TMT Bars, MS Billets/ Ingots, MS Angle Channel, Rolling Product, Missroll & cutting
4. Location - Village Bhartheri, Tahsil Chinor, District Gwalior, Madhya Pradesh.

5. Due to Market demand and available infrastructure the Company is planning to enhance the production capacity, by installing one more Induction furnace of capacity 12T.
6. The project is located in Gwalior District of Madhya Pradesh.
7. No sensitive feature is exists nearby the factory.

**Salient features of the project**

S. No.	Particulars	Details
1	Location	Khasra No. 251, 274/2, 274/3, 283, 284, 285, 287/1, Village-Bharthari
2	Land owners ship	Private land, diverted for industrial use.
3	Latitude	25° 59' 25.24.99" to 25° 59' 33.57" N
4	Longitude	78° 15' 0.11" to 78° 15' 8.78" E
5	Nearest Highway	NH-75 (Gwi-Jhansi Road – 500 m. in E)
6	Nearest Railway Station	Anatpath – 4.6 km in SE
7	Nearest Village / Township	Manpur – 200 m in NW
8	Nearest Airport	Gwalior – 28.0 km in N
9	Nearest Major city	Gwalior – 26.0 km in N
10	Nearest River /Water body	Band Tal ( a Pond) – 3000m
11	Ecologically Sensitive Zones (National, parks, Wildlife Sanctuaries)	Non within 10 km radius
12	Seismic Zone	II

**Land use break - up**

Office/Lab	200 sqm
Factory shed	5000 sqm
Existing Green Belt	1200 sqm
Proposed Green Belt	17600 sqm
Storage of finish products and others	10573 sqm
Open Land	22487 sqm
Total Land	57060 sqm

**Capacity**

S. No.	Unit	Product Existing	Existing Capacity	Product Proposed	Proposed Capacity

1.	Rolling Mill, IF	TMT Bars, MS Billets / Ingots, MS Angle Channel, Rolling Product, Missroll & cutting	18000 MTPA	TMT Bars, MS Billets / Ingots, MS Angle Channel, Rolling Product, Missroll & cutting	80000 MTPA
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Existing Induction Furnace – 1 No – 10 TPH  
 Proposed Induction Furnace – 1 Nos. 12 TPH  
 Project Cost – 15.0 Crores (including Existing & proposed)

**Raw Material Requirement**

S.No.	Raw Material	Qty (Existing)	Qty (Proposed)	Source	mode of transportation
1	MS Scrap /Sponge Iron	20000 MTPA	88 000 MTPA	Indigenously Available	By Roads
2	Ferro Alloys	180 MTPA	600 MTPA	Indigenously Available	

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

1. DFO certificate should submit with EIA report.
2. Monitoring stations should be located in such a way that they cover maximum nearby villages in the NE & SE direction.
3. Risk Assessment Plan with proposed safety measures should be studied in the EIA report.
4. Details of DG set proposed for installation should be submitted in EIA report.
5. Provision for heat recovery should be studied and discussed in the EIA report.
6. Methods proposed for water conservation should also be discussed in the EIA report.
7. Options of best available technologies (BAT) for manufacturing and pollution control in this manufacturing sector should be studied and discussed in the EIA report.
8. Green belt development Plan with numbers, species and area earmarked should be detailed out in the EIA report with the inventory of existing trees. If any tree falling is proposed same should be discussed in the EIA report.
9. Cost benefit analysis should be carried out and discussed in the EIA report.
10. The EIA report should clearly mention activity wise EMP and CSR 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 CSR cost should be

detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.

11. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
12. 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.
13. 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.
14. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
15. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
16. Details of Environmental Cell & CSR committee.
17. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

PP has submitted the EIA report vide letter dated 03/08/2018, which was forwarded by the SEIAA vide letter no 1255 dated 06/08/18.

EIA was presented by the PP and their consultant wherein

S, No	Particulars	Details
1	Name of the project & its location:	Om Smelters and Rollers Pvt. Ltd. Khasra No. 251, 274/2, 274/3, 283, 284, 285, 287/1, Village- Bharthari, Terhsil Chinour, Dist. Gwalior
2.	Name of the Company, Address Tele No. & E-mail :	Om Smelters and Rollers Pvt. Ltd. Prem Prakash Sadan, Behind Radhika Mandapam, Gwalior Road, Jhansi. (U.P.) Phone No. 0510-2471054 Mob. No. 9889814889 Email: <a href="mailto:omsmelter@gmail.com">omsmelter@gmail.com</a>
3	Latitude and Longitude of the project	25 <sup>0</sup> 59'25.28 to 25 <sup>0</sup> 59'31.59" N 78 <sup>0</sup> 15'0.55" to 78 <sup>0</sup> 15'10.13" E

4	If a Joint venture, the names & addresses of the JV partners including their share	Its Private Limited Company Kapil Bansal- Director  Address- Prem Prakash Sadan, Behind Radhika Mandapam, Gwalior Road, Jhansi. (U.P.)
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	Its expansion of the existing industry, the Industry is in operation since 2015, with valid Water & Air Consent from M. P. Pollution Control Board for the production capacity 18000 MTPA and now going for expansion from 18000 MTPA to 80000 MTPA
6	Cost of the project :	Rs. 15.0 Crores
7	Whether the project is in the Critically Polluted Area (CPA):	No
8	If the project is for EC under EIA Notification, 2006 a. For the first time appraisal by EAC (i) Date of ToR: (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP b. Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.	Is a fresh case for EC
9.	If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.	Not applicable
10	If the project falls within 10 km of eco- sensitive area (i) Name of eco- sensitive area and distance from the	No eco- sensitive area within 10 km from project site.



	project site, (ii) status of clearance from National Board for wild life.	
11	<p>Waste Management (i) Water requirement, source, status of clearance (ii) Waste water quantity, treatment capacity, detail (iii) Recycling/reuse of treated water and disposal (iv) Solid Waste Management (v) Hazardous Waste Management.</p>	<p>Water requirement would be 100 kld, mainly required for Cooling purpose and domestic usages. Source – Ground water. Trade effluent will be nil and waste water from domestic use shall be 8 kld, which will be treated in STP of 10 kld capacity. The STP will comprise of equalization tank, Primary Clarifier, Aeration, Secondary Clarifiers, and will work on activated sludge process. The entire treated water will be used for plantation and gardening purpose. Main solid waste will be generated in form of Iron Slag of 12000 MTPA, which will be used for road making and filling low line area after iron recovery. The Hazardous waste will be spent oil and lubrication oil of 1.5 kld will be given to the recyclers as per the provision of Hazardous Waste Management Rules.</p>
12	<p>Other details (i) Noise Modeling with noise control measures for airports (ii) Details of water bodies, impact on drainage if any (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20 % of construction projects and 33 % for others) (vi) Parking requirement with provision made.</p>	<p>No water body exists in the project area, no tree cutting is required. Direct hot billets shall be used for making TMT Bars which avoids the addition of Re Heating furnace, which saves fuel like FO/Coal. Greenbelt will be developed in 18800 sqm of the project area. Adequate parking arrangement shall be provided as the 22487 sqm land is left open.</p>
13	If the project involves foreshore facilities (i)	Not applicable

	Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan.	
14	If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information :	Not Applicable
15	Other information (i) Investment/Cost of the project is ----- (ii) Employment potential ----- (iii) Benefits of the project - -----	Investment/Cost of the project is Rs. 15.00 Crores Employment potential 100 Nos direct and 50 Nos indirect  employment to 100 Nos of project and revenue / taxes to Govt. in form of excise duties
16	Date of Ground water clearance:	Not obtained, will apply for permission to for abstraction of ground water from regulatory authority.
17	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost	EMP

and recurring cost.	<b>Sr. No.</b>	<b>Particular</b>	<b>Capital Cost (Rs. In Lakhs)</b>	<b>Recurring Cost</b>	<b>Time line</b>
	1	Air Pollution Control	300.0	150.0	Within 6 months
	2.	Rain water harvesting	1.5	0.50	Exists
	3.	Emission monitoring at source and ambient air quality monitoring	--	3.70	Six monthly
	4.	Green belt development	7.5	1.5	Regular activity
	5.	Establishment of environmental management cell and environmental monitoring	0.5	0.5	Exists
	6.	Sewage Treatment Plan (STP)	35.0	8.0	Before 31 <sup>st</sup> Dec 2018.
	7.	Storage of spent oil	0.25	0.10	Within 2 month
		<b>Total capital expenditure</b>	<b>313.5</b>	<b>164.3</b>	
	<b>CSR Activity and Budget</b>				
	<b>S. No.</b>	<b>CSR Field</b>	<b>Fund allocated</b>	<b>Recurring</b>	<b>Time line</b>

		1	Infrastructure development through Panchayat Barthari	500000/-	200000/-	Yearly activity
		2.	Pacca Road from Factory Gate to Highway – 500m	1000000/-	200000/-	Within 6 months
		3	Heath Check up Camps in Village Manpur, Barthari including eye camps,	50000/-	50000/-	Six monthly
		3	Religious purpose	100000/-	100000/-	as required
		4	others	20000/-	20000/-	As required
			Total	1670000/-	570000/-	
18	Number of plantation with name of species proposed in area allotted for plantation with budgetary provision.	Greenbelt will be developed in 18800 sqm of the project area, 1500 Nos. of Plants and species shall be planted all around the factory area, the budget for plantation will be Rs. 750000/-				
19	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	No.				

PP submitted that its expansion of the existing industry, which is in operation since 2015 with valid Water & Air Consent from M. P. Pollution Control Board. The proposed expansion is

from 18000 MTPA to 80000 MTPA. Water requirement would be 100 kld, mainly required for Cooling purpose and domestic usages. Trade effluent will be nil and waste water from domestic use shall be 8 kld, which will be treated in STP of 10 kld capacity. The STP shall comprise of equalization tank, Primary Clarifier, Aeration, Secondary Clarifiers and shall work on activated sludge process. The entire treated water will be used for plantation and gardening purpose. Main solid waste will be generated in form of Iron Slag of 12,000 MTPA, which will be used for road making and filling low line area after iron recovery. The Hazardous waste will be spent oil and lubrication oil of 1.5 kld will be given to the recyclers as per the provision of Hazardous Waste Management Rules. After presentation and discussion following information was asked to submit by the PP:

1. Revised CSR incorporating the cost of road maintenance from factory to the highway which is also used by the common people and development of community facilities.
2. Process lay diagram is to be submitted by the PP.

PP vide letter dated 16/08/2018 has submitted the reply of above queries and the same was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable hence committee decided to recommend the case for grant of Prior Environment Clearance for Expansion of Production Capacity from 18000 MTPA to 80000 MTPA of Mini Steel Plant at Khasro no.- 251, 274/2, 274/3, 283, 284, 285, 287/1, Village- Bharteri, Tehsil - Chinor, Dist. Gwalior (MP) subject to the following special conditions:

### **I 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 concerned Madhya Pradesh Pollution Control Board.
2. The project proponent shall obtain the necessary permission from the Central Ground Water Authority for drawl of 100 KLD ground water required for the project.
3. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

### **II. 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 vide G.S.R 277 (E) dated 31" March 2012 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 laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories
3. The project proponent shall install manual systems to carryout 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 S02 and NOx in reference to S02 and NOx 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.
4. 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.
5. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
6. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly. As committed by PP one road sweeping machine shall also be provided to control fugitive emissions.
8. 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.
9. The project proponent shall use leak proof trucks/dumpers for carrying raw materials and cover them with tarpaulin.
10. The project proponent shall provide covered sheds for raw materials like scrap and sponge etc.

11. The project proponent shall provide primary and secondary fume extraction system of adequate capacity at all melting furnaces.
12. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, oil and cellars.

### **III. Water quality monitoring and preservation**

1. The project proponent shall carryout monitoring of effluent with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31" March 2012 from labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. 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 recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3. The project proponent shall submit monthly summary report of manual monitoring of ground water and effluent quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of MPPCB along with six-monthly monitoring report.
4. 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.
5. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
6. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
7. Garland drains and collection pits shall be provided for each stock pile of slag to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
8. The project proponent shall practice rainwater harvesting to maximum possible extent.

### **IV. Noise monitoring and prevention**

1. Acoustic enclosers shall be provided for 500 KVA DG set for controlling noise pollution.

2. 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.
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.

#### **V. Energy Conservation measures**

1. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2. Practice hot charging of slabs and billets/blooms as far as possible.
3. 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.
4. Provide the project proponent for LED lights in their offices and residential areas.

#### **VI. Waste management**

1. Used refractories shall be recycled as far as possible.
2. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
3. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
4. Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plants

#### **VII. Green Belt**

1. Green belt shall be developed in 9500 sq. meter area with total plantation of 1500 nos. of trees with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
2. 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.



### **VIII. 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 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.
3. 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.
4. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

### **IX. 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 report 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. 313.50 lacks and Rs. 164.30 lacks /year are proposed as recurring expenses and Rs. 07.50 lacks is proposed for green belt development in the proposed EMP of this project.
6. Under CSR activity, Rs. 16.70 lakhs with 05.70 laks recurring is proposed in different activities and should be implemented through respective committees.
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. - 5718/2018 M/s Satrang Steel & Alloys (P) Ltd, 1527/1A, Jankipuram, Civil Lines, Jhansi, (U.P.) – 284001. Prior Environment Clearance for Expansion of Mini Steel Plant for Production Capacity 21,000 MTPA to 55,000 MTPA for manufacturing of Billets/Iron Bars, at Plot No. 7, New Industrial Area-II, Mandideep, Distt. - Raisen, (M.P.) Land Available – 2,40,000 sqft. Cat. 3 (a) Metallurgical Industries (Ferrous & Non Ferrous).**

This is a rolling mill Mini Steel Plant project. All non –toxic secondary metallurgical processing industries manufacturing >5000 tones/annum metal components are covered under the EIA Notification 2006 as amended 2009 and are mentioned at SN 3(a) Metallurgical Industries (Ferrous & Non Ferrous) Subcategory B “All other non –toxic secondary metallurgical processing industries”. Hence these projects are required to obtain prior EC before establishment.

Further as the project area is located in Notified Industrial Area, Mandideep, District Raisen, Madhya Pradesh, and the proposed capacity of the plant is less than 60,000 Metric Ton Per Annum, therefore as per the Office Memorandum issued by MOEF, GoI, vide dtd. 24th December 2013, its comes under the preview of B-2 Category.

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

**Salient features of the project:**

S. No.	Particulars	Details
1	Location	Plot No. 7, New Industrial area, Mandideep, Distt. Raisen
2	Nearest Highway	NH-12– 500 m.
3	Nearest Railway Station	Mandideep – 2.5 km
4	Nearest Village / Township	Mandideep – 1.0 km
5	Nearest Airport	Bhopal – 28.0 km
6	Nearest Major city	Bhopal – 20.0 km
7	Nearest River	Non within 10 km radius
8	Ecologically Sensitive Zones (National, parks, Wildlife Sanctuaries)	Non within 10 km radius

**Land use break - up**

Particular	Size in sqm
Shad 1	2299.00
Shed 2	2371.00
Shad 3	279.89
Shed 4	129.94
Temple	09.15
Toilet Block	27.0
Material room	97.34
Store room	71.33
Water Tank 1 & 2	310.00
Office Block	22.39
Dharam kata, Gaurad Room & Lab	35.00
Total	Say 5651.88
Open Area/ Plantation	16652.00 (74% of total area)

The case was presented by the PP and their consultant wherein following details were submitted:

S, No	Particulars	Details
1	Name of the project & its location:	M/s Satrang Steels &Alloys Private Limited Plot No.- 07, New Industrial Area – II, Mandideep Tehsil Goharganj, District Raisen
2.	Name of the Company, Address Tele No. & E-mail :	Shri Mukesh Kumar Bansal- Director M/s Satrang Steels &Alloys Private Limited Plot No.- 07, New Industrial Area – II, Mandideep Tehsil Goharganj, District Raisen <a href="mailto:info@satrangsteel.com">info@satrangsteel.com</a> 9425017094
3	Latitude and Longitude of the project	23° 05'26.70"N to 23° 05'29.78"N 77°31'32.90"E to 77°31'38.11"E

4	If a Joint venture, the names & addresses of the JV partners including their share	It's a private Limited Company
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	It's a expansion in production capacity of existing mini steel plant.  Existing capacity - 21000 MTPA – Iron Bar/MS Ingots , Billets other Rolling Product Proposed Capacity - 55000 MTPA – Billets/Iron Bar
6	Cost of the project :	Rs. 17.0 Crores
7	Whether the project is in the Critically Polluted Area (CPA):	No
8	If the project is for EC under EIA Notification, 2006 a. For the first time appraisal by EAC (i) Date of ToR: (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP b. Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.	Is a fresh case for EC
9.	If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.	Not applicable
10	If the project falls within 10 km of eco-sensitive area (i) Name of eco- sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life.	No eco- sensitive area within 10 km from project site.
11	Waste Management (i)Water requirement, source, status of clearance (ii) Waste water quantity, treatment capacity, detail (iii) Recycling/reuse of treated water and disposal (iv) Solid Waste Management (v) Hazardous Waste Management.	Water requirement would be 58 kld, mainly required for Cooling purpose 50 kld and domestic usages 8kld. Source – MPAKVN Bhopal. Trade effluent will be nil and waste water from domestic use shall be 5 kld, which will be taken to septic tank attached with soak pit. Main solid waste will be

		generated in form of Iron Slag of 3000MTPA, which will be used for road making and filling low line area after iron recovery. The Hazardous waste will be spent oil and lubrication oil of 1.5 kld will be given to the recyclers as per the provision of Hazardous Waste Management Rules.
12	Other details (i) Noise Modeling with noise control measures for airports (ii) Details of water bodies, impact on drainage if any (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20 % of construction projects and 33 % for others) (vi) Parking requirement with provision made.	No water body exists in the project area, no tree cutting is required. Direct hot billets shall be used for making TMT Bars which avoids the addition of Re Heating furnace, which save fuel like FO/Coal. Greenbelt will be developed in 7360 sqm of the project area. Adequate parking arrangement shall be provided as the 9000 sqm land is left open.
13	If the project involves foreshore facilities (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan.	Not applicable
14	If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information :	Not Applicable
15	Other information (i) Investment/Cost of the project is ----- (ii) Employment potential ----- (iii) Benefits of the project -----	Investment/Cost of the project is Rs. 17.00 Crores. Employment potential 100 Nos direct and 50 Nos indirect. Employment to 100 Nos of project and revenue / taxes to Govt. in form of excise duties
16	Date of Ground water clearance:	Not obtained, will apply for permission to for abstraction of ground water from regulatory authority.

17	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.	<p><b>EMP During Operation Phase</b></p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Particular</th> <th>Total Cost (Rs. In Lakhs)</th> <th>Recurring Cost (in Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Air Pollution Control Equipments</td> <td>150.0</td> <td>5.0</td> </tr> <tr> <td>2</td> <td>Green belt development</td> <td>5.0</td> <td>1.0</td> </tr> <tr> <td>3.</td> <td>Sewage Treatment Plant</td> <td>20.0</td> <td>2.0</td> </tr> <tr> <td></td> <td><b>Total</b></td> <td><b>175.0</b></td> <td><b>8.0</b></td> </tr> </tbody> </table> <p><b>CSR Activity</b></p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>CSR Field</th> <th>Annual budge</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Infrastructure development through AKVN</td> <td>100000/-</td> </tr> <tr> <td>2</td> <td>Training to the ITI Students of electrical / fitter branch with Stipend in factory</td> <td>300000/-</td> </tr> <tr> <td>3.</td> <td>Additional Plantation of 1000 Nos. of saplings in consultation with Forest Dept/MPPCB.</td> <td>500000/-</td> </tr> <tr> <td></td> <td><b>Total</b></td> <td><b>9,00,000/-</b></td> </tr> </tbody> </table>	Sr. No.	Particular	Total Cost (Rs. In Lakhs)	Recurring Cost (in Lakhs)	1	Air Pollution Control Equipments	150.0	5.0	2	Green belt development	5.0	1.0	3.	Sewage Treatment Plant	20.0	2.0		<b>Total</b>	<b>175.0</b>	<b>8.0</b>	S. No.	CSR Field	Annual budge	1	Infrastructure development through AKVN	100000/-	2	Training to the ITI Students of electrical / fitter branch with Stipend in factory	300000/-	3.	Additional Plantation of 1000 Nos. of saplings in consultation with Forest Dept/MPPCB.	500000/-		<b>Total</b>	<b>9,00,000/-</b>
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18	Number of plantation with name of species proposed in area allotted for plantation with budgetary provision.	<p><u>Greenbelt Development</u> Existing Plantation- 300 No. Variety – Neem &amp; Gulmohar Proposed plantation – 1200 Nos. Variety - Neem &amp; Gulmohar Budget – 5,00,000/- Area for plantation:- 7300 sqm</p>																																			

19	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	No.
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During presentation it was submitted by the PP that ater requirement would be 58 kld (mainly required for Cooling purpose 50 kld and domestic usages 8kld). The source of water supply is MPAKVN Bhopal. Trade effluent will be nil and waste water from domestic use shall be 5 kld which will be taken to septic tank attached with soak pit. Main solid waste will be generated in form of Iron Slag of 3000MTPA which will be used for road making and filling low line area after iron recovery. The Hazardous waste will be spent oil and lubrication oil of 1.5 kld will be given to the recyclers as per the provision of Hazardous Waste Management Rules. After presentation and discussions following information was asked to submit by the PP:

1. Parking area should be marked on the layout map with number of estimated parking in the premises is to be submitted by the PP.
2. Mass balance chart to be submitted with its pollution control measures.
3. Budget for the Road sweeping machine to be provided by the PP.

PP vide letter dated 16/08/2018 has submitted the reply of above quarries and the same was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable hence committee decided to recommend the case for grant of Prior Environment Clearance for Expansion of Mini Steel Plant for Production Capacity -21,000 MTPA to 55,000 MTPA for manufacturing of Billets/Iron Bars, at Plot No. 7, New Industrial Area-II, Mandideep, Distt. - Raisen, (M.P.) subject to the following special conditions:

**I 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 concerned Madhya Pradesh Pollution Control Board.
2. The project proponent shall obtain the necessary permission from the Authority i.e. MPAKVN for drawl of 50 KLD water required for the project.
3. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

**II. 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 vide G.S.R 277 (E) dated 31<sup>st</sup> March 2012 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 laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories
3. The project proponent shall install manual systems to carryout 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 SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> 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.
4. 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 MPPCB along with six monthly monitoring report.
5. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
6. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly. As committed by PP one road sweeping machine shall also be provided to control fugitive emissions.
8. 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.
9. The project proponent shall use leak proof trucks/dumpers carrying raw materials and cover them with tarpaulin.
10. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron etc.

11. The project proponent shall provide primary and secondary fume extraction system of adequate capacity at all melting furnaces.
12. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, oil, and cellars.

### **III. Water quality monitoring and preservation**

1. The project proponent shall carryout monitoring of effluent with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31" March 2012 from labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. 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.
3. The project proponent shall submit monthly summary report of manual monitoring of ground water and effluent quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of MPPCB along with six-monthly monitoring report.
4. 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.
5. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
6. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31<sup>st</sup> March 2012 (applicable to IF/EAF) as amended from time to time.
7. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
8. The project proponent shall practice rainwater harvesting to maximum possible extent.

### **IV. Noise monitoring and prevention**

1. Acoustic enclosures shall be provided for 320 KVA DG set for controlling noise pollution.

2. 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.
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.

**V. Energy Conservation measures**

1. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2. Practice hot charging of slabs and billets/blooms as far as possible.
3. 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.
4. Provide the project proponent for LED lights in their offices and residential areas.

**VI. Waste management**

1. Used refractories shall be recycled as far as possible.
2. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
3. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
4. Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plants.

**VII. Green Belt**

1. Green belt shall be developed in 1200 sq. meter area with total plantation of 1200 nos. of trees with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
2. 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.

**VIII. 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 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.
3. 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

**IX. 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 report 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.175 lacks and Rs. 08 lacks /year are proposed as recurring expenses. Rs.5.00 lacks is proposed for green belt development in the proposed EMP of this project.
6. Under CSR activity, Rs. 09.00 lakhs is proposed for the next 05 years in different activities and should be implemented through respective committees.
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.

**5. Case No. - 5719/2018 M/s Bhumija Ispat LLP, D-1003, Royal Classic CHS, Next to Citi Mall, Lokhandwala, New Link Road, Andheri West, Mumbai, (MH) – 400053. Prior Environment Clearance for Mini Steel Plant for Proposed Production Capacity – 59,000 MTPA for manufacturing of Billets, TMT Iron Bar, MS Billets, Misroll, End Cutting and Other Rolled Products at Plot No. 35, Sector E-IV, Industrial Growth Centre, Maneri, Distt. - Mandla (M.P.) Cat. 3 (a) Metallurgical Industries ( Ferrous & Non Ferrous).**

This is a rolling mill Mini Steel Plant project. All non –toxic secondary metallurgical processing industries manufacturing >5000 tones/annum metal components are covered under the EIA Notification 2006 as amended 2009 and are mentioned at Sr. 3(a), Metallurgical Industries (Ferrous & Non Ferrous) Subcategory B “All other non –toxic secondary metallurgical processing industries”. Hence these projects are required to obtain prior EC before establishment.

Further as the project area is located in Notified Industrial Area, Maneri, Mandla Madhya Pradesh, and the proposed capacity of the plant is less than 60,000 Metric Ton Per Annum, therefore as per the Office Memorandum issued by MOEF, GoI, vide dtd. 24<sup>th</sup> December 2013, its comes under the preview of B-2 Category.

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

**Salient features of the project:**

S. No.	Particulars	Details
1	Location	Plot No. 35, Sector E-IV, Industrial Growth Centre Maneri
2	Nearest Highway	Jabalpur – Manda Road - 0.08 km.
3	Nearest Railway Station	Jabalpur- 28.0 km
4	Nearest Village / Township	Medhi Village – 2.2 km
5	Nearest Airport	Jabalpur – 26.0 km
6	Nearest River	Nallh – 3.5 km, & Medhi Pond is 1.8 km
7	Ecologically Sensitive Zones (National, parks, Wildlife Sanctuaries)	Non within 10 km radius

**Land use break - up**

Covered Shed for IF, Rolling Mill, CCM & Scrap Yard	8820 sqm
ADM Block	240 sqm
Raw Water Tank	550 sqm
Internal Roads	1880 sqm
Proposed Plantation	9500 sqm
Open Area	7010 sqm
<b>Total</b>	<b>28000 sqm</b>

**Budget for Environmental Protection:**

Sr. No.	Particular	Cost (Rs. In Lakhs)	Recurring Cost (in Lakhs)
1	Air Pollution Control Equipments	150.0	60.0
2	Green belt development	0.0	1.5
3.	Septic Tank & Soak Pit	5.0	2.0
4.	Noise control , silencers, acoustic enclosures	5.0	2.0
5.	Solar evaporation tank, size – 3mx2mx1m	4.0	1.0

The case was presented by the PP and their consultant, wherein following details were submitted:

S, No	Particulars	Details
1	Name of the project & its location:	Bhumiji Ispat LLP Plot No.- 35, Sector –E – IV Industrial Growth Center Maneri Niwas Mandla Madhya Pradesh
2.	Name of the Company, Address Tele No. & E-mail :	Shri Mukesh Kumar Bansal M/S Bhumija Ispat LLP D-1003 Royal Classic CHS, Next To Citi Mall,

		Lokhandwala, New Link Road, Andheri West, Mumbai- 400053
3	Latitude and Longitude of the project	Latitude : 23 <sup>0</sup> 05'39" N Longitude : 80 <sup>0</sup> 11'25"E
4	If a Joint venture, the names & addresses of the JV partners including their share	Its LLP Shri Mukesh Kumar Bansal - designated partner M/S Bhumija Ispat LLP D-1003 Royal Classic CHS, Next To Citi Mall, Lokhandwala, New Link Road, Andheri West, Mumbai- 400053
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	New Project of mini steel plant to produce Billets, TMT Iron Bar, MS Billets, Misroll, End Cutting & Other Rolled Products by Induction furnace (2 Nos. x 12 T)  Total project area – 28000 sqm  Land use – Industrial
6	Cost of the project :	Rs. 15.0 Crores
7	Whether the project is in the Critically Polluted Area (CPA):	No
8	If the project is for EC under EIA Notification, 2006 a. For the first time appraisal by EAC (i) Date of ToR: (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP	Is a fresh case for EC



	b. Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.	
9.	If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.	Not applicable
10	If the project falls within 10 km of eco- sensitive area (i) Name of eco-sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life.	No eco- sensitive area within 10 km from project site.
11	Waste Management (i)Water requirement, source, status of clearance (ii) Waste water quantity, treatment capacity, detail (iii) Recycling/reuse of treated water and disposal (iv) Solid Waste Management (v) Hazardous Waste Management.	Water requirement would be 88 kld, mainly required for Cooling purpose 80 kld and domestic usages 8kld. Source – MPAKVN Jabalpur. Trade effluent will be nil and waste water from domestic use shall be 5 kld, which will be taken to septic tank attached with oak pit. Main solid waste will be generated in form of Iron Slag of 4000MTPA, which will be used for road making and filling low line area after iron recovery. The Hazardous waste will be spent oil and lubrication oil of 1.5 kld will be given to the recyclers as per the provision of Hazardous Waste Management Rules.

12	Other details (i) Noise Modeling with noise control measures for airports (ii) Details of water bodies, impact on drainage if ant (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20 % of construction projects and 33 % for others) (vi) Parking requirement with provision made.	No water body exists in the project area, no tree cutting is required. Direct hot billets shall be used for making TMT Bars which avoids the addition Re Heating furnace, which save fuel like FO/Coal. Greenbelt will be developed in 9500 sqm of the project area. Adequate parking arrangement shall be provided as the 7010 sqm land is left open.
13	If the project involves foreshore facilities (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan.	Not applicable
14	If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach	Not Applicable

	ambient parameters 9 (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information :																			
15	Other information (i) Investment/Cost of the project is ----- (ii) Employment potential ---- -- (iii) Benefits of the project -----	Investment/Cost of the project is Rs. 15.00 Crores Employment potential 100 Nos direct and 50 Nos indirect  employment to 100 Nos of project and revenue / taxes to Govt. in form of excise duties																		
16	Date of Ground water clearance:	Not obtained, will apply for permission to for abstraction of ground water from regulatory authority.																		
17	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.	<p>EMP During Operation Phase</p> <table border="1"> <thead> <tr> <th>Particular</th> <th>Cost (Rs. In Lakhs)</th> <th>Recurring Cost (in Lakhs)</th> </tr> </thead> <tbody> <tr> <td>Air Pollution Control Equipments</td> <td>150.0</td> <td>60.0</td> </tr> <tr> <td>Green belt development</td> <td>0.0</td> <td>1.5</td> </tr> <tr> <td>Septic Tank &amp; Soak Pit</td> <td>5.0</td> <td>2.0</td> </tr> <tr> <td>Noise control , silencers, acoustic enclosures</td> <td>5.0</td> <td>2.0</td> </tr> <tr> <td>Solar evaporation tank, size – 3mx2mx1m</td> <td>4.0</td> <td>1.0</td> </tr> </tbody> </table>	Particular	Cost (Rs. In Lakhs)	Recurring Cost (in Lakhs)	Air Pollution Control Equipments	150.0	60.0	Green belt development	0.0	1.5	Septic Tank & Soak Pit	5.0	2.0	Noise control , silencers, acoustic enclosures	5.0	2.0	Solar evaporation tank, size – 3mx2mx1m	4.0	1.0
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		Total	164.0	66.5
		CSR Activity		
		CSR Field	Fund allocated	
		Health Camps – twice in a year at Village Mendhi and Maneri a Check up for – BP, Sugar & Asthma, Lugs Fuction	100000/-	
		To develop sanitation facility of the local Villages in consultation with the local administration.	120000/-	
		Training to ITI students as “skill development” in rolling mill	300000/-	
		Plantation in Community area with consutation with local administration	500000/-	
		Supply of MS Rods for making drinking water supply arrangement in nearby area	500000/-	
		Total	1520000/-	
18	Number of plantation with name of species proposed in area allotted for plantation with budgetary provision.	Greenbelt will be developed in 9500 sqm of the project area, 1500 Nos. of Plants and species shall be planted all around the factory area, the budget for plantation will be Rs. 750000/-		

19	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	No.
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After presentation and discussions PP was asked to submit response on following:

1. Proposed EMP for the Pre-construction phase, during construction and Post construction phase has to be submitted by the PP along with budget allocations.
2. Budget allocation for PPE's to be provided to their employees.
3. Road sweeping machine to be provided by the PP and budget allocations for the same shall be submitted.

PP vide letter dated 16/8/2018 has submitted the reply of above quarries and the same was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable hence committee decided to recommend the case for grant of Prior Environment Clearance for Mini Steel Plant for Proposed Production Capacity – 59,000 MTPA for manufacturing of Billets, TMT Iron Bar, MS Billets, Misroll, End Cutting and Other Rolled Products at Plot No. 35, Sector E-IV, Industrial Growth Centre, Maneri, Distt. - Mandla (M.P.) subject to the following special conditions:

**I. 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 concerned Madhya Pradesh Pollution Control Board.
2. The project proponent shall obtain the necessary permission from the Central Ground Water Authority for drawl of 88 KLD ground water required for the project.
3. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

**II. 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 vide G.S.R 277 (E) dated 31" March 2012 and connected to MPPCB and CPCB online servers and calibrate these system from time to

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2. 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
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4. 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.
5. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
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1. The project proponent shall carryout monitoring of effluent with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31" March 2012 from labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
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8. The project proponent shall practice rainwater harvesting to maximum possible extent.

**IV. Noise monitoring and prevention**

1. Acoustic enclosures shall be provided for 1500 KVA DG set for construction Phase and 9900 KVA DG Set during Operation phase to operate two inductions Furnaces for controlling noise pollution.
2. 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.
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.

**V. Energy Conservation measures**

1. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2. Practice hot charging of slabs and billets/blooms as far as possible.
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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 report 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. 178.50 lacks and Rs. 66.50 lacks /year are proposed as recurring expenses out of which Rs. 07.50 lacks is proposed for green belt development and Rs. 01.50 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
6. Under CSR activity, Rs. 15.20 is proposed for the next 05 years in different activities and should be implemented through respective committees.
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.
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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.

**6. Case No. - 5649/2018 M/s Enaltec Labs Pvt. Ltd, Plot No. 825, 826, Pitampur Industrial Area, Sector - III, Taluka - Dhar, Dist. Dhar, MP – 454775 Prior Environment Clearance for API Manufacturing Unit in Plot No. 825, 826,827, Total capacity: 324.437 MT/A. Pitampur Industrial Area, Sector - III, Taluka - Dhar, Dist. Dhar, (M.P.) Cat. 5(f) Synthetic Organic Chemicals Industry (Bulk Drug) Project. EIA Presentation, Env. Consultant- M/s Sadekar Enviro Engineers Pvt.Ltd.**

The project is covered under the provisions of EIA Notification as item no. 5(f), hence it requires prior EC before commencement of activity at site.

Earlier this case was presented by the PP and their consultant in 309<sup>th</sup> SEACmeeting dated 23/03/2018, wherein it was recorded that: The submissions and the presentation made by the PP and his consultant revealed following:

**1. Name of the project & its location:**

- M/s Enaltec Labs Pvt Ltd. The proposed project is located at plot no. 825,826 & 827 Pitampur Industrial Area, Sector – III, District - Dhar, Madhya Pradesh, India.

**2. Name of the Company, Address Tele No. & E-mail :**

- **Name of the Company** - M/s Enaltec Labs Pvt. Ltd.
- **Registered Address** - 1706, 17<sup>th</sup> Floor, Kesar Solitaire, Plot No. 5, Sector 19, Sanpada, Navi Mumbai – 400 705, India.
- **Telephone No.** - 91-22-6750 7000,
- **Fax** - 91-22-6750 7070
- **E-mail** - dhananjay.phalak@enaltec.com

**3. Latitude and Longitude of the project.**

- Latitude and longitude of the proposed project plot are given in the table below,

Sr. No.	Latitude	Longitude	Sr. No.	Latitude	Longitude
1	22°37'17.33"N	75°34'23.97"E	5	22°37'14.33"N	75°34'16.74"E
2	22°37'14.76"N	75°34'23.90"E	6	22°37'14.34"N	75°34'20.24"E
3	22°37'11.14"N	75°34'23.69"E	7	22°37'14.72"N	75°34'20.23"E
4	22°37'12.23"N	75°34'16.65"E	8	22°37'17.26"N	75°34'20.25"E

**4. If a Joint venture, the names & addresses of the JV partners including their share.**

➤ Not Applicable.

**5. Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.**

➤ The proposed project is a new activity wherein a new plot has been purchased by the project proponent along with some existing structures and utilities. The plot has been purchased from Namokar Speciality Chemicals Pvt. Ltd. The registration of the unit has been done at Plot no – 825 & 826, Pitampur Industrial Area Sector – III, District – Dhar, State – Madhya Pradesh has been done with Madhya Pradesh Audyogik Kendra Vikas Nigam Indore Ltd whereas Plot no – 827 has been purchased from MPAKVN.

Area Details	Area in sq. m.
<b>Total plot Area</b>	27015.1
<b>Built up area</b>	5750.54
<b>Green belt</b>	8915

**Connectivity to the site –**

The Pithampur industrial area has well maintained internal roads which are connected to Mhow – Ghatbollid Road which is further connected to NH3 (Mumbai Agra Highway) in the East direction and NH – 59 to the West direction.

**6. Cost of the project.**

➤ The total project cost will be 48.4 Crores.

**7. Whether the project is in Critically Polluted area.****8. No, the proposed project is not located in Critically Polluted Area.****9. If the project is for EC under EIA Notification, 2006.**

a) **For the first time appraisal by EAC – Project submitted to EAC : 18.08.2017**  
- Accepted by Member Secretary: 29.08.2017

(i) **Date of ToR:** Standard ToR granted by MoEF: 29.09.2017

- (ii) **Date of Public Hearing, location** – Public hearing is not applicable
- (iii) **Major issues rose during PH and response of PP** – Not Applicable, Industry located in Notified Industrial Area.

b) **Second appraisal**

- (i) **Date of first /earlier appraisal:** Not Applicable
- (ii) **Details of the information sought by the EAC with the response of the PP.**  
Not Applicable.

**10. If the project involves diversion of forest land**

NA, The proposed project is located in notified industrial area.

- (i) **Extend of the forest land** – Not Applicable.
- (ii) **Status of forest clearance** – Not Applicable.

**11. If the project falls within 10 km of eco - sensitive area.**

Not Applicable. The proposed projects do not fall within 10 km of eco - sensitive area.

- (i) **Name of eco- sensitive area and distance from the project site.**

Not Applicable

- (ii) **(ii) Status of clearance from National Board for wild life.**

Not Applicable

**12. Waste Management**

- (i) **Water requirement, source and status of clearance.**

The total requirement of water for the proposed project will be 143 CMD. The water will be sourced from MP AKVN.

- (ii) **Waste water quantity, treatment capacity, detail.**

The total amount of waste water generated will be Industrial effluent – 43.7 CMD & Domestic Effluent – 7.2 CMD.

The proposed project will be a ZLD unit. A fully fledged ETP with MEE followed by ATFD and R.O plant will be installed. The treated effluent will be entirely recycled within the plant premises. The domestic effluent will be treated in the aeration tank of the ETP.

**(iii) Recycling / reuse of treated water and disposal.**

Entire effluent will be recycled within the company and reused by means of a fully fledged ETP with MEE followed by ATFD and R.O plant.

**(iv) Solid Waste Management**

All the solid waste generated within the company will be sold to MPCB authorized Scrap vendors.

<b>Sr. No</b>	<b>Particulars</b>	<b>TPM</b>	<b>Method of Disposal</b>
1	Plastic waste, plastic wrappers, scrap	0.1	Sold to approved scrap dealers

**(V) Hazardous Waste Management**

All the Hazardous waste generated within the company will be disposed off through CHWTSDF / Authorized recycler.

<b>Sr. No.</b>	<b>Particulars</b>	<b>Category</b>	<b>Proposed TPM</b>	<b>Method of Disposal</b>
i.	Hyflo and carbon waste	28.3	1.5	To CHWTSDF
ii.	Spent Solvent	28.6	555	To the authorized recycler
iii.	Process/solid waste	28.1	5	To CHWTSDF
iv.	Catalyst waste	28.2	1.5	To authorized recycler
v.	Spent Oil	5.1	0.2	To CHWTSDF
vi.	Distillation residue	36.1	5	To CHWTSDF
vii.	Off specification products	28.5	0.1	To CHWTSDF
viii.	Date expired products	28.5	0.1	To CHWTSDF

ix.	ETP Sludge	35.3	3	To CHWTSDF
x.	MEE Residue	37.3	82	To CHWTSDF
xi.	Discarded containers	33.1	1	To authorized recycler

**13. Other details**

**(i) Noise Modeling with noise control measures for airports**

Not Applicable

**(ii) Details of water bodies, impact on drainage if any –**

The proposed project will operate as a ZLD unit. All the waste water generated from the industrial activities and domestic effluent will be treated in a fully fledged ETP with MEE followed by ATFD and R.O plant. The treated effluent will be entirely recycled within the plant premises. The domestic effluent will be treated in the aeration tank of the ETP. None of the effluent generated within company premises will be discharged in the drainage or in the water body.

**(iii) Details of tree cutting**

**(iv) The plot is devoid of any vegetation, there are no trees which need to be cut.**

**(v) Energy conservation measures with estimated saving – There are no alternate sources of energy conservation which have been explored.**

**(vi) Green belt development (20 % of construction projects and 33 % for others) – Area provided for green belt is 8915 sq. mtr.**

**(vii) Parking requirement with provision made -**

Sufficient area for parking will be provided

**14. If the project involves foreshore facilities Not Applicable.**

**(i) Shoreline study - Not Applicable**

**(ii) Dredging details, disposal of dredge material – Not Applicable.**

**(iii) Reclamation – Not Applicable.**

**(iv) Cargo handling with dust control measures – Not Applicable.**

**(v) Oil Spill Contingent Management Plan – Not Applicable.**

**15. If the project involves Marine disposal – Not Applicable**

(i) **NOC from PCB in case of marine disposal – Not Applicable**

(ii) **Details of modeling study – details of outfall diffusers, number of dilution**

**expected, distance at which the outlet will reach ambient parameters – Not Applicable, it is a ZLD project.**

(iii) **Location of intake / outfall. Quantity – Not Applicable, it is a ZLD project**

(iv) **detail of monitoring at outfall - Not Applicable, it is a ZLD project**

(v) **Any other relevant information : Not Applicable, it is a ZLD project**

**16. Other information**

(i) **Investment/Cost of the project is Rs 48.4 Crores**

(ii) **Employment potential –**

**Construction Phase - 100-150 workers**

**Operational Phase – 180 workers per day ( 60 workers per shift)**

**(iii) Benefits of the project**

Overall benefits of the project are as follows:

- 1) The plant is located within Notified Industrial Area, therefore no human displacement or clearance of vegetation is envisaged.
- 2) The proposed project will be a ZLD unit, therefore water consumption of the project will lessen after first cycle of operation.
- 3) As the company is a new unit, Employment opportunities will be generated for local people.
- 4) Under CSR activities the company will focus on locale specific aspects such as education & skill development, Health awareness to the people, water and sanitation and various social activities.
- 5) Industry trust on employee's strength so management of the industry always promotes and maintains the safety conditions in and around the workers.
- 6) Starting of this project will reduce the present demand and supply gap for the same product, which will directly benefits to the end users of this products in terms of lower purchase cost.

Thus a significant benefit to the socio-economic environment is likely to be created due to the project.



**17.Date of Ground water clearance:** Not Applicable, Water will be provided by MP AKVN.

**18.Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.**

As per Standard ToR

**19.Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.** - Detailed list of native plants with budgetary allocation will be provided along with EIA report.

**20.Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details-**There are no such water bodies near the close vicinity of the project side.

During initial appraisal of the project in the 309<sup>th</sup> SEAC meeting dated 23/03/2018, it was observed by committee that it's an existing industry purchased from M/s Namokar specialities Chemicals Pvt. Ltd and located on plot no. 825 and 826, Pithampur IA, Sector-III. However, as per the Google image attached with the TOR presentation and the executive summery sent by PP after scheduling of the project for TOR presentation, the location is shown on plot no. 825, 826 and 827, Pithampur IA, Sector-III. It was noticed from the file that previously PP has obtained TOR from the MoEF&CC on plot no. 825 and 826, Pithampur IA, Sector-III and approached them for PH amendment. Thus PP was asked to rectify the above facts and submit the correct location of the proposed unit. If plot no. 827 is added to the project, revised form-1 with all necessary details such as land allotment, PFR, NOC's etc should be submitted by the PP through SEIAA.

During presentation, PP was also asked to provide the details of the existing unit such as existing machineries, previous products, generated wastes, stored wastes (if any), consent details, any direction issued from the MPPCB, compliance status of the previous consent, any construction taken place to access the violation status but no such details were produced by the PP which are essential for the grant of TOR. Considering above issues, committee decided to carryout site visit and the TOR will be prescribed based on the outcome of the site visit report.

Before the presentation of the case it was informed to the committee that a team comprising of Dr. R. Maheshwari and Dr. Rubina Chaudhary has carryout the inspection of above site on dated 18/05/2018.

Dr. Rubina Chaudhary presented in the meeting informed that during the inspection it was observed that no new equipments are installed and production is proposed using old reactors. Necessary cleanup and repairing operations of old reactors were taking place at the time of

inspection. It was also informed to the committee that PP has submitted revised form-1as recommended in the 309<sup>th</sup> SEAC meeting dated 23/03/2018 vide letter dated 16/04/2018 which was forwarded by SEIAA vide letter no. 86/SEIAA/18 dated 20/04/2018.

The case was presented by the PP and their consultant in the 318<sup>th</sup> SEAC meeting dated 21/06/2018. After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR:

1. PP should provide entire product mix in the EIA report.
2. Worst case scenario w.r.t. waste water and hazardous waste should be submitted.
3. Details of solvents and their recovery plan should be discussed in the EIA report.
4. VOC should be monitored in the AAQ.
5. All MSDS should be provided with the EIA report.
6. Industry has to comply with zero discharge for which necessary details should be provided in the EIA report.
7. Land use plans of the plant both existing land use as well as proposed land use and PP should assure that no existing green area shall be altered for which a written commitment be submitted with the EIA report.
8. Details of any waste at present lying within the plant premises and if yes, same should be discussed in the EIA report with its disposal plan.
9. Inventory of existing and proposed machinery and if any existing machinery proposed to be used same shall be presented in the EIA report.
10. PP should explore possibility of using Biofuel based technology in boilers.
11. The EIA report should clearly mention activity wise EMP and CSR 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 CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
12. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
13. 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.
14. 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.
15. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

PP has submitted EIA Report letter dated 17/07/18 which was forwarded through SEIAA vide letter no. 1161 dated 24/07/2018.

The EIA was presented by the PP and their consultant, wherein after presentation and discussions following information was asked to submit by the PP:

1. Details of solvent recovery have to be submitted by the PP.
2. Activity wise breakup of EMP.
3. Disaster management plan is to be submitted by the PP.
4. Photographs taken during monitoring is to be submitted by the PP.
5. Committeemen letter for sending fly ash to the bricks manufacturer.

PP vide letter dated 16.08.2018 submitted reply of the above query. The query reply was discussed 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 API Manufacturing Unit in Plot No. 825, 826,827, Total capacity: 324.437 MT/A. Pitampur Industrial Area, Sector - III, Taluka - Dhar, Dist. Dhar, (M.P.) Cat. 5(f) Synthetic Organic Chemicals Industry (Bulk Drug) Project subject to the following special conditions:

**(A) Statutory compliance:**

4. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
5. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
6. 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. The project proponent shall install system to 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 S02 and NOx in reference to S02 and NOx 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.
4. 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.
5. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
6. The DG sets (163 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.
7. 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.
8. 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 effluent shall (50 KLD) be segregated as high COD/High TDS and Low COD/Low TDS effluents. The HCOD/HTDS shall be neutralized and sent to stripper followed by MEE and ATFD. LCOD/LTDS effluent shall be treated in ETP with domestic effluent followed by RO system. The treated effluent shall be entirely reused and recycled in cooling tower make-up.
4. 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.
5. 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.
6. Total fresh water requirement shall not exceed 143 KLD and as proposed MPAKVN shall provide the fresh water.
7. 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.
8. 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.
9. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

**(D) Noise monitoring and prevention**

1. Acoustic enclosure shall be provided to 163 KVA DG 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 1150 KVA. The power will be supplied by Madhya Pradesh Electricity Board.

**(B) 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. 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.
3. 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.
4. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
5. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
6. 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.
7. 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.
8. 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.
9. 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.
10. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
11. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
12. 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.

13. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
14. 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.
15. 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 8914 sq. meter the total project area, mainly 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 in the EIA 1316 no's trees in four years 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**

5. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
6. 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.
7. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
8. 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.

9. 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.
10. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
11. 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**

9. 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.
10. 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.
11. 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.
12. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
13. The proposed EMP cost is Rs. 559.0 lakhs and 29.00 lakhs/year as recurring cost and out of which the Environment Monitoring Cost for the project is 7.0 lakhs and Rs. 3.0 lakhs is proposed for green belt development.
14. Under CER activity, Rs.7,62,166 per year are proposed for different activities.



15. 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.
16. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**X. Miscellaneous**

6. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  7. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
  8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  10. 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. - 5692/2018 Shri Omprakash Bhadrathia, Kant, P.O.Dhunao Thana, Dist. Gwalior, (M.P.) – 474006 Prior Environment Clearance for Expansion in Stone Mine from 30,000 MTPA to Max.- 2,80827 cu.m./Year, Lease Area - 8.0 Ha., Khasra No.- 01 at Village- Chandrapura, Tehsil - Gwalior, Distt. - Gwalior (M.P.).**

This is case of Expansion in Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. - 01 at Village- Chandrapura, Tehsil - Gwalior, Distt. - Gwalior (M.P.) 8.00. The project requires prior EC before commencement of any

activity at site.

PP has submitted a copy of approved Mining Plan, 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 (Ekal Praman Patra) vide letter no. 5341 dated 23/4/2018 has reported that there are 06 more mine operating or proposed within 500 meters around the said mine with total area of 38.519 ha including this mine.

Earlier this case was scheduled for the presentation in the 318<sup>th</sup> SEAC meeting dated 21/06/2017, wherein it was recorded that: 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. Committee decided to call the PP in subsequent meetings and in case the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

PP vide letter dated 14/08/2018 has requested to postpone the presentation as the their consultant is unable to attend this meeting, which was placed before the committee. Committee accepted the request made by the PP and decided to call the PP in 323<sup>rd</sup> SEAC meeting dated 18/08/2018 if time permits.

**8. Case No. - 5697/2018 Dy. Inspector General of Police (Works), Group Center, Centre Reserve Police Force (CRPF), Gwalior,( M.P.) – 474003. Prior Environment Clearance for Proposed Residential Colony in Existing CRPF Campus Area as C/o 1003 Nos. Staff Quarters (900 Nos. Type II, 54 Nos. Type III, 33 Nos. Type IV, 16 Nos. Type V quarters) at Khasra No. – 560/1, 543, 561/1 (1/4) (K1/2) Village - Nayagaon, Tehsil – Gwalior, Distt.- Gwalior, (M.P.). Total Plot Area – 2,07,860.00 m<sup>2</sup>, Total Construction Area – 72,946.48 m<sup>2</sup>. Cat. - 8(a) Building and Construction Projects. For Building Constuction. Env. Con. – Mantras Green Resources Ltd. Kalyan (Maharashtra).**

This is case of Prior Environment Clearance for Proposed Residential Colony in Existing CRPF Campus Area as C/o 1003 Nos. Staff Quarters (900 Nos. Type II, 54 Nos. Type III, 33 Nos. Type IV, 16 Nos. Type V quarters) at Khasra No. – 560/1, 543, 561/1 (1/4) (K1/2) Village - Nayagaon, Tehsil – Gwalior, Distt.- Gwalior, (M.P.). Total Plot Area – 2, 07,860.00 m<sup>2</sup>, Total Construction Area – 72,946.48 m<sup>2</sup>. Cat. 8(a) Building and Construction Projects.

PP has submitted EIA vide letter dated 22/05/18 which was forwarded through SEIAA vide letter no. 968 dated 08/06/2018.

Earlier this case was scheduled for the presentation in the 319<sup>th</sup> SEAC meeting dated 22/06/2018, wherein it was recorded that: 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. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled for the presentation, wherein it was recorded that: 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. PP was also absent in the 319<sup>th</sup> SEAC meeting dated 22/06/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

9. **Case No. - 5698/2018 Dy. Inspector General of Police (Works), Group Center, Centre Reserve Police Force (CRPF), Gwalior, (M.P.) Prior Environment Clearance for Proposed Construction of 5 Nos. 240 Men Barracks including Electrical Works for Group Centre Khasra No. – 560/1, 543, 561/1 (1/4) (K1/2) at Village - Nayagaon, Tehsil – Gwalior, Distt. - Gwalior, (M.P.) Total Plot Area – 14,060 Sq.m RG Area – 6,817 Sq.m., Proposed Ground Coverage Area – 7,243 Sq.m, Total Construction Area – 21,316.15 m<sup>2</sup>. Cat. - 8(a) Building and Construction Projects. For Building Constuction. Env. Con. – Mantras Green Resources Ltd. Kalyan (Maharashtra).**

This is case of Prior Environment Clearance for Proposed Construction of 5 Nos. 240 Men Barracks including Electrical Works for Group Centre Khasra No. – 560/1, 543, 561/1 (1/4) (K1/2) at Village - Nayagaon, Tehsil – Gwalior, Distt. - Gwalior, (M.P.) Total Plot Area – 14,060 Sq.m RG Area – 6,817 Sq.m., Proposed Ground Coverage Area – 7,243 Sq.m, Total Construction Area – 21,316.15 m<sup>2</sup>. Cat. 8(a) Building and Construction Projects.

PP has submitted EIA vide letter dated 22/05/18 which was forwarded through SEIAA vide letter no. 970 dated 08/06/2018.

Earlier this case was scheduled for the presentation in the 319<sup>th</sup> SEAC meeting dated 22/06/2018, wherein it was recorded that: 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. Committee

decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled for the presentation, wherein it was recorded that: 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. PP was also absent in the 319<sup>th</sup> SEAC meeting dated 22/06/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**(Dr. Mohd. Akram Khan)**  
**Member**

**(Dr. A.K. Sharma)**  
**Member**

**(Prashant Shrivastava)**  
**Member**

**(Dr. R. Maheshwari)**  
**Member**

**(Mohd. Kasam Khan)**  
**Chairman**

Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions:

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murrum and Soil quarries:**

1. 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
8. Transportation shall not be carried out through forest area.
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.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
12. NOC of gram panchayat should be obtained for the water requirement.
13. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
14. 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.
15. Mining should be done as per the submitted land use plan submitted by PP.

**Annexure- 'B'**

**Standard conditions applicable for the sand Mine Quarries\***

1. The amount towards reclamation of the 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Plantation shall be carried out on the banks for stabilization of the banks.
5. The mining activity shall be done manually.
6. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies 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.
7. NOC of gram panchayat should be obtained for the water requirement.
8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
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 depth of mining shall be restricted to 3m or water level, whichever is less.
12. No in-stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure 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.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. 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.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.
19. Mining should be done as per the submitted land use plan submitted by PP.

**Annexure- 'C'**

**Standard conditions applicable for the Khodu Bharu sand Mine Quarries\***

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the 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.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. The mining activity shall be done manually.
7. Heavy vehicles shall not be allowed for removal of sand.
8. The sand shall be transported by small trolleys up to the main transport vehicle.
9. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
10. No Mining shall be carried out during Monsoon season.
11. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
12. NOC of gram panchayat should be obtained for the water requirement.
13. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
14. The mining shall be carried out strictly as per the approved mining plan.

**Annexure- 'D'**

**General conditions applicable for the granting of TOR**

1. 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.
2. An inventory of flora & fauna based on actual ground survey shall be presented.
3. Risk factors with their management plan should be discussed in the EIA report.
4. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
5. The EIA document shall be printed on both sides, as far as possible.
6. All documents should be properly indexed, page numbered.
7. Period/date of data collection should be clearly indicated.
8. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
9. 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.

10. 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.
11. Grant of TOR does not mean grant of EC.
12. 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.
13. 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.
14. 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.
15. All the necessary NOC's duly verified by the competent authority should be annexed.
16. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
17. The EIA report should clearly mention activity wise EMP and CSR 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 CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
18. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
19. 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.
20. 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.
21. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
22. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

**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.**



23. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
24. Detailed analysis of availability and quality of the drinking water resources available in the block.
25. 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.
26. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.