

The 161<sup>st</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 22<sup>nd</sup> December, 2014 under the Chairmanship of Dr. R. B. Lal. The following members attended the meeting-

1. Dr. MohiniSaxena, Member
2. Shri K.P. Nyati, Member
3. Shri A.P. Srivastava, Member
4. Shri Manoj Pradhan, Member
5. Shri Manohar K. Joshi, Member
6. Dr. U.R. Singh, Member
7. Dr. Alok Mittal, Member
8. Shri M.P. Singh, Member
9. Shri A.A. Mishra, Secretary

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

**Discussion-**

- 1. Case No. – 1915/2014 Shri Naim Mohammad, Mohanpura, Dist-Umaria (MP) Basalt Stone Quarry at Village-Karounda, Tehsil-Chandiya, District-Umaria (MP), Lease Area – 1.0 ha., Capacity - 14250 Cubic mt.. /Year. At Khasra No 294.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Village-Karounda, Tehsil-Chandiya, District-Umaria (MP)* in 1.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Asst. Mining Officer of mining department vide letter no. 1298 dated 23/08/2014, that 01 more mine with cumulative lease area of 3.0 ha is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.

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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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production of stone boulder shall be as per the mining plan not exceeding 2500 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

**2. Case No. – 1916/2014 Shri Bhupendra Sharma S/o Shri Krishnaballabh Sharma, 116, Kankali Chowk, Tehsil-Badod, Dist-Agar (MP)-465441 Jamali Stone Quarry at Khasra No.-1057, Village-Jamali, Tehsil-Badod, District-Agar (MP), Lease Area – 2.0 ha., Capacity – 25,000 Cubic mt.. /Year.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No.-1057, Village-Jamali, Tehsil-Badod, District-Agar (MP)*, in 2.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Asst. Mining Officer of mining department vide letter no. ----- dated -----, that ---- more mine with cumulative lease area of ----- ha is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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.
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4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production of stone boulder shall be as per the mining plan not exceeding 25000 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

**3. Case No. – 1917/2014 Shri R. Shrivastava, M/s R.J. Enterprises, U.G.-2, Avni Plaza, AB Road, Indore (MP)-452001 Basalt Stone/ Murrum Quarry at Khasra No.1, Village-Harsola, Tehsil-Mahu, District-Indore (MP), Lease Area – 2.687 ha., Capacity- 11810 Cubic mt.. /Year, Murrum- 11810 m<sup>3</sup>/Year.**

This is a case of mining of stone bolder / murrum. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No.1, Village-Harsola, Tehsil-Mahu, District-Indore (MP)*, in 2.687 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Asst. Mining Officer of mining department vide letter no.1816 dated 14/10/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.

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4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 11810 m<sup>3</sup>/Year & murrum 6 11810 m<sup>3</sup> /year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

**4. Case No. – 1918/2014 Shri Inder Singh S/o Shri Dolat Singh Thakur, Village-Araniram Haraskheri, Tehsil-Ashta, District-Sehore (MP)-466116 Stone Quarry at Khasra No - 362/1, Village-Kothari, Tehsil-Ashta, District-Sehore (MP), Lease Area – 4.00 ha., Capacity -13500 Cubic mt.. /Year.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No - 362/1, Village-Kothari, Tehsil-Ashta, District-Sehore (MP)*, in 4.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Asst. Mining Officer of mining department vide letter no.5766 dated 13/10/2014, that 03 mines are operating / proposed within 500 meter radius around the said mine with total lease area of 7.809 ha. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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2. The mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 13500 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
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**5. Case No. – 1919/2014 Shri Gourav Rai, Ram Mandir ke Samne, Tehsil-Junnardeo, District-Chhindwara (MP) Basalt Stone Quarry. at Khasra No. - 811/2, Village-Umradi, Tehsil-Junnardeo, District-Chhindwara (MP), Lease Area – 1.00 ha., Capacity-4275 Cubic mt.. /Year.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No. - 811/2, Village-Umradi, Tehsil-Junnardeo, District-Chhindwara (MP)*, in 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Asst. Mining Officer of mining department vide letter no.2976 dated 19/12/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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5. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 4275 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
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**6. Case No. – 1920/2014 Shri Praveen Kumar Singh, Village-Daga, Post-Bargawan, Tehsil-Deosar, District-Singrauli (MP) Muram Quarry at Khasra No. - 2076/1, Village-Daga, Tehsil-Deosar, District-Singrauli (MP), Lease Area – 2.00 ha., Capacity - 5754 Cubic mt.. /Year.**

Information in form is not matching with the presentation made by the PP; hence the project was deferred till corrected information from PP/SEIAA is received.

**7. Case No. – 1921/2014 Shri Davesh Meena S/o Shri S.P. Meena, Village & Post-Fatehpur Shayamsi, Tehsil & District-Vidisha (MP)-464001 Basalt Stone Quarry at Village-Fatehpur Shayamsi, Tehsil-Nateran, District-Vidisha (MP), Lease Area – 2.00 ha., Capacity - 11400 Cubic mt.. /Year. At Khasra No. - 100/1, 100/2.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Village-Fatehpur Shayamsi, Tehsil-Nateran, District-Vidisha (MP)*, in 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Asst. Mining Officer of mining department vide letter no.1786 dated 24/09/2014, that no mine is

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operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 11400 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
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**8. Case No. – 1922/2014 Shri Atul Nidhan Singh Chouhan, M/s Sky Plast Mining & Mineral, Savitri Sadan, Barhi Road, Beside Pankaj Palace Hotel, Katni (MP)-483501 For-ToR *Sejha Limestone & Dolomite Mine in an area of 6.552 ha. at Village-Sejha, Tehsil-Badwara, District-Katni (MP), Lease Area – 6.552 ha., Capacity – 34272 Cubic mt.. /Year. At Khasra Nos. - 23/6, 23/2, 37, 25/1, 23/3, 23/5, 24, 25/2, 26, 197/3, 202/2, 203 (new no.38, 39, 42, 216, 40, 41, 217)Environmental Consultant - M/s Creative Enviro Services, SR-4, Shriram Kunj, E-8, Bharat Nagar, Arera Colony, Bhopal (MP)***

This is a project pertaining to mining of Limestone and Dolomite in MLA of 6.552 ha. The activity is mentioned at S.N. 1 (a) of the Schedule of EIA Notification 2006 as amended from time to time. The project is not attracted by the any general conditions and falls under category -B-1ö by virtue of its location and mining lease area. Hence the project requires prior

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Environmental Clearance from the SEIAA. The case was forwarded by SEIAA to SEAC for scoping so as to determine TORs to carry out EIA and prepare EMP for the project.

Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee. The presentation and the submissions made by the PP reveals following:

It was submitted that this is a proposed mine. The proponent has proposed for production of 34272 Tonnes per annum. Accordingly the mine plan has been approved.

Environment setting

Village	Sejha
Tehsil	Badwara
District	Katni
Latitude Longitude	23° 41' 21.4" ö to 23° 41' 31.1" North 80° 30' 24.7" ö to 80° 30' 42.4" East
Co-Ordinate	23° 41' 25.7" ö- 80° 30' 24.7" ö 23° 41' 27" ö- 80° 30' 24.9" ö 23° 41' 21.4" ö- 80° 30' 27.5" ö 23° 41' 27.0" ö - 80° 30' 28.2" ö
General Ground Level	443 M
Nearest Village	Sejhatola - Adjoining
Nearest National/state Highway	Katni-Shahdol NH-78 ó 8.50 km
Nearest Railway Station	Rupaund Railway Station ó 7.75Km
Nearest Airport	Jabalpur - 72.50 km
Nearest Tourist Place within 10km radius.	None within 10km radius
Archaeological Important Place within 10km radius.	None within 10km radius
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None within 10km radius
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Jorapahar RF - 3.25km ó S Pori PF - 9.5 km - N
Nearest major city with 100000 population within 10km radius	Nil
Nearest Town / City within 10km radius	None

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Nearest Nalla/ pond	Jaranagar Nalla	ó 1.5 km - NW
	Bhabrar Nalla	- 1.0 km óE
	Bhawandar Nalla	ó 8.5km óN
	Sumrar Tank	ó 8.0 km ó NWW
	Datla Reservoir	ó 5.0km- ENE
	Baragaon Nalla	- 0.50km ó NW
	Canal	- 0.70km - NW

It was reported by the PP that

- The lease area of 6.552 hectares was originally granted in favour of Shri Surendra Kumar Agrawal for 20 years from 25.06.2002 to 24.06.2022. Now this lease has been transferred under Rule 37 of MCR 1960 to M/S Sky Plast Mining and Minerals having its correspondence office at õSavitri Sadanõ, Barhi Road, Katni (MP), by Govt. of MP vide their order no. F-3-6/2013/12-2 dated 05.9.2013 for balance period.
- The lease area comes under Govt waste and pvt. land
- one other lease area are located within 500m radius,
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur
- it was reported by the PP that baseline data of the region has already been stated from Oct, 14 (Post Monsoon)

Sailent feature of the lease area

<b>Particulars</b>	<b>Details</b>
Type of Mine	Open Cast
Mining Lease Area	6.552 ha
Mineable Area	1.8112ha
Existing Pits & Quarries	0.2605ha
Existing Dumps	Nil
Plantation	0.05ha
Recoverable / Mineable Reserve	318863 T
Method of mining	Manual
Ultimate Depth of Mining	4m (436mRL)
Ultimate Pit Slope	45°
Expected Life of Mines	10years
Lease Period	20 year upto 2022
Stripping Ratio	1 :0.06 to 1:0.29
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	1.8112ha
Area to be reclaimed by conceptual period	0.4781ha
Area to be covered under plantation by conceptual period	2.0ha

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Area to be covered under water reservoir	0.9831ha
Elevation	446-440mRL
Ground water table	
Monsoon period	15m bgl (425mRL)
Dry month	20m bgl (420mRL)

Details of existing pits

Pit no.	Size-m	mRL	Logging in meters (average)
PIT 61	17X10X5	442M	Pit 1,2 are exclusive in limestone zone while pit -3 partly in limestone and dolomite i. e. Southern part has dolomite
PIT 62	45-X5X3-4	444M	
PIT 63	85X26X6-10	437M	

**Mining Method**

- Opencast method of mining (manual) is proposed for the excavation of limestone and Dolomite.
- It is proposed to excavate 1.8112ha in next four years with average depth 4m depth or up to the RL of 436m.
- Ground water table in the area is very low. Seepage from ground water table may not be encountered.
- It is proposed to excavate 3.2772ha in next five years with average depth 38m depth or up to the RL of 430m.
- Ground water table in the area is very low. Seepage from ground water table may not be encountered.

Year	Soil m <sup>3</sup>	OB/ waste m <sup>3</sup>	Production in T
1 <sup>st</sup>	4970	1333	30388
2 <sup>nd</sup>	Nil	1428	32130
3 <sup>rd</sup>	Nil	1523	34272
4 <sup>th</sup>	Nil	1290	29417

**Existing and proposed land use plan**

Items	Existing	Conceptual Period
Total lease area	6.552 ha	
Ultimate depth of mining	3m bgl (437mRL)	4m bgl (436mRL)
Ultimate pit slope	45 degree	45 degree
Area under dumps	Nil	Nil
Area under pits	0.2605ha	1.8112ha
Area to be reclaimed	Nil	0.4781 ha

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Infrastructure & Road	0.048ha	0.5ha
Mineral storage	0.0250ha	Nil
Plantation	0.05ha	2.0ha
Water body	0.1ha	0.9831ha

**SOLID WASTE MANAGEMENT**

- It has been studied that during the life of mine total 1.8112ha areas will be excavated and 0.4781ha area will be reclaimed by using mine waste & OB and rehabilitated through afforestation.
- Presently 0.0188ha area are covered under inactive old dumps, contains 258m<sup>3</sup> weathered over burden material comprising rock fragments and lateritic soil, which is observed in side of pit. These dumps will be re-handled for approach road maintenance.
- During the SOM period, 4970m<sup>3</sup> lateritic soil and 5574m<sup>3</sup> mine waste will be generated and same will be dumped over the dump no. SD1 and MW1 in eastern and northern part respectively, which will cover about 0.3075ha area.
- Further measures and suggestion for solid waste management shall be studied during EIA study..

**Proposed waste generation**

Proposed waste Generation		
Year	Soil m <sup>3</sup>	OB/ waste m <sup>3</sup>
1 <sup>st</sup>	4970	1333
2 <sup>nd</sup>	Nil	1428
3 <sup>rd</sup>	Nil	1523
4 <sup>th</sup>	Nil	1290

Afforestation plan										
REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION										
Year	Un-worked area green belt		Outside dumps (Reclaim)		Benches of pit		Inside dump (village side)		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Present	0.05	25	-	-	-	-	-	-	0.05	25
1 <sup>st</sup> to 5 <sup>th</sup>			-	-	-	-	0.45	750	0.45	750
6 <sup>th</sup> to conceptual period	0.6719	1000	0.4781	750	0.35	525	-	-	1.5	2275
<b>Total</b>	<b>0.7219</b>	<b>1025</b>	<b>0.4781</b>	<b>750</b>	<b>0.35</b>	<b>525</b>	<b>0.45</b>	<b>750</b>	<b>2.0</b>	<b>3050</b>

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

**Base line data**

It was reported by the PP that baseline data of the region has already been statretd from Oct. 14 (Post Mansoon). Committee allowed the PP to use the data in EIA report after appropriate validation.

After deliberations committee approved the proposed TOR with inclusion of following points to be addressed in the EIA / EMP:

- HT line is reported to be passing near the site; issue regarding its shifting to be dealt in the EIA.
- Already collected base line data can be used in the EIA subject to appropriate validation of the same.
- Issue regarding track reported to be passing through the MLA to be addressed in the Public Hearing and alternate route to be explored for transportation of materials.
- Other standard TORs shall be applicable.

**9. Case No. – 1925/2014 Shri Dilmeet Singh Khanduja, Palandi Chowk, Maa Ganj Ward, Damoh (MP)-480001 Stone Boulder Mine at Khasra No.- 470, Village-Imliya Nayak, Tehsil & District-Damoh (MP), Lease Area –1.00 ha., Capacity – 10,000 Cubic mt./Year.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Village-Imliya Nayak, Tehsil & District-Damoh (MP)*, in 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.-- dated 19/09/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 10000 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

**10. Case No. 1469/2013 – Shri Anil Yadav S/o Shri Asharam Yadav (Owner) Indore Road, Distt. – Khandwa (M.P.) Dhorani Road Metal & Murum Quarry Lease Area – 1.90 Ha., at Khasra No. – 59/02,60 Village – Dhorani, Tehsil- Khandwa, Distt. – Khandwa (M.P.). Capacity – 20,000 Cubic Meter/Year, Lease Period – 10 Year. Abs- 129 SEAC Meeting dt. 27/04/13.]**

This is a case of mining of stone bolder / murrum. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No. – 59/02,60 Village – Dhorani, Tehsil- Khandwa, Distt. – Khandwa (M.P.)*, in 1.90 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.11088 dated 04/09/2014, that 01 more mine is operating / proposed within 500 meter radius around the said mine, the total lease area being 2.9 ha. PP has reported that the pit formed after mining shall be developed into a water body.

Scrutiny of the case reveals that the mining plan for only 01 ha has been prepared whereas; application for EC has been made for 1.90 ha. PP could not explain the anomaly hence committee ask the PP to submit clarification / justification for the same.

**11. Case No. – 1926/2014 Shri Vinay Singh Senger S/o Shri Ajay Singh Senger Barapather, Raj Medical Stone Barapather, District- Seoni ,(M.P.)-480661. Metal Stone**

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

*Quarry at Khasra no. -344.Village-Aloniya, Tehsil & District-Seoni (MP), Lease Area –2.00 ha., Capacity - 11400 Cubic mt./Year.*

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra no. -344.Village-Aloniya, Tehsil & District-Seoni (MP), in 2.00 ha.* The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.2869 dated 16/12/2014, that 02 more mines are operating / proposed within 500 meter radius around the said mine the total lease area being 8.02 ha. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 11400 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

**12. Case No. – 1927/2014 Shri Ramkrishna Mishra S/o Shri Ramprasad Mishra , Vill-Barnawad, Distt- Sagar (M.P.)-470001 Basalt Stone Quarry at Khasra No.- 455, Village- Barnawad, Tehsil & District Sagar (MP), Lease Area –2.00 ha., Capacity – 10,000 Cubic mt./Year.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No.- 455, Village- Barnawad, Tehsil & District Sagar (MP)* in 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.604 dated 16/09/2014, that 08 more mines are operating / proposed within 500 meter radius around the said mine the total lease area being 17.05 ha. PP has reported that the pit formed after mining shall be developed into a water body. Crusher is not proposed in the lease area.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 10000 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

**13. Case No. – 1928/2014 Shri Bhanvarlal Dangi, Village – Gadahet, Tehsil- Khilchipur, Distt- Rajgarh (M.P.)-465679 Stone Quarry at . Khasra No. - 65/5, Village- Ghatakhedhi, Tehsil- Khilchipur, Distt- Rajgarh (M.P.), Lease Area –1.00 ha., Capacity – 3,000 Cubic mt./Year.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No. - 65/5, Village- Ghatakhedhi, Tehsil- Khilchipur, Distt- Rajgarh (M.P.)* in 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.579 dated 16/10/2014, that 01 more mine is operating / proposed within 500 meter radius around the said mine the total lease area being 2.0 ha. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 3000 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]



**14. Case No. – 1929/2014 Shri Pawan Kumar S/o Shri Amratlal Choudhary, Vill- Dehri, Tehsil- Kukshi, Distt- Dhar (M.P.)-454221 Stone Quarry at Khasra No.- 383/1. Village-Dehri, Tehsil- Kukshi, Distt- Dhar(M.P.) , Lease Area –2.00 ha., Capacity –10,549Cubic mt./Year. At Khasra No.- 383/1.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No.- 383/1. Village-Dehri, Tehsil-Kukshi, Distt- Dhar (M.P.)* in 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.5008 dated 25/08/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 10549 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

[R.B. Lal, Chairman]

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[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

**15. Case No. – 1930/2014 Shri Shrikant Dixit, Vill-Tikuriya Mohalla, Teh- Panna, Distt- Panna (M.P.)-470001 Stone Quarry at Village- Bilghari, Tehsil- Genaur, Distt- Panna(M.P.), Lease Area –1.00 ha., Capacity –14,280Cubic mt./Year.at Khasra No.- 3361/3362.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No.- 3361/3362, Village- Bilghari, Tehsil- Genaur, Distt- Panna(M.P.)* in 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.1493 dated 20/08/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 14280 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 3 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

[R.B. Lal, Chairman]

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[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

16. **Case No. – 1931/2014** Shri Taj Muhmmad Khan S/o Shri Lal Muhmmad Khan, Azad Ward Kandeli, Tehsil- Narsinghpur, Distt- Narsinghpur, (M.P.)-487001 Taj Basalt Stone Quarry at Village-Gadariya, Tehsil- Narsinghpur, Distt- Narsinghpur, (M.P.), Lease Area –1.00 ha., Capacity –8550Cubic mt./Year.at Khasra Nos. - 29/3,34/3,34/4.

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra Nos. - 29/3,34/3,34/4, Village-Gadariya, Tehsil- Narsinghpur, Distt- Narsinghpur, (M.P.) in 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.----- dated -----, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 8550 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

**17. Case No. – 1932/2014 Mr. Jeeshan Khan,O, Kamath Ward Gadarwara, Distt-Narsinghpur, (M.P.)-487551 Basalt Stone Quarry at Village- Jamuniya, Tehsil & District Jabalpur(MP), Lease Area –1.00 ha., Capacity – 18,000 Cubic mt./Year.at Khasra No.-294.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No.-294, Village- Jamuniya, Tehsil & District Jabalpur(MP)* in 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.----- dated -----, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 18000 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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

[R.B. Lal, Chairman]

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[K.P. Nyati Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

proposed mining unit shall require a fresh Environment Clearance.

**18. Case No. – 1933/2014 Shri Krishnapal Singh S/o Shri Satya Singh, 1571 Chandan Colony, Ganga Nagar Gadha, Jabalpur, M.P- 482003 Basalt Stone Quarry at Village-Devdongri, Tehsil- Niwas, District Mandla (MP), Lease Area – 1.00 ha., Capacity – 4080 Cubic mt./Year.at Khasra No.- 03.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No.- 03, Village-Devdongri, Tehsil-Niwas, District Mandla (MP)* in 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.----- dated -----, that ----- mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 4080 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

[R.B. Lal, Chairman]

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[A.A. Mishra, Secretary]

**19. Case No. – 1934/2014** Kunwar Singh Patel S/o Shri Babu Lal Patel, Vill-Hathkhoh, Teh-Deori, Dist-Sagar (MP)-470001 Stone/Boulder Quarry Lease Area – 2.280 ha., at Khasra No.- 212 Village-Hathkhoh, Tehsil-Deori, District-Sagar (MP) Capacity – 4100 Cubic mt./Year.

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.- 212 Village-Hathkhoh, Tehsil-Deori, District-Sagar (MP) in 2.280 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.616 dated 19/09/2014, that 05 more mines are operating / proposed within 500 meter radius around the said mine, the total lease area being 19.53 ha. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 4100 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

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[A.A. Mishra, Secretary]

**20. Case No. – 1935/2014 Shri Randhir Singh Thakur, Village-Pangari, Post-Haraskheda, Tehsil-Ashta, District-Sehore (MP) Basalt Stone Quarry Lease Area – 1.200 ha., at Khasra No.-1/1, Village-Diplakhedi, Tehsil-Ashta, District-Sehore (MP) Capacity – 5700 Cubic mt./Year.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *at Khasra No.-1/1, Village-Diplakhedi, Tehsil-Ashta, District-Sehore (MP)* in 1.200 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no.8035 dated 16/12/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 5700 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

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**21. Case No. – 1936/2014 Ms Laxmi Tiwari, Chandan, Tehsil-Chaurai, District-Chhindwara (MP) Basalt Stone Quarry Lease Area – 1.00 ha., at Khasra No.- 53/1, 54/1, 57/1, Village-Chandanwada, Tehsil-Chaurai, District-Chhindwara (MP) Capacity – 4560 Cubic mt./Year.**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *at Khasra No.- 53/1, 54/1, 57/1, Village-Chandanwada, Tehsil-Chaurai, District-Chhindwara (MP)* in 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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 mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
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 pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production shall be as per the mining plan not exceeding - stone boulder 4560 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Necessary permission shall be obtained from Gram Panchayat for lifting water from the village sources.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

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[A.A. Mishra, Secretary]



- 22. Case No. – 1938/2014 Mr. Vijay Bhateja, Vice President, Nav Uday Educational & Charitable Society, 29-A, PKT-1, Sector-7, Dwarka, New Delhi-110075** *Prior Environment Clearance for approval of proposed project "Park Nav Uday Hospital & Medical College" at Village-Maharajpura, Tehsil & District-Gwalior (MP)* **Building Construction. Env. Consultant- Enkay Enviro Services Pvt.Ltd, L-6,ARG Corporate Park, Near Ajmer Flyover, Gopal Bari, Jaipur-302001**

This is a building construction project covered as item 8 (b) in the schedule of EIA Notification, hence requires EC from SEIAA before commencement of activity at site. The application for EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented by the PP accompanied by his consultant. The submissions and the presentation made by the PP reveal following:

Salient features of the project:

Particulars	Details
Plot area	1,00,320.00 sq. m.
Built up area	1,01,880.00 sq. m.
Project Facilities	Beds 900 Nos.,(Hostel Rooms 292 nos., Nurses Hostel Rooms: 6 nos., Staff Quarters 90 Flats, Auditorium Capacity 1000)
Max Building Height	15.0 m. (Up to Terrace Level)
Water Demand	847 KLD (400 KLD fresh + 447 KLD treated waste water) Source : PHED (300KLD for initial phase) and ground water (400 KLD); Treated waste water from STP & ETP
Wastewater Generation	470 KLD
Treatment Plant	STP: Capacity: 225 KL Technology: FAB will be recycled after treatment ETP: Capacity: 300 KL, Technology: MBR
RWH Structure	23 nos. @ 27 cu.m each
Solid Waste	1,983 kg/day
Bio Medical waste	203 kg/day
Power Requirement	Connected Load : 7,365 KW Maximum Demand : 4,465 KW
Back up source	Cumulative capacity: 1,625 kVA (@1000 kVA- 1 nos., 500 kVA- 1 nos., 125 kVA- 1 nos.)
Estimated Project Cost	Rs. 184.92 Crore
CSR Cost	Rs. 1.5 crore (For 3 years) (1% of total project cost)
EMP Cost	Capital Cost: 178.00 Lacs ; Recurring Cost: 10.50 Lacs

**Regulatory approvals**

“ **Land Allotment :**

The project was allotted under the provisions stated under the Office Memorandum no. F-6-128/7/Nazul/ 2002 dated 03.10.2002 issued by Revenue Department, Govt. of M.P.

“ **LOI :**

Permission obtained from M.P. Government for construction of Medical College.

“ **Construction Permission :**

Permission obtained from Govt. of India for construction of building at Maharajpur, Gwalior dated 23.02.2010.

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- “ **Height Permission :**  
Permission obtained from Town & country planning for building height dated 28.05.2010.
- “ **PHED Supply:**  
Permission obtained from PHED, Gwalior water supply dated 22.11.2014.

**Land-use Break-up**

S. No.	Particulars	Proposed area	Permissible
1.	Total plot area	1,00,320.00 sq. m.	
2.	FAR	0.98 (98,775.00 sq. m.)	1.0 (1,00,320.00 sq. m.)
3.	Built up area	1,01,880.00 sq. m.	
4.	Ground Coverage	24.91% (24,991.62 sq. m.)	25% (25,080.0 sq. m.)
5.	Landscape/ Green area Softscape Hardscape	40,350.0 sq. m. (40.22%) 31,850.00 (31.74%) 8,500.00 (8.47%)	33,105.6 sq. m. (33.00%)
6.	Open Surface Parking (1,059 ECU)	26,475.00 sq. m. (26.40%)	26,475 sq. m. (26.39%) (min. required)
7.	Paved area/Driveway/Pathway	8,503.38 (8.47%)	No standards

**Power demand**

S. No.	Description			
1.	Source of supply	33 KV supply will be supplied from GVVNL, Gwalior.		
2.	Electrical Load	Connected load	7,365 KW	
		Maximum Demand	4465 KW	
3.	Transformer	No. of transformers	2	
		Capacity	2 nos. 3,000 kVA ; 33/0.433 kV each	
4.	DG Sets	No. of DG sets	3	
		DG Capacity & Fuel consumption	Capacity	Fuel consumption
			1000 kVA- 1 nos.	203 l/hr
			500 kVA- 1 nos.	160 l/hr
		125 kVA- 1 nos.	28 l/hr	
	Fuel Used	HSD (sulphur content: 0.05%)		

**Parking calculations**

S. No.	Particulars	Capacity/area	Basis of ECU	Total ECU required
1.	Hospital & Medical College	FAR area: 98,775.00 sq.m.	1 ECU/100 sq. m. of FAR area 10% Visitors parking	1087 ECU
<b>Total ECUs Required</b>				<b>1,087 ECU</b>

**Parking provided**

Details	Total ECU	Basis of ECU	Total area required (sq. m.)	Total area provided (sq. m.)
Open surface	1094	25 sq. m.	26,475 sq. m.	27,350 sq. m.

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Stilt	28	30 sq. m.	840 sq.m.	840 sq.m.
Total	1122		27,315 sq. m.	28,190 sq. m.

**Air pollution management:  
construction phase -**

Sources	Management
Dust & emissions from vehicular exhaust.	<ul style="list-style-type: none"> <li>Regular sprinkling of water on the haul road.</li> <li>Speed restriction of all vehicles.</li> <li>PUC certified vehicles will be deployed.</li> </ul>
The dust emission sources are: <ul style="list-style-type: none"> <li>Excavation</li> <li>Haul road movements</li> <li>Construction</li> <li>Material Handling</li> <li>Finishing</li> </ul>	<ul style="list-style-type: none"> <li>Water spraying to prevent dust pollution from different sources of construction.</li> <li>All transportation vehicles will be suitably covered.</li> <li>Covering of the construction site on all four sides to a considerable height to prevent dust emissions and other pollutants to the surrounding environment.</li> <li>Ensuring vehicles stick to the access track to prevent mud and dirt being deposited on roads.</li> </ul>

**Post construction phase**

Sources	Management
<ul style="list-style-type: none"> <li>Exhaust from D.G. set</li> </ul>	<ul style="list-style-type: none"> <li>EPA/CPCB certified DG set will be deployed.</li> <li>D.G. set will be provided with effective stack height as per the norms of CPCB above the roof of the D.G. house.</li> <li>Low sulphur content fuel (HSD - Sulphur content 0.05%) will be used.</li> </ul>
<ul style="list-style-type: none"> <li>Emission due to vehicular exhausts especially congestions during peak traffic hours.</li> </ul>	<ul style="list-style-type: none"> <li>Sufficient width of driveways to ensure smooth traffic movements.</li> <li>Provisions of fully internalized parking including the parking facilities for the visitors.</li> <li>Guided traffic ways within the project site.</li> <li>Speed humps will be installed for speed restrictions inside the project area.</li> </ul>

**Wastewater management:  
Construction phase**

Sources	Management
<ul style="list-style-type: none"> <li>Generation of sewerage</li> </ul>	<ul style="list-style-type: none"> <li>Temporary septic tank followed by soak-pit will be provided.</li> </ul>
<ul style="list-style-type: none"> <li>Significant water demand for construction.</li> </ul>	<ul style="list-style-type: none"> <li>Curing water will be sprayed and after liberal curing all concrete structures will be covered with gunny bags this will conserve water.</li> <li>There will be provision of using polymer dispersion and air entraining agents to reduce the water demand for construction.</li> </ul>
<ul style="list-style-type: none"> <li>Un-captured run-off from the site may contaminate ground water aquifers.</li> </ul>	<ul style="list-style-type: none"> <li>The rain water entering into the pit will be screened for the removal of heavy silt and other materials.</li> <li>Provisions will be made to ensure the construction vehicles</li> </ul>

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	<p>stick to the access track to prevent mud &amp; dirt being deposited on roads.</p> <ul style="list-style-type: none"> <li>Fence will be constructed around the site to trap sediments whilst allowing the water to flow through.</li> </ul>
<ul style="list-style-type: none"> <li>Unsanitary conditions during rainy season.</li> </ul>	<ul style="list-style-type: none"> <li>The civil contractor will be held responsible for site sanitation and will be bound by the management to adhere to healthy level of sanitation.</li> <li>There will be no stagnant water at site, as the runoff from the relevant areas will be systematically drained into the storm water line. There will be provision of cleaning the storm water line periodically.</li> </ul>

**Operational Phase**

<b>Anticipated impacts</b>	<b>Mitigation measures / Management</b>
<p>" Daily waste water generation: 400 KLD</p>	<p>" Domestic waste water will be treated in sewage treatment plant based on FAB technology with capacity of 230 KLD and waste water from Medical College and Hospital will be treated in ETP based on MBR technology with capacity of 290 KLD.</p> <p>" Treated water from STP &amp; ETP will be used for flushing ó 129 KLD, landscaping - 318 KLD.</p> <p>" Aerators will be provided at treated water storage tank to keep the DO level adequate.</p>
<p>" Un-captured storm water run-off.</p> <p>" Flooding or logging of storm water drains</p>	<p>" The run-off from the building terraces, paved areas and landscape areas will be channelized to the rain water harvesting structures designed on the peak intensity of rainfall (40 mm/hr) to accommodate peak surface runoff, which will avoid the problems of flooding.</p> <p>" The storm-water drains will be cleaned in the pre-monsoon phase so that the water logging can be avoided.</p>

**Solid Waste Management – construction phase**

<b>Sources</b>	<b>Management</b>
<ul style="list-style-type: none"> <li>Excavated earth (40,000 cu. m)</li> </ul>	<ul style="list-style-type: none"> <li>Re-used within the project</li> </ul>
<ul style="list-style-type: none"> <li>Construction waste: 6113 MT</li> </ul>	<ul style="list-style-type: none"> <li>The construction waste will be stacked properly.</li> <li>The recyclable waste (metal, wood, etc.) will be sold to the vendors.</li> </ul>
<ul style="list-style-type: none"> <li>Demolition waste: 288 MT</li> </ul>	<ul style="list-style-type: none"> <li>This will be utilized within the project site to the extent possible.</li> </ul>

**Solid Waste Management: Operation Phase**

<b>Nature of waste</b>	<b>Collection/Segregation</b>	<b>Pre-treatment</b>	<b>Disposal</b>

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<b>General Waste (1,147 kg/day)</b> <ul style="list-style-type: none"> <li>• Paper</li> <li>• Cardboard Aluminum foil</li> <li>• Tea bags</li> <li>• Disposable plates, glasses, bottles</li> <li>• Vegetable, fruit peels &amp; leftover food</li> </ul>	<ul style="list-style-type: none"> <li>• Ward to Ward collection</li> <li>• Segregation at source</li> <li>• Collection / Store in green color bins</li> </ul>	No in-situ treatment	Sold to vendors / GMC disposal sites.
<b>Domestic waste (630 kg/day)</b> <ul style="list-style-type: none"> <li>• Staff Residences</li> </ul>	Collection at source	--	GMC disposal sites.
e- waste (3 kg/day)	Will be collected and stored at designated places.	No in-situ treatment. Collected and stored at designated places.	
X-ray film processing	Lead Foils from the X-ray film		Will be placed in the Lead Foil Recycling Containers, which will locate next to the X-Ray developer units& sold to actual registered users.
Radiology Department	Spent Fixer Solution		Spent fixer will be collected in a labeled waste container beneath or close to the developer unit. It will be removed once in 3 to 4 weeks. This fixer liquid will be transported in a closed container to a designated area of the hospital under the supervision and guidance of Radiology Staff and will be sent to the Radiology Department for silver recovery and appropriate disposal.

**Fire fighting system**

S. No.	Description	Minimum Fire Fighting Requirement (As per NBC, 2005)
1.	Fire extinguisher	Required
2.	Hose reel	Required
3.	Dry riser	Not Required
4.	Wet riser	Required

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5.	Down comer	Not Required
6.	Yard hydrant	Required
7.	Automatic sprinkler system	Required
8.	Manually operated fire alarm system	Required
9.	Automatic detection & alarm system	Required
10.	Underground water tank	1,00000
11.	Terrace water tank	20,000

**Cost for Environment Management**

S. N	Particulars	Capital Cost	Annual recurring cost
1.	Acoustic enclosures & stack attached to DG sets	08.0 lacs	1.0 lacs
2.	STP& ETP	40.0 lacs	2.0 lacs
3.	Rain water harvesting	45.0 lacs	1.0 lacs
4.	Solid waste management	10.0 lacs	2.0 lacs
5.	Pollution monitoring	5.0 lacs	1.0 lacs
6.	Fire fighting & emergency handling	60.0 lacs	2.0 lacs
7.	Green Belt	08.0 lacs	1.0 lacs
8.	Training in the area of environment & occupational health.	2.0 lacs	0.50 lacs
	<b>TOTAL</b>	<b>178.0 Lacs</b>	<b>10.50 Lacs</b>

After deliberations PP was asked to submit response to the following queries:

- How 201 KLD of treated waste water shall be utilized for various purposes to be submitted along with water mass balance.
- Provision for connecting the laundry waste water drain to the STP.
- Provision of grit chamber in ETP to be given.
- Only roof-water to be harvested (after first rains) accordingly provisions to be furnished.
- Lay out clearly indicating green areas and the parking to be furnished.
- Low-lying areas to be identified for land-filling.
- Revised lay-out with provision of thick green belt to be submitted.
- Should obtain permission from CGWB for abstracting ground water.
- Commitment for use of 40% fly-ash cement-concrete mix.
- The area falls in seismic zone 6II hence measures and material being proposed to be used to prevent damages from possible earth quake to be furnished.
- Capital cost for ETP / STP appears on lower side the same to be enhanced and submitted.
- Consent from GMC / Waste Management Facility shall be obtained & submitted for disposal of solid waste.

**23. Case No. 1937/2014** M/s Jaikishan Jakhodiya, M/s Jakhodia Minerals, Jhakhotia Cottege, 184, Samta Colony, Raipur (CG)-492001 *Prior Environment Clearance for approval of*

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[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

*proposed Iron Ore Beneficiation Unit at Village-Dhamki Post-Budagar, Teh-Sihora, District-Jabalpur (MP)*

This is a Mineral Beneficiation project mentioned as item 2 (b). The mineral throughput capacity proposed is 19800 MTPA. By virtue of its location and the production capacity the project has been categorized as B-2 project. The application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The submission and the presentation made by the PP and his consultant reveal following:

**Salient features of the project:**

Area	0.88 Hectare
Activity	Iron Ore/ Blue Dust Beneficiation Plant
Capacity	19800 MTPA
Applicability of General Conditions	Bandhawgarh National park is about 170 KM Panpatha Wild Life Sanctuary about 170 KM Maharashtra State Border 190 KM Chhattisgarh State Border 195 KM
Longitude	80002ø35ö to 80002ø37ö N
Latitude	23022ø2ö 38 to 23022ø9ö N
Area	0.88 Hectare
Khasra No.	75 Part
Land Form, land Use and Ownership	Land is plain barren land. Land use is diverted by SDM The. Sihora, District öJabalpur vide order No. 15/A2/2012-13 dated 20/05/2014 and approved by Town and Country Planning for commercial use. Land is owned by the promoter.
Soil Type	Black to Reddish Soil consist of lateritic component

**Location Details:**

Address	Village ö Dhamki, Tehsil ö Sihora, District- Jabalpur (M.P.)
Nearest Railway Station	Goshalpur Railway Station: 3 KM
Nearest Airport	Jabalpur Airport 45 KM
Nearest Town, City, District Head quarter	Nearest Town ö Sihora- 13 KM Nearest Village ö Dhamki - 1 KM City - Sihora - 13 KM District - Jabalpur - 27 KM Dist. Headquarters - Jabalpur 27 KM

[R.B. Lal, Chairman]

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Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Village Panchayats ó Dhamaki. Zilla Parishad -Jabalpur Municipal Corporation-Does not come under municipal Corporation. Local Body ó Panchayat
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**Plant and Machinery**

Hopper and Screen	Water based
Ball Mill (Wet)	Water based
Rinser Machine or Sand Washery	Water based
Hydro Cyclone	Water based
De-watering Screen	Water based

**Proposed Process:**

It is a physical process, in which the low grade mineral is screened and then wet grounded, to a size in which the clay part in the mineral gets physically dissociated and subsequently with the water washing by flow of water; clay particle are dissolved in the water and the good quality mineral gets separated. The water containing clay is then taken to settling tank where in the clay component get settled, and water is recycled in the process. The settled clay will be use for brick making or sold to cement plants.

**Proposed Water Recycling:**

1. The entire process is wet physical process only, carried out with only water, and no chemical is required, no fuel is required.
2. The water is discharged at end of every step which is then use for taking up second stage process, or diverted to settling tank for recovery of water and separation of tailing.
3. For recovery of water and separation of tailing pond / tank 4 Nos. of water/ tailing recovery tanks each having 125 m<sup>3</sup> capacity will be constructed.
4. Each pond / tank will be of roughly 3 meter wide and 20 meter long and about 2.1 meter height.
5. The tailing pond will be used in rotation, and after drawing of tailing the tailing will be packed in to second hand cement bags and will be sold to either Cement Plant or given to Brick makers.
6. The finished material will be transported in bulk in moist condition through tarpaulin covered trucks.

**Proposed Pollution Control Measures**

It is reported that, the beneficiation process is based on physical properties of ore and no chemical reaction will take place. No Fuel will be required. The washing process requires water in large quantities and special care will be taken in the process designing for reclaiming 100% water and reuse in the process. Mineral rejects or impurities will be separated from the material during beneficiation process and will be stored space earmarked for the purpose.

Similarly, there is no air pollution in process of beneficiation of iron-ore as there are no emissions of gases.

However the following measures will be adopted for possible pollution control:-

- “ Approach roads will be frequently sprinkled with water.

[R.B. Lal, Chairman]

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- " Ore will be covered by tarpaulins to prevent spread of dust from it during transportation.
- " Regular maintenance of vehicles and machineries will be carried out in order to control emissions.
- " Green belt development would be taken up all along the haul roads, plant premises etc.
- " Protective appliances will be provided to all the workers exposed in dusty atmosphere.
- " The finished material will be transported in bulk in moist condition through tarpaulin covered trucks.
- " Avoiding overloading of the trucks.
- " Workers will be equipped with all personal protective devices like Gum Boot; hand gloves; Safety helmet; Safety goggles, earplugs at work place.
- " By controlling the speed of the truck.
- " Proper gradient of approach roads to reduce cumulative noise.
- " Transportation of materials will be limited to day hours only.
- " Periodical maintenance of process machinery.

**Solid Waste Management**

- " In the beneficiation process it is estimated that around 20% of mineral would be generated which works out to around 3940 MT per year, as waste containing very low percentage of iron and having higher silica and alumina percentage.
- " This material will be collected in semi dry form and bagged in second hand cement bags for sales to cement plant or alternatively sold to local brick manufacturing units.

**Water requirement:**

- " The daily makeup water requirement is estimated to be 60 KL/day and for human consumption 500 liters/day.
- " Preferably Water will be used from mines discharge, which is available from nearby mines. Alternatively a bore well will be dug for meeting the drinking water requirement and of process water requirement
- " 100% of waste water will be recycled.

After deliberations PP was asked to submit response to the following queries:

- TCLP test for ore as well as washed ore to be conducted at pH 3.5 & reported.
- Provision of covered shed for storage of rejects to be furnished.
- Moisture contents in the rejects should not be more than 25%; details to maintain the same to be submitted.
- Settling ponds should be lined.
- How zero discharge shall be achieved furnish detail with water balance.
- At least 30% of total plot area to be reserved for green area development; details with map depictions to be furnished.

**Meeting ended with thanks to the Chair and the Members.**

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