

The 158<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 28<sup>th</sup> November, 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. Dr. Srinivasan Krishnan Iyer, Member
5. Shri Manoj Pradhan, Member
6. Shri Manohar K. Joshi, Member
7. Dr. Alok Mittal, Member
8. Shri M.P. Singh, Member
9. Dr R. Maheshwari, Member
10. Shri A.A. Mishra, Secretary

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

**1. Case No. - 1270/2013 - M/s Gondwana Adiwasi Audyogik Khanan Sakhari Samiti Mydt. Amjhar, Village Suarkol, Mahagawan, Dumna Airport Road, Jabalpur (M.P.) 1.20 Hectare Stone mine at Village - Bichhua, Tahsil - Kundam, Dist. - Jabalpur (M.P.). Env. Consultant- Swati Namdev Bhopal**

This is mining project for mining of stone. The project is covered under the EIA Notification as item 1(a) of the schedule of said notification. The application was forwarded by the SEIAA to SEAC for appraisal and necessary recommendation. The case was presented by the PP and his consultant which reveals following:

- The Mining plan for Bichhua Crusher Stone Quarry over an area of 4Hectare.
- Its situated at Bicchua village of KUNDAM Tehsil of Jabalpur District in the State of Madhya Pradesh.
- The applicant name Gondwana Adiwasi Odyogic Khanan Sakhari Sanstha Mr. Tula Ram Gond which is being submitted under rule 42 of MP minor minerals rules 1996.
- The Crusher Stone Quarry lease has been allotted through the Collector office Jabalpur order vide 1237/Khanij/ 61 Q L/2012-13 dated: 18/07/2013 (23-03-2013 to 27-03-2023).
- Crusher is not proposed in the lease area.

**Reclamation and rehabilitation**

	Present	At the end of ten year
Mined out land	00	1.20Ha
Backfilled	-	0.00Ha
Rehabilitation	-	0.33 no. trees = 50trees per year
Water reservoir	-	Rest Area

It was reported by the concerned Mining Officer, Jabalpur vide letter no. 1700 dated 11/09/2014 that 05 mines are operating / proposed within 500 meters around the proposed site.

[R.B. Lal, Chairman]

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Total lease area including the proposed mine lease is 10.46 ha (less than 25 ha). After deliberations committee recommended 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. Curtaining of site shall be done using appropriate media.
6. Production of stone boulder shall be as per the mining plan not exceeding 7200 m<sup>3</sup>/Year and maximum average depth of pits shall not exceed 6 meters.
7. The proposed plantation should be carried out along with the mining and PP would take care that these plants attain full growth.
8. Transportation shall not be carried out through forest area.
9. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
10. 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. 731/2012 M/s Jindutt Minerals Pvt. Ltd., 6<sup>th</sup> km. Sagar Road- Dhadari, Post office & Distt. - Chhatarpur (M.P.) 471001 - Expansion of Sarkana Pyrophyllite & Diaspore Mine at Khasra No. 1440, Compartment No. - P 8, Forest Range- Bara Malhara, Forest Division - Chhatarpur, Forest Block- Sarkana, Village - Sarkana, Tehsil - Bijawar, Distt.- Chhatarpur (M.P.), Lease Area - 20.23 Ha. or (50 Acres), (Forest Land - 12.80 ha. & Revenue Land - 7.43 ha.) Proposed Capacity - 50000 TPA (Existing 30000 TPA/ 50 Acres or 20.23 ha.) Env. Consultant - Grass Roots Research & Creation India (P) Ltd. Noida (U.P.)**

This is a mining project covered under the EIA notification and mentioned as item 1(a) in the schedule of the EIA Notification. The EIA submitted by the PP was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The presentations and the submissions made by the PP and his consultant reveals following features of the project:

É TOR was issued on 05.10.2012 vide letter no. 675/PS-MS/MPPCB/SEAC/TOR (100)/2012 by SEAC, M.P.

É Environmental Study were conducted during Oct. to Dec. 2012.

É Public Hearing for the project was completed on 16.7.2013.

**Background of the Project**

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- É The Mining lease was initially granted in the favor of, M/s Jindutt Minerals Pvt. Ltd on 16.10.1976 for 20 years upto 15.10.1996.
- É The ML area was renewed by the state government for 20 years period vide state government order number 14-198/98/12/1 dated 06.07.2000 for period up to 15.10.2016
- É The total ML area is 50 acres i.e. 20.23 ha. Out of this 32 acres i.e. 12.80 ha is forest land and rest 18 acres i.e. 7.43 ha is Revenue land. The lease area partly being forest land, the lessee simultaneously applied for approval under Section 2 of FCA 1980 during the renewal of mining lease. The forest clearance was accorded by the Government of India, MoEF vide letter no:- 8C/5/575/98-FCW dated 16.12.1999
- É The Scheme of Mining was approved on 03.06.2014 vide letter number MP/Chhatarpur/pyro./M.Sch-71/2013-14.

**Location**

Location of mining lease area	Village : Sarkana Tehsil : Ghuara District : Chhatarpur
Geographical Co-ordinates	Latitude: 24°35'25.8" to 24°35'42.9"North Longitude:79°07'2.9" to 79°07'27.4"East
Total Mining Lease area	20.23 ha
Type of lease area	32 acres i.e. 12.80 ha is forest land and rest 18 acres i.e. 7.43 ha is Government land
Road Connectivity	The lease area is 75 km from Distt.-Headquarter Chhatarpur in S-W direction via Bara Malhara (45 Km) on Chhatarpur- Sagar road and then 30 km. towards Tikamgarh via Bhagwan and Ghuwara (21 km) and then taking right turn on approach road(9 km) to the lease area.
Altitude of the Site	311-371 m RL

**Mining details**

Mining Method	Opencast Other than Fully Mechanized Method
Ultimate depth of mine	300 m RL
Proposed Bench of mining pit	Height :6 m Width : 6 m
Mineral Reserve	12,33,492 Tonnes (Pyrophyllite) and 1,84,352 Tonnes (Diaspore)

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(111+122) Pre-Feasibility Mineral Resource (211+ 222)	25,670 Tonnes (Pyrophyllite) and 3,701 Tonnes (Diaspore)
Rate of Production	55,000 TPA
Life of Mine	26 years as per present level of exploration.
Required Man Power	90
Water Requirement	14.0 KLD
Source of Water	Old bore well, hand pump and mine sump located in ML area
Use of Mineral	The Minerals are used in modern refractory, pesticides, rubber industry, paint, cosmetics, soap, detergents and handicraft industries. Diaspore is used for manufacture of high alumina bricks to curtail the imports. Ceramic being the basic ancillary to the steel industry India needs increasing amounts of these minerals

**EMP**

**Air Pollution Control Measures**

**Mines**

- É Wet drilling arrangements.
- É Use of Personal Protection Equipments (PPE) like dust masks, ear plugs etc. by the mine workers.
- É Rock breaker will be used for breaking over size boulders in order to reduce dust and noise generation, which otherwise would be generated due to secondary blasting.
- É Controlled blasting with optimum charge and proper stemming of holes will help in reducing the above emissions.
- É Regular water sprinkling on haul roads & loading points will be carried out

**Haulage**

- É All haul roads will be maintained regularly.
- É Avoiding over filling of tippers and consequent spillage on the road.
- É Ore carrying trucks will be effectively covered by tarpaulin.
- É Proper maintenance, oiling and greasing of machines at regular intervals will be done to reduce the generation of noise.
- É Adequate silencers will be provided in all the diesel engines.
- É Blast holes will not be overcharged.
- É Plantation along the sides of approach roads and mine area will be done to minimize the propagation of noise. Shelter belt plantation of 50m strip will be done along barrier side in west.

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É Personal Protective Equipments (PPE) like earmuffs/earplugs will be provided to all operators and employees working near mining machineries or at higher noise zone.

É Periodical noise level monitoring will be done.

**Water Environment (Impact Assessment)**

The mining operations being opencast, adverse impacts are likely to arise if proper control measures are not implemented. The following are the areas where adverse impacts are envisaged in respect of surface water quality:

- É Wash-off from the dumps
- É Soil Erosion

**Water pollution control measures:**

- “ The soil will be used as blanket on the worked out area of the pits for taking up afforestation.
- “ As such no wash off from the dumps or soil erosion is expected.
- “ Garland drain & bund will be prepared along with settling tanks towards the sloping western side of the lease area. In order to check siltation due to run off in seasonal water course during incessant rains, check dams will be prepared which will be de-silted after the rainy season.

**Reclamation Plan**

- “ Of the entire lease area of 20.23 ha, about 7 ha will be excavated which will be backfilled and greenbelt on periphery will be developed.

**CSR proposed for the project**

S.No	Activities	Allocation of Fund (Rs. Lakh)					
		Year-1	Year-2	Year-3	Year-4	Year-5	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Health Camps	0.25	0.25	-	0.15	0.15	<b>0.80</b>
2	Social and Skill Development	-	0.35	0.25	0.22	-	<b>0.82</b>
3	Distribution of Solar Lanterns in villages of the study area where it is needed	0.20	0.20	0.20	0.20	0.20	<b>1.00</b>
4	Distribution of Books and Notebooks among meritorious girl child belonging to Scheduled Caste and Scheduled Tribe population.	0.12	0.12	0.12	0.12	0.12	<b>0.60</b>

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5	Cleaning of Tanks in selected villages	-	-	0.30	0.30	-	<b>0.60</b>
6	Repair and Painting of School Building and construction of toilets for girls in the project village	0.38	0.30	0.20	0.20	0.10	<b>1.18</b>
<b>Total</b>		<b>0.95</b>	<b>1.22</b>	<b>1.07</b>	<b>1.19</b>	<b>0.57</b>	<b>5.00</b>

Public hearing proceedings and the issues thereby were discussed in the meeting. It was observed that overall the public opinion was in favour of the project without any adverse comments. It was reported by the PP that there is no litigation pending against the project. No R & R is involved. As no habitation exists within ML area so no compensation is required to be paid.

The EMP and other submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended in-principle subject to following special conditions:

1. The nearby natural drain towards northern boundary has to be protected from any run-offs from the site through construction of suitable check-dams and appropriate garland drains etc.
2. Garland drains shall be constructed around all the dumps and these shall be connected to a settling tank.
3. Secondary blasting to break huge blocks shall not be allowed.
4. Village roads shall not be used for transportation of materials.
5. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
6. Proper records shall be maintained for the water consumption in the mine.
7. Necessary consents / authorization shall be obtained from MPPCB before commencement of the proposed production.

The case shall be forwarded to SEIAA only after submission of revised CSR along with an undertaking from PP for implementing the same:

- CSR has to be revised and submitted with activity-wise budget break-up.

**3. Case No. -1866/2014 Shri Rajendra Prasad Gupta S/o Shri Shyam Sunder Gupta, Bhatta Mohalla, P.O. & District-Katni (MP)-483501 Padrehi Bauxite Laterite & Fire Clay deposit Lease Area –10.88 ha. at Khasra No.-299, Village-Padrehi, Tehsil-Bahoriband, District-Katni (MP) Proposed Production Capacity -34,304 TPA. Env. Consultant – Green C India Consulting Pvt. Ltd., NCR, Ghaziabad(UP)**

This is a mining project covered under the EIA notification and mentioned as item 1(a) in the schedule of the EIA Notification. The application of the PP was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project. The presentations and the submissions made by the PP and his consultant reveals following features of the project:

**Introduction**

[R.B. Lal, Chairman]

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- Shri Rajendra Prasad Gupta was granted a mining lease for Bauxite, laterite and fire clay for 10.88 ha area over khasra no. 299 in Padrehi Village, Bahoriband Tehsil, District Katni, Madhya Pradesh.
- A communication letter of precise area has been issued vide letter No.-F-3-19/2009/12-2, Bhopal, Dated-16.04.2013 .
- Since the mineral is specified in the 1<sup>st</sup> schedule, approval under Section 6 5 (1) of MMDR Act 1957 has been accorded by the Central Government vide letter No.-4/5/2010-M.IV New Delhi dated 28.07.2011
- The mine plan for the project was prepared by Balram Singh Associates Private Limited and approved by Indian Bureau of Mines Jabalpur vide letter no-MP/KATNI/BAUXITE/MPLN/G-10/13-14/2128 dated 17.04.2014.
- The project is an open cast Other than fully mechanized mine.

**Project description**

Description	Details
Project Site	Padrehi Village, Bahoriband Tehsil, Katni District,
Total Area	10.88 Ha
Proposed production capacity	34304 TPA
Technology	Opencast other than fully Mechanized
Life of mine	21 years
Seismic Zone	Zone III as per IS: 1893 (Part-1) 2002
Topo-sheet No.	63 D/14 & 63 H/2
Project cost	Rs. 1 crore

**Location**

Village	Padrehi
Tehsil	Bahoriband
District	Katni
State	Madhya Pradesh
Nearest town	Katni, 35.88 km, NE
Nearest railway station	Sihora Railway Station, 17.21 km, S
Nearest Airport	Jabalpur Airport, 49.5 km, SSW
Nearest road	SH-51, 0.77 km, S

**Co-ordinate of mine lease area**

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Point	Latitude	Latitude
A	23°37'44.8" N	80°06'48.1" E
B	23°37'45.4" N	80°06'55.5" E
C	23°37'43.8" N	80°06'56.1" E
D	23°37'42.4" N	80°06'49.0" E
E	23°37'46.3" N	80°06'46.5" E
F	23°37'48.4" N	80°06'46.0" E
Elevation	425 m to 454 m	
Slope	Towards West	

**Salient Features:**

Total Area	29.951 Ha
Proposed capacity	34304 TPA
Geological Reserve	Bauxite = 4,65,491 t. Fire Clay = 27,630 t.
Mineable Reserve	Bauxite = 48,904 t. Fire Clay = 270 t.
Method of Mining	Opencast other than fully Mechanized
Proposed working days	250
Bench height	5 m (Average)
Bench Width	> 5 m
Overall pit slope	45°
Ultimate depth of the mine	Starting level-442m RL. Ultimate level- 425m RL (17m)
Ultimate pit Slope	45°
Ground Water Level	Water table varies from 395m RL to 398 m RL in post monsoon, to 397m RL to 400 mRL

Year-wise Production	
Year	Production (T)

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1 <sup>st</sup>	18216
2 <sup>nd</sup>	19375
3 <sup>rd</sup>	27208
4 <sup>th</sup>	34304
5 <sup>th</sup>	28814
Total	117568

**Conceptual Plan**

Land Use	Area (Ha)
Green Belt	1.05
Plantation on the reclaimed Area	9.83
Total	10.88

**Reclaimed and rehabilitated by Plantation:** Conceptual land use of the 4.50 ha backfilled and reclaimed area will be done by way of growing fruit bearing trees at lower level which will be of commercial utility to the locality while fuel wood or trees which will be useful to the local people at upper level. This will add to the bio diversity of the area.

**Plantation in undisturbed area:** It was reported that based on the present knowledge of deposit and presuming 5.33 ha area as non-mineralized towards north, plantation is proposed in this area.

About 9 KLD of water will be required for the project activities. Proposed water will be collected from the nearby villages.

Proposed conceptual plan:

Area	Existing	5 <sup>th</sup> year End	Lease period End
Area Excavated	0.25	1.25	4.50
Dumps	0.50	0.05	--
Mineral stack	--	0.50	--
Road	--	0.10	Nil
Green belt	--	0.60	1.05
Infrastructure	--	0.10	Nil
Drain & Bund	--	0.10	Nil
Plantation on undisturbed area	--	--	5.33
Undisturbed Area	10.13	8.18	Nil
Total	10.88	10.88	10.88

**Expected Waste Generation**

- There is no top soil in this area.
- Inter-burden/Mine Waste: This will be in loose form containing silica, lateritic soil mixed with grits.

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- The mine waste will be utilized for preparation of protective bund around the periphery of ML area in 7.0m width. Plantation will be raised on it.
- The manner of disposal of waste will be manual.
- The mine waste will be loaded manually into the Dumpers and unloaded mechanically.

Year-wise Development/Production	
Year	OB/Waste (OBW + IW) in cum
1 <sup>st</sup>	880
2 <sup>nd</sup>	936
3 <sup>rd</sup>	1314
4 <sup>th</sup>	1657
5 <sup>th</sup>	1392
Total	6180

After deliberations PP was asked to prepare EIA / EMP for the project as per the standard TORsø including following points:

- A water body (Bahoriband tank) reported to be near the site; users of the water from this tank have to be identified along with the water-use.
- A plan for protection of this water body has to be furnished in EIA/EMP.
- Monitoring plan for base line data collection shall be intimated to the Regional Office of the MPPCB before monitoring.
- Other standard TORsø shall be applicable.

**4. Case No. – 626/2011 M/s Reliable Houses Heritage Hill Near Hotel Noor-Us-Sabha Palace Kohefiza, Bhopal-(M.P) Proposed change in the plot area of Residential Project Heritage Hill Near Hotel Noor-Us-Sabha Palace Kohefiza, Bhopal-M.P.**

Prior EC to the project was issued by MPSEIAA vide letter dated 12/11/2012. A submission was made by the PP to SEIAA for re-validation of the issued EC in view of reduction of plot area and certain components of the project so as to comply with one of the conditions of EC.

The matter was discussed in the 17<sup>th</sup> meeting of SEIAA dated 26/08/2014. As per the decision taken in the said meeting the matter was referred to SEAC vide letter dated 16-09-14 for appraising/examining the environment impacts and prior EC conditions with respect to parking area, green area, road width, change in water requirement, waste water discharge, MSW etc. due to reduction in the plot area. Matter was placed before the committee in this meeting. After scrutiny of the case it was decided to call the PP for presentation on the environmental issues as per SEIAA letter dated 26/08/2014. The submission and the presentation delivered by the PP and his consultant reveals following:

- “ The project was accorded EC for the residential project in the year 2012 vide number 1486/SEIAA/12 dt 22.11.12
- “ The environment clearance was granted to the project based on various submissions made by the PP including the permission from T &CP vide letter no. 631/LP37/29/TNCP/gika/2010-2011

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- “ One of the additional specific conditions imposed was for parking arrangement for existing hotel and maintaining an adequate distance between hotel and the proposed residential project.
- “ Considering the compliances of conditions and other requirement, the PP made certain changes in the project and got the approval from T & CP on the revised plan. The revised T&CP has been issued 1373/LP37/29(3)/nagrani/zica/2008-13 in the year 2013.
- “ It was submitted by the PP that neither there is change site-location nor any alteration in the land use plan of the area. The built up area also is unaltered in the revised proposal. The only change is slight reduction in the plot area.

**Comparative statement:**

<b>Heads</b>	<b>As per T &amp; CP 2011 (Earlier Plan)</b>			<b>As per T &amp; CP 2013 (Current Plan)</b>		<b>Remark</b>
Total Land	11.104 ha			9.153 ha		
Area permitted for development	8.4595 ha			7.11 ha		
Total Built up Area	1,05,744 sq mt			1,05,744 sq mt		There is no change in built-up area. Calculation enclosed, though number of flats are reduced, but duplexes, basement are introduced.
Facilities to Be Provided	No of Flats : 432 No of Duplexes : Nil No. of LIG : 190 No of EWS : 80 Club House : 01 Mix Land Use Shop : 01			No of Flats : 545 No of Duplexes : 14 No. of LIG : 36 No of EWS : 55 Club House : 01 Mix Land Use Shop : 01		
Number of blocks	21 + ESW+LIG+ Shops			19 + EWS +Shop/Residence +14 Plots		
Total Parking area	Parking Area : 13687 for 436 cars			Stilt Area : 7413.93 - 247cars Podium Parking : 14987.66 - 499 cars Basement Parking : 4895.72 - 139 cars		Positive side. Total dues are proposed as 652 and now we are proposing parking for 882 numbers. The requirement as per MPBVR is also explained below.
Details of area break up		<b>Area Sq mt</b>	<b>BU Sq mt</b>	<b>GC Sq mt</b>		Duplexes are proposed instead of multi-units. Number of blocks for multi unit has been reduced
	<b>Residential</b>	77393	96741	19348		

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	<b>area</b>				hence project has more open area as compared to earlier.
	<b>Club area</b>	4999	3716	1858	
	<b>Shopping area</b>	4229	5287	1268	
	<b>Total</b>	<b>84595</b>	<b>1,05,744</b>	<b>22474</b>	
Height	18 mt+ Stilt/Podium Parking +	18.0 M +Stilt/Podium Parking + Basement Parking			
Landscape area	7632.05 sq mt common green area 14569.80 sq mt terrace landscape area	8457.86 sq mt common Green Area 14618.94 sq mt terrace landscape area			Since by reducing the flats, there is more area and therefore landscape area is increased
Water Consumption	593 KLD	441 KLD			Reduced by 152 KLD
Waste Water Generation	535 KLD	396 KLD			Reduced by 139 KLD
Net fresh Water Requirement	387 KLD	294 KLD			Reduced by 93 KLD
Solid waste generation	702 KG per day	373 KG per day			Reduced by 329 KG

**Plot Area:**

Plot area has been reduced to maintain appropriate distance from the nearby hotel and to maintain the existing amenities of the hotel in compliance to the condition laid in the prior environment clearance for the project.

**Total built up area:**

There is no change in the total built up area of the project. This is because of number of flats are reduced, but duplexes are introduced in the scheme, which may be seen from the above table. Number of blocks, height of the building is same for earlier and present proposal.

**Parking:**

The ECS is enhanced with changed plan. Total ECS proposed earlier was 436 cars (in 13687 m2 on ground level) the same has been revised as- Stilt Area: 247cars (in 7413.93m2), Podium Parking: 499 cars (in 14987.66 m2) and Basement Parking: 139 cars (in 4895.72 m2), i.e. total ECS is now 885 (in 27297.31 m2)

**Green area:**

The little change in planning provide us more common green area of 8457.86 sq mt , instead of 7632.05 sq mt as mentioned in the earlier proposal. The provision of terrace green area will remain same as proposed earlier.

**Waste water generation:**

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[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

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[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

As per previous proposal we require 593 KLD of fresh water to cater the requirement of the residents (Population-5256), now we shall require 441 KLD water (Population-4575), subsequently the generation waste water will be 396 KLD compare to earlier proposal of 535 KLD.

**Sewage treatment:**

There is no change is proposal of number of STP which have been planned as per contour profile of the area.

**MSW generation:**

MSW generation will be reduced to 373 Kg/day as compared to the earlier proposal of 702 Kg/day.

**Road widths:**

There is no change in the widths of the internal road. All internal roads have been planned strictly as per the norms of MPBVR 2012.

Thus actual pollution , which may be counted in terms of waste water generation and solid waste generation will be reduced as number of flats is being reduced subsequently number of residents shall be reduced from 5256 to 4575.

It was observed by the committee that:

- The built up area of the present proposal is same which is the prime concerned and other parameters (MSW, Sewage water consumption etc.) are not increasing in volume or quantum with regard to earlier given as the population load is going to be reduced.
- The overall green area in the project shall be enhanced as the ground coverage is proposed to be reduced in the changed plan.

In view of above observations committee decided to recommend the case for revalidation of the existing EC as desired by the PP, i.e. the EC may be revised and issued for development of the project in 7.11 ha with total built-up area of 1,05,744 sq mt. The conditions laid in the prior EC issued vide letter number 1486/SEIAA/12 dt 22.11.12 shall be applicable.

**5. Case No. - 818/2012- Mr. Mahesh Manwani, Director, "Alpine Greenage" of M/sHimanshu Infrastructure Pvt. Ltd." A 2, IInd Floor, Above Metro Shoes, Ravishankar Market,Bhopal (M.P.) " Alpine Greenage" of M/s Himanshu Infrastructure Pvt. Ltd." Khasra No. 529 (Old No.- 47/1/2/1), 530 ( Old No. 47/1/1) Village –Gehukheda, Tehsil – Huzur, Distt. – Bhopal (M.P.) Total Land Area – 34,400.00 Sq.m. ( 3.44 Ha.),Total Built-up Area – 27334.22 Sq.m. Env. Consultant – In- Situ Enviro Care, Bhopal.**

This is building construction case with built-up area more than 20000m<sup>2</sup>. The project is covered under the provisions of EIA Notification as item 8(a) of the schedule of the notification; hence the project requires prior EC from SEIAA before commencement of any activity at site. The application for EC was forwarded by SEIAA to SEAC for appraisal. The salient features of the project were presented by the PP accompanied by his consultant. The submissions and presentation made by the PP reveals following:

The land is located on a proposed master plan road 24 meters wide within the Municipality area.

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[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

The civic amenities such as drainage, sewage and other services are expected to be available according to the Master Plan.

**Statutory approvals reported to be obtained already:**

1. T & CP Approval-Bhopal vide letter no. SN/381/L.P. 43/29/NGRANI/JIKA/29 DATED 7/5/2010.
2. Building development permission from Nagar Palika Parishad Kolar vide letter no. SN/633/2011 dated 27/9/2010.
3. Colony development permission from SDM Huzur vide letter no. SN/50/2011 DATED 31/03/2011.
4. Colonizer Registration vide letter no. SN/5/2010 DATED 19/04/2010

**Other submissions:**

1. Copy of Receipt of application for ground water abstraction from CGWA.
2. Copy of Receipt of application for municipal solid waste disposal along with stp sludge from Nagar Palika parisad, Kolar, Bhopal

**Salient feature of the project**

Total area of the plot	: 34,400.00 Sq.M
Proposed Builtup Area	: 27334.22 Sq.M
Land Use	: Residential
Building height	: 18 m
ROW	: Proposed 24m wide road
Nearest Fire Station	: 8 Km
Total Water Demand	: 314 KLD
STP Capacity	: 235 KLD
Solid Waste Generation	: 0.824 TPD
Power Demand	: 1.6 MW
Back Up Source	: 100 KW (1 x 125 KVA Capacity DG set)
Railway Station	: Habibganj Railway Station ó 11 Km away from site
Air Port	: Bhopal Airportó22 Km away from site
Types of Flats	: Number of 1 bed room Flats - 84 Nos. Number of 2 bed room Flats -168 Nos. Number of 3 bed room Pent House - 192Nos. Number of EWS Flats -40 Nos.

**Area Statement**

<b>Descriptions</b>	<b>Area (Sq.m)</b>
Total Land Area	34400.00 Sq.m
Proposed Scheme Area	20240.00 Sq.m
Area Under Road Winding	5050.00 Sq.m
Net Balance Area (A)	16011.20 Sq.m (100%)
Permissible Built Up Area	30704.97 Sq.m
Proposed Built Up Area	27334.22 Sq.m

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Ground Coverage	4323.02 Sq.m (30% of A-B)
Service area	160.11 Sq.m (1.0 %)
Informal Sector Area	286.48 Sq.m (1.8 %)
Green Area as per T & CP (B)	1602.12 Sq.m (10.0%)
Proposed Extra Green Area	1440.0 Sq.m (9.0%)
Total Proposed Green Area	3042.12 Sq.m (19.0 % of Net Planning area)
M.O.S. & Circulation	8199.47 Sq.m (51.2 %)

<b>Green Area Development</b>	
Proposed physical Green Area as per T & CP (Sq. m)	1602.12
Green Area Planning for Proposed Project (Sq. m)	1440.0
Total Green Area (Sq. m)	3042.12 (19 % of Net land area)
No. of trees	0
No. of trees to be cut down	0
No. of trees to be planted	85

**Water consumption / Source :**

1. In construction phase -water supply form the private tanker suppliers .
2. The Main source of water supply in operation phase will be Tube Well. It will cater the domestic requirement whereas additional water requirement will be fulfilled by treated water from STP.
3. Water supply is expected to be available for use from local authority in future.

<b>Item Description</b>	<b>Residential</b>
Domestic Water Requirement (Including Swimming Pool)	183.38 KLD
Flushing Water Requirement	92.06 KLD
Landscaping & other uses	38 KLD
Total Water Demand	313.45 KLD or 314 KLD
Available Treated Water through STP	212 KLD
Net Fresh Water	184 KLD

**Sewage Treatment Plant (STP):**

Moving Bed Bio -film Reactor (MBBR) type of STP is proposed in the project.

- Treatment Concept: Preliminary treatment + Aerobic biodegradation treatment followed by tertiary treatment.
- Treatment objective: To use the water for safe disposal or to use the water in auxiliary purposes like flushing, gardening etc.

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[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

- Capacity : 235 m<sup>3</sup>/day
- Operation: 20 Hrs.

**Solid Waste**

- Total solid waste generated will be around 0.8243TPD
- Biodegradable & Non-Biodegradable waste will be segregated at source in accordance with MSW (M&H) Rules, 2000.
- 100% Door to Door Collection system will be done by the maintenance staff.
- Hand driven carts shall deliver the MSW from residential blocks to storage bins and from storage bins to main waste collection point.
- Each set will have bins of three colors with green bin for biodegradable waste, white for recyclable waste and black for other type of waste.
- The MSW collection centre will be at the back gate of the campus where three covered bins of green white and black color will be placed for collection from the campus and for final transportation for disposal.

**Cost of environmental management plan**

Description	Capital cost (lac)	Running cost (lac/year)
<b>Air</b>		
Construction Phase	0.8	1.1
Operation Phase	0.6	0.2
<b>Noise</b>		
Construction Phase	0.8	0.08
Operation Phase	0.6	0.16
<b>Water and Land</b>		
Construction Phase	04	0.5
Operation Phase		
Sewage Treatment Plant	22	10.0
Rainwater Harvesting & Storm water Management	20.0	4.0
Solid Waste Management	4	0.8
<b>Energy</b>		
Lighting	8	0.8
<b>Biological</b>		
Landscaping	3.0	0.9
<b>Total</b>	<b>Rs. 63.8 Lac</b>	<b>Rs. 18.54 Lac / Year</b>

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[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]



The submission and presentations made by the PP are satisfactory and acceptable hence the committee has decided to recommend the case subject to following special conditions :

1. Fresh water requirement for the project shall not exceed 184 KLD and the same shall be obtained from BMW as proposed by the PP.
2. MBBR based STP shall be installed and the operation / maintenance of the same shall be the responsibility of the PP till life of the project.
3. The STP sludge shall be dried through filter-press and shall be disposed off along with the MSW.
4. Separate and engineered MSW storage area has to be developed within the project site with capacity to store 48 hr generation.
5. Appropriate play space has to be provided for children within the project premises.
6. Periodically water quality has to be checked prior to supply of the same for the residents, a log for the same shall be maintained.
7. Efforts shall be made to make the premises as polythene free zone.
8. Use of Solar-power in common areas shall be ensured.

**6. Case No. - 1805/2014 M/s Sterling Globe Builders through Director, Shri Sanjeev Sabherwal, Opp. Hanuman Nagar, Jatkheri Road, Near Hoshangabad Road, Tehsil – Huzur, Distt. – Bhopal (M.P.) Sterling Globe Grand M/s Sterling Globe Builders at Khasra No.– 460 Village – Opp. Hanuman Nagar, Jatkheri Road, Near Hoshangabad Road, Tehsil – Huzur, Distt. - Bhopal **Total Plot Area- 12600 Sq.mt** Env. Consultant – In- Situ Enviro Care, Bhopal.**

This is building construction case with built-up area more than 20000m<sup>2</sup>. The project is covered under the provisions of EIA Notification as item 8(a) of the schedule of the notification; hence the project requires prior EC from SEIAA before commencement of any activity at site. The application for EC was forwarded by SEIAA to SEAC for appraisal. The salient features of the project were presented by the PP accompanied by his consultant. The submissions and presentation made by the PP reveals following:

**Salient features of the Project :**

Total Area of The Plot	: 12600 Sq.mt
Proposed BuiltUp Area	: 26886.34 Sq.mt
Land Use	: Residential
Building Height	: 21.0 M (maximum)
ROW	: 24.0 M Wide Road
MOS	: F=9.0 M & R/S/S = 6.0 M
Total Net Fresh Water Demand	: 185KLD
Municipal Water Supply	: 185 KLD
STP Capacity	: 145 KLD
Solid Waste Generation	: 0.481 TPD
Power Demand	: 702 KW for Operational Phase
	: 25 KW for Construction Phase
Back Up Source	: DG Set of 75 KVA x 1

[R.B. Lal, Chairman]

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[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

No. of Flats : 224 No. ( Including LIG)  
 No. EWS Units : 19 Nos.  
 Railway Station : Habibganj Railway Station ó 7.2 Km away from site  
 Air Port : Bhopal Airportó 15.3 Km away from site

**Statutory approvals obtained / awaited**

1. T & CP Approval No.- 674/LP130+283/29(3)/NAGRANI/GKA/2010-13 dated 02/04/2013
2. Copy of colonizer registration S/N/1271/KA PRAKO/2011 dated 13/12/2011
3. Copy of firm registration
4. Copy of colony development permission S/N/NC5211-3352-012014 dated 07/01/2014
5. Affidavit for no construction work at site.
6. Copy of municipal solid waste disposal consent from BMC Applied dated on 19/07/2014ó awaited
7. Copy of water supply permission from BMC dated 31/12/2012
8. Copy of disposal of extra treated from BMC Applied dated on 19/07/2014ó awaited
9. Tanker water supply agreement for construction phase

**Area Statement**

<b>PARTICULAR</b>	<b>AREA</b>
1. Total Plot Area for multi Unit Residential Building	= 12600.00 Sq.m.
2. Area in Road (2227.13 + 254.82)	= 2481.95 Sq.m.
3. Scheme Area (1-2)	= 10118.05 Sq.m.
4. Open area 14% of Scheme area	= 1416.52 Sq.M.
5. Proposed open area	= 1431.31 Sq.M.
6. Permissible F.A.R. 1:1.25 of Scheme area	= 12647.56 Sq.M.
7. Permissible F.A.R. 1:1.25 X 2 of Area in Road (2481.95 sq.mt.)	= 6204.87 Sq.m.
8. Permissible total built up area (6+7)	= 18852.43 Sq.M.
9. Permissible total ground coverage (30% of net scheme area)	= 3035.41 Sq.m.

<b>PARTICULARS</b>	<b>PERMISSIBLE</b>	<b>PROPOSED</b>
Maximum HT of the building	24.0 M.	21.0 M.
Minimum Open 14% Area	14% (1416.52 Sq. Mt.)	14.05% (1422.53 Sq.Mt.)
Ground coverage	30% (3035.41 Sq.Mt.)	30% (3035.41 Sq. Mt.)
MOS	F = 9.0 M R/S/S = 6.0 M	F = 9.0 M R/S/S = 6.0 M
Total Built up area (G+7) F.A.R. 1:1.25 of Scheme area + F.A.R. 1:1.25 X 2 of Area in Road	18852.43 Sq.mt.	18852.26 Sq.mt. F.A.R. Consumed
LIG	570.12 Sq.mt.	570.12 Sq.mt.

[R.B. Lal, Chairman]

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[A.A. Mishra, Secretary]

EWS	483.65 Sq.mt.	483.65 Sq.mt.
Parking Basement	2517 Sq.mt.	2517 Sq.mt.
Parking Podium	4300 Sq.mt.	4300 Sq.mt.
EWS/ LIG Parking	163.43 Sq.mt.	163.43 Sq.mt.
<b>Total built up area</b>	<b>26886.63 Sq.mt.</b>	<b>26886.34 Sq.mt.</b>

<b>Calculation for lig and ews</b>	
<b>As per M.P. Nagar Palika (registration of colonizer, terms &amp; conditions rules 1998 rule 10.2 (amended 19/04/2012)</b>	
TOTAL NOS OF D.U.	= 32 X 6.5 FLOORS = 208 NOS
<b>15% OF TOTAL NOS OF D.U. FOR</b>	
LIG AND EWS	= 31.2 SAY 32
<b>RATION OF</b>	
EWS : LIG	= 3:2
SAY	20:13
<b>PARKING</b>	
<b>As per M.P. Bhumi Vikas Niyam 2012 Ref. Table I(3)</b>	
<b>RESIDENTIAL</b>	
One Car Parking space for 100 per sq.m. As per M.P. Bhumi Vikas Niyam 2012	
Parking area of 1 car space in Podium	= 30 Sq.m.
Parking area of 1 car space in Basement	= 35 Sq.m.
<b>TOTAL REQUIREMENT OF PARKING SPACE</b>	
18852.43/100	= 188.52 say 189 Cars (min)
189 Car space	= 30X189 = 5670.00 Sq.m.
PROPOSED PARKING BASEMENT	= 2517.00 SQ.MT
PROPOSED PARKING PODIUM	= 4300.00 SQ.MT.
<b>PROPOSED COVERED PARKING</b>	
4300.00/30	= 143.33 SAY 143 CARS
<b>PROPOSED BASEMENT PARKING</b>	
2517/35	= 71.9 SAY 71 CARS
TOTAL PARKING PROPOSED	= 214 CARS

[R.B. Lal, Chairman]

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[A.A. Mishra, Secretary]

**Parking details**

<b>As Per M.P. Bhumi Vikas Niyam 2012 Ref. Table I(3)</b>	
<b>Residential</b> – one car parking space for 100 PER SQ.M. Built up Area as Per M.P. Bhumi Vikas Niyam 2012	
Parking area of 1 car space in podium = 30 SQ.M.	
Parking area of 1 car space in basement = 35 SQ.M.	
<b><u>Total requirement of parking space</u></b>	
18852.43/100 =	188.52 SAY 189 CARS (MIN)
189 Car Space = 30X189 =	5670.00 SQ.M.
<b><u>Proposed parking area</u></b>	
Proposed parking basement =	2517.00 SQ.MT.
Proposed parking podium =	4300.00 SQ.MT.
Proposed covered parking 4300.00/30 =	143.33 SAY 143 CARS
Proposed basement parking 2517/35 =	71.9 SAY 71 CARS
Total parking proposed =	214 CARS

**Water balance details for residential**

S. N	Item Description	Number of Persons / Seats	Water Requirement / head (litters)	Total water Requirement (litters)
<i>A</i>	<i>Fresh Water Requirement</i>			
1	Apartments/Flats & Duplex	1107	90	99630
2	EWS	76	90	6840
3	Maintenance Staff	10	20	200
	<i>Sub Total of A</i>			<i>106670</i>
<i>B</i>	<i>Flushing Water</i>			
1	Apartments/Flats & Duplex	1107	45	49815
2	EWS	76	45	3420
3	Maintenance Staff	10	25	250
	<i>Sub Total of B</i>			<i>53485</i>

[R.B. Lal, Chairman]

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<i>C</i>	<i>Treated Effluent Water Requirement – Misc. Uses</i>	Area in sq.m.		
1	Landscaping	1431.31	7	10019.17
2	Misc. & Other Uses			15000
	Sub Total of C			25019
	<i>Total water requirement (A+B+C)</i>			<i>185,174 or say 185 KLD</i>

**Waste water balance details for residential**

S N	Item Description	Total water Requirement (litters)	Percentage of water to STP @ 85 % For Domestic and @ 100% for Flushing	Total water Requirement (litters)
<i>A</i>	<i>Domestic water</i>			
1	Apartments/Flats & Duplex	99630	0.85	84685.5
2	EWS	6840	0.85	5814
3	Maintenance Staff	200	0.85	170
	<i>Sub Total of A</i>			<i>90669.5</i>
<i>B</i>	<i>Flushing Water</i>			
1	Apartments/Flats & Duplex	49815	1	49815
2	EWS	3420	1	3420
3	Maintenance Staff	250	1	250
	<i>Sub Total of B</i>			<i>53485</i>
	<i>Total waste water (A+B)</i>			<i>144154.5</i>
		SAY CAPACITY OF STP ~		145 KLD

Total Daily Water requirement	185 KLD
Treated Effluent from STP @ 90% of STP Capacity	131 KLD
<b>Fresh Water required from municipal Water</b>	<b>107 KLD</b>

**Environmental Management Plan–**

**STP:** Moving Bed Bio -film Reactor (MBBR) type of STP is proposed in the project.

- Treatment Concept: Preliminary treatment + Aerobic biodegradation treatment followed by tertiary treatment.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

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[Dr Krishnan Iyer, Member]

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[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

- Treatment objective: To use the water for safe disposal or to use the water in auxiliary purposes like flushing, gardening etc.
- Capacity : 145 KLD
- Operation : 20 Hours

**Solid waste**

- Total solid waste generated will be around 0.481 TPD
- Biodegradable & Non-Biodegradable waste will be segregated at source in accordance with MSW (M&H) Rules, 2000.
- 100% Door to Door Collection system will be done by the maintenance staff.
- Hand driven carts shall deliver the MSW from residential blocks to storage bins and from storage bins to main waste collection point.
- Each set will have bins of three colors with green bin for biodegradable waste, white for recyclable waste and black for other type of waste.
- The MSW collection centre will be at the gate of the campus where three covered bins of green, white and black color will be placed for collection from the campus and for final transportation for disposal.

**Green Area**

- ~ Suitable green belt will be developed as per landscaping plan on the site using native flora, which will enhance the ecology of the area
- ~ As a part of development proposed 2346.88 Sq.mt (23.19%) of total land area will be devoted for landscaping.
- ~ Total trees planted would be 150 Nos.

**Cost of environmental management plan**

Description	Capital cost (lac)	Running cost (lac/year)
Air		
Construction Phase	1.0	
Operation Phase		0.3
Noise		
Construction Phase	0.5	
Operation Phase		0.2
Water and Land		
Construction Phase	2.5	
Operation Phase		0.2
Sewage Treatment Plant	14.0	3.1
Rainwater Harvesting & Storm Water Management	2.0	0.4
Solid Waste Management	1.5	0.4
Energy		

[R.B. Lal, Chairman]

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[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

Lighting	08	0.5
Biological		
Landscaping	3.0	0.6
Total	Rs. 32.5 Lac	Rs. 5.7 Lac / Year

After deliberations committee found the submissions and the presentation satisfactory and acceptable, hence the case was recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 107 KLD and the same shall be obtained from BMW as proposed by the PP.
2. MBBR based STP shall be installed and the operation / maintenance of the same shall be the responsibility of the PP till life of the project.
3. The STP sludge shall be dried through filter-press and shall be disposed off along with the MSW.
4. Separate and engineered MSW storage area has to be developed within the project site with capacity to store 48 hr generation.
5. Appropriate play space has to be provided for children within the project premises.
6. Periodically water quality has to be checked prior to supply of the same for the residents, a log for the same shall be maintained.
7. Efforts shall be made to make the premises as polythene free zone.
8. Use of Solar-power in common areas shall be ensured.

### **Discussion on the query reply and other issues**

**1. Case No. 928/2012 - Shri Jitendra Sonkeshria, Mission School Complex, Seoni Distt. Seoni (M.P.) - Mining of Stone. Lease area 2.83 ha, Khasra No. 102 in Village - Bandol, Tehsil Seoni, Dist. Seoni (M. P.). Proposed production capacity- 7500 m<sup>3</sup> / year.**

This is a mining project of minor mineral with lease area of less than 5 ha. (2.83 Ha). The project is covered as item 1(a) in the schedule of EIA notification. Salient features of the project, the EMP and other relevant issues were discussed in the 149<sup>th</sup> meeting dated 05/09/2014. PP was asked to submit Certification from Mining Officer regarding presence of other mines with 500 meters around the proposed mine site with exact MLA, Khasra No. and other details of the mines (if any). The same were submitted by the PP the case was scrutinized in this meeting. It is observed that the stone mine is proposed at *Khasra No. 102 in Village - Bandol, Tehsil Seoni, Dist. Seoni (M. P.)*. Asst. M.O. Seoni certified vide letter no. 2122 dated 06/09/2014 that 05 more mines are operating / proposed within 500 meter radius of the proposed mine with cumulative lease area of 14.28 ha including the lease area of proposed mine.

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[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

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

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. Air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
5. Transportation of material shall be done in covered vehicles.
6. Curtaining of site shall be done using appropriate media.
7. Production of stone boulder shall be restricted up to 7500 m<sup>3</sup>/Year only and the average depth of the pits shall not exceed 6.00 m at the end of 10 years.
8. The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
9. Transportation shall not be carried out through forest area.
10. Construction of female toilets in the nearby villages in coordination with the Gram Sabha shall be taken up as one of the essential CSR activities.
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. – 1730/2013 M/s Kesar Multimodel Logistics Ltd., through Shri Ramesha Nayak, Head Projects Oriental House 7, Jamshedji Tata Road, Churchgate, Mumbai (M.S.) 400020 Proposed Expansion of “ Composite Logistics Hub ” of M/s Kesar Multimodel Logistics Ltd., at Village – Byavara & Rasailpur, Tehsil – Hoshangabad, Distt. – Hoshangabad (M.P.) Total Plot Area – 357337 Sq. Mt., Built up Area – 70030 Sq. Mt.  
[Query from SEAC 145<sup>th</sup> Meeting dt. 07/11/2013]**

The case was discussed in the 145<sup>th</sup> meeting of SEAC dated 07/11/2013. After deliberations PP was asked to submit response to the following queries:

- *Point-wise compliance duly validated by MPPCB to be submitted, especially the status of construction, green area developed etc.*
- *Water budget of the project seems to be on lower side the same needs to be reviewed and submitted.*

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[Dr R. Maheshwari, Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]



- *Provision of Green Area in at least 20 % of total plot area to be made; accordingly, scheme to be submitted.*
- *Management of solid / hazardous wastes expected to generate from the vehicle repair /servicing workshops to be detailed out and submitted.*

Reply to the above queries was submitted by the PP as per the following details:

- Copy of RO's report received reveals that most of the CTE conditions are complied with. Total construction completed so far is reported to be 17521 m<sup>2</sup>. The CTE accorded for 19223 m<sup>2</sup>.
- Water requirement reported to be 18.5 KLD (fresh water req. 9 KLD).
- It is stated by the PP that green area beyond 4.3% as per approved lay out is not possible within the proposed land; however additional plantation is proposed in the adjoining land owned by the irrigation deptt. Letter from Irrigation dept submitted in this regard.
- T. solid waste generated: 0.105 TPD.

The submissions and presentation made by the PP is satisfactory and acceptable. Hence the case was recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 9 KLD.
2. The EC shall be valid for total built-up area 70030 Sq. Mt. on a total Plot Area of 357337 Sq. Mt. Any addition to the above shall require a fresh EC.
3. STP shall be SAFF type based on preliminary treatment + aerobic biodegradation treatment followed by tertiary treatment having appropriate capacity.
4. Use of treated waste-water for auxiliary purposes like flushing, gardening etc. shall be ensured.
5. Excess treated waste water shall be disposed off only in the common sewer line with consent of the concerned local authorities.
6. Waste generated from work-shops and other utilities of the project shall be inventorized and, characterized and necessary consents / authorization shall be obtained from MPPCB for operating the facility.
7. Additional Green belt outside the premises on either side of Nallah (about 20338 Sqm) shall be carried out by the PP.
8. Proposed green area in the adjoining land shall be developed along with the construction activities.

**3. Case No. 1764/2014 Shri Virendra Singh S/o Shri Tej Singh R/o Village-Ghisili, Tehsil & Distt. – Jhansi (U.P.)-284401 - Pathari Stone Quarry at Khasra No. – 409, Village-Pathari, Tehsil –Orachha, Distt. – Tikamgarh (M.P.) Lease Area – 4.00 Ha., Lease Period – 10 Years, Capacity – 160000 cu.m./Year. Qry SEAC 151<sup>st</sup> meeting dated 27/09/2014.**

This is a case of mining of stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 409, Village- Pathari, Tehsil 6 Orachha, Distt. 6 Tikamgarh (M.P.) in 2.42 Ha. The project requires prior EC before commencement of any activity at site. The case was discussed in the 151<sup>st</sup> meeting dated 27/09/2014. Whereby the scrutiny of the case revealed that the description of the surface geology in the Mining Plan is not appropriate with respect to the slopes hence the PP was

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[Dr R. Maheshwari, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

asked to review the mining plan and furnish clarification in this regard. The same was submitted by the PP and placed before the committee in this meeting.

- A hillock is reported in the lease area resulting into a gentle slope. PP has submitted that the surface plan is in order the mismatch is appearing due to topology of the area. Photographs of the site have also been endorsed.

It is further observed that concerned Mining Officer, Tikamgarh certified vide letter no. 11 dated 03/06/2014 that no mine is operating / proposed within 500 meter radius of the proposed mine.

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

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. Air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
5. Transportation of material shall be done in covered vehicles.
6. Curtaining of site shall be done using appropriate media.
7. Production of stone boulder shall be as per the approved Mining Plan not exceeding 160000 m<sup>3</sup>/Year and the average depth of the pits shall not exceed 6.00 m at the end of 10 years.
8. The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
9. Transportation shall not be carried out through forest area.
10. Construction of female toilets in the nearby villages in coordination with the Gram Sabha shall be taken up as one of the essential social activities.
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.1661/2013 – M/s Arms Real Estate Developers Pvt. Ltd., Raj Bisen, Director Arms Manor, 9 FF, Scheme No.- 54, Vijay Nagar, Indore (M.P.) 452010 Building Construction. The Empress Residential Project, Plot No. – 58/2 and 58/3/2, Opp. Ashirwad Villa, Village – Nipania, Tehsil – Indore, Distt. – Indore (M.P.) Plot Area – 9470 M<sup>2</sup>, Built up Area – 21177.76 M<sup>2</sup>.**

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[Dr R. Maheshwari, Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

[Query received from SEIAA through 165<sup>th</sup> meeting dated 10/10/2014.]

It was pointed out by SEIAA that the built-up area as per T&CP is 21177.76 m<sup>2</sup> whereas the built-up area quoted by PP is 42010.04 m<sup>2</sup>. SEIAA has returned the file for comment on exact built-up area for which the case was appraised and EC is required. Examination of the case reveals that the built-up area as per FAR is 21177.76 m<sup>2</sup> based on which T&CP has approved the lay-out. The total built-up area taken for EC purpose includes FAR plus all the covered service areas (parking, corridors, porches, lifts, balconies and stair-cases etc.) which in present case amounts to be 42010.04 m<sup>2</sup>. Accordingly, the total built-up area considered while appraising the case for EC was taken as 42010.04 m<sup>2</sup>. The same was presented by the PP before the SEAC in the meeting dated 2/5/08/2014. It was decided to forward the file of the project in original to SEIAA along with the clarification submitted by the PP in response to the said query of SEIAA. The case may be considered for grant of EC for total built-up area of 42010.04 m<sup>2</sup> on plot area of 9470m<sup>2</sup> as per the terms and conditions recommended earlier.

- 5. Case No. 1756/2014** Shri Mehtab Singh S/o Shri Patel Singh, Vill.- Rajawat, Th.- Alirajpur, Distt.- Alirajpur (M.P.) - 10 Ha. Sand Quarry at Khasra No. – 2, Village- Rajawat, Tehsil –Alirajpur, Distt. – Alirajpur (M.P.) Lease Area – 10 Ha., Lease Period – 05 Year.[Query SEAC 151<sup>st</sup> meeting dated 27/09/2014.]

The case was discussed in the 151<sup>st</sup> meeting dated 27/09/2014. PP has submitted response to the queries made in the said meeting the same was placed before the committee. It was decided to take up the case along with the other case of Alirajpur after the field visit to be conducted by the sub-committee.

- 6. Case No. – 1274/2013** Shri Vipin Agrawal, Sudama Nagar, Gali No. - 2, Ramtekri, Mandsaur Distt. - Mandsaur (M.P.) E. C. for 2.0 ha. area Stone Quarry at Village-Palewana, Tehsil-Malhargarh, Distt.- Mandsaur (M.P.).[Qry SEAC 153<sup>rd</sup> meeting dated 21/10/2014.]

This is a case of mining of stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Village-Palewana, Tehsil-Malhargarh, Dist- Mandsaur (M.P.)*.in 2.00 Ha. The project requires prior EC before commencement of any activity at site.

The case was considered in the 153<sup>rd</sup> meeting dated 21/10/2014. PP has submitted a copy of approved Mining Plan and requisite information in the prescribed format duly verified by the Tehsildar and DFO. 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. A letter from Mining Officer certifying the leases within 500 meters radius around the site was not been submitted, hence the same was asked from the PP.

The requisite information with supporting document was submitted by the PP and the same was placed before the committee in this meeting. M.O. Mandsaur certified vide letter no. 2398 dated 17/11/2014 that 06 more mines are operating / proposed within 500 meter radius of the proposed mine with cumulative lease area of 6.500 ha including the lease area of proposed mine.

Based on the submissions made by the PP and the presentations, committee decided to recommend the case for grant of prior EC subject to the following special conditions:

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[Dr R. Maheshwari, Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

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. Air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
5. Transportation of material shall be done in covered vehicles.
6. Curtaining of site shall be done using appropriate media.
7. Production of stone boulder shall be as per the approved Mining Plan not exceeding 4320 m<sup>3</sup>/Year and the average depth of the pits shall not exceed 6.00 m at the end of 10 years.
8. The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
9. Transportation shall not be carried out through forest area.
10. Construction of female toilets in the nearby villages in coordination with the Gram Sabha shall be taken up as one of the essential CSR activities.
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.

**7. Case No. – 1670/2013 Shri Kishan Pal Singh R/o Mahindra Nagar, Nawada Bag Colony, Bhind Distt. - Bhind (M.P.) Expansion Gohad Stone Quarry, at Khasra No.- 04, Village – Gohad, Tehsil – Gohad, Distt. – Bhind (M.P.) Lease Area – 3.0 ha. Capacity – 799730 Tonnes Per Year ( Existing Capa. -5000 Tonnes Per Year), Lease Period – 10 Year.**

**[Qry SEAC 148<sup>th</sup> meeting dated 25/08/2014.]**

The case was considered in the 148<sup>th</sup> meeting dated 25/08/2014. PP was asked to submit information along with supporting document regarding presence of other mines within 500 meters around the proposed site. The same was submitted by the PP and placed before the committee in this meeting. It was reported by the concerned Mining Officer Bhind vide letter no. 16966 dated 03/11/2014 that no mine is operating / proposed within 500 meter radius of the proposed mine. In the earlier meeting dated 25/08/2014, committee suggested the PP that the proposed production capacity appears to be on higher side, how the depth, benches etc shall be managed during mining is not clear from the Mining Plan, accordingly, committee was of the view that maximum production that can be allowed is 1,25000 m<sup>3</sup> only. PP agreed for the same.

Based on the submissions made by the PP and the presentations, committee decided to recommend the case for grant of prior EC subject to the following special conditions:

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[Dr R. Maheshwari, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

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. Air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
5. Transportation of material shall be done in covered vehicles.
6. Curtaining of site shall be done using appropriate media.
7. Production of stone boulder shall be as per the approved Mining Plan not exceeding 125000 m<sup>3</sup>/Year and the average depth of the pits shall not exceed 6.00 m at the end of 10 years.
8. The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
9. Transportation shall not be carried out through forest area.
10. Construction of female toilets in the nearby villages in coordination with the Gram Sabha shall be taken up as one of the essential CSR activities.
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.

**8. Case No. 1758/2014 Shri Ram Constructions Engineers & Contractor, Vill. – L.D. Khodiyar Matree Smriti, Opp. Science Collage, Pandav Nagar, Shahdol (M.P.)- 484001- Basalt Rock Stone Boulder Quarry (New) at Khasra No. – 188,206 Village- Anuppur, Tehsil – Puspajgarh, Distt. – Anuppur (M.P.) Lease Area – 1.133 Ha., Lease Period – 10 Years ( 04/12/2012 to 03/12/2022), Capacity – 7500 cu.m./Year.[Query SEAC 151<sup>st</sup> meeting dated 27/09/2014]**

The case was considered in the 151<sup>st</sup> meeting dated 27/09/2014. After deliberations and scrutiny of project committee asked the PP for submission of response for the following queries:

1. Plans and sections are not prepared as per MP Minor Mineral Concession Rules 2013.
2. Scheme of Mining is not clear about the mining method, bench dimension, ultimate depth, pit slope etc.

**Submissions made by the PP reveals following:**

- Mining is proposed only in one khasra i.e Kh no. 188 and the other khasra no. 206 shall be used for allied activities including crusher. Accordingly the mining plan has been revised.
- The revised scheme including the conceptual, closure, EMP and other plans were submitted.

[R.B. Lal, Chairman]

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[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

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[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

After scrutiny of the submitted documents committee is of the view that after leaving a part of Khasra no. 206 the left out area (less than 1 ha) in khasra no. 188 is not appropriate for the proposed mining, hence EC can be considered for the same. The case was recommended for delisting hence may be returned to SEIAA.

**9. Case No. 880/2012- M/S Laxmi Gour Marble (P) Ltd. R.M. Lohia Ward 8, Satyam Compound, Nadi paar Katni (M.P.) - Environment Clearance for production of Mable (2340 cubic Meter/Year) for existing quarry (1.17 Ha) M/s. Laxmi Gour Marble (P) Ltd. at Village Chhapra, Tehsil ó Bahoriband, Dist Katni (M.P.).**

TOR has been issued to the PP for carrying out EIA / EMP vide letter dated 10/01/2013. PP has pointed out that the title (subject) of the project quoted in the issued TOR is incorrect in terms of production capacity hence it was requested by the PP to correct the same. After scrutiny of the case file committee has recommended to make the change in issued TOR as desired by the PP. Accordingly, the proposed production capacity in the TOR may be read as 2340 m3 / year.

**10. Case No. - 671/2012 - Shri Shankarlal Vishwakarma S/o Shri Puralal Vishwakarma, Jalpadevi Ward, Gautam Mohalla – Katni, Di stt. – Katni (M.P.) - Enhancement in mining capacity of Tikariya Bauxite, Laterite and Fire Clay Mine of Lease Area - 27.02 Ha., at Khasra no. 423, 424, 425/1, 425/2, 426, 454/1, 454/2, 457, 458, 459, 422, 455, 460, 467, 468, 469, 498, 500, 509, Village - Tikariya, Tehsil – Murwara, Distt. – Katni (M.P.) Capacity – 1.25 lac MTPA to 7. 0 lac MTPA. Lease Area - 27.02 Ha.**

The Case has been recommended in the 143<sup>rd</sup> SEAC meeting dated 29/10/2013. SEIAA in its 155<sup>th</sup> Meeting dt. 08/08/2014 discussed the matter and decided to return the case to SEAC for compliance of the MoEF O.M. dated 30/05/2012 applicable in case of capacity expansion projects. The compliance report submitted by the PP for the EC conditions was examined vis-à-vis ground facts in the SEAC meeting dated 29/10/2013 before recommending the case to SEIAA for grant of EC. However, later the MoEF certified compliance report has been submitted by the PP, the same was placed before the committee in this meeting and discussed by the members. The authenticated compliance report submitted reveals that most of the terms and conditions are being complied and some of the conditions have been partly complied. Based on the compliance report the case may be considered for grant of prior EC for the desired production subject to the following additional special conditions:

1. The 05 No. of existing old pits shall be taken up for reclamation immediately before opening a new pit.
2. Need-based socio-economic activities have to be taken up through Gram Panchayat.
3. OB stabilization through construction of appropriate toe-walls, geo-textile matting & plantation has to be completed in the existing OB before opening up new pit.
4. The AAQ monitoring shall be done periodically and a comparison of the same with base-line data shall be submitted to MPPCB.
5. Ground water monitoring shall be carried out regularly through piezometers.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[Dr R. Maheshwari, Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]

6. Although it is reported that the mining is not going to intersect the ground-water regime but in view of present pit depth and the seepage observed PP shall carry out hydro-geological study and submit the report to concerned authority.
7. Analyses of mine-water have to carried out periodically and submitted to MPPCB.

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

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[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Shri M.P. Singh, Member]

[Dr Krishnan Iyer, Member]

[Dr R. Maheshwari, Member]

[Dr. Mohini Saxena, Member]

[Dr. Manoj Pradhan]

[Manohar K. Joshi, Member]

[A.A. Mishra, Secretary]