

MINUTES OF STATE EXPERT APPRAISAL COMMITTEE

143rd MEETING 29th October 2013

The meeting conducted on 29th October 2013 was presided over by Shri S.C. Jain. Following Members attended the meeting-

1. Shri K.P. Nyati, Member
2. Shri A.P. Srivastava, Member
3. Dr. MohiniSaxena, Member
4. Prof. V. Subramanian, Member and

The Chairman welcomed all the members of the Committee and thereafter agenda items were taken up for deliberations. Meetings for the month of November were decided to be held on 7th and 8th of November 2013 Meeting ended with thanks to the Chair and the Members.

Consideration of the Projects – Following projects were taken up for deliberations one by one:-

1. Case No. – 1705/2013 Shri Raghuraj Singh Chourdiya S/o Shri Fateh Singh Chourdiya, R/o Rajmandir Complex, Neemuch (M.P.) 400 055 Kandaka Limestones Mine at Survey No. – 142/2, Village - Kandaka, Tehsil – Jawad, Distt- Neemuch (M.P.) Lease Area – 5.00 ha. Capacity – 5,00,000 MT/Annum. Env. Consultant : Not disclosed. ToR.

Neither the Project Proponent nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Hence Committee decided to consider the case in the coming meetings of November 2013.

2. 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 M² , Built up Area – 21177.76 M² Ground Coverage – 2083.2 M² Env. Consultant : Kadam Env. Con. , Delhi.

Neither the Project Proponent nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Hence Committee decided to consider the case in the coming meetings of November 2013.

3. Case No. - 605/2010 M/s Ramchandra Badriprasad Gour “Gaur Bhavan” Hanumanganj – Katni , Distt. -Katni (M.P.) - 482003 EIA Presentation. Ametha Limestone Mine at Khasra No. - 311, 336, 350, 327, 339, 341,344, 351, 326, 338, 337, 328, 340, 343, 345, Village -Vijayraghgarh, Distt.- Katni (M.P.) Lease Area- 12.93 Ha., Capa.- 164763 TPA. Creative Enviro Services Bpl. (M.P.) ToR issued vide letter no . 66 dt. 29/07/12.

This is a mining project comprising lease area of 12.93 Ha. Production capacity proposed is 164763 TPA. The project falls under category B mentioned at SN 1 (a) of the Schedule of EIA Notification, hence requires prior EC from SEIAA. The TOR for the project to carry out

[S.C. Jain, Chairman]

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EIA and prepare EMP was issued vide letter dated 29/07/2012. EIA was forwarded by SEIAA to SEAC for technical appraisal of the project and necessary recommendations. PP and his consultant presented the case before the committee which reveals following:

Back ground of project

Production Capacity	164763 MTPA
Land status	Private and Govt. land
Public Hearing	04.04.2013
Location of Mine	Amehta, Tehsil- Vijayraghgarh, Dist.- Katni (MP)
Old Khasra no..	311, 336, 350, 327, 339, 341, 344, 351, 326, 338, 337, 328, 340, 343, 345
New Khasra No.	187, 188, 208, 207, 210, 219, 211, 212, 214, 215
Lessees	M/s Ramchandra Badriprasad Gour, Katni
Altitude	380-378 AMSL
Lease period	20 year

Details of public hearing

Public hearing was conducted on 04.04.2013 from 11.00am at mine premises, Village-Amehta, Dist Katni (MP). Total 72 people have attended the public hearing and certain suggestion (05 no. written) and observation given during the public hearing. In general the Public Hearing was in favour of the project. Major demands / suggestions were pertaining to following issues:

- Local people should get the employment.
- Water spray arrangement of village road.
- Plantation at village Amehta for improvement of environment

PP has submitted satisfactory response to the above.

Proposed socio-economic activities

SN	Activity	Amount in Rs
1.	Provision of carpus fund for social /developmental activities like provision of infrastructure facility at school, medical camps etc as proposed by Village Panchayat	50,000/- per year
2.	Provision for hand pump in village Amehta	25,000/-
3.	Provision of construction of village road in Amehta with help of gramp Panchayat	50,000/-
4.	Provision of water spraying and plantation at open land	10,000/-

Environmental setting of project

Village	Amehta
Tehsil	Vijayraghgarh
District	Katni
State	MP

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Lease area	12.93ha
Latitude & Longitude	24° 10' N & 80° 32' E
General ground level	380m
Elevation range	Highest - 380m RL Lowest - 378m RL
Nearest National/State Highway	Jhukehió Kymore Road ó 0.5km - NNE
Nearest Railway Station	Jhukehi - 15.0 km
Nearest Airport	Jabalpur - 120km
Nearest Tourist Place	None within 10km radius
Archaeological Important Place	None within 10km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None within 10km radius.
Reserved / Protected Forest within 10km radius	SurmaRF- 4.0 km - W Protected forest - 0.362 km - N
Nearest Town / City within 10km radius	Kymore-7.60km NE
Nearest Village	Ametha Sharmdam Colony - 0.3 km - NW
Nearest River	Koilari River - 6.2 km - SSE Tones River - 4.6 km - NW
Nearest surface water bodies	Jhapawan Nalla - 8.0 km - E
Nearest Hill Ranges	Kymore hill - 1.25km - WNW
Other mining lease falling within the 10km radius	Approx 40 no. of mines and quarry & Crushers, lime kiln
Industrial activity falling within the 10km radius	ACC Cement Works, Kymore Everest Industries Limited, Kymore

Salient features of the project

Type of Mine	Opencast
Mining Lease Area	12.93 ha
Mineable Area	11.57ha
Existing Pits	7.319ha
Existing dump	1.975ha
Infrastructure and road	0.35ha
Plantation	0.75ha
Existing backfilled area	5.17ha
Recoverable Reserve	2302761T
Method of mining	Other than fully mechanised
Ultimate Depth of Mining	28mbgl (upto 350RL)
Proposed capacity	164763 tonne per year
Expected Life of Mines	16 years

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Proposed mode to transportation of mineral	Through Railway
Area to be covered under dumps	0.25ha
Area to be covered under open pit	11.57ha
Area to be converted as water body	5.17ha
Area to be covered under plantation	7.4ha
Area to be covered under backfilling	6.4ha
Ground water table	
Monsoon period	15m bgl (363mRL)
Dry month	18m bgl (360mRL)

Conceptual plan

Items	Existing	At the end conceptual period
Total lease area	12.93 ha	
Area under pits	7.319ha	11.57ha
Area under Dumps	1.975ha	0.25ha
Infrastructure & Road	0.35ha	0.35ha
Mineral storage	0.075ha	0.075ha
Plantation	0.75ha	7.4ha
Backfilled area	5.17ha	6.40ha
Water reservoir	2.0ha	5.17ha
Ultimate depth	28mbgl	28mbgl

Proposed method of the project

Opencast Mining Method	<ul style="list-style-type: none">➤ The present mining operation has been carried out by open cast semi-mechanized method.➤ During the past period of mining few pits were opened, which are accumulated as pit-A➤ Proposed mining operation will be carried out by other than fully mechanized method.➤ Development & production work will be done by excavator cum loader.➤ Proposed mining will be done in extending western faces of pit-A towards west, excavated pit will be extended depth-wise➤ Before starting of proposed excavation, existing waste dump D1 (part) will be re-handled & same will be used for maintenance of haul road and backfilling of mined out area.➤ Mining and reclamation will be done simultaneously.
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	➤ During the first year, about seven development/ production benches will be made. Height of the benches will be maintained from 2 to 6m accordingly, face advance will be 56 to 701m.
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Year wise development/ production for the First year period

Year	Soil in m ³	Shale in m ³	10% Waste in m ³	Limestone in T
1 st	23400	61566	7323	164763
Total	23400	61566	7323	164763

Afforestation plan

Environment impact & management : Ecology: Stage Wise Cumulative Plantation										
Requirements of plants for Afforestation/Reclamation										
Year	Un-worked area		Outside dumps (backfilled area)		Inside Dumps		Top soil dumps		Total	
	Area (Ha)	Tree	Area (Ha)	Tree	Area (Ha)	Trees	Area (Ha)	Tree	Area (Ha)	Tree
Present	0.25	200	0.5	300	-	-	-	-	0.75	500
1 st	-	-	1.0	1500	0.25	375	-	-	1.25	1875
2 nd	-	-	1.0	1500	-	-	-	-	1.0	1500
3 rd	-	-	1.0	1500	-	-	-	-	1.0	1500
4 th	-	-	1.0	1500	-	-	-	-	1.0	1500
5 th	0.25	375	0.75	1100	-	-	-	-	1.0	1475
6 th	0.25	375	1.15	1725	-	-	-	-	1.40	2100
Total	0.75	950	6.4	9125	0.25	375	-	-	7.4	10450

After deliberations committee decided to recommend case for grant of prior EC subject to the following special conditions:

1. Concurrent back-filling shall be taken up.
2. The production capacity shall not exceed 164763 MTPA.
3. Execution of all CSR activities shall be taken up through Gram Sabha and Local Administration.

4. Case No. – 1684/2013 M/s Siddivinayak Developers, Proprietor Mr. kailash Raghuwanshi, FF - 29, 30, Shekhar Villa, 06, Scheme No. – 54, Vijay Nagar, Indore - (M.P) -452010 Building Construction. " Maple Woods " Chugh Reality Pvt. Limited, Chugh Infrastructyre Pvt. Ltd. and Developers Siddhi Vinayak Developers at Khasra No. – 41/1, 41/2, 43, 56, 57, 58, 59, 60, 61/2 and 92, Village- Pipliyakumar, Tehsil & District – Indore (M.P.), **Plot Area – 63 410 M², Built up Area – 147128.75 M², Ground Coverage – 19023 M².**(Ealiar case was scheduled 137th SEAC Meeting dated 24/07/13- Violation)
Env. Consultant : Kadam Env. Con. , Vadodra (Guj.)

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Neither the Project Proponent nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Hence Committee decided to consider the case in the coming meetings of November 2013.

5. Case No. – 1727/2013 M/s RSPL Limited through Mr. Vinod K. Shukla, GM Liaisons, 109/336, R.K. Nagar, G.T. Road, Kanpur(U.P.)485771 **ToR.** M/s RSPL Limited at Plot No. – 42-47 and 49-54, Village - Sidhgawn, Tehsil – Sagar, Distt- Sagar (M.P.) Product & Production Capacity – (1) Detergent Cake- 19200 MTPA, (2) Detergent Powder - 39600 MTPA, (3) LABSA – 24000 MTPA, (4) D.G. Sets- 1010 KVA x 2 +1500 KVA x 1, (5) Optical Brightner – 3000 MTPA, **Project Category 5 (f) B, Total Plot Area – 44000.00 Sq.m.,** Note: 1 to 4 are the products for which consent to has already been obtain from MPPCB, However this application is for the addition of the new product ie Optical Brightener. **Env. Consultant : Kadam Env. Con. , Vadodra (Guj.)**

The project pertains to proposed production of Optical Brightner ó 3000 MTPA. The industry is existing and already producing (1) Detergent Cake- 19200 MTPA, (2) Detergent Powder - 39600 MTPA, (3) LABSA ó 24000 MTPA, with due consent from MPPCB under Air & Water Acts. The proposed product is covered under EIA Notification and mentioned at SN 5(f) of the Schedule. Application was forwarded by SEIAA to SEAC for scoping so as determined TOR to carry outr EIA and prepare EMP for the project site. PP and his consultant presented the case before the committee which reveals following:

Background

- The project proponent, namely M/s Rohit Surfactants Private Limited (RSPL) is a reputed manufacturer of detergents in the country and is well known for its -GHADIØ brand of products.
- RSPL has received relevant approvals (including CTE and CTO from the MPPCB) for construction of an industrial plant for the manufacture of detergents and related products (i.e. Detergent Powder, Detergent Cake and LABSA). The plant has recently commenced production. The plant is located within a Notified Industrial Area (IIDC Growth Centre), managed by the MPAKVN, at Sector-K, Sidhgawan Growth Center at Sagar, M.P. The (contiguous) plots within the Estate are Nos. 42 to 47 & 49 to 54.
- As part of its backward integration efforts, RSPL is keen to set up a plant for manufacturing *Optical Brighteners* required to be added in detergents and which are currently purchased from other manufacturers. Optical Brighteners, *however being Synthetic Organic Chemicals*, are covered under Schedule 5(f) of the EIA Notification dated September 14, 2006, as amended till date. Consequently this proposed new plant will require EC from the SEAC (being in a notified industrial area, it is a B Category Project).

Rationale for setting up the project

About Optical Brighteners

- Optical brighteners, formally known as *Optical Brightening Agents (OBAs)* are chemicals used for *providing additional whiteness* to the substrate on which they are applied.

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- There are different OBAs for different substrates such as for textiles (cotton, polyester, polyamide and wool), paper (pulp, paper and tissues), plastic (for container packaging) and for clothing (apparel and laundry).
- The proposed project *will manufacture OBAs used in cotton textiles only*.
- Being a backward integration project, the production will be utilized for internal consumption by RSPL's existing detergents plants to achieve better cost saving and establish stronger control over final quality of the product.

Site connectivity

S N	Road, Rail and Air	~Distance in kms	Direction from Project site
1	Road: a) Sagar ó Damoh MPSH-14 b) North óSouth Corridor NH-26 c) NH-86	0.33 2.31 1.40	NW W NW
2	Rail: Sagar Railway Station	5.0	SW
3	Air: a) Raja Bhoj International Airport, Bhopal	164	SW

Study area sensitivity

Site sensitivity chart				
S. No.	Feature	Name and (Within 15 km of Study Area unless mentioned)	Distance	Direction
1	Habitations	Village	Distance in km	Direction
		Rusalla	2.10	NW
		Guda	2.42	S
		Sidhguwan	0.66	NW
		Kerbana	2.35	N
		Majaguwan	4.31	NE
		Khiria Tajkhan	3.05	W
		Sanodha	6.00	E
		Bamhori Dhunder	3.51	SSE
2	Lakes/Reservoir/Dams	Dam	Distance	Direction
		Lakha Banjara Lake	12.37	SSW
3	Streams/Rivers	River	Distance	Direction
		Sunar	7.8	SSE
4	Estuary/Sea	No		
5	Ponds	Nearest Pond	Distance	Direction
		Chantoria Village	~ 3 km	SE

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Description	SQM
Total Plot Area	44000.0
Total Green Area	13500.0
Covered Area Ground Floor	
Block-A OBA Plant	2737.0
Block-B Powder Plant	4852.5
Block-C Cake plant	4186.35
Admin Block	278.58
Covered Area Of Gaurd Room	10.0
Covered Area Of Electrical Room	136.0
Covered Area Of Canteen & First Aid Room	180.0
Block-A Covered Area 1 st Floor OBA Plant	2737.0
Block-A Covered Area 2 nd floor OBA Plant	2737.0
Block-A Covered Area 3rd floor OBA Plant	2737.0
Total Covered Area	20591.3

Project summary

SN	Item	Details	
1	Location	Plot No	42 to 47 & 49 to 54, IIDC Growth Centre
		Village	Sidhgawan
		Tehsil	Sagar
		State	Madhya Pradesh
2	Co-ordinates	1. Latitude: ~23° 53'42.18" N 2. Longitude: ~78° 50'58.74" E	
3	Total Area of Plot	4.4 Ha (44,000 m ²)	
4	Green Area Earmarked (Plantation + Greenbelt)	1.35 Ha (13,500 m ²), i.e. ~30.7% of total plot area (~18% Greenbelt & 12% Plantation)	
4	Existing Products (Name and Capacity)	1. Detergent Cake: 19,200 MT/Year 2. Detergent Powder: 39,600 MT/Year 3. LABSA: 15,000 MT/Year (<i>being increased to 24,000 MT/Y</i>)	

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5	Proposed Product (Name and Capacity)	1. Optical Brighteners: 4050 MT/Year	
6	Project Cost	INR 27 Crores	
7	Employment (Persons)	<i>Existing Plants:</i> 1. Detergent Cake and Powder: 100 2. LABSA: 50 <i>Proposed Plant: OBA: 70</i>	
8	Power Supply (Grid and Standby)	<i>Grid:</i> 3000 KVA by the Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Ltd. (MPPKVVCL). <i>No additional grid power</i> is required since the available contract demand adequately covers the proposed project's power requirements. <i>Standby Power</i> (through DG Sets) Existing: 1. Detergents (Cake and Powder) Plant: one 750 kVA DG set, consuming ~160 litres/hour of High Speed Diesel (HSD) 2. LABSA Plant: One, 1010 kVA DG set consuming ~200 litres/hour of HSD Proposed: 1. Optical Brightening Agent Plant: one 1250 kVA DG set, consuming ~250 litres/hour of HSD	
9	Water		
9.1	Sources	1. Surface water from nearby MPAKVN assured by Govt. of MP. Groundwater: Existing Bore Well at Site	
9.1	Water Requirement (KL/D)	Industrial	Domestic
		Existing: 1. Detergents (Cake and Powder) Plant: ~4.0 2. LABSA Plant: 58.0 Proposed: 1. Optical Brightening Agent Plant: ~258 Total: ~320	Existing: 1. Detergents (Cake and Powder) Plant: 4.8 2. LABSA Plant: 2.4 Proposed: 1. Optical Brightening Agent Plant: 3.5 Total: 10.7
		Total Water Requirement: ~331.0	

Products & Capacity

S	Name of product	Unit	Existing Capacity
1	Detergent Cake	MT/Y	19200

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2	Detergent powder	MT/Y	39600
3	Linear Alkyl Benzene Sulphonic Acid (LABSA)	MT/Y	24000*
4	D.G Sets	KVA	2X1010
S No .	Name of product	Unit	Proposed Capacity
5.	Optical Brightener	MT/Y	4050

Raw materials for detergent cake

Materials	Qty in Kg/Month
Soda ash	73
Linear alkyle benzene sulphonic acid (LABSA)	123
Alfa olefin sulphonate (AOS)	45
Dolomite	19
China Clay	363
Sodium Tri poly Phosphate (STPP)	144
Sodium Silicate	72
Perfume	0.72
Colour & OBA	3.55
Paroflight	72
Acosol	12
Water (Approx)	40

Raw materials for detergent powder

Materials	Qty in Kg
Soda ash	368
Linear alkyle benzene sulphonic acid (LABSA)	100
Alfa olefin sulphonate (AOS)	58
Salt	91
Dolomite	367
Optical Brightner	2.8
Perfume	0.55
Colour	0.4
Acosol	11
Water (Approx)	12

Raw material for optical brightener

Materials	Qty in Kg Per Month
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Ice	900000
Caustic Lye 48%	127125
Vac. Salt	218250
DASDA 96%	93375
Cyanuric chloride	90000
Aniline	45000
Mono Ethanol Amine	37500
Soda Ash	33000
HSI liquid	1125
EDTA	450
HCL 30%	375

Water budgeting

Description`	Required KLD	Consumption KLD	Discharge KLD	MEE/E TP	From ETP/MEE
LABSA	58	44	13.5	ETP	Horticulture
Detergent Cake	2.48	2.48	NIL	-	
Detergent Powder	1.5	1.5	NIL	-	
Optical Brightener	257.610	72.040	112.196	MEE	Evaporated
Total	320		125.696		

Domestic:	No. of Worker	Required KLD
LABSA	50	2.4
Detergent Powder and Cake	100	4.8
Optical Brightener	70	3.5
Total	220	10.7

Total Water Req: 330.7 KLD

Hazardous waste generation

S N	Waste Name	Category	Qty	Disposal Method
1	Discarded Bags / Containers	33.3	400 nos.	Sent to Authorized Vendors
2	ETP Sludge		10 Kg per Day	Sent to Authorized Vendors
3	Generator Oil per service 180 ltr/250 Hrs.	5.1	1440 Lit Per Year	Sent to Authorized Vendors

Solid waste generation

SN	Waste Name	Qty	Disposal Method
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1	Salt residue from MEE	3.5TPD	will be completely recycled by mixing it along with detergent
2	Municipal solid waste	100 kg per day	will be disposed off to the nearest Municipal Dumpsite
3	Packaging bags	2 TPA	Will be sold to the authorized dealer
4	Waste Oil	1440 Ltrs/ Year	Sent To Authorized Vendor

Green area breakup

Description	Sq.m.
Lawn -1	2000.0
Lawn -2	1350.0
Lawn -3	480.0
Lawn -4	440.0
Lawn -5	441.0
Lawn -6	490.3
Lawn -7	36.5
Total Lawn Area	5238.6 (11.65%)
Green Belt along the periphery	8261.4(18.5%)
Total Green Area	13500.0 (~30%)

After deliberations committee has approved the proposed TOR with inclusion of following additional points for inclusion in the EIA report:

1. Plot area statement to be furnished clearly mentioning the area under use presently and existing green area. Supporting real-time photographs of the site should be furnished.
2. Scheme for Green coverage ensuring 33% of the total plot area including thick green belt all around the unit has to be furnished on the site lay out.
3. The area statement should also indicate the additional built-up area for the proposed enhancement.
4. Comparative statement comparing the present water, power and other consumptions and the additional requirements for the same to be presented in the EIA report along with the sources and commitments / permissions from the competent authorities.
5. Inventory of all types of hazardous wastes generated and expected to be generated has to be furnished clearly indicating the mode of disposal of the same.
6. Report on point-wise compliance of the consent conditions duly validated from MPPCB has to be furnished.
7. On-site emergency plan being executed and that proposed has to be furnished.
8. Comparative study of the pollution loads taking into consideration the worst case scenario has to be presented.
9. EMP being adapted presently and that proposed for the proposed expansion has to be detailed out in the EIA / EMP report.

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10. Applicability of the Major Accident Hazard Control (MAHC) Rules, 1997 and compliances thereby have to be examined and presented.

6. Case No. - 692/2012 Shri M.G. Chobey, Engineer- in Chief Department of Water Resources, Tulsi Nagar, Bhopal (M.P.) – 462003 EIA Presentation. *Ganeshpura Pick Up Weir Project Cultivable Command Area 6775 ha., Gross Command Area – 9650 ha, Catchment Area – 5698, Earth Dam Lenth – 2095 M, Left flank – 1597 M, Right flank 498 M, Maximum height of Dam – 10.293 Gross Storage Capacity - 107.04 MCM, Live Storage Capacity – 95.65 MCM,. at Village – Pacher, Tehsil – Khargapur, Distt. – Tikamgarh(M.P.) Env. Consultant:WAPCOS, Gurgaon (Haryana) ToR issued vide letter no. 292 dt. 20/06/12*

This is a River Valley Project proposing CCA of 6775 Ha, Gross Command Area of 9650 Ha, power production is not proposed. The project is covered in EIA Notification and mentioned at S.N. 1(c). The project thus requires prior EC from SEIAA before commencement of activity at site. The TOR to carry out EIA was approved vide letter dated 20/06/2012. The EIA / EMP submitted by the Pp was forwarded by SEIAA to SEAC for appraisal. The report was presented by the PP and his consultant before the committee which reveals following features:

Salient features

Project Components

Location

District - Tikmagarh
River - Dhasan River

Dam

Type - Earthen dam
Total length of earthen portion 2095.05 m
Height above ground level - 10.293 m
Top width of earthen dam - 4.572 m

Reservoir data

Gross storage capacity 55.83 Mcum
Live storage capacity - 42.92 Mcum

Irrigation

Gross Command Area 9650 ha
Culturable Command Area - 6700 ha

Land Requirement

Details of land to be acquired for the project

Project Appurtenance	Area (ha)
Submergence area	1656.98
Approach road	10.00
Quarry and muck disposal	50.00
Colony	15.00
Canal network	295.50
Approach road for canals	20.00
Other structures	29.55

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Total	2077.03
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Different categories of land acquired for the project

Category	Area (ha)
Government	529.37
Private	1477.91
Forest	69.75
Total	2077.03

Study Area**Submergence area**

- " Area required for various project appurtenances
- " Area within 10 km of various project appurtenances including i.e. canal network, etc.
- " Gross Command Area
- " Catchment Area intercepted at the diversion structure site

Tree density observed in the study area

Sampling Location	Nos./ ha
Dam site	80
Submergence site-I	96
Submergence site-II	48
Catchment site-I	58
Catchment site-II	74
Command area-I	76
Command area-II	64

Change in Land use pattern due to the project

Pre-project Phase		Post-Project Phase
Name of the crop	Area under cultivation (ha)	Area under cultivation(ha)
Kharif		
Rice	950	750
Ground Nut	450	850
Soyabean	1180	1000
Jowar	270	250
Rabi		
Ordinary Wheat	2500	3500
Gram	2000	3600
Total	7350	9950

Improvement in productivity

Crop	Before irrigation	After irrigation
Rice	7.0	12.0
Ground Nut	10.0	20.0
Soyabean	8.0	15.0
Jowar	6.0	10.0
Wheat 0 MV	18.0	30.0
Gram	10.0	20.0

Crop production before and after the project:

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S. N	Crop	Area (ha)	Yield(q/ha)	Yield (t/ha)	Production (t)
WITHOUT 6 PROJECT					
	Kharif				
1.	Rice	950	7	0.7	665
2.	Ground Nut	450	10	1.0	450
3.	Soyabean	1180	8	0.8	944
4.	Jower	270	6	0.6	162
	Rabi				
1.	Ordinary Wheat	2500	18	1.8	4500
2.	Gram	2000	10	1	2000
	Total				8721
WITH 6 PROJECT					
	Kharif				
1.	Rice	750	12.0	1.2	900
2.	Groundnut	850	12.0	2.0	1700
3.	Soyabean	1000	15.0	1.5	1500
4.	Jower	250	10.0	1.0	250
	Rabi				
1.	Wheat 0 MV	3500	30.0	3	10500
2.	Gram	3600	20.0	2	7200
	Total				22050

Environmental Management Plan

Biodiversity conservation and management plan

- ✓ Total forest area to be acquired is 69.75 ha and the total land proposed to be afforested is 139.5 ha
- ✓ There is no wildlife sanctuary, national park, etc. within the study area.
- ✓ No rare, endangered and threatened species are reported in the project area.
- ✓ Measures proposed for conservation and improvement of biodiversity:
 - Forest Protection Plan
 - Public awareness for the protection of wild life and prevention of forest fires
 - Improvement of Wildlife habitats
 - Patrolling and surveillance for anti-poaching
 - Improvement of vigilance by procurement of field vehicles and Motorbikes.
 - Organizing public awareness programmes, conducting training camps,

Fisheries Management Plan

- Release of environmental flows
- River is almost dry from December to June; i.e. non-monsoon-non lean season and lean season.
- It is recommended to release 30% of discharge in monsoon season as Environmental Flow
- Sustenance & enhancement of fisheries potential through supplementary stocking of reservoir
- Fish production potential will be 50 kg/ha/yr in the reservoir.

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Control of Water Pollution

Construction phase

- ~ Provision of settling tank for treatment of effluent from construction site.
- ~ Provision of STP for treatment of sewage generated from labour camp

Operation phase

- ~ Provision of STP for treatment of sewage generated from project colony

Control of Air Pollution

- É Construction equipment and vehicles will be turned off when not used for extended periods of time.
- É Contractor shall ensure that there is effective traffic management at site. The number of trucks/vehicles to move at various construction sites should be fixed
- É Road damage caused by sub-project activities will be promptly attended to with proper road repair and maintenance work.
- É Excessive soil on paved areas will be sprayed (wet) and/or swept and unpaved areas will be sprayed and/or mulched.
- É Contractors will be required to cover stockpiled soils and trucks hauling soil, sand, and other loose materials (or require trucks to maintain at least two feet of freeboard).

Resettlement and Rehabilitation Plan

Details of Project Affected Families

- ~ Total number of families losing lands : 3061
- ~ Total number of families losing homestead : 1960

Details of families losing land and homestead

Village	No. of families losing land	No. of families losing homestead
Bhanpura	582	520
Chinguwan	342	0
Kotra	162	610
Pacher	203	0
Gagarra	125	100
Didol	320	210
Rampura	592	520
Hilguwan	735	0
Total	3061	1960

Details of land to be acquired for the project

Project Appurtenance	Area (ha)
Submergence area	1656.98
Approach road	10.00
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Measures proposed for rehabilitation

- " Compensation for land as decided by the District Administration
- " Each PAF shall be entitled to a rehabilitation grant equivalent to 750 days minimum agricultural wages
- " A provision of Rs. 10,000 per PAF is being kept for a one-time financial assistance to each khatedar in the affected family for loss of agricultural production
- " A provision of Rs. 500/month for 6 months for one person per PAF shall be given for training
- " One person from each affected family shall be offered necessary training facilities for development of entrepreneurship, technical and professional skills for self-employment
- " Scholarship @ Rs. 500 per month to at least 1 child per PAF for a period of 1 year.
- " Preference to willing landless labourers and unemployed affected persons while engaging labour in the project during construction phase.

Measures for resettlement

- " Provision of land for house construction to the extent of actual loss of area of the acquired house but not more 250 sqm
- " House Building assistance of Rs. 150,000.
- " Financial assistance for construction of cattle shed -Rs. 15,000.
- " Land or house allotted to the affected families under this policy shall be free from all encumbrances
- " Land or house allotted to the affected families under this policy may be in the joint names of wife and husband of the affected family.
- " One-time financial assistance of Rs. 10,000, for shifting of the family, building materials, belongings and cattle to each PAF.
- " One-time financial assistance of Rs. 25,000 for construction of working shed or shop to rural artisan, small trader or self-employed person
- " Monthly subsistence allowance equivalent to 25 days minimum agricultural wages per month for a period of 1 year from the date of displacement for each PAF.
- " Amenities and Infrastructural facilities to be provided at Resettlement Areas shall, include Internal Village Road Network, drainage Network within the Resettlement site, sanitation Network within the Resettlement site, safe drinking water, footpath, public transport, drinking water trough for cattle, Place of Worship, Cremation grounds, Fair Price shops and other shops, Post Office, Panchayat Ghar, Community Hall, Health Care Facility, Garden and children's playground, Educational institutions (schools) in resettlement sites, Space for weekly market,
- " Provision of land for house construction to the extent of actual loss of area of the acquired house but not more 250 sqm
- " House Building assistance of Rs. 150,000.
- " Financial assistance for construction of cattle shed -Rs. 15,000.
- " Land or house allotted to the affected families under this policy shall be free from all encumbrances
- " Land or house allotted to the affected families under this policy may be in the joint names of wife and husband of the affected family.

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Local Area Development Plan

Budget earmarked for LADA Plan : 0.5% of the project cost

Up-gradation of infrastructure in 10 primary schools in the study area.

- “ Up-gradation of school infrastructure, equipment
- “ Improvement of drinking water and sanitation facilities

Up-gradation of 2 existing PHC in the study Area

- “ Furniture, Beds and other items
- “ Up-gradation of Pathological laboratory
- “ Up-gradation of operation theater

Details of the cost for up-gradation of existing primary schools

SN	Particular	Amount (Rs. million per school)	Amount (Rs. million for 10 schools)
1	Furniture & fixtures and equipments	0.2	2.00
2	Improvement of drinking water & sanitation facilities	0.2	2.00
	Total		4.00

Details of the cost for up-gradation of PHCs

SN	Item	Amount (Rs. million per PHSC)	Amount (Rs. Million for 2 PHSCs)
1	Furniture, Beds and other items	1.5	3.0
2	Up-gradation of Pathological laboratory	1.5	3.0
3	Up-gradation of operation theater (labor room)	2.5	5.0
	Total	5.5	11.0

Implementation of local area development plan

SN	Items	Budget (Rs. million)
1	Construction/ Up-gradation schools in Study Area	4.0
2	Improvement of Public Health Facility	11.0
	Total	15.0

Catchment Area Treatment Plan

- É Catchment area Treatment Plan has been prepared using SYI method.
- É Delineation of subwatersheds in the catchment area.
- É Land-use pattern using satellite data, slope map using Survey of India toposheets, etc. has been prepared.
- É Mapping of critically degraded areas based on Integration of Remote Sensing and GIS technique
- É Prioritization of sub watersheds based on Silt Yield Index method.
- É Prepared Catchment Area Treatment (CAT) Plan for sub- watersheds with high erosion intensity.

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MINUTES OF STATE EXPERT APPRAISAL COMMITTEE**143rd MEETING 29th October 2013****Cost for implementing Environmental Management Plan**

SN	Item	Cost (Rs. million)
1.	Compensatory Afforestation and Bio-diversity conservation	51.09
2.	Fisheries Management	49.40
3.	Environmental Management in labour camp	50.45
4.	Public health delivery system	32.10
5.	Restoration and Landscaping of construction sites	19.10
6.	Greenbelt development	1.50
7.	Air and Water Pollution Control Measures	4.70
8.	Energy Conservation measures	5.00
9.	Public Awareness Programmes	5.00
10.	Resettlement and Rehabilitation Plan	1168.16
11.	Local Area Development Plan	15.00
12.	Catchment Area Treatment Plan	257.38
13.	Disaster Management Plan	15.00
14.	Environmental Monitoring during construction phase	7.52
15.	Purchase of noise meter	0.15
16.	Purchase of meteorological instruments	0.70
	Total	1682.25

Key issues raised in public hearing

Issues raised in brief	Comments of the applicants
Participants said that the Dam should come up, as the facilities will improve due to the dam.	Project proponent welcomed the observations of the participants
One of the participant requested that if we are displaced, then all facilities of a proper village should be provided to us.	Assured that necessary measures in terms of R & R and local area development shall be adhered to before the construction of the project.
One of the participant objected about the figure of 48 Project Affected Families (PAFs) losing houses. Stated that it should be more than 48 and requested that the Dam should not be constructed.	Clarified that the data of 48 affected houses was taken from the earlier records. The correct figures have been used in the CEIA Report
One of the participant said that 116 families shall face inconvenience due to the dam.	Assured that all necessary measures in terms of R & R and local area development along with environmental management measures shall be adhered to before the construction of the project.
Farmers also demanded compensation should be given for the wells.	Compensation of wells, trees etc. shall be given as per govt. policy.
Some of the participant said that they already have facility for water, wells and have good agricultural lands and were not in favor of Dam	Project proponent told that the final decision about the project rests with the government after considering all pros and cons.
One participant said that we are small farmers with good fertile agricultural lands. We have privately dug wells and put up trees. We are not satisfied and don't want dam.	The final decision about the project rests with the government after considering all pros and cons.
Participants were worried and said that what will they do after their village is submerged and opposed	Project proponent told that the final decision about the project rests with the government

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dam.	after considering all pros and cons.
Residents of Didaul village said that there shall be inconvenience to 196 families due to the dam as presently we have food, water and good environment in our village. They requested that dam should not be taken up.	The final decision about the project rests with the government after considering all pros and cons.
Some of the participants said that there will be lot of damage due to the dam. We have good agriculture land, wood, firewood, water facility, grazing lands for our livestock etc. They were wondering, whether they will get good facility after the dam is taken up.	Project proponent assured that necessary measures in terms of R & R and local area development shall be adhered to before the construction of the project. The final decision about the project rests with the government after considering all pros and cons.
One person said that due to the dam thousands of people will be without houses, such type of fertile lands cannot be found anywhere else. People may resort to suicides.	Project proponent told that necessary measures in terms of R & R and local area development along with environmental management measures shall be adhered to before the construction of the project. The final decision about the project rests with the government after considering all pros and cons.
Villagers said that they have grown trees here & private wells. Therefore dam should not be constructed.	The final decision about the project rests with the government after considering all pros and cons.
Land for Land to be given	Compensation will be given as per guideline of Govt. Land for land will be appraised to govt. & order of Govt. will be accepted.
Participant demanded the compensation in lieu of temple being submerged	New temple shall be constructed, if needed at mutually agreed place in consultation with the locals and revenue authorities.
One participant demanded that Dam height may be reduced by 3m so as to reduce the submergence.	The decision to reduce dam height rests with the state govt. The facilities to Adivasis shall be extended as per the govt.norms
Trees to be taken care, proper survey to be conducted, environment to be protected in small ponds.	Proper survey shall be taken up along/ with the revenue authorities, Protection of environment shall be done by implementing Environmental Management Plan suggested in the EIA report.
The affected families may be provided with land, houses school, hospital ,employment etc.	All infrastructural facilities are to be given as per the R & R policy. Preference to employment as per suitability and availability of post.. District Collector is the authority for disbursement of land
Compensation for wells, trees etc., and Land for Land and properly resettled and rehabilitated was demanded	Compensation of wells, trees etc. shall be given as per govt. policy. Compensation will be given as per guideline of Govt. Land for land will be appraised to govt. & order of Govt. will be accepted. Resettlement and Rehabili/tation shall be done as per the R &

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	R policy.
Land in lieu of trees was also demanded by one participant	Compensation of trees shall be given as per govt. policy
Trees to be taken care, proper survey to be conducted, environment to be protected in small ponds.	Proper survey shall be taken up along with the revenue authorities, Protection of environment shall be done by implementing Environmental Management Plan suggested in the EIA report.

The EIA, EMP and other plans submitted and presented by the Pp were found to be satisfactory and acceptable nevertheless following observations and queries were made by the committee during the presentation:

- A budget of Rs 115 Crores has been allocated for R&R Plan which appears to be on higher side as compared to the overall project cost. Hence PP was asked to review the viability of the project in terms of benefits from the project vis-à-vis costs to be borne for rectification of adverse impacts and present the same.
- First stage FC is to be submitted.
- The area is reported under study of GSI for exploration of valuable metals; hence it is suggested to obtain NOC from GSI before commencement of activity.

7. Case No. – 1185/2013 – M/s Volcano Enterprises Pvt. Ltd., Block 12, 1st Floor, Lahar Mansion, Opp. KEM Hospital, Dr. E. Borges Road, Parel, Mumbai (M.S.)- 400 055 ToR Renewal of Mining Lease Shahpur Marble Mine M/s Volcana Enterprises Pvt. Ltd. Lease Area – 0.38 Ha. . at Khasra No. – 2, 4 & 6, Village – Shahpur, Tehsil – Murwara, Distt. – Katni (M.P.) Capacity: Marbles – 7,000 MT/Year (Approx) & Lumps – 8,500 MT/Year (Approx), Lease Period - 10 Year.

This is a case of mining of Marble. Which falls in the list of minor minerals as per the Schedule of MMR of M.P. In light of EIA Notification as amended vide notification dated 09/09/2013, the project has to be considered by the MPSEIAA. It was observed by the committee that still no revised guidelines have been finalized by MPSEIAA for appraisal of such cases. However, in view of prevailing guidelines of SEIAA it was decided to issue standard TOR for the project to carry out EIA and prepare EMP for the project.

8. Case No. - 1665/2013 M/s Vidhi Alloys Pvt. Ltd., Flat No.- 2, Bhaktiyog Apartments, Nargundkar, Layout, LIC Colony, Kahamla Road, Nagpur (M.S.) 440015 Vidhi Alloys Pvt. Ltd., Katanghari Manganese Ore Mine, Khasra No. 982, 984/2, 985 at Village – Katanghari, Tehsil – Lalburra, Distt. – Balaghat (M.P.) Lease area – 6.229 ha., Product Manganese Ore, Proposed Capacity – 5000 MTPA, Env. Consultant : Not disclosed. ToR

This is a mining project comprising mining of Manganese Ore in an area of 6.229 Ha. The project is covered under EIA Notification and mentioned at SN 1(a) of the Schedule under category B. Hence requires prior EC from the SEIAA before commencement of the proposed activity. The application was forwarded by SEIAA to SECA for scoping so as to determine TOR for the project to carry out EIA and prepare EMP. PP presented the salient features of the project which reveals following:

Location

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É Site	:	Village Katanghari
É Tehsil	:	Lalburra
É District	:	Balaghat
É Location	:	Toposheet No. 55 O/13
É Khasra No	:	982, 984/2, 985
É Latitude	:	21 ^o 49 ^o 45 ^o North
É Longitude	:	79 ^o 58 ^o 15 ^o East
É Road Connectivity	:	Katangi ó Waraseoni Road 1.4 km

Environmental setting of project

SN	Particulars	Details
1	Nearest town	Katangi - 16 km from Mine
2	Nearest Railway Station	Katani - 16 km from lease area.
3	Nearest Airport	Nagpur located about 182 km from the mines by road
4	Nearest Highway	Katangi ó Waraseoni road is 1.4 km
5	Nearest Village	Katanghari at 1.2 km
6	Nearest River /Nallah	Katanghari tank is 3.6 km from Mine Site.
7	Topography	gentle Slope
8	Ecological Sensitive Zone	Non within 10 km radius
9	Interstate Border	(M.H.) 36 km form mine site

Details of mining lease area

SN	Particulars	Details
1.	Type of mine	Open cast
2.	Mining Lease Area	6.229 ha
3	Area to be covered under /mineral stack proposed	Nil
4.	Proposed plantation	2.05 ha
5.	Total Reserve	83384 MT
6.	Road and building	0.15 ha
7.	Ultimate depth of Mining	15 m
8.	Area covered by mine waste dumps	Nil
9.	Area to be reclaimed	1.39 ha
10.	Ultimate size of pit	390m x (150-130) x34 m
11.	Ultimate Pit slope	45 ^o
12.	Proposed capacity of mines	5000 tons per annum

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13.	Existing mode to transportation of ore	By Road
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Year wise disposal of mine waste

Year	Excavation of Lateritic soil in m ³	Excavation of Waste material in m ³
First	176	192
Second	32	288
Third	32	358
Fourth	64	593
Fifth	80	718
Total	384	2,149

Mining method

Mining Method	All mining operations like removal of soil and OB and dumping, excavation, sizing, loading sorting & hauling shall be manual. Occasionally, drilling & blasting will also be carried out, by engaging private licensed contractors.
Drilling Operation	Depth of drill hole ó 1.2 m ; diameter of blast hole ó 34 mm; spacing between two holes ó 0.90m
Blasting operation	Blasting is only required for production of Mn Ore. Removal of waste material blasting is not required as the waste comprises of soil and phyllite rock, which are soft in nature.
Explosive to be used	Gelatin with detonators. 500 gms per hole.
Disposal of Mine Waste	Dumped and used for reclamation after exploration.

Water requirement

SN	Head	Quantity
1.	Dust suppression	3.0 kld
2.	Green belt	1.5 kld
3.	Domestic	1.5 kld
	Total	6.0 kld

Air pollution control measures

Source	Control Measures
Truck Movement	No Over Loading. Truck shall be covered with tarpaulin while transporting ore, Enforcing speed limit. Regular Monitoring of the Exhausts Proper maintenance of trucks

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Waste Dumps	Dumps will be adequately slopped. The non active sides of the dumps will be vegetated with fast growing grasses.
Haul Road	Regular Water sprinkling by tanker mounted truck
Mine working areas	Regular water spraying in the working area. Green belt surrounding to the lease area. Wet drilling or dust extractors to be provided. Personnel protective equipment like dust mask, ear muffs/plugs and goggles will be provided to workers.

Water pollution control measures

- ❖ There is accumulation of rain water in the existing pits, increases in prolonged rains hours, accumulated water shall be pumped out, and used for dust suppression and shall be given to nearby farmers for irrigation purpose.
- ❖ To prevent the soil from wash off, protective trenches , 2m deep and 2m wide shall be formed around the bottom of the of OB dumps.
- ❖ Settling pit and drains are being cleaned properly to prevent the siltation.
- ❖ There is no surface stream in the core zone.
- ❖ The depth of the mine shall be max. 20m and the ground water table is 25m-30m therefore the mining will not intersect the ground water.

Budget for Environmental Protection

SN	Particular	Capital cost (Rs.)	Recurring cost (Rs)
1.	Dust suppression	1,00,000.00	25,000.00
2	Environmental monitoring		50,000.00
3	Training		10,000.00
4	Green belt development	60,000.00	30,000.00
5	Dump rehabilitation		28,000.00
6	Back filling		20,000.00
7	Medical aids as per norms	40,000.00	20,000.00
8	Others	10,000.00	10,000.00
	Total	2,10,000.00	1,93,000.00

After deliberations committee has approved the proposed TOR for the project with inclusion of following additional points to prepare EIA / EMP:

1. NOC from gram Sabha has to be obtained mentioning all the issues such as use of water and other resources from the nearby villages and grazing land for the cattle.
2. The stripping ratio is reported to be 1:6 thus huge quantity of waste is expected from the mining; hence OB management has to be detailed out as a separate chapter.
3. Approved Mining Plan has to be submitted.

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4. Mine Closure plan complying the conditions of Mining Plan to be detailed out.
5. Other standard TOR shall be applicable.

9. Case No. – 1728/2013 Mr. D. S. Chaturvedi, Managing Director, M.P. Audyogik Vikas Nigam (Ujjain) Ltd.(MP AKVN) Nana Kheda Bus Stand Campus , Indore Road - Ujjain - (M.P) - 456010 - Vikram Udyogpuri, Ujjain under Delhi-Mumbai Industrial Corridor Development Corporation Limited (DMICDC) at Village- Narwar, Karchha, Munjakhedi, Gawdi, Piplodhwar, Dawrkadhish, Madhupur Tehsil & District – Ujjain (M.P.), **Built up Area – 4105941 m² , Total Area to be Developed Approximately – 443.79 Ha , Env. Consultant : TATA Consulting Engineers Ltd. , Mumbai (M.S.)**

The project pertains to development of Industrial Corridor covered under category B mentioned at SN 7(c) of the schedule of EIA Notification. Hence requires prior EC from SEIAA before commencement of activity. PP and his consultant presented the case before the committee. It was reported that the project comprises of industries such as auto component, IT/ ITES and Logistics along with public and semi public use viz Institutional Hub. Other land uses are residential, commercial and other supporting infrastructure. Other salient features of the project are as follows:

Background

- “ Delhi-Mumbai Industrial Corridor (DMIC) is being developed by the GoI as a global manufacturing and investment destination
- “ Development of Vikram Udyogpuri is one of the **Early Bird Projects** for the Pithampur-Dhar-Mhow Investment Region in the State of Madhya Pradesh.
- “ The site for Vikram Udyogpuri is located about 8km from Ujjain and 12km from Dewas (Arial Distance)
- “ The land required for the project is approximately 443.79Ha and is already in possession of MPAKVN.
- “ Development of the Vikram Udyogpuri to help create a skilled workforce, essential for the industrial & commercial development envisaged in the DMIC region
- “ Master planning has been carried out to ensure a sustainable environment with the highest standard of live-work-play-learn (work-life balance).

Introduction

- The Government of India is developing the Delhi-Mumbai Industrial Corridor (DMIC) as a global manufacturing and investment destination.
- A Special Purpose Vehicle (SPV) named the Delhi-Mumbai Industrial Corridor Development Corporation (DMICDC) has been incorporated.
- The objective of the project is Enhancing employment, industrial output and exports from the region, with sectoral objectives of providing quality industrial investments and world-class infrastructure facilities.
- DMICDC has planned to establish a greenfield infrastructure project titled “Vikram Udyogpuri” which will have manufacturing product mix (non polluting industries) along with institutional (Public and Semi Public Land use) and supported by residential and commercial activities.
- Madhya Pradesh (MP) Trade Investment and Facilitation Corporation (MPTRIFAC) and Audyogik Kendra Vikas Nigam (MPAKVN), Ujjain are the Project Proponents

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- The land required for the project is approximately 443.79Ha and is about 442Ha is already in possession of MPAKVN.
- Proposed project site has adequate water supply of about 11 MLD from River Kshipra and water will be made available under the Narmada Kshipra Link Scheme
- The 11 MLD water is sanctioned by NVDA
- The construction power requirement would be about 5 MVA which will be taken from Ujjain substation.
- The ultimate power requirement would be about 84 MVA which will be sourced from Dewas substation.

Three alternative sites were studied namely:

- **Site-1 :- Nazarpur**
- **Site -2 :- Tazpur**
- **Site -3 :- Narwar**

Advantages of Site Selected

The main advantages of the proposed site at Narwar are :

- Required land is available at the project site and is owned by MPAKVN, Ujjain hence no requirement of Rehabilitation and Resettlement (R&R).
- The site is easily accessible from State Highway-18 at two ends-Western entrance to the Vikram Udyogpuri from the Karchha station is about 2.2 km. While eastern entrance from Piplodha - Dwarkadhish is about 6.5 km.

Topography and Landform :

- No major constraint exists with regard to slope analysis as all the portions of the site are between 0% to 5% slopes. From the point of view of visibility of project from Dewas road, southern face of the site is more suitable for locating important built-form.
- Govt. owned land is available with minimum acquisition of privately owned land
- The site is characterized by infertile stony soil with thorny scrub vegetation such as babul and acacia.

Drainage and Rainwater Harvesting:

- Terrain has gently sloping patterns with three major valleys.
- Occurrence of natural water discharge channels in the form of gullies which meet into small reservoirs located across various sections along the ridges.

Project details

Site location: Narwar, Karchha, Munjakhedi, Gawdi, Piplodhwar Dawrkadhish, Madhopur

Co-ordinates : As per slide titled “ **Geographical co-ordinates - project site**”

Accessibility : Nearest Town ó Ujjain ó 8 km.

: Nearest Railway stationsó Karchcha and Madhopur: about 1km

: Nearest Airport ó Indore ó 42.84 km

Built –up area : 41,05,941 m²

Water requirement : 11 MLD

Power requirement : Construction phase : 5 MVA.

Ultimate : 84 MVA

Project Cost : Approximate Rs. 808.6 crores

Type of Development in the project :

- a) Manufacturing viz., Auto component, IT/ ITES and Logistics

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- b) Public and Semi Public Use viz., Institutional Hub.
- c) Residential
- d) Commercial
- e) VU facilities/ utilities viz., Recreational/ Sports and Open space/ Green Buffer
- f) Transportation and Communication
- g) Truck/ Tempo/ Taxi/ Parking Bay

Landuse Distribution

Type of land use	Proposed area (acre)	Land use %	Major components*
Industrial (Manufacturing)	448	40.9%	Auto Component Manufacturing, Information Technology and Engineering Services
Public and Semi-Public (PSP)	160.59	14.6%	Engineering Hub, Medical Hub, Industrial Training Institutes Hub, 'Utility' Buildings
Recreational	171.91	15.7%	City Green, Recreational Clubs, Open Space etc.
Residential	164	15.0%	HIG, MIG and LIG Housing etc.
Commercial	32.02	2.9%	Retail Space, City Centre etc.
Transportation and Communication	120.11	11.0%	Internal Roads, Bus Stands etc.
Total Area in Acres	1096.63	100%	
Total Area Available for Allocation	768.00	70%	This includes Industrial ,Institutional (PSP excluding utilities), Residential, Commercial use

Environmental Setting

SN	Particulars	Distance (Aerial) from the project site (kms)
1.	Nearest Highway	Proposed site is about 1.88 km from SH-18 from the western boundary of the project site.
2.	Nearest Railway station	Karchcha and Madhopur railway station are about 1km from the project boundaries.
3.	Nearest Air Port	Indore airport approx 42.84 kms from the western boundary of the project site.
4.	Protected Forest/ Reserve Forest	None
5.	Archaeological Monuments	None
6.	Water bodies (River/ Lake)	Kshipra river 5 kms from the western boundary of the project site
7.	Defence Installations	None
8.	Seismic Zone	III
9.	Nearest National Park	None within 25km radius of the project
10.	Nearest Wildlife Sanctuary	None within 25km radius of the project

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Topography of the site

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- The site has several mounds and equally comparable number of shallow valleys which drain south-westwards ultimately to River Kshipra.
 - A small portion of the topography terminates to shallow flat land forming small lakes and ponds .
 - Natural contours have been disturbed due to man-made quarries.
 - The proposed project area has rocky terrain with varying slope up to 5%.
 - Out of about 443.79Ha (1096.63 acre) land, about 85% land parcel is barren and rest is sparse vegetation with scrubs and acacia plants.
 - The entire area of VU has infertile stony soil, therefore remains a barren patch of land.
- Transportation network
Transportation network consists of the following elements :--
- a) Arterial road (Main Trunk Road)
 - " Designed to serve as entrance to township for large-scale traffic volume.
 - " Will have a 45m ROW with three lanes in each carriageway along with 2m wide road side landscape median.
 - " 5m wide two lanes service roads are proposed on both sides of the arterial roads.
 - " Sidewalk/ footpath of 3.5m and 2.5m wide are proposed on both sides of the service roads for the movement of pedestrians
 - " In principle, entries to the land parcels along this trunk road will be through 5m wide service road.
 - b) Primary roads
 - " Designed for medium-scale traffic volumes within the development connecting sector-neighborhood.
 - " Primary roads are also a link to the Arterial Road and Secondary Roads.
 - " Proposed to have a 30m ROW and will consist of two lanes in each carriageway divided with 2m wide landscape median.
 - " These roads will have, 6.5m wide space on either side of road with provisions for footpath and cycle track.
 - " Secondary road
 - " Proposed to have a 24m and 18m ROW with 2 lane roads with two way movement of traffic
 - " The road side landscape and pedestrian footpath and cycle track will measure 4.5m wide and will be located on both sides of the road.
 - d) Other facilities
 - " Junctions and Intersections
 - " Facilities for Non Motorized Vehicles (NMVs)
 - " Planning for pedestrian facilities
 - " Cycle Tracks
 - " Parking facilities
 - " Bus Terminal
 - " Traffic Management System
 - " Commercial Vehicle Parking
 - " Storm water network system
 - a) Introduction
 - " Storm water drains planned along the roads.

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- " The nearest River is Shipra River, and the site is connected to Shipra River by Narwar Nala. (about 9 Kms south west of the site)
- " The site contours are above the High Flood Level (HFL).
- " Existing site contours are sloping from natural ridges towards south west, down towards Narwar Nala in the south-west.
- b) Natural Storm Water Drainage
- " Management of storm water within the site is planned as far as possible along the natural topography pattern.
- " Minimal changes in the natural drainage are proposed such that number of culverts across the arterial road is minimized and depths of outfalls are feasible for gravity flow.
- Water supply system
- a) Intake and Pump House
- " Intake of about 11 MLD* is planned near Kshipra river.
**(Total water demand is about 14 MLD. Balance of about 3MLD will be catered from recycled water)*
- " Designed for 22 hours working/ day to keep a margin of 2 hours for power breakdown and preventive/ breakdown maintenance.
- " Necessary power supply arrangement will be made for pump house.
- " Automation will be provided for pump operation.
- b) Raw water transmission
- " Raw water transmission main of about 7-8km length will convey water from intake to first unit of water treatment plant.
- " Diameter of the transmission main : 400 mm
- " Necessary valves and fittings will be provided.
- " Surge analysis is carried out for the transmission main which reveals that air vessel is required to be provided near the pump house on transmission main.
- Water treatment plant
- " Water treatment plant is proposed of 10 MLD capacities with 22 hours working per day which is to be constructed in two modules of 5 MLD each.
- " The quality of treated water shall be as per CPHEEO norms.
- " The automation will be provided for operation of Water treatment Plant.
- " The area required for WTP is @ 1.5 acre inclusive of clear water pump house and ESR for Zone - 3.
- d) Clear water reservoir and pump house
- " After the treatment, water will be stored in clear water reservoir with four hours detention time.
- " The pump house will be located adjacent to this reservoir.
- " The pumping will be considered with 22 hours working per day.
- " Separate clear water transmission main will be provided to convey the treated water to ESR 1 and for ESR 2 and 3.
- e) Transmission and Distribution system
- " Three elevated service reservoirs of Intz type are provided, one for each zone for equitable distribution of water in individual zone.
- Sewerage/ Wastewater network system
- Planned considering the existing topography and phase wise development
- Consists of the following elements:

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a) Wastewater collection system:

- " Three zones are proposed considering the topography and location.
- " The collection system will be provided for each zone which will convey wastewater to treatment plant located in respective zone through intermediate pumping station(s) as per the site condition.

b) Wastewater pumping system :

- " About five intermediate wastewater pumping stations proposed.
- " Submersible non-clog pumps will be provided with automatic operation based on level sensors.
- " Necessary approach road, compound wall, gate and power supply arrangement will be provided for each pumping station.
- " The intermediate pumping station will require area of about 200 Sq-m each and will be suitably located in public utility/ green areas.

Wastewater treatment plant :

- " Technology provided will be Sequencing Batch Reactor (SBR)
- " The separate Wastewater Treatment Plants (total 3 nos.) are considered for each zone .
- " At each zone the plant will be of 3 to 4 MLD capacity and will be constructed in two modules.
- " The treated wastewater will be of required standard for recycling suitable for flushing, horticulture etc.
- " Area requirement is about 1.5 acre at each site.

d) Recycling of waste water

- " Distributed in each individual zone by pumping and no ESR will be considered for the system.
- " Pumping hours will be 8 -12 hours per day.
- " By recycling treated wastewater fresh water requirement will be reduced by about 4 MLD which will help in conservation of precious water.

Solid Waste Management (SWM) system

Quantitative estimation of solid waste generated (Domestic)

SN	Source of Waste Generation	Population/ Area	Solid waste generation in Kg/day
1	Residential	55510	27755
2	Floating	20220	4044
3	Roads	75730	7573
4	Garden	164 Acre	2456
5	Hospital	500 bed	500*
Total			41,828

Solid waste categorization

S. N.	Type of waste	Quantity in ton/ day
1	Biodegradable	20.92
2	Recyclable	12.55
3	Inert/ Miscellaneous	8.37

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Total Solid waste	41.83
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Project details

Sr. No	Land use	Area (Acre)	FAR	Built –up (sq.m)
1.	Residential	164.07	1.25	8,29,953
2.	Commercial	32.02	3	3,88,738
3.	Manufacturing	448		
3.1	Auto Component	410	1	16,59,198
3.2	IT/ ITES	20	3	2,42,810
3.3	Logistics	18	1	72,843
4	Public and Semi ó Public Land use	160.59		
4.1	Institutional Hub	110.0	1.5	667726
5	UKC Utilities / Facilities	50.6	1	204769
5.1	Recreational /Sports etc.	17.2	0.5	34803
5.2	Open Space / Green Buffer etc.	154.71	0	0
6	Transport and Communication	120.11	0	0
6.1	Truck / Tempo/ Taxi / Parking Bay	6.74	0.2	5455
Total Built-up (BU) Area (sq.m)				41,05,941

After deliberations committee has recommended following additional TOR for the project to carry out EIA and prepare EMP:

1. Total water requirement for the complete project has to be evaluated and presented with source and commitment / permissions from the concerned Authorities.
2. A site selection criterion from among the various identified sites has to be elaborated.
3. Area statement with break-up to be furnished.
4. Considering all the proposed activities in the planning area a Zoning has to be done and presented on the site lay-out.
5. Compatibility of various proposed sectors amongst themselves has to be justified considering the meteorology and micro-climatic conditions of the region.
6. Public Hearing has to be conducted as per the provisions of EIA Notification.

10. Case No. – 1729/2013 Mr. Kumar Purushottam, Chief Executive Officer, Pragati Bhawan, Press Complex, M.P. Nagar, Zone- I, Bhopal - (M.P) - 462001 **Building Construction.** *Mahalaxmi Awasiya Parisar, at Near Pull Bogda, Barkhedi, District – Bhopal (M.P.), Total Land Area – 30311.10 Sqm , Building Area – 56832.10 Sqm, No. of floors – basement + ground + ten. Env. Consultant : Not disclosed.*

Neither the Project Proponent nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the

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deliberation. Hence Committee decided to consider the case in the coming meetings of November 2013.

- 11. Case No. - 718/2012 Smt. Radha Devi Sharma C/o Shankarlal Viswakarma (Power of Attorney), Jalpasevi ward, Gautam Mohalla, Distt. – Katni (M.P.) 483501 EIA Presentations.** *Expansion of Tikariya Bauxite & white Clay Mine, Khasra No. 2/1K, 2/2, 2/3KH, 2/5, 18/5, Village- Tikariya, Tehsil – Murwara, Distt. – Katni (M.P.) Lease Area- 16.187 ha. Proposed Capacity – 50,000 Ton/Year (Existing Capa. – 5,000Ton/Year).Creative Enviro Services Bpl. (M.P.)ToR issued vide letter no . 562 dt. 17/09/12*

This is an existing mine and proposes to enhance production capacity from 5000 TPA to 50000 TPA. The EIA was forwarded by SEIAA to SEAC for technical appraisal and necessary recommendations. Case was presented by the PP and his consultant before the committee, which reveals following salient features of the project:

Village	Tikariya
Tehsil	Murwara
District	Katni
Area	16.187 ha
Land status	Waste land
Existing / Proposed capacity	Existing : 5,000 MTPA, Proposed: 50,000 MTPA
Minerals	Bauxite & White clay
Nature of Mine	Open cast manual mine
Type of land	Waste Land
Topography	Highest MSL 412 m, Lowest MSL 390 m
Present depth of Mining	15 m
Ultimate depth of Mining	18 m
Water Table	20 m BGL
Thickness of top Soil	Min. - 0.5m, max. -1.2m,
Thickness of Overburden	0.5m
Available reserves	White Clay ó 1505538 MT Bauxite ó 721526 Total ó 2227064
Stripping Ratio	1:0.018
Life of mine 50,000 MT PA	44.5 say 45 years

Project details:

District/State	Taluka	Village	Khasara No.	Area (Ha)
Katni (MP)	Murwara	Tikariya	2/1K, 2/2, 2/3KH, 2/5, 18/5	16.187

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		Total	16.187
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Existing Land use of ML

1.	Total lease area	16.187 ha
2.	Area already excavated	4.50 ha
3.	Area covered by the existing dumps	1.42 ha
4.	Area covered by mine road	0.182 ha
5.	Area covered by existing plantation	2.4 ha
6.	Area to be covered by proposed mining	0.353 ha
7.	Area to be covered by plantation during lease period.	5.34 ha
8.	Area to be reclaimed next five years	0.0294 ha

Location of the mine

Geographical location	23 ^o 48'42" to 23 ^o 48'57" N and 80 ^o 23'07" to 80 ^o 23'19" E
Nearest City	Katni
Nearest Highway	(NH-7) 2.8 km
Nearest Village	Tikariya 1.0 km
Nearest Railway Station	Madhav Nagar 1.3 km
Nearest Airport	Jabalpur 92.0 km
National Park/ Heritage site	None in 10 km radius
Ecological Sensitive Zone	None in 10 km radius
Reserve Forest	None in 10 km radius
Other mines	Two other mines are adjacent to this mine.
Features within 2 km radius	Police Thana, ACE Factory, Rest House, Park, Residential Areas

It was reported by the PP that the proposed mine is located within Municipal Corporation limits. Municipal Corporation has given NOC vide letter No. 341 dtd. 07/04/2012.

Public Hearing

- ❖ Public hearing has been conducted on 21.06.2013, at Mine site & Chaired by ADM, Katni.
- ❖ 109 people have attended the hearing and observed that people of nearby areas are in favour of mining project as they are getting employment some people raised their objection on pollution and revenue matters 52 of them registered their opinion in writing.
- ❖ The issues raised were duly addressed and clarified
- ❖ In general the public opinion was observed to be in favour of the project.

Mining method

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- Existing mining being carried out by open cast manual method using hand tools such as spades, hammer, crowbar chisel etc. from pit floor, minerals is being carried out using tagadi and can basket.
- Transportation of minerals is being done by hired truck/ dumper. Minerals are soft in nature hence use of explosive is not practice.
- The same shall be continue in proposed mining operation.
- Top soil and mine waste generated during the proposed mining will be placed in the form of dump and used for reclamation of old pits.
- As the bauxite and white clay is soft in nature hence need of explosive will not required. Thus proposed mining will be carried out without use of explosive Loading of mineral in to truck/dumpers will be done manually, using can basket etc.

Water requirement for the project:

Dust suppression	6.0 kl
Green Belt	4.0 kl
Domestic	2.0 kl
Total	12.0 kl

Source of water- Mine Pit water and Hand pump

Proposed EMP

Air Pollution Control Measures

Source	Control Measures
Truck Movement	No Over Loading. Truck shall be covered with tarpaulin while transporting ore, Enforcing speed limit. Regular Monitoring of the Exhausts Proper maintenance of trucks
Waste Dumps	Dumps will be adequately slopped. The non active sides of the dumps will be vegetated with fast growing grasses.
Haul Road	Regular Water sprinkling by tanker mounted truck
Mine working areas	Regular water spraying in the working area. Green belt surrounding to the lease area. Personnel protective equipment like dust mask, ear muffs/plugs and goggles will be provided to workers.

Air Environment

Ambient air quality monitoring data reflects that the δPM_{10} is major pollutant of the area and SO_2 , NO_x , CO levels are within the limit. The various activities/factors, which contribute to high SPM level in the area, are:

Mining activity:

- Loading and unloading of excavated material.
- Haulage of material over roads
- About 10 liters of HSD shall be consumed at the project daily, which corresponds to a very less contribution of SO_2 (0.5ug.m³ considering 0.25% mandatory limit of sulphur in HSD

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from March 1999). Insignificant contribution of NO_x from transportation is predicted as there is no other potential source of NO_x generation at the core zone site. Thus, SO₂ and NO_x levels shall remain very less throughout the life of the mine hence has not been considered for predictive modeling.

- Blasting operations are not required, the major part of the dust generated during such operation usually gets settle down near vicinity and thus the effect of such operation will be localized phenomenon.

Fugitive Emission / Vehicular Emissions

During the operations of the mine there will some movement of the vehicles in the lease area, this cause fugitive emission in the lease area. The follow practices shall be adopted to control the fugitive emission:

- É Water sprinkling shall be done by tanker mounted trucks in the lease area. The accumulated rain water in the mine pit shall be used for dust suppression purpose.
- É All the trucks / dumpers will be covered by tarpoline.
- É Speed limit shall be restricted to 10 kmph in the lease area.
- É Proper maintenance of haulage roads which are being used for transportation of material. Utmost care and regular inspection schedule will be made to prevent any fugitive emission of dust during transportation of material from one place to another.

Noise Pollution Control Measures

Following precautionary measures shall be taken to control noise pollution:

- Earmuffs, ear plugs, etc. is being shall be provided to workers where the noise levels exceed 70 dB (A).
- Although the use of machinery in the mine is less, but silencers and enclosures are incorporated for equipments, which emit high noise levels.
- Regular maintenance shall be carried out for equipments and various machinery
- Road side plantation shall be carried out.
- The sufficient green belt proposed to control noise levels. As 500 saplings are proposed to plant every year.

Water Pollution Control Measures

Impact on Drainage Pattern:

There are no water bodies in the mining lease area. There is neither rainwater catchment tank in the vicinity of the mining project nor any river. Hence, impact on the surface water drainage is not envisaged.

Impact on the surface water quality:

No waste water is being generated during the mining operations. The waste water generated due to domestic usages shall be taken to the septic tank attached with soak pit. Garland drains are being provided to all overburden and topsoil dumps.

Impact on ground water quality:

The minerals constitute of inert and chemically non reactive ingredients not contain any toxic chemicals, which can leach down to the water level. Therefore possibility of adverse impact on the ground water is insignificant.

Occupational Health & Safety

- Monitoring the effects of mining activities on safety and health and conducting regular performance reviews through periodical health checkups.
- Provision of all necessary resources for safety and health of employees and contractors engaged in mining.

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- Setting of safety and health objectives based on comprehensive strategic plans and measure performance against these plans.
- Implementing safety and health management system and assessing the effectiveness through periodic audits.
- First aid facility shall be provided at mine site.
- The area shall not be used at all by general public.
- In case of natural hazards such as earthquake we will take assistance from the local competent authority of Govt.

Budget for Environmental Protection

SN	Particular	Capital cost (Rs.)	Recurring cost (Rs)
1.	Dust suppression		65,000.00
2.	Pollution monitoring		1,00,000.00
3.	Training		25,000.00
4.	Green belt development	70,000.00	70,000.00
5.	Dump rehabilitation		10,000.00
6.	Back filling		20,000.00
7.	Medical aids as per norms		20,000.00
8.	Others	1,00,000.00	50,000.00
	Total	1,70,000.00	3,60,000.00

Budget for CSR

S. N	Particulars	Annual Budget
1	Health Check up Camps in nearby areas	20,000/-
2.	Village Road Construction as per demand area	50,000/-
3.	Repairing of School Building in Tikariya Village	20,000/-
4.	Arrangement for Drinking water facility in Tikariya	35,000/-
5.	Free Distribution of School Books for Children	10,000/-
6.	Environmental Day celebration	20,000/-
7.	Others	10,000/-
	Total	1,65,000/-

The site was visited by the sub-committee along with the site visit carried for the case no. 671/2012 and found the site acceptable for the proposed mining activity. After deliberations committee found the submissions made by the PP including the EIA, and EMP satisfactory and acceptable. Hence committee recommends the case for grant of prior EC subject to the following special conditions:

1. All CSR activities shall be need based and will be taken up in coordination with Local Administration.
2. The production shall not exceed 50000 TPA.
3. As proposed only Open cast manual mine shall be allowed and deployment of heavy machines, blasting etc. shall not be allowed.
4. Settlement is reported within 2 Km from the site hence Pp shall take up all safety and preventive measures to avoid any adverse impacts.
5. Thick green belt shall be developed all around the lease area boundary in consultancy with forest department.

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Discussion on Visit Report submitted by the Sub-Committee:

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 was presented by the PP and his consultant in the SEAC meeting dated 11/09/2013. Committee has decided to visit the site during to clarify the facts of PH and to see the over all compliances with respect to environmental issues. The visit was taken by the sub-committee on 24/09/2013. The report was placed before the committee in this meeting. The visit report reveals following:

Shri V.R. Khare, Prof. V. Subramanian, & Shri K.P. Niyati member SEAC visited the site. The Concerning Patwari Shri Amaratlal Yadav & Sarpancha Shri Kodu Singh of the area is also accompanied with subcommittee along with Project Proponent Shri Shakralal Vishwakarma

Observations and comments are as follows:

1. The site is located in an area where several other mines are operational within 5 km radius. There is no habitation before 1.5 km of the subjected mine in any direction. The site is located at 2 km from public road.
2. Sub Committee has also observed that the village road is not passing through the lease area.
3. The mining operation is being carried out in the lease area.
4. The mineral Bauxite, laterite & fireclay is of soft nature hence blasting is not required.
5. The PP has planted approx. 1500 plants in lease area of eucalyptus, teak & sal.
6. No excavation is observed under the High Tension line, the mining is being done 50 away from the High Tension line.
7. PP has shown the certified data of mining for previous years and the mining is done below the consented capacity.
8. No tree cutting is observed in the mine lease area.
9. PP is having three tanker mounted tractors for watering on inside roads.
10. PP has fenced the old pits and inactive pit with wire.
11. Water is being supplied by pumps to nearby agriculture field by PP by own pipelines.
12. Five Nos of dumps are also laying outside lease area on Govt. Land with permission from concerning Deptt.
13. Garland drains are made on the periphery of mine pit as well as bottom of dumps.
14. Rest shelter with amenities like food, drinking water, fans and first aid has been provided at site it self.
15. As per the CSR activity the PP has constructed Community Hall, Temple and Bore well in Takariya Village.
16. The Sarpanch has told that so may social work has been done by PP, and use to donate funds for religious activities. Half yearly health checkup camps is being organised in village Tikariya

The complaints received from third parties in the public hearing on 05/10/2012 hence do not appear to be factually correct.

The presentation and submissions made by the PP reveals following:

[S.C. Jain, Chairman]

[A.P. Srivastava, Member]

[V.Subramanian, Member]

[Ms Mohini Saxena, Member]

[K.P. Nyati, Member]

MINUTES OF STATE EXPERT APPRAISAL COMMITTEE

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Introduction

Tikariya Laterite, Bauxite and Fireclay Mining Project located in village ó Tikariya Tehsil Murwara, District Katni (M.P.) The total lease area is 27.02 Hectare. The lease is sanctioned by Govt. of Madhya Pradesh to Shri Shankarlal Vishwakarma. The area of 27.02 ha has been renewed by Govt. of M. P. for the period of 20 years from 6th March 2003 to 5th March 2023 and an agreement has been made to between Collector of Katni and Shri Shankarlal Vishwakarma.

The area is already accorded Environment Clearance by State Level Environment Impact Assessment Authority vide their letter No: 122/EPCOSEIAA/ 10 Bhopal dtd. 26.05.10 for mining capacity of 1.25 Lacs MTPA for minerals Bauxite, Laterite and Fire Clay. Due to increase in market demand and availability of mineral it is proposed to enhance the exploration capacity of the mineral from 1.25 Lac MTPA per year to 7.0 Lac MTPA per year.

Capacity

- Existing Capacity of Mine ó 1.25 lac TPA for Bauxite, Laterite & Fireclay
- Proposed Capacity of Mine ó 7.0 lac TPA for Bauxite, Laterite & Fireclay
- Available reserve - 8588882 tones
- Life of mine ó 12.5 years.

Process

Mining will be carried out by opencast manual method of mining using hand tools such as chisel, spades, hammer and crow bar etc. As the mineral is soft in nature hence use of blasting is not proposed in the project.

Present Environmental Scenario

Ambient Air Quality Status

PM₁₀ Ranges between - 70.67 to 38.19 micro-grams / NM³

PM_{2.5} Ranges between - 35.28 to 19.64 micro-grams / NM³

NOx Ranges between - 19.5 to 5.97 micro-grams / NM³

SO₂ Ranges between - 16.5 to 7.32 micro-grams / NM³

The values were found to be well with in the prescribed limits.

Existing and Proposed EMP:

Air Environment:

Expected Impact	Impact Zones	Management Plan
PM, Sox, NOx	Within 500m the fugitive dust emission	<ul style="list-style-type: none">• Water sprinkling and proper gradient of mine pits.• Regular Monitoring shall be carried out.• Three layer plantation.• Speed limits for vehicles in mine area.• Compaction of internal roads.

Water Environment:

Expected Impact	Impact Zones	Management Plan
Due to rains	Within lease area and surroundings	Garland drains with settling a pond has been constructed for each dumps.

Land Environment

Expected Impact	Impact Zones	Management Plan
The mine area is	Lease area.	Proper method of mining as per Mining

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hillock and after excavation the area will turn in flat terrain.		Plan. The degraded area will be rehabilitated with thick layer of plantation.
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Noise Environment

Expected Impact	Impact Zones	Management Plan
Sound pollution	Within lease area for short time.	All the machines and vehicles will be equipped with silencer and enclosures. Ear plugs shall be provided to workers.

Taken up Green belt Development:

The lease area is 27.02 ha and plantation shall be carried out in 8.91 ha area.

Budget Allocation for Plantation

A separate budget has been allocated for plantation/ Green belt development Plan.

S. No.	Amount (Rs.)
1 st Year	74,000/-
2 nd Year	74,000/-
3 rd Year	74,000/-
4 th Year	74,000/-
5 th Year	1,16,000/-
Total	4,12,000/-

Water Consumption:

Water consumption for the project is as follows:

Process	Quantity
a) Mine site	
Dust Suppression	8.0 kl
Green Belt	10.0 kl
b) Domestic	
Drinking & Washing	5.0 kl
Total (A+B)	23.0 kl

Source of water:

The source of water is abandoned mine pits for water sprinkling and hand pump water is used for domestic purpose.

CSR Activity and the budget allocation:

S. No.	Particulars	Annual Budget
1	Health Check up Camps in nearby areas	20,000/-
2.	Village Road Construction as per demand from Panchayat	50,000/-
3.	Repairing of School Building in Tikariya Village	20,000/-
4.	Arrangement for Drinking water facility in Tikariya	35,000/-
5.	Free Distribution of School Books for Children	10,000/-
6.	Environmental Day celebration	20,000/-
7.	Others	10,000/-
	Total	1,65,000/-

Public Hearing:

The public hearing has been done on 05/10/2012 at mine site and chaired by ADM, Katni. 62 people from nearby areas have attended the hearing. 25 people have registered their opinion in writing.

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The compliance report submitted by the PP for the EC conditions was examined vis-à-vis ground facts and was found to be acceptable. After deliberations and scrutiny of the case committee found the EIA & EMP and other submissions satisfactory and acceptable. The sub-committee also recommended the case for consideration. Hence, based on above the committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. The PP shall obtain the validated compliance report from MoEF and shall submit the same to SEIAA. Any suggestions made by the MoEF shall be complied with.
2. CSR activities shall be taken up in coordination with the local administration.
3. Water requirement for the project shall be met from the abandoned mines and the drinking water for the mine-workers shall be purchased from the village authorities.
4. Need based CSR shall be taken up.
5. The OB should be stabilized using local shrubs. Every OB should be provided appropriate garland drains which should be connected to a settling tank.

Discussions on the EIA Notification as amended vide notification

Dated 09/09/2013:

As per EIA Notification -2006 as amended vide notification dated 09/09/2013, only minor mineral mining projects with lease area of less than 5.0 hectare require prior EC hence the following mining projects comprising mining lease area less than 5 hectare do not attract the provisions of EIA notification, thus committee decided to return these projects to SEIAA for further necessary action:

1. **Case No. - 1324/2013** Shri Milan Kumar Maheswari, 279, MG Road ó Alirajpur, Distt. ó Alirajpur (M.P.) 457887- Kund Dolomite Mine (New) at Khasra No. ó 611, Village ó Kund, Tehsil ó Alirajpur, Distt. ó Alirajpur (M.P.) Lease Area ó 4.00Ha.. Capacity ó 10,000 MTPA, Lease Period- 30 Year. Env. Consultant: Creative Enviro Services Bpl. (M.P.)
2. **Case No. – 1722/2013** Smt. Sashi Sondhiya W/o Shri Prakash Sondhiya R/o Sondhiya Gali, Nai Basti, Katni, Distt.- Katni (M.P.) ó 483501 Dhaura Laterite and Fire Clay Mine at Khasra No.- 444/1, Village- Dhaura, Tehsil- Bijeraghogharh, Distt. ó Katni (M.P.) Capacity- 20000TPA, Lease Area - 4.20 Ha., Env. Consultant : Not disclosed.
3. **Case No. - 1720/2013** Shri Ramesh Joshi S/o Shri Ratanlal Joshi, Partner M/s Natural Resources (India) Pvt. Ltd., 39, Kali Krishna Tagore Street, Room No. ó 510, Kolkata - 700007 Bahiyatukur Manganese Mining Quarry, Lease Area - 27.02 Ha., at Khasra no. -22/6k, 36/1, 2, 22/7gha, 33/1k, 32/2, 35/1, 45/1, 45/1, 45/3, 45/2k, 45/2kha, 32/2k, 32/2gha, 32/2kha, 44/2, 44/3, , Village ó Bahiya Tikur, Tehsil ó Lalbarra, Distt. ó Balaghat (M.P.) Proposed Capacity ó 2996TPA.(Existing Capacity ó 885 TPA), Lease Area - 4.579 Ha., .
4. **Case No. – 1725/2013** Shri Dinesh S/o Shri Devendra Lal Agrawal, Vijay Nagar, Balaghat Road, Gondia (M.S.) ó 441601 Sonogaon Manganese Ore Mine at Khasra No. ó 274, Village - Sonogaon, Tehsil ó Tirodi, Distt- Balaghat (M.P.) Lease Area ó 4.998 ha. Capacity ó 12495 TPA.

Discussions of Query Responses and other issues:

1. **Case No. 852/2012** (123rd SEAC dated 12/03/13) Smt. Roli Gupta W/o Shri Pankaj Gupta, Ganga Ashram, Sehore, Distt. – Sehore (M.P.) – 466001- Stone/

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Boulder Quarry at Khasra No. - 1013, Village- Sehore, Tehsil – Sehore, Distt. – Sehore (M.P.) Lease Area – 02.00 ha. Capacity – 5000 Cu. M. Per Annum. Case was discussed 108th SEAC dt. 05/11/12

This is a case of mining of stone. The proposed site is located at *at Khasra No. - 1013, Village- Sehore, Tehsil – Sehore, Distt. – Sehore (M.P.) in 2.0 Ha*. The project requires prior EC before commencement of any activity at site. It was submitted by the PP that after the Project is completed the proposed land will be converted into pond which will be used for irrigation purpose.

The case was discussed in the 108th SEAC meeting dated 05/11/2012. It was also observed that the complete information in the annexure 1 and 2 as prescribed by the SEIAA has not been submitted by the PP. Thus, Committee asked the PP to submit the desired information duly validated by the concerned authorities along with the EMS in the prescribed format to SEIAA with a copy to SEAC. The requisite information has been submitted by the PP and the same was placed before the committee. It is reported in the report from Tehsildar that no habitation occurs within 500 meters from the boundary of lease area. Based on the submissions made by the PP the case was recommended 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 final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.
3. PP shall be responsible for any 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 to *12500 m³/Year and the average depth of the pits shall not exceed 7.00m 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. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

2. Case No. 856/2012 (123rd SEAC dated 12/03/13) **Shri Dharmendra Nagar S/o Shri Chandra Singh Nagar Indore Naka, Ichhawar Road – Sehore, Distt. – Sehore (M.P.) – 466000** - Lease Area 1.821 ha. Stone/Boulder Quarry at Kh. No. 401/1, Village- Rafiqganj, Tehsil – Sehore, Distt. – Sehore (M.P.) Capacity: 15000 m³/year, lease period – 10 Year.

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This is a case of mining of stone. The proposed site is located at *Kh. No. 401/1, Village-Rafiqganj, Tehsil – Sehore, Distt. – Sehore (M.P.) in 1.821 Ha.* The project requires prior EC before commencement of any activity at site. It was submitted by the PP that after the Project is completed the proposed land will be converted into pond which will be used for irrigation purpose. It was reported by the PP that no other mine is operating within 500 meters around the proposed mine.

The case was discussed in the 123rd SEAC meeting dated 12/03/2013. PP requested to hold the project as revised application with revised production rate has been submitted to SEIAA also it was observed that the complete information in the annexure 1 and 2 as prescribed by the SEIAA has not been submitted by the PP. Thus, Committee asked the PP to submit the desired information duly validated by the concerned authorities along with the EMS in the prescribed format to SEIAA with a copy to SEAC. Revised application and the requisite information have been submitted by the PP and the same was placed before the committee. Based on the submissions made by the PP the case was recommended 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 final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.
3. PP shall be responsible for any 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 to $12500\text{ m}^3/\text{Year}$ and the average depth of the pits shall not exceed 7.00m 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. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat.
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

3. Case No. 862/2012 Shri Hanif Qureshi S/o Hajiusman Qureshi, Old Bus Stand – Ganj, Sehore, Distt. – Sehore (M.P.) – 466001- 02.00 ha. Stone/Boulder Quarry at Khasra No. - 1013, Town Sehore, Tehsil – Sehore, Distt. – Sehore (M.P.) Capacity: 1800 Cu. M, lease period – 10 Year.

This is a case of mining of stone. The proposed site is located at *Khasra No. - 1013, Town Sehore, Tehsil – Sehore, Distt. – Sehore (M.P.) in 2.0 Ha.* The project requires prior EC before commencement of any activity at site. It was submitted by the PP that after the

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Project is completed the proposed land will be converted into pond which will be used for irrigation purpose. It is reported in the report from Tehsildar that no habitation occurs within 500 meters from the boundary of lease area. It was reported by the PP that no other mine is operating within 500 meters around the proposed mine.

The case was discussed in the 123rd SEAC meeting dated 12/03/2013. PP requested to hold the project as revised application with revised production rate has been submitted to SEIAA also it was observed that the complete information in the annexure 1 and 2 as prescribed by the SEIAA has not been submitted by the PP. Thus, Committee asked the PP to submit the desired information duly validated by the concerned authorities along with the EMS in the prescribed format to SEIAA with a copy to SEAC. Revised application and the requisite information have been submitted by the PP and the same was placed before the committee. Based on the submissions made by the PP the case was recommended 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 final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.
3. PP shall be responsible for any 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 to *12500 m³/Year and the average depth of the pits shall not exceed 7.00m 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. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat.
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

4. Case No. 850/2012 From 123rd SEAC meeting.- **Shri Sunil Ahuja S/o Shri Narayandas Ahuja R/o Galla Mandi Road, Sehore (M.P.) – 466001 - Stone/ Boulder Quarry at Khasra No. - 181/5, Village- Siradi, Tehsil – Ichhawar, Distt. – Sehore (M.P.) Lease Area – 0.667 ha. Capacity – 4000 m³/year.**

This is a case of mining of stone. The proposed site is located at *Khasra No. - 181/5, Village- Siradi, Tehsil – Ichhawar, Distt. – Sehore (M.P.) in 0.667 Ha.* The project requires prior EC before commencement of any activity at site. It was submitted by the PP that after the Project is completed the proposed land will be converted into pond which will be used

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for irrigation purpose. It was reported by the PP that no other mine is operating within 500 meters around the proposed mine.

The case was discussed in the 123rd SEAC meeting dated 12/03/2013. PP requested to hold the project as revised application with revised production rate has been submitted to SEIAA also it was observed that the complete information in the annexure 1 and 2 as prescribed by the SEIAA has not been submitted by the PP. Thus, Committee asked the PP to submit the desired information duly validated by the concerned authorities along with the EMS in the prescribed format to SEIAA with a copy to SEAC. Revised application and the requisite information have been submitted by the PP and the same was placed before the committee. Based on the submissions made by the PP the case was recommended 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 final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.
3. PP shall be responsible for any 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 to $4000\text{ m}^3/\text{Year}$ and the average depth of the pits shall not exceed 7.00m 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. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the -Gram Panchayat
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

5. Case No. 477/2008- - Shri Nimish Arora, Director M/s Aarone Developers Pvt Ltd 6th Floor,Office Tower , Select City Walk A-3, District Centre Saket, New Delhi- 110 017 - " County Walk " Area Development Project at Village- Zalariya, Plot Area 80.811 ha. Distt- Indore. (M.P)

The case was earlier presented before the SEAC in 40th meeting of SEAC dated 25/11/2009, followed by the 44th meeting dated 23/12/2009 and was recommended for grant of prior EC, but the project was not considered further as SEIAA was under re-constitution. Later, SEIAA has directed that the project shall be considered under category B-1 and shall be issued TOR to carry out EIA accordingly, the case was returned to SEAC for issue of TOR. The project was issued TOR based on the field visit

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report of subcommittee of SEAC. The EIA report was forwarded by SEIAA to SEAC for appraisal. Salient features of the report, compliance of TOR and other environmental aspects were presented and discussed in detail. After deliberations PP was asked to submit response to the following queries along with the supporting documents:

- Undertaking for complying with all the conditions imposed by CGWA in the ground & water abstraction permission issued CGWA.
- Furnish the copies of the compliance reports submitted to CGWA.
- Source of the funds that shall be required for execution of proposed EMP including the operation and maintenance of the STP, transportation of the MSW to the landfill site etc.
- The sludge has to be de-watered and disposed off with the MSW; accordingly plan with budgetary provisions has to be submitted.
- Disposal of Bio-medical waste has to be executed through the authorized BMW recyclers. Willingness of the nearest BMW treatment & disposal facility operator in this regard to be submitted.
- Disposal of hazardous waste has to be executed through the authorized BMW recyclers. Willingness of the nearest HW treatment & disposal facility operator in this regard to be submitted.

Satisfactory response to the above queries was submitted by the PP. The EIA 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. Green area shall be developed in at least 30% of the total plot area.
2. PP shall explore the possibility of using solar energy where ever possible.
3. Collection, segregation, storage and transportation of municipal solid waste shall be the responsibility of the developer.
4. Developer of the township shall also ensure smooth & uninterrupted operation and maintenance of STP and treated effluent has to be reused within the premises.
5. Dual pipe line has to be laid down for flushing, horticulture and other recycling points.
6. Total fresh-water requirement shall not exceed 1917 KLD.

6. Case No. 966/2012 *Shri Tarun Ahuja S/o Shri Kewal Krishna Ahuja c- 4 Ratan Nagar Jabalpur (M.P) 482001 Stone Mine – Are 3.49 Ha Capa- 90000 m3 at Khasra No. 87, 88, 89, 102 at Village- Dhadhra Tehsil & Distt. Jabalpur(M.P)*

The case was presented in the 113th SEAC meeting dated 18/12/2012 whereby the salient features of the project were presented by the PP. As per the prevailing policy of SEIAA then the project was treated under B-1 category, accordingly committee decided to issue standard TOR to the project. Later, with change in the SEIAA guidelines the case was assigned B-2 category. PP has submitted the requisite information in the prescribed format-1 along with the EMS. Scrutiny of the documents revealed that this is a stone mining project proposed at Khasra No. 87, 88, 89, 102 at Village- Dhadhra Tehsil & Distt. Jabalpur (M.P) in an area of 3.49 Ha, the proposed production capacity is 90000

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m³ / year. It was reported by the PP that no other mine is operating in 500 meters around the proposed mine. It was reported that the pit left after mining shall be developed into a water body.

The EMS submitted by the PP is satisfactory and acceptable. Information in format-1 duly certified by the Tehsildar & DFO has been submitted by the PP. 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 final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.
3. PP shall be responsible for any 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 to 20000 m³/Year and the average depth of the pits shall not exceed 7.00m 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. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat.
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

7. Case no. 751/2012 (101st meeting of SEAC dated 22/08/2012) **Shri Nishant Sahu, Near Govt. Hospital – Jatara, Teh. – Jatara, Distt. – Tikamgarh (M.P.) 472118** *Bairwar Stone/Boulder Quarry of Shri Dhirendra Naik, at Khasra No.1136, Village – Bairwar, Tehsil - Jatara, Distt. – Tikamgarh (M.P.), Lease Area - 1.0 Ha. Capacity – 50,000 Cubic Meter/Year.*

The case was earlier discussed in the 101st meeting dated 22/08/2012. The case was treated as category B-1 project as per the prevailing guidelines of SEIAA. Later the case was returned by SEIAA for re-consideration on the basis of revised guidelines. PP has submitted the requisite information in the prescribed format after validation from concerned Tehsildar and the DFO. A complaint along with supporting documents has been forwarded by SEIAA. The matter was examined by the committee in the meeting. It was observed by the committee that the application of PP for grant of renewed Lease for mining at Khasra No.1136, Village ó Bairwar, Tehsil - Jatara, Distt. ó Tikamgarh (M.P.) has been rejected by the Mining Officer vide letter dated 19/02/2013. Hence it was decided that the present status of the lease application may be called upon from the

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[K.P. Nyati, Member]

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PP along with the supporting documents in this regard.

PP has submitted the clarification along with the supporting documents. The 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 final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.
3. PP shall be responsible for any 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 to $6500m^3/Year$ and the average depth of the pits shall not exceed 7.00m 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. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat.
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

8. Case No. – 1688/2013 M/s Land mark Developers (Smt. Madhu Agrawal & Smt. Kamlesh Agrawal Land Owners & Partners), Blooms Academy Campus, Panna Road, Satna (M.P.) – 485001 "CAPETOWN HEIGHTS " of M/s Land Mark Developers (Smt. Madhu Agrawal & Smt. Kamlesh Agrawal Land Owners & Partners) at Khasra No. – 672/1, 672/2, 673/2/1/2, 674/1/2, 673/2/1/1, 673/2/1/3, 674/1/3, 671 Village – Amaudha Near Blooms Academy, Tehsil – Raghuraj Nagar, Distt. - Satna, (M.P.) (Total Land Area = 15130.0 sq.mt. , Total Built up Area – 30,224.99 sq.mt. (23137.81 sq.mt. + 7087.19 sq.mt.) Env. Consultant: M/s In Situ Enviro Care, Bhopal (M.P.) For – Building Construction.

The case was presented and discussed in the 138th SEAC meeting dated 25/07/2013. PP was asked to submit following information along with the supporting documents:

- As assured by the PP that no construction has been initiated at site; an affidavit on stamp has to be furnished in this context.
- Provisions for common meeting / play space shall be provided on appropriate floor of one of the tower ó a plan with identification of such floor to be provided.

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The above information along with the supporting documents was submitted by the PP. PP has submitted an affidavit stating that no construction activity has been initiated till date at the proposed site. Various submissions including the EMP for the project was 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. Fresh water demand for the project shall not exceed 107.0 KLD.
2. Sewage treatment system based on SAFF technology i.e. Preliminary treatment + Aerobic biodegradation treatment followed by tertiary treatment shall be installed.
3. STP with appropriate capacity shall be installed along with the other construction activities.
4. The developer of the township shall be responsible for operation and maintenance of the STP and other environmental issues.
5. As proposed a common meeting space shall be provided on the 7th floor of the Tower B of the project.
6. Ready mix concrete containing fly ash or PPC which contains fly ash shall be used in the construction.
7. The treated waste water shall be recycled in the project for horticulture and flush through dual plumbing. The excess treated waste water shall be disposed off in the municipal sewage system.

9. Case No. 713/2012 ó Mr. N.C. Sarangi, M/s Teva API India, Ltd. at Plot No. Q1 to Q4, Ghirongi, Malanpur Industrial Area, Distt. - Bhind, (M.P.) Proposed Revalidation of Existing EC of Bulk Drug, Intermediate and API by M/s Teva API India Limited at Plot No. Q1 to Q4, Ghirongi, Malanpur Industrial Area, Distt. - Bhind, (M.P)

This case submitted for revalidation of EC in view of the proposed change in product mix. After detailed appraisal of the project (including compliances of the conditions laid in existing EC and Air /Water Consents) especially the expected change in pollution load due to the proposed change in product mix the case was recommended for grant of amended EC in the SEAC meeting 125th SEAC meeting dated 09/04/2013 followed by amended conditions in the 132nd meeting dated 14/05/2013. SEIAA vide its meeting dated 20/06/2013 has asked SEAC for comments on the compliances of EC / Consent conditions in view of MoEF O.M. dated 30/05/2012. After review of the proceedings pertaining to the project SEAC has following opinion:

As this project is in operation & was submitted for revalidation of existing EC in view of proposed change in product mix, compliances of conditions of existing EC & consents were discussed in detail and recorded during scoping itself in the SEAC meeting dated 23/07/2012 the same were presented by the PP in the meeting dated 11/03/2012 during EIA appraisal.

It was observed that no expansion is envisaged with regard to the production capacity, however, a slight reduction in the production capacity from 2957.22 MTPA to 2951 MTPA was observed.

As change in product mix has been proposed in the project the important aspect to be examined in the proposal was change in pollution load considering the worst case scenario and the same has been dealt in detail in the 122nd meeting dated 11/03/2012 and 125th meeting dated 09/04/2013. The case was recommended imposing special

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conditions through 125th SEAC meeting dated 09/04/2013 followed by amended conditions in the 132nd meeting dated 14/05/2013.

After scrutiny of the project it was observed that increase in production capacity has not been proposed also it was observed that the proposal does not involve additional land hence the MoEF O.M. dated 30/05/2012 is not applicable for the proposed change. The only aspect to be examined meticulously is change in pollution load and the same has been carried out while appraising the project.

In view above facts the recommendations of SEAC in the meetings dated 09/04/2013 and 14/05/2013 remain unaltered.

10. Case No. - 633/2011 Mr. D.K. Mittal (Location Head), M/s Trident Group, Hoshangabad Road – Budhni, Tehsil – Budhni, Distt. – Sehore (M.P.)- Captive Thermal Power Plant of 2x30 M W Existing Trident Group Complex at Village – Budni, Distt. Sehore (M.P)

The case was considered and recommended for grant of prior EC in the 138th SEAC meeting dated 25/07/2013 on the basis of the distance of project boundary from the boundary of Ratapani Sanctuary as provided by the Forest SDO, Budni. Before the matter could be processed further, letter number 5069 dated 26.08.2013 from PCCF office, was forwarded by SEIAA vide letter no. 1577 dated 06/09/2013 mentioning that the distance of project boundary from the boundary of Ratapani sanctuary is only 8.3 Km i.e. less than 10 Km. Thus, the project attracts general conditions and hence falls under category A as per the provisions of EIA notification. PP has requested to forward the case to MoEF with recommendations in favour of the project. Scrutiny of the project reveals that being Thermal Power project a comprehensive evaluation has to be carried out keeping in view the reported sensitive features within 10 Km from the project boundary. Hence it is recommended that, the case may be closed & delisted at State level and PP may be asked to apply afresh to MoEF.

11. Case No. – 489/2009 M/s S.N.S. (Minerals) Limited, P.O. & Distt. – Satna (M.P.)- 485001 - Jamuani Kalan Limestone Mine at Khasra No. – 683, 684, 685, 686, 687, 688, 689, 744, 745, 746, 748, 787/1, Village- Jamuani Kalan, Tehsil- Vijayraghgarh, Distt. – Katni (M.P.), production capacity – 10,000 MTPA to 2,00,000 MTPA Lease Area – 8.584 Ha., Lease Period – 20 Yrs(23/09/1995 to 22/09/2015).

The project was discussed in detail in the SEAC meeting dated ????????. After deliberations PP was asked to submit response to the following queries at the earliest:

- Production details from 1994 onwards to be furnished so as to ensure that violation has not been done.
- Written assurance has to be submitted for fulfillment of all the commitments (maintenance of road, supply of mine-water to farmers, safe-blasting etc.) made before the public.
- Regarding issue of casualty of a boy in other mine as raised in the public hearing, PP has to submit evidential document proving that the issue does not pertain to this project and PP is not involved in the episode.

PP has submitted the desired information along with the supporting documents. The submissions made by the PP including the EIA report, EMP were found to be satisfactory

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and acceptable. Hence committee has recommended the case for grant of prior EC subject to the following special conditions:

1. Case of violation has been accepted by the PP. Hence EC may be issued after taking necessary action as detailed in MoEF OM No. J-11013/41/2006-IAII(I) dated 12/12/2012.
2. The village roads being used by the PP for transportation shall be maintained by the PP, the task shall be executed through Gram Sabha and local administration.
3. The excavated pits shall be developed into aesthetic and safe water bodies. The water accumulated in the mines shall be supplied to the farmers free of cost.
4. All CSR activities shall be taken up through Gram Sabha and the local administration.

12. Case No. 1037/2012 - Shri Kadam Singh Kansana, Director, 39, Alkapuri, Behind New High Court, City Centre, Gwalior (M.P.) " Royale Enclave" High Rise residential Project of M/s Urbis Developers Pvt. Ltd., at Survey No. – 202 & 296, Village – Ohadpur, Tehsil – Gwalior, Distt. -Gwalior (M.P.) Total Land Area – 8260.0 sq.mt Total Built-Up Area – 21630.00 sq.mt.,(High Rise Building)

The case was presented and discussed in the 116th SEAC meeting dated 15/01/2013. PP was asked to submit following information along with the supporting documents:

- Copy of application made to concerned authority for supply of water to be submitted.
- Documents pertaining to compensation for EWS to be submitted.
- Location of Play ground and parks to be reviewed so as to enhance total open area.
- Energy conservation planned in the project to elaborated and submitted.
- The location of STP and the MSW collection points may be reviewed and submitted.

Response to the above queries was submitted by the PP along with the supporting documents, which reveals that PP has applied for supply of 122 KLD water to GMC vide letter dated 07/12/12. Plan approved by Municipal Corporation regarding EWS and LIG units in the project has been submitted. Various submissions including the EMP submitted by the PP were found to be satisfactory and acceptable. However, the submissions made regarding the EWS compensation was not clear hence committee decided to call the PP for explanation on EWS issue on 07/11/2013 afternoon

13. Case No. – 1701/2013- (SEAC 139th Meeting dated 19/08/13) Shri Rishabh Mahajan, Director "Ruchi Lifescapes" of M/s Vishal Resorts & Hotels Pvt. Ltd., 2/1, South Tukoganj, Behind High Court, Indore (M.P.) 452001 "Ruchi Lifescapes" at Khasra No. – 235/1, 235/2/1, 236/1, 239/1, 239/2, 240/2 , 252/1, 253, 254/1, 254/2, 256/1, 256/2, 256/3, 259/1, 259/2, 259/3, 260/1, 260/2, 260/31, 261/1, 261/2, Village- Jhalaria, Tehsil - Indore, Distt. – Indore (M.P.) Total Land Area – 25, 1500 sq.mt. Total Built Up Area – 53,938.22 sq.mt. (Total Maximum Heights of the project will be 18 Meter).

The case was presented and discussed in the 139th SEAC meeting dated 15/08/2013. PP was asked to submit following information along with the supporting documents:

- Water balance, sewage estimation and the capacity of the STP to be re-examined keeping in view the worst case scenario.
- Under taking from Municipal Corporation for supply of requisite quantity of fresh water

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for the project during operation phase.

- Storm-water management plan of the township after the township is completed to be furnished along with the related maps & drawings.
- Parking space in all the blocks has to be ensured to avoid parking on roads during operation phase.

Response to the above queries was submitted by the PP along with the supporting documents, which reveals that PP has applied for supply of 671 KLD water to IMC vide letter dated 09/07/13. Various submissions including the EMP submitted 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. Fresh water demand for the project shall not exceed 122.0 KLD.
2. MPPCB shall ensure that permission for water supply from IMC is obtained before CTO is issued for the project.
3. Sewage treatment system based on SAFF technology i.e. Preliminary treatment + Aerobic biodegradation treatment followed by tertiary treatment shall be installed.
4. STP with appropriate capacity shall be installed along with the other construction activities.
5. The developer of the township shall be responsible for operation and maintenance of the STP and other environmental issues.
6. Ready mix concrete containing fly ash or PPC which contains fly ash shall be used in the construction.
7. The treated waste water shall be recycled in the project for horticulture and flush through dual plumbing. The excess treated waste water shall be disposed off in the municipal sewage system.

14. Case No. 457/2009 (SEAC 71st Meeting dated 13/12/10) **M/s Sukhdeo Prasad Goenka, Prop. - Anand Kumar Goenka, Station Road, Katni, Distt. - Katni (M.P.)** *Kubri Limestone Mine, Area- 16.890 Ha, Capa. - 6000 TPA at Village- Kubri (Khasra No. 11, 12, 13P, 19P, 20P, 37P, 39,P, 40P, 41P), Tehsil-Maihar Distt.- Satna (M.P.) of Smt. Sushila Singh. TOR issued vide letter no 989 dt. 23/04/10.*

This is a case of Opencast/ manual Mining. The project was discussed in the SEAC meeting dated 13/12/2010. Pits & Quarries (Existing) has been reported in 0.01 Ha. Ultimate Depth of Mining shall be 6mbgl (94mRL). Ground water table in monsoon period is reported to be 12mbgl (88mRL), thus mining is not going to intersect the ground water table. Area to be reclaimed at the end of lease period is reported to be 10hect of which area to be covered under plantation by Lease Period shall be 6.0ha and area covered under pit in Lease Period shall be 14.25Ha. After deliberations PP was asked to submit information along with the supporting documents for the following queries:

- Executive Summary of EIA/EMP in not more than 10 pages has to be submitted.
- Activity wise budget break-up for CSR activities to be submitted along with a written commitment for the above.
- NOC from Forest Department in the prescribed format.
- NOC from Gram Sabha.

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- Scheme for plantation in at least 33% of total lease area within the lease period along with budgetary provision has to be submitted.

PP has submitted the desired information along with the supporting documents. The submissions made by the PP including the EIA report, EMP were found to be satisfactory and acceptable. Hence committee has recommended the case for grant of prior EC subject to the following special conditions:

1. This is found to be a case of violation; hence EC may be issued after taking necessary action as detailed in MoEF O.M. No. J-11013/41/2006-IAII(I) dated 12/12/2012.
2. The village roads being used by the PP for transportation shall be maintained by the PP, the task shall be executed through Gram Sabha and local administration.
3. The excavated pits shall be developed into aesthetic and safe water bodies. The water accumulated in the mines shall be supplied to the farmers free of cost.
4. Plantation of thick canopy plants shall be taken up as per the plan submitted.
5. All CSR activities shall be taken up through Gram Sabha and the local administration.

15. Case No. – 1247/2013 Mr. Rajkumar Suhane, Managing Director, M/s Agro Phos(India) Ltd.. M-87, Trade Centre, 18, South Tukoganj, Indore (M.P.) – 452001
M/s Agro Phos (India) Limited, Plot No.- 135-A to 138-A, Industrial Growth Centre ó Meghnagar, Distt. - Jhabua (M.P.) (a) Single Super Phosphate(Powder/Granulated) ó 115500 MT/Year., (b) Dicalcium Phosphate ó (DCP) 3300 MT/Year.

The EIA for the project was presented in the 139th SEAC meeting whereby the PP was asked to submit following information along with the supporting documents:

- Chemical composition of the Rock Phosphate to be submitted along with the nature of associated minerals.
- Proposed On-site emergency plan.

PP has submitted satisfactory response to the above queries. The EIA, 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. Out of total plot area of 8821 m² green cover in 4000 m² shall be developed including thick green-belt.
2. Fresh water requirement in the project including domestic requirement shall not exceed 190 KLD.
3. 100 % treated waste water shall be recycled in the process / horticulture maintaining zero-discharge from the unit.
4. Continuous Ambient Air Quality Monitoring System and Continuous Emission Monitoring System shall be installed so as to deliver the on-line real-time data to SPCB and CPCB has to be installed before commencement of production.
5. Scrubbing efficiency of the fluorine ventury scrubbers has to be evaluated periodically every six months and reported in the compliance reports submitted to MoEF and MPPCB.
6. CSR activities shall be taken up in coordination with the local authorities.

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- 16. Case No. – 684/2012** Shri Jasjeet Singh Walia, M/s Broken Hill Mining Company, 188, Rizwzn Bagh, Lalghati, VIP Road, P.O.- Bhopal, Distt. Bhopal (M.P.) 6 462032 *Gidurha Laterite & Iron Ore Mine Khasra No.- 633,634,,397 at Village – Gidurha, Tehsil – Sihora, Distt. – Katni (M.P.) Lease area – 9. 20 ha. Capacity – 0.30 MTPA.*

The case was presented and discussed in the SEAC meeting dated 29/08/2013, PP was asked to submit information along with the supporting documents on the following queries:

- Clarification from the competent authority regarding location of temple with respect to the mining site in response to the public hearing issue.
- Water budget to be re-calculated justifying all the resources and the associated impacts.
- Revised plantation scheme to be furnished.

PP has submitted satisfactory reply to the above queries. Clarification regarding location of temple with respect to the mining site in response to the public hearing issue has been submitted after due validation from the Tehsildar, Sehora. EIA, 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. Water requirement for the project shall be 33 KLD.
2. STP to be installed for re-cycling of domestic waste water.
3. Ore shall be used for own use and not for sale in accordance to the lease deed.
4. CSR activities shall be taken up in the region through local administration and Gram Sabha.
5. EC shall be strictly subject to the decision of the Honøble Court in the matter regarding retention of lease deed with the present PP.

- 17. Case No. – 1165/2013** (SEAC 140th Meeting dated 30/08/13) 6 Shri Deepesh Asnani, Director, Asnani Builders and Developers Pvt. Ltd., Block – A, Second Floor, Mansarowar Complex, (Near M.P. Nagar –BPL.) Bhopal (M.P.) – 460211- The project was *Spring Valley Dew Khasra N0. 19, 20, 22, 29, 38, 317, 316(Part) 31, 32, 34, 35, 36, 37, 41 at Village – Katara, Bhopal (M.P.) Proposed Total Area -36000.00 Sqm. (8.9 Acre).* presented and discussed in the 140th SEAC meeting dated 30/08/2013. PP was asked to submit following information along with the supporting documents:

- Mode of disposal of excess treated sewage.
- Provision of Play Ground has to be explored and submitted in the project.
- An Affidavit has to be furnished stating that the developer of the project shall take up the operation/maintenance of STP and Management of MSW for future.

Satisfactory response for the above queries was submitted by the PP. 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

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conditions:

1. Fresh water requirement for the project shall not exceed 450 KLD.
2. Ready mix concrete containing fly ash or PPC which contains fly ash shall be used in the construction.
3. The treated waste water shall be recycled in the project for horticulture and flush through dual plumbing. The excess treated waste water shall be disposed off in the municipal sewage system.
4. Provisions of play ground shall be made as proposed by the PP.
5. At least 50% of the street lights as proposed shall operate using solar energy.
6. At least 30% of the total plot area shall be covered under green.
7. Operation and maintenance of the STP and other environmental issues shall be the responsibility of the developer.

18. Case No. – 677/2012 Shri Manoj Agrawal, M/s JMD Fertilizers Pvt. Ltd., Brajdharm Colony Indore Road, Harda (M.P.) Single Super Phosphate 400 TPD at village Attarsama Teh-Harda, Distt-Harda (M.P.)

This is a proposed SSP plant the ToR to carry out EIA / EMP for the project was issued on 06.06.12. PP has submitted letter on 09-09-13 for withdrawal of their application. Committee decided to return the case to SEIAA for delisting the project.

19. Case No. –656/2011 (SEAC 135th Meeting dated 04/06/13) Mr. Sanjay Goyal, President, 11/2 Meerapath- Indore (M.P.) – 452003 - Building Construction Project. Group Housing Project " M/s Lakshman Nagar Griha Nirman Sahakari Sanstha Samiti " at Village – Khajrana, Kanadia Road Khasra No., Tehsil & Distt.- Indore (M.P.) Plot area – 5,99,226.89 m², Built Up area – 1,04,138.37m²

The project was discussed in the 116th Certain queries such as land details of the adjoining land parcels and lay out features were not clear hence the PP was asked to present the case after submission of response to all the queries. Accordingly the PP was called for another presentation on the submitted queries in the 135th meeting dated 04/06/2013. The presentation and submissions made by the PP were found to be satisfactory and acceptable. However, committee asked the PP to submit following details at the earliest:

1. Exact technology & the details thereby for the STP finalized for the project.
2. Cost of EMP including the STP, MSW management etc. to be worked out and submitted.
3. Source of the funds for execution of EMP i.e. provision of corpus funds etc..
4. Permission / NOC from Indore Municipal Corporation for disposal of MSW.
5. An affidavit with commitment for demolishing the temporary structures found at site during visit of sub-committee.

PP has submitted satisfactory response to the above queries. The other submissions including the EMP was also found to be satisfactory and acceptable, thus committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. STP based on extended aeration technology shall be installed along with the other

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- construction activities.
2. Fresh water requirement for the project shall not exceed 206 KLD.
 3. PP shall submit the permission for water supply from the competent authority to MPPCB at the time of CTE.
 4. Ready mix concrete containing fly ash or PPC which contains fly ash shall be used in the construction.
 5. The treated waste water shall be recycled in the project for horticulture and flush through dual plumbing. The excess treated waste water shall be disposed off in the municipal sewage system.
 6. Provisions of play ground shall be made as proposed by the PP.
 7. At least 50% of the street lights as proposed shall operate using solar energy.
 8. At least 30% of the total plot area shall be covered under green.
 9. Operation and maintenance of the STP and other environmental issues shall be the responsibility of the developer.

20. Case No. – 1606/2013 (SEAC 133rd Meeting dated 15/05/13) **Shri Dinesh Sharma S/o Shri Madan Lal Sharma, Behind LIG- 107, Patel Nagar- Ujjain, Distt. – Ujjain (M.P.) -456001, Lease Area – 1.00 ha. Stone/Boulder Quarry at Survey No.- 308/1, Village – Gunai Khalsa, Tehsil – Ujjain, Distt. – Ujjain (M.P.) Capacity – 8,000 Cubic Meter Year, Lease Period – 10 Years.**

This is a case of mining of stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Survey No. - 308/1, Village ó Gunai Khalsa, Tehsil ó Ujjain, Distt. ó Ujjain (M.P.) in 1.00 Ha. The project requires prior EC before commencement of any activity at site. It was submitted by the PP that after the Project is completed the proposed land will be converted into pond which will be used for irrigation purpose. It is also reported by the PP that no mining is either operating or proposed within 250 meters from the boundary of the proposed mining site.

PP has not submitted a copy of requisite information in the prescribed format duly verified from the Tehsildar, hence was asked to submit the same. Permissible production capacity has been restricted by the committee to 7000 m³ / Year for 10 years subject to the condition that average depth of the pits shall not exceed 7 m at the end of 10 years.

PP has submitted requisite information in formate-1 duly verified by the tehsildar and DFO. It was reported that no mine is operating within 500 meters from the proposed project site. 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 final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.

[S.C. Jain, Chairman]

[A.P. Srivastava, Member]

[V.Subramanian, Member]

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3. PP shall be responsible for any 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 to $7000m^3/Year$ and the average depth of the pits shall not exceed 7.00m 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. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat.
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

21. Case No. – 1216/2013 (SEAC 123rd Meeting dated 12/03/13)**Shri Mohammad Jameel S/o Shri Mohammad Shafique, 15/169, Lalpura Ward No. -15, Shajapur (M.P.) 465001** Lease Area – 02.00 Ha., Stone/Boulder Quarry (New). Capacity – 10,000 Cubic Meter/Year Survey No. – 03, Village -Kheda, Tehsil –Shajapur, Distt. – Shajapur (M.P) Lease period – 10 Years

Total area of this particular survey no. is reported to be 6.10 hectare out of which only 2.0 hectare has been allocated to the PP for mining of stone. It is expected that the remaining area which possibly contains stone may also be allocated to other interested operators. Thus taking in to account the total mining area i.e. more than 5 hectare the project shall fall under B-1 category as per the decided guidelines of SEIAA. It was decided by the committee to clarify the matter with concerned authority and PP.

PP has submitted a copy letter no. 1318 dated 13/03/2013 from Tehsildar Shajapur stating that out of 6.10 Ha land of survey no. 03 of village Kheda only 2.0 Ha land has been allocated for mining and rest 4.10 ha land has been conserved for pathways (nistaar) purpose. The scrutiny of the case reveals that this a case of stone mining proposed at Survey No. 03, Village -Kheda, Tehsil Shajapur, Distt. Shajapur (M.P) in 2.0 Ha. PP has submitted requisite information in formate-1 duly verified by the tehsildar and DFO. It was reported that no mine is operating within 500 meters from the proposed project site. 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 final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.

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3. PP shall be responsible for any 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 to *10,000 m³/Year and the average depth of the pits shall not exceed 7.00m 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. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat.
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

22. Case No. – 659/2011(SEAC 139th Meeting dated 29/08/13) **Shri Neeraj Kumar Jain, Sawarkar Ward, Nai Basti, Katni, Distt. – Katni (M.P.) - 483001 Budhanwara Laterite and Red Ocher Mine at Khasra no. - 339/543, Village- Budhanwara tehsil-Bohriband Distt.- Katni (M.P.) Area- 15.00 Ha. Proposed production Capacity – 16,500 MTPA.**

The case was presented and discussed in the 139th SEAC meeting dated 29/08/2013. After deliberations PP was asked to submit response to the following queries:

- Mineral wise production capacity figures to be furnished.
- Written commitment for all the issues (such as maintenance of local roads, provisions of public toilets etc.) raised and committed by the PP in the Public hearing to be furnished.

PP has submitted satisfactory reply to the above queries which reveals that 8550 T / Year of laterite and 11354 T / Year of Red Ochre shall be mined out in the project. PP has also submitted an affidavit stating that all the commitments made before the public during public hearing shall be fulfilled. EIA, 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. EC shall be valid for production of 8550 T / Year of laterite and 11354 T / Year of Red Ochre.
2. Green belt development would be taken up all along the haul roads and overburden dumps.
3. Plantation will be done on 33% of the total mine lease area. Initially plantation will be done in barrier zone and sides of the mine roads.
4. Appropriate garland drains shall be constructed around all the dumps.

23. Case No. - 1306/2013 (SEAC 140th Meeting dated 30/08/13) **M/s Highway Infrastructure Pvt. Ltd., 57-FA, Scheme No. – 94, Pipliyahana Junction, Ring Road, Indore (M.P.) Building Construction." New York City " of M/s Highway Infrastructure**

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*Pvt. Ltd.at Khasra No. – 969/1/3, 970/2, 970/3, 971/2, 972/1/2, 973/2/1, 975/3/1,973/1/3, 975/1, 974/1/2, 975/2 Village- Nihalpur Mundi, Tehsil - Indore, Distt. – Indore (M.P.)
Total Land Area – 52500.00 sq.mt. (5.25 Ha.) Total Built Up Area – 45357.98 sq.mt.*

The case was presented and discussed in the 140th meeting dated 30/08/2013. After deliberations committee has asked the PP to submit clarification and information on following issues along with the supporting documents:

- Complete details of the proposed STP to be furnished.
- Status of construction (if any) at the site, along with the notarized copies of necessary permissions obtained from Town & Country Planning Deptt and other concerned authorities to be furnished.
- Lay out showing green area proposed in the project along with the map.
- Commitment / Permission from the competent authority for supply of water for the project during construction as well as operation phase.
- MSW Management with details of collection, storage and disposal of the same. (complete scheme)
- Water balance showing the ultimate disposal of the excess treated sewage.

PP has submitted the response to the above queries and the same was placed before the committee. A complaint was also forwarded by SEIAA from some local resources of Indore, stating that a crusher is operating in the premises of the proposed project and that construction has been initiated at site. Sub-committee visited the site to verify the facts about the complaint. The site visit revealed that the crusher is not operating at the proposed site and construction of more than 20000 m² has been done at the site. The submissions made by the PP were found to be satisfactory and acceptable hence the committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. This is found to be a case of violation; hence EC may be issued after taking necessary action as detailed in MoEF O.M. No. J-11013/41/2006-IAII (I) dated 12/12/2012.
2. Fresh water requirement for the project shall not exceed 413 KLD..
3. SAFF based STP with capacity of 400 KLD shall installed.
4. Operation and maintenance of the STP and execution of other environmental issues shall be the responsibility of the Developer i.e. M/s Highway Infrastructure Pvt. Ltd.

24. Case No. 564/2010 ó (SEAC 109th Meeting dated 06/11/12) **M/s KJS Cement Ltd. Corporate Office A-7, Maharaniabagh New Delhi (Earlier PP- Shri Ramlal Daftari JSQ- 39, ACC Colony P O Kaimur Distt- Katni- (M.P.) - Limestone mine 7.316 ha. at Piparhat Teh- Maihar, Distt- Satna-(M.P)**

The original TOR dated 27/09/2010 was issued to Shri Ramlal Daftari. It was submitted by the present owner of the said mine that the lease has been transferred to M/s KJS Cement Ltd. PP has enclosed attested true copies of the relevant orders issued by the mining department. PP has requested to extend the validity of TOR for one year so that the EIA and public hearing may be conducted and submitted for further action. PP has also requested to issue the extended (revised) TOR in name of the new owner. Based on the request and the

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papers submitted by the PP the TOR was extended for one year in name of M/s KJS Cement Ltd. Corporate Office A-7, Maharaniabagh New Delhi, the validity of the TOR was wrongly quoted as March 2014 instead of September 2013 the same was taken note of. PP has already been informed about the same by SEIAA. As validity of the TOR has expired Committee decided to return the case to SEIAA for further necessary action in the matter.

25. Case No. - 430/2009 Shri Mohan Shukla, Attorney: K.P. Pathak, 133, Shantinagar, Damoh Naka, Jabalpur (M.P.) Kailwara (Khurd), Laterite & Bauxite at Village- Khilwara (Khurd), Khasra No. 461/1, Teh- Murwara, Distt. - Katni (M.P) Area- 16.187 Ha, Capa- Laterite & Bauxite -6000 MTA.

The case was presented and discussed in the 75th meeting dated 06/01/2011. After deliberation committee has asked the PP to submit reply on following queries:

1. Clear NOC from the competent authority of Forest department.
2. NOC from Gram sabha.
3. Detail OB management plan with location of the OB area on map in view of high stripping ratio.
4. Plan so as to prevent any discharge in to the nearby river Katni.
5. Activity wise budget break-up for CSR activities to be submitted.
6. Copy of approved mining Plan and mining lease to be submitted.
7. Executive Summary of the EIA/EMP to be submitted.

PP has submitted a delayed response to the above queries. The EIA, 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 production capacity of *Laterite & Bauxite shall not exceed 6000 MTA.*
2. Progressive back-filling shall be taken up as proposed.
3. Plantation of thick canopy plants shall be taken up as proposed.
4. All CSR activities shall be taken up through Gram Sabha and the Local administration.

26. Case No. - 728/2012 Shri Tanwar Singh, 137, AB Road, Bhopal Chouraha-Dewas, Distt.- Dewas (M.P.) 455001 Expansion Rajoda Masonary Stone Mine at Khasra No.- 836, Village – Rajoda, Tehsil – Rajoda, Distt.- Dewas (M.P) Lease Area- 10.926 Ha., Production Capacity – 5 Lacs M.T. Per Year. (Lease Period - dt.17.11.2010 to 16.11.2020).

The case was presented in the 142nd meeting dated 11/09/2013. After deliberations PP was asked to submit following information along with the supporting documents:

1. NOC from Gram Sabha (Proceedings).
2. NOC from Forest deptt. Showing distances of Forest boundaries from the Site and distance of nearest Notified Area.
3. Activity wise CSR budget break-up.

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The above information was submitted by the PP and the same was placed before the committee in the meeting. It was submitted by the PP that Rs 3.25 lac shall be reserved for CSR activities as per furnished break-up. NOC from DFO and gram Panchayat has also been submitted by the PP. The scrutiny of the case reveals that the EIA, EMP and other submissions made by the PP are satisfactory and acceptable. Hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. The production capacity of *stone shall not exceed 5.0 LacMTA.*
2. The excavated pits shall be developed into safe and usable water bodies. The accumulated water shall be made available to the farmers free of cost.
3. Plantation of thick canopy plants shall be taken up as proposed.
4. All CSR activities shall be taken up through Gram Sabha and the Local administration.

27. Case No. 664/2012- (Query – from SEIAA 150th meeting dated- 05/10/2013)
Shri Himanshu Kothari, ED, M/s S.N.S. (Minerals) Ltd., P.O. - Maihar, Distt. - Satna (M.P.) - 485771 Tamoria Limestone, Dolomite and Reject Stone Mine, Area – 42.567 ha. for production capacity of 5,00,000 TPA at Village- Tamoria, Tehsil – Maihar, Distt. – Satna (M.P.),

SEIAA has pointed out that impact & mitigation measures have been dealt in the EIA report, the same were presented by the PP before SEAC and discussed at length during EIA appraisal. The concerned Office of MoEF has provided factual report towards compliance of conditions of the existing EC; the same was also discussed at SEAC. The case has been recommended for grant of prior EC to SEIAA after examining the project meticulously from all aspects pertaining to environmental impacts. However, the EMP and proposed CSR with budgetary provisions is summarized as below:

Environment Management Plan:

Air quality management

Control of Fugitive Emissions

- É Wet drilling arrangements will be made.
- É Use of Personal Protection Equipments (PPE) like dust masks, ear plugs etc. by the mine workers.
- É Over size boulders will be broken mechanically to reduce dust and noise generation, which otherwise would be generated due to secondary blasting.
- É Controlled blasting and optimal use of explosive will help in reducing the above emissions.
- É Regular water sprinkling on haul roads & loading points will be carried out.
- É Development of green belt/plantation around the lease boundary, roads, dumps etc.
- É Ambient Air Quality Monitoring will be conducted on regularly basis to assess the quality of ambient air.

Prevention and control of Gaseous Pollution

- É In mining activities, the sources of gaseous emissions would be blasting
- É Blasting of explosive results in the increase of nitrogen oxides, which get diluted by the wind. Controlled blasting and optimal use of explosives will help in reducing the above emissions.

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É Proper maintenance of mining machinery improves combustion process & helps reduction in the gaseous emission.

Noise Pollution Control

É Proper maintenance, oiling and greasing of machinery 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, dust and vibrations.

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.

Protective measures for ground vibrations / fly rocks caused by blasting

É For minimizing adverse impact of blasting optimal use of explosive along with delay detonators will be adopted at mine to reduce ground vibration, fly rocks, dust generation, noise generation, etc.

É Overcharging will be avoided;

É Supervision of drilling and blasting operations to ensure proper design blast geometry;

É Blasting operations will be carried out only during day time as per mine safety guidelines;

É Proper warning signals will be used to prevent entry of any unauthorized person in the blasting zone at the time of blasting operations;

É By optimization of drilling ó blasting parameters i.e. burden, spacing, depth of hole, etc.

É By using Controlled Blasting

É By avoiding secondary blasting with the help of mechanical breaking of large sized boulders.

Water Quality Management

Mining activities may cause adverse impacts due to mine drainage, siltation due to storm water and contaminated water from dump. However in the present project, Fully Mechanized mine working without any workshop at the site and no perennial streams existing within the ML area, and working is done well above the ground water of the region, the impact on water resources are negligible. However, in order to mitigate the likely impacts the following management has been proposed.

Surface water

There is no perennial source of surface water such as river or nalla in the lease area. There is only seasonal water courses/nalla in the buffer zone. This drains the surface run off. Garland drain has been made towards sloping southern and western side to prevent erosion, sedimentation, and siltation. Water treatment is not expected. Since there is no river or any perennial water course in the applied area, diversion will not be required. There is no toxic element in and around the applied area or in OB or ore. Hence contamination of any nature is not expected for surface or any ground water source.

Following measures are proposed as part of the management plan to check the pollution of surface water bodies due to mining and dumping.

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- Garland drain will be made towards sloping southern and western side to prevent siltation of the nearby seasonal water course at 50m distance. Garland drain (1.0m x 0.50m) along with settling tank of 3.0m x 3.0m x 2.0m is prepared around the periphery of the Dump and near the agriculture field of width 6 to 7m. Plantation will be raised on it. The sides of protective bund will be sloped at an angle of repose i.e. less than 30^o from the horizontal. Short trenches and holes will be made to further avoid run off.
- Garland drains provided will be diverted to settling ponds and the surface run-off from the mine lease area will be accumulated there for settling. This accumulated water will be used in the mine for dust suppression and plantation.
- Run-off from the mining area will be passed through a check dams with filter beds to allow settling of solid particles. These check dams will also assist in the recharge of ground water system.
- The check dams and the settling tank will be periodically de-silted before the onset of monsoon.
- The water reservoir created in the mine pit will also act as water conservation for storage and recharge of ground water

Budget

Budget for Environmental protection

Particulars	Capital Cost (Rs.)	Recurring Cost (Rs.)
Pollution Control		
Dust suppression	8,00,000	2,00,000
Gully plugs, Check Dam and settling tank etc	3,00,000	50,000
Pollution Monitoring	--	1,00,000
Reclamation & Rehabilitation		
Green belt & afforestation	1,00,000	2,00,000
Others (Environmental study, Statutory compliance, etc.)	5,00,000	4,00,000
Total	17,00,000	9,50,000

Socio economic measures

PP has proposed to provide financial assistance of Rs One lac/year for the development of social infrastructure of the area. Following measures have been proposed to improve the Social-economic condition of the region:

- É Preventive medical care and educational facilities for rural population shall be promoted.
- É Priority will be given to local people for employment. Indirect employment through contractual services shall be provided.
- É Extending general benefit by way of development work in the villages through respective Gram Panchayat.
- É Supplementing Govt. efforts in health monitoring camps, social welfare and various awareness programmes among the rural population.
- É Assisting social forestry programme.

CSR budget

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Activities	Area of Investment	Method of calculation	Basics	Expenses (in Rs.)
a	Infrastructure development (education, medical, water shelter & sanitation at lease area etc.			4, 50,000
	Educational facilities	Rs.0.5 lakh per village	No. of Village : 1	50,000
	Medical facilities	Rs. 0.5 lakh per village	No. of Village : 1	50,000
	Others	Rs. 0.5 lakh per village	No. of Village : 1	50,000
b	Income Generation Activities	Rs. 500 per head X unemployed population of nearest village	No. of unemployed population :200	100,000
	Total capital investment			5,50,000

Recurring Expenses

Activities	Area of Investment	Method of calculation	Basics	Expenses (in Rs.)
a.	Corporate Social Responsibility	Total production X Revenue per ton X 2%		500,000
b	Income Generation Activities	Rs. 1000 per head X unemployed population of nearest village	No. of unemployed population : 200	200,000
c.	Community Health checkup	Rs. 0.5 lakh per village X Affected village due to this mining	Anticipated No. of Village : 2	100,000
Total				8,00,000

Committee decided to forward the case without any change in the earlier recommendation.

Meeting ended with thanks to the Chair and the Members.

[S.C. Jain, Chairman]

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