Proceedings of the 231st SEAC Meeting held on 25th , 26th and 27th September 2019

25th September 2019

Members present in the meeting:

Shri. N. Naganna	-	Chairman
Dr. B. Chikkappaiah,IFS(R)	-	Member
Dr. N. Krishnamurthy	-	Member
Dr. K.B Umesh	-	Member
Shri M. Srinivasa	-	Member
Shri J.G Kaveriappa	-	Member
Dr. Vinod kumar C.S	-	Member
Shri. Vyshak V. Anand	-	Member
Shri. D. Raju	-	Member
Shri Venugopal .V	-	Member
Shri Mohammed Saleem I Shaikh	-	Member
Shri. VijayaKumar,IFS	-	Secretary

9/10/2019 MS SEIAA

10/10/2019 ST-SC.O SEIAA

The Chairman, SEAC, Karnataka welcomed the members of the Committee and others present. All the members present have confirmed that they have received the full set of copies of the project documents which are submitted to the Authority by the project proponent to be appraised in 231st SEAC meeting. The following proposals listed in the agenda were appraised in accordance with the provisions of EIA Notification 2006. The MoEF Notification Dated:1st July 2016, NGT orders Dated:13-1-2015, 13-9-2018, 11-12-2018 and the O.M Dated:12-12-2018 pertaining to mining of minerals were brought to the notice and read before the committee and also brought to the notice of the committee that all the mining projects need to be appraised in light of above mentioned NGT orders, Notification and OM issued by MoEF & CC, GoI. The supreme court judgement dated:5-3-2019 pertaining to buffer zones mandated for construction/industrial projects was brought to the notice and read before the committee. The observation and decision of the Committee are recorded under each of the agenda items.

Confirmation of the proceedings of 230th SEAC meeting held on 12th and 13th September 2019.

The State Expert Appraisal Committee, Karnataka perused the proceedings of 230th SEAC meeting held on 12th and 13th September 2019 and confirmed the same.

At the outset committee noted the NGT order issued on 19-8-2019 wherein it has been detailed the nature of the industries that are to be established or expanded in the critically polluted and severely polluted areas. The committee after discussion and deliberation decided that there is no ban on the establishment or expansion of orange or Red category industries except the industries which are polluting and non-complying the provisions of Air Act, Water Act and EP Act and committee decided to proceed further with the appraisal of the other projects which are complying with the above norms.

Referred back from Authority:

231.1 Proposed Project to Formulation of Urea Formaldehyde Resin and Melamine Urea Formaldehyde Resin and Manufacturing process of Lamination of Particle Boards & MDF at Plot No.96-B and 96-C, Adakanahalli Industrial Area, Chikkaiahnachatra Nanjanagudu Taluk, Mysore, District **by M/s. Harsha Impex(SEIAA 38 IND 2018)**

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		**M/s. Harsh Impex** registered office at No.977,13th Cross, 26th Main , J P Nagar, 2nd stage, Mysore-570008.
2	Name & Location of the Project		Plot No.96-B and 96-C, Adakanahalli Industrial Area, Chikkaiahnachatra, Nanjanagudu Taluk, Mysore District.
3	Co-ordinates of the Project Site		Latitude:12^{0}10' 18.5"N Longitude: 76^{0}42' 15.7"E
4	Environmental Sensitivity		
	a.	Distance From nearest Lake/ River/ Nala	Kabini River-3km (SE)
	b.	Distance from Protected area notified under wildlife protection act	None within 15km
	c.	Distance from the interstate boundary	None within 15km
	d.	whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		5f
6	New/ Expansion/ Modification/ Product mix change		New
7	Plot Area (Sqm)		4,000Sqm.Mts
8	Built Up area (Sqm)		792 Sqm.mts
9	Component of developments		Proposed to manufacture of lamination of particle boards & MDF Sheets of capacity 400 Sheets/day And Formulation of Urea Formaldehyde Resin and Melamine Urea Formaldehyde Resin of capacity 15 tons/day
10	Project cost (Rs. In crores)		2,03,17,000(2 crores 3lakhs seventeen thousand)

11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	792.00
	b.	Kharab Land	--
	c.	Internal Roads	
	d.	Paved area	--
	e.	Parking	310
	f.	Green belt	1040.40
	g.	Others Specify	1857 Open space
	h.	Total	4,000

12 Products and By- Products with quantity (enclose as Annexure if necessary)

SI. No	Products	Quantity
1.	Lamination of Particle Boards & MDF Sheets	400 Sheets/day
2.	Formulation of Urea Formaldehyde Resin and Melamine Urea Formaldehyde Resin of capacity	15 tons/day

13 Raw material with quantity and their source (enclose as Annexure if necessary)

SI. No	Material	Quantity per month
1.	Formaldehyde	10 tons/ day
2.	Melamine	2.5 ton/ day
3.	Urea	1.5 ton/ day
4.	Formic acid	10 kgs/ day
5.	Caustic Soda	5 kgs/ day

14	Mode of transportation of Raw material and storage facility	By Road/ Train
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	No
16	Fly ash production, storage and disposal details whereas coal is used as fuel	No
17	Complete process flow diagram and technology employed	Pre-feasibility Report in chapter-3
18	Details of Plant and Machinery with capacity/ Technology used	Pre-feasibility Report in chapter-3

19	Details of VOC emission and control measures wherever applicable		Pre-feasibility Report in chapter-3	
20	WATER			
	I.	Construction Phase		
	a.	Source of water	KIADB	
	b.	Quantity of water for Construction in KLD	2 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	0.25KLD	
	d.	Waste water generation in KLD	1.6 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Mobile STP/Chemical Toilet	
	II	Operational Phase		
	a.	Source of water		
	b.	Total Requirement of Water in KLD	Fresh	0.55
			Recycled	-
			Total	0.55
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	0.10 for cooling
			Recycled	-
			Total	0.1
	d.	Requirement of water for domestic purpose in KLD	Fresh	0.45
			Recycled	-
			Total	0.45
	e.	Waste water generation in KLD	Industrial effluent	-
			Domestic sewage	0.360
			Total	0.360
	f.	ETP/ STP capacity		
	g.	Technology employed for Treatment	Shall be disposed through Mobile STP/Chemical Toilet	
	h.	Scheme of disposal of excess treated water if any		
21	Infrastructure for Rain water harvesting		A collection tank of 5 KLD will be constructed for collecting only the roof top water	
22	Storm water management plan		Pre-feasibility Report chapter-6	
23	Air Pollution			
	a.	Sources of Air pollution	➢ 1 No X Boiler 1.5 T/Hr. ➢ 2 No's X DG set-62.5 KVA	
	b.	Composition of Emissions	SOx, NOx	

	c.	Air pollution control measures proposed and technology employed	For Boilers 3 m ARL(Individual) stack provided. For Dg set 3 m ARL with acoustic enclosures stack provided.	
24	Noise Pollution			
	a.	Sources of Noise pollution	DG set	
	b.	Expected levels of Noise pollution in dB	≤75dBA	
	c.	Noise pollution control measures proposed	For DG set, adequate noise control measures as per CPCB norms shall be provided, These measures shall ensure that the noise levels shall be within the prescribed norms	
25	WASTE MANAGEMENT			
	I.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable	Solid waste-Office waste 5 Kegs/Month Sold to recyclers.
			Non- Biodegradable	
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Used Oil 0.1 KL/Annum Shall be collected in leak proof containers & disposed to KSPCB registered reprocess. Cotton Waste 2 Kg/Annum Shall be collected & disposed to KSPCB registered incinerator. Oil filter No's /Annum Shall be collected & Disposed to KSPCB registered incinerator.	
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	--	
26	Risk Assessment and disaster management		Kindly Refer Chapter 10	
27	POWER			
	a.	Total Power Requirement in the Operational Phase with source	10Kva	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1Nos X 62.5KVA	
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	Diesel	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	----	
28	PARKING			
	a.	Parking Requirement as per norms	As per local Bye law	

	b.	Internal Road width (RoW)	5
29		Any other information specific to the project (Specify)	---

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for 206th meeting held on 20th August 2018 to provide required clarification. The proponent remained absent without intimation.

Since this is a first opportunity, the committee decided to provide one more opportunity to the proponent with an intimation that the proposal will be appraised based on merit in case he remains absent again.

The proponent was invited for 208th meeting held on 22nd September 2018 to provide required clarification.

The proponent and Environment consultant attended the meeting to provide required clarification/additional information. The committee noted that the application has been made out for formulation of synthetic resins but it is learnt from the proponent that it involves manufacture of synthetic resins using toxic chemicals such as formaldehyde and melamine.

In this regard the proponent has also produced the OM issued from CPCB categorizing all synthetic resins under orange category instead of red category classified earlier. There is a remark against this categorization in the above OM which says all sorts of pollutions are involved.

The committee after discussion and deliberations opined that the reaction involves high temperature of 80° to 90°C and toxic chemicals such as formaldehyde which is banned elsewhere. Hence the committee felt that this proposal has to be treated as manufacturing proposal instead of formulation and has to be appraised under red category only. For this the proponent has agreed to make out a fresh application based on the above observations of the committee. Hence it is decided to recommend for closure.

The authority perused the proposal and took note of the recommendation of SEAC during the 157th SEIAA meeting held on 12th October 2018. The authority also perused the letter dated:5-10-2018 requesting not to close the file and they are going to submit the revised application shortly.

The authority after discussion decided to give an a opportunity to the proponent for submission of revised application and to forward the file to SEAC along with revised application if submitted for appraisal in accordance with law.

The proponent has submitted the revised application vide letter 12-10-2018 received on 29-10-2018.

Sl. No	PARTICULARS	INFORMATION

1	Name & Address of the Project Proponent		M/s. Harsh Impex registered office at No.977, 13th Cross, 26th Main, J P Nagar, 2nd Stage, Mysuru -570008.
2	Name & Location of the Project		Plot No.96-B and 96-C, Adakanahalli Industrial Area, Chikkaiahnachatra Nanjanagudu Taluk, Mysuru District.
3	Co-ordinates of the Project Site		Latitude: 12°10'18.5"N Longitude: 76°42'15.7"E
4	Environmental Sensitivity		
	a.	Distance From nearest Lake/ River/ Nala	Kabini River -3 km (SE)
	b.	Distance from Protected area notified under wildlife protection act	None within 15km
	c.	Distance from the interstate boundary	None within 15km
	d.	whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		5f
6	New/ Expansion/ Modification/ Product mix change		New
7	Plot Area (Sqm)		4,000Sqm. Mts
8	Built Up area (Sqm)		792 Sqm.mts
9	Component of developments		Manufacturing of Formaldehyde of 60 Tons/day, Urea Formaldehyde Resin and Melamine urea Formaldehyde Resin of capacity 30 tons/day
10	Project cost (Rs. In crores)		2,03,17,000 (2 crores 3lakhs seventeen thousand)
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	792.00
	b.	Kharab Land	--
	c.	Internal Roads	
	d.	Paved area	---
	e.	Parking	310
	f.	Green belt	1040.40
	g.	Others Specify	1857Open space
	h.	Total	4,000

12	Products and By- Products with quantity (enclose as Annexure if necessary)		Pre-feasibility Report in *chapter* -3	
13	Raw material with quantity and their source (enclose as Annexure if necessary)		Pre-feasibility Report in *chapter* -3	
14	Mode of transportation of Raw material and storage facility		By Road/ Train	
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		No	
16	Fly ash production, storage and disposal details whereas coal is used as fuel		No	
17	Complete process flow diagram and technology employed		Pre-feasibility Report in *chapter* -3	
18	Details of Plant and Machinery with capacity/ Technology used		Pre-feasibility Report in *chapter* -3	
19	Details of VOC emission and control measures wherever applicable		Pre-feasibility Report in *chapter* -3	
20	WATER			
	I.	Construction Phase		
	a.	Source of water	KIADB	
	b.	Quantity of water for Construction in KLD	2 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	0.25KLD	
	d.	Waste water generation in KLD	1.6 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Chemical toilet and Mobile STP	
	II	Operational Phase		
	a.	Source of water		
	b.	Total Requirement of Water in KLD	Fresh	9.45
			Recycled	-
			Total	9.45
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	9
			Recycled	3
			Total	0.4
	d.	Requirement of water for domestic	Fresh	0.45

		purpose in KLD	Recycled	-
			Total	0.45
	e.	Waste water generation in KLD	Industrial effluent	2
			Domestic sewage	0.360
			Total	2.36
	f.	ETP/ STP capacity	Shall be treated in primary effluent treatment plant then sent to CETP	
	g.	Technology employed for Treatment	Disposed to Septic tank and soak pit	
	h.	Scheme of disposal of excess treated water if any	Disposed to Septic tank and soak pit	
21	Infrastructure for Rain water harvesting		A collection tank of 5 KLD will be constructed for collecting only the roof top water	
22	Storm water management plan		Pre-feasibility Report *chapter-6*	
23	Air Pollution			
	a.	Sources of Air pollution	➢ 1 No X Boiler 2 T/Hr. ➢ 1 No's X DG set-62.5 KVA	
	b.	Composition of Emissions	SOx, NOx	
	c.	Air pollution control measures proposed and technology employed	For Boilers 18 m ARL(Individual) stack provided For DG set 3 m ARL with acoustic enclosures stack provided	
24	Noise Pollution			
	a.	Sources of Noise pollution	DG set	
	b.	Expected levels of Noise pollution in dB	≤75dBA	
	c.	Noise pollution control measures proposed	For DG set, adequate noise control measures as per CPCB norms shall be provided. These measures shall ensure that the noise levels shall be within the prescribed norms	
25	WASTE MANAGEMENT			
	I.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable	Solid waste-Office waste 5 Kgs/Month Sold to recyclers.
			Non- Biodegradable	
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Used Oil 0.1 KL/AnnumShall be collected in leak proof containers & disposed to KSPCB registered reprocess. Cotton Waste 2	

			Kg/Annum Shall be collected & disposed to KSPCB registered incinerator. Oil filter No's/Annum Shall be collected & disposed to KSPCB registered incinerator. Waste residue 350kg/annum shall be stored in secured manner and disposed to KSPCB authorized incenartor
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	--
26	Risk Assessment and disaster management		*At Chapter 10*
27	POWER		
	a.	Total Power Requirement in the Operational Phase with source	10kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1No's X 62.5KVA
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	DG 62.5KVA X1-Diesel Boiler2T/Hr X 1- wood/briquette fired
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	---
28	PARKING		
	a.	Parking Requirement as per norms	As per local Bye law
	b.	Internal Road width (RoW)	5
29		Any other information specific to the project (Specify)	---

The Committee after discussion decided to appraise the proposal as B1 and had decided to recommend the proposal to SEIAA for issue of standard ToR for conducting EIA study in accordance with EIA Notification 2006 along with relevant guidelines. The committee also decided to prescribe the following additional ToRs:

1. The proponent to submit EC obtained by KIADB and examine whether the red category industries were allowed in this industrial area and details to be submitted.
2. Whether this unit complies the siting guidelines required for establishment of red category industries.
3. Proponent has to list out various other units that have come up in this industrial hub.
4. Considering the worst case scenario, which product will give maximum Wastage/pollution and is to be addressed in detail in EIA report.
5. Whether the treatment facility provided should have capacity to handle max. Waste generated by a particular product to be detailed.
6. Whether any banned/hazardous solvent are used in the process and replacement if any is to be explained.

7. Detailed design of green belt keeping minimum 33% of the plot area.
8. Material balance & mass balance (ratio between product and waste generated)
9. Alternate to septic tank and soak pit may be furnished.
10. Storm water outlet quality monitored continuously for all the rainy days for June & July months.
11. The detailed design of ETP proposed may be furnished.
12. ETP flow sheet with quality and quantity for unit operation.
13. Explain the process involved in treating/manufacturing MDF board proposed in the unit.

Accordingly ToRs were issued vide letter dated:19-1-2019. The proponent has submitted the EIA report on 14-3-2019 and the same is placed before the committee for EIA Appraisal

The Proponent and Environment consultant attended the meeting held on 26-4-2019 for EIA Appraisal.

The committee noted that there are certain discrepancies in the categorization of the project for which the proponent has stated that he will come back with due clarifications. Hence the committee decided to defer

The proponent and Environment consultant attended the 222nd meeting held on 10-5-2019. The committee noted that the proponent has given an undertaking Dated: 26-4-2019, that he will withdraw the manufacturing of formaldehyde and his activity will be restricted to manufacture of synthetic resins. When he was invited for the 222nd committee meeting held on 10-5-2019, he insisted to take back that undertaking and he will proceed with the manufacturing of formaldehyde. The committee went through the CPCB documents presented by the proponent regarding the non toxicity of formaldehyde and also the EIA report wherein he has mentioned the liberation of hydrogen during the process of manufacture of formaldehyde. Based on this the committee felt that manufacture of formaldehyde involves toxic effluents and flammable gas.

Hence the committee felt that the proposal has to be categorized under Red category and decided to recommend the proposal to SEIAA for closure.

In the meanwhile the proponent has requested the Authority to consider their project vide letter 28-5-2019.

The Authority in its 168th meeting held on 18-5-2019 perused the proposal and took note of the recommendation of SEAC. The Authority observed certain discrepancies in the proposal with regard to submission of undertaking by proponent dated:26-4-2019 and withdrawing the same. The Authority observed that the State Level Expert Appraisal Committee has got a mandate to make categorical recommendation either for grant of prior Environmental Clearance on stipulated terms and conditions or rejection of the application for prior Environment clearance together

with reasons for the same. Whereas, in the instant case the committee has recommended for closure of the file.

The Authority after discussion decided to provide an opportunity of being heard to the proponent and therefore decided to invite the proponent along with the consultant to the next meeting of the Authority and the subject was deferred.

The proponent appeared before the Authority in its 170th meeting held on 4-7-2019 and explained the process involved in manufacturing of formaldehyde and resins. The proponent submitted the following facts in support of his claim that establishment of the proposed unit is environmental sustainable.

1) It is an orange category industry as per the entry at Sl.No.1374 - synthetic resins in the list of orange category industries notified by Karnataka State Pollution Control Board vide Notification dated:14-7-2016 unlike the observation made by the SEAC that it is a red category activity.
2) The proposed activity involves an endothermic reaction wherein the hydrogen release during the reaction get burnt within the process due to the hot silver catalyst bed of 400 to 600 degree centigrade.
3) The manufacturing of resins involves environmentally sustainable process and hence the MoEF & CC, GoI have issued EC to several such projects. (The proponent produced few copies of such clearances issued by Government of India for ready reference of the Authority)
4) The proposed activity is located within an industrial area where several large red category industries have been established.

The proponent was advised to submit a letter incorporating the submissions made during the presentation to the Authority including the above points and addressing all the concerns expressed by the SEAC with due technical/statutory justifications. The Authority after discussion decided to refer the file back to SEAC to appraise the proposal considering the submissions made by the proponent and sent recommendation deemed fit based on merit in accordance with law.

The proponent was invited for the 231st meeting held on 25-9-2019 to provide clarification and additional information. The proponent and Environment consultant were present. The proponent has again reiterated that there is no ban to put up Red category industry in the Adakanahalli Industrial Area and in support of this he has submitted the EC issued for the Adakanahalli Industrial Area Layout wherein the EC is silent about the categories for the industries that are to be put up in this industrial area. He has also submitted the zonal categorization issued by KIADB wherein it is mentioned that the units which are falling under Green, Orange and Red category can be put up in this industrial area.

As far as CER is concerned the proponent has stated that he has earmarked Rs.4.00 lakhs towards taking up water supply, sanitation and water harvesting works in Govt. Maharaja Junior College, Mysore.

Hence, the committee after discussion decided to reconsider after submission of the following information.

1) The layout plan has to be revised keeping 33% of the land area for greenery as mandated.
2) Flora and fauna to be classified as per Wild life Protection Act 1972 and IUCN 2019 and if there are any schedule-I fauna prepare and submit biodiversity action plan in consultation with forest authorities with required budget backup
3) Alternate scheme to treat the effluent within the project site may be worked out and submitted.
4) The possibility of putting up DEWAT system for treating 400 litres/day of domestic sewage may be detailed and submitted.
5) Use of firewood as a source of fuel for the boiler to be avoided and alternatives may be worked out and submitted.

Action: Secretary, SEAC to put up the proposal before SEAC after submission of the above information.

231.2 Proposed Grey Granite Quarry Project in Government Kharab Land at Sy.No.132(P) of Kothakota Village, Bagepalli Taluk, Chikkaballapur District (4-00 Acres) **By Sri CN Prakash (SEIAA 52 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri CN Prakash S/o. Sri Narayana Reddy Chimakalahalli,Thokalahalli Post, Gowribidanur Taluk, Chikkabalapura District
2	Name & Location of the Project	Sy No: 132(P), Kothakota Village,Bagepalli Taluk, Chikkaballapur District.
3	Co-ordinates of the Project Site	Latitude: N 13° 54' 51.3" Longitude:E 77° 51' 27.6"
4	Type of Mineral	**Grey Granite Quarry**
5	New / Expansion / Modification / Renewal	New

6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]		Government Land
7	Whether the project site fall within ESZ/ESA		No
8	Area in Ha		1.618 Ha
9	Actual Depth of sand in the lease area in case of River sand		NA
10	Depth of Sand proposed to be removed		NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016		It's a **Grey Granite Quarry**
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		Fresh Area
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		12,400 Cu m
14	Quantity of Topsoil/Over burden in cubic meter		There is 1.0 m topsoil Available in this area.
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		16,187 Tons
16	Project Cost (Rs. In Crores)		2.90 crores
17	Environmental Sensitivity		
	a.	Nearest Forest	Somarajum RF:
	b.	Nearest Human Habitation	Kothakot Village – 2.25 Kms(SW)
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Bagepalli.
	d.	Water Bodies	Kottekote Kere : 650 m NW
	e.	Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006		
19	Details of Land Use in Acres		
	a.	Area for Mining/ Quarrying	2-19
	b.	Waste Dumping Area	0-01
	c.	Top Soil Storage Area	0-10
	d.	Mineral Storage Area	
	e.	Infrastructure Area	
	f.	Road Area	0-01
	g.	Green Belt Area/Buffer Zone	0-35
	h.	Unexplored area	0-15

	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanised Method Open quarrying	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	10.5 KLD
			Domestic	2.2 KLD
			Other	2.38 KLD
			Total	15.08 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 218th meeting held on 11-3-2019 to provide required clarification. The proponent remained absent with intimation.

The Committee decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

The proponent was invited for the 222nd meeting held on 8-5-2019 to provide required clarification. But the proponent remained absent but he made out an application stating that he made out an application to SEIAA to the effect that ECs issued earlier for neighbouring leases are to be cancelled and he has also stated that he will come up before SEAC after this decision by SEIAA. In view of the above the committee decided to recommend the proposal for closure since the proponent likely to get absented even if he has given one more opportunity.

The Authority perused the proposal in its 168th meeting held on 18-5-2019 and took note of the recommendation of SEAC. The Authority noted that the mandate of the committee is to appraise the proposal based on information provided in Form-I and other associated statutory documents. The Authority further noted that in the instant case as per the cluster sketch provided by the Senior Geologist, Chikkaballapura there are two leases including the one in question, the total extent of which will be 17-06 Acres which is more than threshold limit of 5 Ha prescribed by Hon'ble NGT vide order dated11-12-2018 in O.A No.520 of 2016 for consideration of projects / activity under B1 category.

The Authority also observed that the Hon'ble High Court of Karnataka vide order in W.P.49018/2018 have directed the Authority to dispose of the application

within six month. The Authority after discussion decided to sent the file back to SEAC for appraisal the proposal based on the information available in the statuory application and associate documents and send recommendation deemed fit in accordance with law.

The proponent was invited for 231st meeting held on 25-9-2019. The Proponent and Environment Consultant attended the meeting to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report and clarification/additional information provided during the meeting.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct EIA studies in accordance with EIA Notification 2006.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

Fresh Subjects:

231.3 Proposed Building Stone Quarry Project at Sy.No.58 of Dinnehosahalli Village, Kolar Taluk, Kolar District (Q.L.No.906, Q.L.No.905, Q.L.No.907) (3-34 Acres) **By M/s. Dinnehosahalli Cluster Association (SEIAA 550 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Dinnehosahalli Cluster Association (Represented by Sri. Murugesh) S/o Late Sri. Ramakrishna Danavalli Village Chakarasanahalli Post Kolar Taluk & District, Karnataka		
2	Name & Location of the Project	Building Stone Quarry Cluster in 3-34 Acre of Govt.Land bearing Sy. No. 58 of Dinnehosahalli Village, Kolar Taluk & District, Karnataka.		
3	Co-ordinates of the Project Site	P.No.	Latitude	Longitude
		1	N 13°9'35.14"	E 77°58'44.16"
		2	N 13°9'35.18"	E 77°58'49.77"
		3	N 13°9'34.72"	E 77°58'49.46"
		4	N 13°9'33.01"	E 77°58'48.98"
		5	N 13°9'32.91"	E 77°58'46.36"
		6	N 13°9'32.45"	E 77°58'43.30"
		7	N 13°9'29.44"	E 77°58'42.17"
		8	N 13°9'29.78"	E 77°58'41.08"
		9	N 13°9'32.78"	E 77°58'42.24"
		10	N 13°9'33.15"	E 77°58'42.14"
4	Type of Mineral	Building Stone		

5	New / Expansion / Modification / Renewal		Deemed Renewal (QL No. 906, 905 & 907)
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]		Govt. Land
7	Whether the project site fall within ESZ/ESA		No
8	Area in Acres		3-34 acres
9	Actual Depth of sand in the lease area in case of River sand		NA
10	Depth of Sand proposed to be removed in case of River sand		NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016		NA
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		22,099 (Avg.) Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter		None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		451 Tons/Annum
16	Project Cost (Rs. In Crores)		0.25
17	Environmental Sensitivity		
	a.	Nearest Forest	Yeswantapur State plantation R.F-2.92 Km S-SW Kendatti S.F-6.60 Km E-SE Antaraganga S.F-8.93 Km SE Lakshmisagara State Plantation R.F-6.42 Km S-SE Karadabande State Plantation R.F-5.84 Km S-SW Nandagudi S.F-9.56 Km W-NW
	b.	Nearest Human Habitation	Dinnehosahalli Village-0.95 km
	c.	Educational Institutes, Hospital	Kolar which is Taluk head quarter-16.2 Km
	d.	Water Bodies	Kalkere Kere -2.01 Km N-NE Tornakamdahalli Kere -540m N_NE Kungal Kere -2.72 Km NE Sighalli Kere -3.28 Km NE Kalvamanjali Kere -3.53 Km E-NE

			Dinnehosahalli Kere -1.58 Km E Chandenahali Kere -3.06 Km E-SE Narasapura Kere -3.2 K SE BUddappanahalli Kere -3.39 Km S Chakarasanahalli Kere -2.63 Km S-SW Danhalli Kere -630mW-SW Guttahalli Kere -1.41 Km W-NW Belamanahalli Kere -695m NW Kamandanahalli Kere -5.98 Km N Harjenahalli Kere -5.00 Km N-NE Purahalli Kere -6.75 Km NE Medihala Kere -6.75 Km E-NE Soppanahalli Kere -6.38 Km E Sulur Kere -6.99 Km E-SE Bettakallahalli Kere -5.35 Km SE Mindahalli Kere -7.52 Km S-SE Ramasandra Kere -5.74 Km S-SW Tavarekere Kere -5.00 Km SW Yelachanahalli Kere -7.35Km W-SW Birhalli Kere -7.18 Km W Naduvinapura Kere -5.54 Km W-NW Nelvangala 7.09 KmNW Yeswantapura Kere -6.73 Km N-NW Madivala Kere -6.53 Km N-NW	
	e.	Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Guntas			
	a	Area for Mining	2-15	
	b	Waste dumps	0-05	
	c	Roads	0-03	
	d	Mineral storage	0-05	
	e	Infrastructure	0-03	
	f	Buffer zone	1-03	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	4.80 KLD
			Domestic	0.50 KLD
			Other	2.70 KLD
			Total	8.00 KLD
23	Storm water management plan		Will be carried out.	

24	Any other information specific to the project (Specify)	None

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. Earlier separate applications were made out under SEIAA 276, SEIAA 2019, SEIAA 294, MIN 2019 and SEIAA 301 MIN 2019 even though a cluster notification was issued for 7 quarry leases. Now the proponent has stated that a modified cluster notification involving 3 leases with a total extent of 3 Acres 34 guntas has been issued by DMG and consequent to this the proponent has stated that he has prepared combined EMP for the three leases and separate quarry plan for three leases involved in this cluster. According to which the QL No.906 which stands in the name of Sri. Murugesh is of total area of one acre out of which mining area is 23 guntas and level difference with the mining area is 9 meters and taking this into consideration the proposed quantity of 10,675 cum or 28,075 tons can be mined safely and scientifically. The QL No.907 stands in the name of Smt Vijayamma is of total area of 2 Acre out of which mining area is 1-09 Acres and level difference within the mining area is 11 meters and taking this into consideration the proposed quantity of 64,106 tons or 24,375 cum can be mined safely and scientifically. The QL No.905 stands in the name of Smt Vijayamma is of total area of 34 guntas out of which mining area is 23 guntas and level difference within the mining area is 2 meters and taking this into consideration the proposed quantity of 20,567 tons or 7,820 cum can be mined safely and scientifically.

As far as approach road is concerned the proponent has stated that there is a existing cart track road connecting lease area to all weather black topped road which is at a distance of 950 meters.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.4 Proposed Natural Sand Block Project at Sy.Nos.310/J3 & 310/J4 of Gajapura Village, Harapanahlli Taluk, Ballari District (6.25 Acres) **By Sri G. Nanjana Gowda (SEIAA 551 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	**Sri. G. Nanjana Gowda** S/o Late G. Nagana Gowda I. B. Circle, Sri. Ganesh Temple Road, Harapanahalli Taluk, Ballari District,Karnataka State.
2	Name & Location of the Project	**Natural Sand Block of Sri. G. Nanjana Gowda** The sand block is located at a distance of 300m South East of Gauripur village. over an extent of 6.25 Acres in Survey No. 310/J3 & 310/J4 at Gajapura Village, Chigateri Hobli, Harapanahalli Taluk, Ballari Dist, Karnataka.
3	Co-ordinates of the Project Site	BP-1 N 14^{0}49′ 50.0″ & E 76^{0}09′ 28.8″ BP-2 N 14^{0}49′ 48.3″ & E 76^{0}09′ 28.4″ BP-3 N 14^{0}49′ 45.6″ & E 76^{0}09′ 27.8″ BP-4 N 14^{0}49′ 46.5″ & E 76^{0}09′ 22.1″ BP-5 N 14^{0}49′ 48.9″ & E 76^{0}09′ 21.7″ BP-6 N 14^{0}49′ 50.2″ & E 76^{0}09′ 21.6″ BP-7 N 14^{0}49′ 50.3″ & E 76^{0}09′ 26.8″
4	Type of Mineral	Natural Sand Block
5	New / Expansion / Modification / Renewal	New Quarry
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	2.52
9	Actual Depth of sand in the lease area in case of River sand	-
10	Depth of Sand proposed to be removed in case of River sand	-
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	-
13	Annual Production Proposed	Max. 17388 tons / Annum

	(Metric Tons/ CUM) / Annum			
14	Quantity of Topsoil/Over burden in cubic meter		-	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		Max. 5005tons/Annum	
16	Project Cost (Rs. In Crores)		0.295	
17	Environmental Sensitivity			
	a.	Nearest Forest	The Kalgudda Reserved Forest is located at 8km towards North West Direction.	
	b.	Nearest Human Habitation	Bennihalli – 300m	
	c.	Educational Institutes, Hospital	Primary Schools are located at Harapanahalli Town. The hospitals, colleges, places of worship community facilities etc., are located at Harapanahalli town which is at a distance of 22 kms by road from the lease area.	
	d.	Water Bodies	The project lies on Chikka Hagari river.	
	e.	Other Specify	-	
18	Applicability of General Condition of the EIA Notification, 2006		No	
19	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	2.04	
	b.	Waste Dumping Area	-	
	c.	Top Soil Storage Area	-	
	d.	Mineral Storage Area	-	
	e.	Infrastructure Area	-	
	f.	Road Area	-	
	g.	Green Belt Area	0.48	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20	Method of Mining/ Quarrying		Open cast – Semi mechanised mining method	
21	Rate of Replenishment in case River sand project		-	
22	Water Requirement			
	a.	Source of water	Ground water	
	b.	Total Requirement of Water in KLD	Dust Suppression	10
			Domestic	2
			Other	-
			Total	12
23	Storm water management plan		-	
24	Any other information specific to the project (Specify)		-	

The proposal was placed before the 231st meeting held on 25-9-2019 for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the meeting to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh sand quarry lease in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Departments and applied for land conversion order and also he has stated that the quarry plan has also been got approved from the DMG. The project is located at a distance of 50 meters from Chikkahagri Nala. The average top level of the sand block is 547 meters and dry weather flow(bed level) of the nala is 542 meters. The depth of mining is 3.0 meters and the proponent has stated that he will take up mining subdividing the mining block into five sub blocks and taking up mining in each block every year. Taking this into consideration the proposed quantity of 52,837 cum or 84,539 tons for a plan period of five years can be mined safely and scientifically.

The proponent has also stated that there is a existing cart track road which ends up at 50 meter from the lease area and the balance 50 meter require to connect the lease area to all weather road will be built on the private land which belongs to proponent himself. The proponent has also stated that he will establish a stock yard on the untackled portion of the lease area. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The proponent has also submitted combined sketch prepared by the DMG wherein it has stated that there are three leases including this and in which DMG has certified that EC for other two leases have not yet been obtained within the 500 meter radius from the lease area but the committee felt that this has to be ascertained with SEIAA.

As far as CER is concerned the proponent has stated that he has earmarked Rs.8.50 lakhs for a plan period of five years to take up plantation on either side of the Chikkahagri nala and also to convert the quarry pit into a rain water harvesting pond providing suitable slope protection measures.

The committee after discussion and deliberation decided to recall the proposal for want of details from SEIAA.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

231.5 Proposed Building Stone Quarry Project at Sy.No.40/B of Chattanahalli Village, Arasikere Hobli, Harappanahalli Taluk, Davanagere District (2-00 Acres) **By Sri A. Siddalingappa (SEIAA 552 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION

1	Name & Address of the Project Proponent	Sri A Siddalingappa S/o Anajigere Revappa, Pothalakatte, Harapanahalli Taluk, Davanagere District Karnataka.
2	Name & Location of the Project	"Building Stone Quarry" of Sy No: 40/B, Chattanahalli Village, Arasikere Hobli, Harappanahalli Taluk, Davanagere District, Karnataka.
3	Co-ordinates of the Project Site	Corner Pillar / Latitude / Longitude BP-A / N 14° 32' 07.7" / E 76° 00' 59.2" BP-B / N 140 33' 09.8" / E 76° 00' 03.2" BP-C / N 140 33' 07.8" / E 76° 00' 03.2" BP-D / N 140 33' 05.6" / E 76° 00' 59.0"
4	Type of Mineral	**Building StoneQuarry**
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	PattaLand
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	0.809Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building Stone Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	95,758 TPA(Aggregate)
14	Quantity of Topsoil/Over burden in cubic meter	Top soil in the quarrying lease area which would be utilizedfor afforestation in the green belt area and agricultural purpose
15	Mineral Waste Handled (Metric Tons/ CUM)	1954 TPA
16	Project Cost (Rs. In Crores)	0.74crores

17	Environmental Sensitivity			
	a.	Nearest Forest	Uchchngidurga Reserved Forest -0.45 Kms (N)	
	b.	Nearest Human Habitation	Chattanahalli Village-4.8Kms(SE)	
	c.	Educational Institutes, Hospital	Davanagere -12.00 kms (SW)	
	d.	Water Bodies	Hiremegalakere Lake-5.05 Km (SW)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006		--	
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	1-08	
	b.	Waste Dumping Area	0-02	
	c.	Top Soil Storage Area	0-00	
	d.	Mineral Storage Area	0-06	
	e.	Infrastructure Area	0-00	
	f.	Road Area	0-02	
	g.	Buffer Zone	0-22	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanised Method Open quarrying	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	8.7KLD
			Domestic	0.4 KLD
			Other	0.9KLD
			Total	10.0 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and

clarification/additional information provided during the meeting. As seen from the combined sketch there are six other leases including this lease and combined area of these leases comes to 10.99 Acres and which is being less than the threshold limit of 5 Ha. , the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The committee noted that this is a fresh lease involving building stone mining in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and also obtained land conversion order. The lease has been notified on 28-8-2018.

As seen from the quarry plan there is a level difference of 7 meters within the mining area and taking this into consideration the committee opined that 35% of the proposed quantity of 1,79,995 cum or 4,78,789 tons can be mined safely and scientifically to a quarry pit depth of 12 meters for a plan period of five years.

He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 340 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.6.00 lakhs to take up rejuvenation of Bevinahalli kere which is at a distance of 2 KM. from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

Deferred EIA Proposal

231.6 Proposed Sondenahalli Iron Ore Mining(M.L.No.2175) at Sy.No.37(Part) and 41 (Part) Sondenahalli Village of Chikkanayakanahalli Taluk, Tumkur District **by M/s. Tumkur Minerals Pvt Ltd., (SEIAA 64 MIN (VIOL) 2018)**

Sl. No	PARTICULARS	INFORMATION

1	Name & Address of the Project Proponent	Tumkur Minerals Pvt. Ltd. No.-2, "Shiva Nilaya", 1st Floor, Near Saw Mill, Banasandra Road, K B Cross, Tiptur Taluka, Tumkur District, karnataka
2	Name & Location of the Project	Sondenahalli Iron Ore Mine (M.L. 2175) At Sy No. 37 (part) and 41 (part), Sondenahalli village of Chikkanayakanhalli Taluk, Tumkur district.
3	Co-ordinates of the Project Site	Latitude & Longitude of all corner boundary point/ pillars LBS - A: N 13° 21′ 57.63107″; E 76° 42′ 03.47099″ LBS - B: N 13° 21′ 23.02287″; E 76° 42′ 18.11179″ LBS - C: N 13° 21′ 23.74449″; E 76° 42′ 15.43868″ LBS - D: N 13° 21′ 25.49564″; E 76° 41′ 50.82524″ LBS - E: N 13° 21′ 59.53624″; E 76° 41′ 49.74653″ LBS - F: N 13° 22′ 00.35111″; E 76° 42′ 00.17973″
4	Type of Mineral	Iron Ore Mine
5	New / Expansion / Modification / Renewal	Extension of validity of EC (M.L. No. 2175)
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Revenue Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	64.35 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's Iron Ore Mining Project
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	945.5 MSL is the existing pit level
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	60,000 Tonnes/Annum
14	Quantity of Topsoil/Over burden in cubic meter	It is an Iron Ore Mining Project
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	1,18,643cu.m of waste will be generated in the proposed plan period.

16	Project Cost (Rs. In Crores)		2 Crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	Tirtharampura Reserved Forest – 812 meter North	
	b.	Nearest Human Habitation	Muskondi – 2.6 kms - East	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated inSondenahalli.	
	d.	Water Bodies	Kondli Village Tank – 3.5 kms	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006			
19	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	8.33	
	b.	Waste Dumping Area	6.16	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	4.49	
	e.	Infrastructure Area	0.61	
	f.	Road Area	0.75	
	g.	Green Belt Area/Buffer Zone	6.29	
	h.	Unexplored area	Nil	
	i.	Others Specify (Afforestation)	Nil	
20	Method of Mining/ Quarrying		Fully Mechanized Method	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Drinking water : Tanker from the village Dust Suppression: Tanker from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	160 KLD
			Domestic	5 KLD
			Other	15 KLD (plantation)
			Total	180 KLD
23	Storm water management plan		R&R plan is enclosed.	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent and Environment consultant attended the 212th meeting held on 20th November 2018 to provide required clarification and additional information The committee observed that the mining lease was awarded initially for this project in the year 1993 for 20 years in the name of H. Noor Ahmed. The mining plan was approved by IBM in the year 2004 and validity was for five years. Subsequently public hearing was held on 15-3-2005 in order to obtain EC. The EC was granted in the year 7-2-2006 for a production quantity of 0.403 MTPA. The total mineable reserve estimated was 24,18,000 tons and the proponent has mined 16,71,201 tons till the time when blanket

ban was imposed by the Hon'ble Supreme court. The mining activity is not being carried out from the date of blanket ban to till today. The Hon'ble Supreme Court appointed CEC has categorized this mine under "B" category and a fine of Rs.17,57,00,000 was levied and the same was paid by the proponent on 23-10-2013. The R & R plan was prepared by ICFRE and approved by CEC and CEC has imposed restriction on the production and permitted 0.06 MMTPA.

The proponent has not produced complete details of R & R compliance and he has agreed to come back for the next meeting with all the details. Hence the committee has decided to defer the proposal.

The proponent has not submitted the R&R compliance. However the subject was placed before the 214th meeting held on 28th December 2018.

The proponent has appeared before the committee on 28-12-2018 i.e 214th SEAC meeting and he has produced a letter dated:22-10-2018 addressed by the Chairman, Monitoring committee to the Chairman, Central Empowered committee(CEC) and the same was obtained by making out an application under RTI in which the monitoring committee has stated that the R&R works pertaining to this project were found to have been executed satisfactorily. In view of the above the committee decided to proceed with the appraisal.

As seen from the above the lease period of the mining was expired during the year 2013 for this the proponent has stated that he has made out an application for the extension of lease period with the modified mining plan approved by IBM restricting the mining quantity to 0.06 MTPA as restricted by the CEC. In response to this, Secretary to Govt., (Mines & MSME), Commerce and Industries Department has issued a letter dated: 16-3-2015 to the proponent stating that the lease period in principle gets extended upto 10-11-2043 as per amended MMDR Act dated:12-1-2015 and the letter also directs the proponent to use this communication to obtain the statutory clearances like EC etc.,

The proponent has stated that he has obtained EC dated: 7-2-2006 as per the EIA Notification 1994 conducting public hearing and following all the prescribed procedures and he has also requested to exempt him one more public hearing since the production quantity has been got drastically reduced from 0.403 MTPA to 0.06 MTPA i.e., about 15% of the earlier quantity and he further requested to utilize the baseline studies he is carrying out regularly for submission of the same to the Regional office, MoEF for the preparation of EIA report.

However, the committee after discussion/deliberation decided to conduct site inspection for assessing the ground realities of the project and to issue any additional ToRs after site inspection which has been scheduled on 9th & 10th January 2018.

Accordingly the SEAC team has visited the Project site on 10-1-2019. Site visit report was placed before the committee for deliberation and committee approved the report.

However, during the meeting it was brought to the notice of the committee to appraise the proposal in accordance with MoEF & CC, GoI Notification dated:6-4-2018 issued in view of Hon'ble Supreme Court orders dated:2-8-2017 and 7-2-2018 where it is said that the validity of the EC issued under 1994 Notification is only for five years

As regards the requet made by the proponent about the adoption of data that is being collected regularly and also about the exemption from public hearing, the committee opined that since public hearing has been conducted already for higher quantity of production.

In view of the fact that the public hearing is already being conducted for higher quantity the committee opined to permit him to utilize the regular data which is being collected and also to recommend for exemption from public hearing.

The committee after discussion decided to forward the proposal to SEIAA for issue of Standard ToRs and Site Specific additional ToRs to conduct the EIA studies by utilizing one month baseline data in accordance with the EIA Notification 2006 and exempted the project from public Hearing. The committee also opined in the light of the above facts that the above mine leases will not come under violation category and hence recommended for delisting the same from violation category.

1) Details to stabilize rain cuts in the stabilized dumps wherever necessary has to be worked out and submitted.
2) Improvements to connectivity road in order to reduce the environment impact to the surroundings may be detailed and submitted.
3) Details to improve haulage road and the steps that are to be taken to limit the haulage capacity within the stipulated quantity by CEC.
4) Quantification of the different grade of minerals stocked separately as per standards.
5) Details to utilize the entire water runoff after silting tanks may be worked out and submitted in order to conserve water.
6) Ground water potential survey may be conducted as the proponent is depending on the groundwater source for its operation.
7) Air dispersion study for the screening operations may be conducted.

Accordingly ToRs were issued on 30-1-2019. The proponent has submitted the EIA report vide letter dated:21-5-2019 and the same is placed before the committee.

The proponent was invited for the 225th meeting held on 26-6-2019 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion decided to defer the proposal.

The proponent was invited for the 231st meeting held on 25-9-2019. The proponent and Environment consultant attended the meeting to present the EIA report.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan, EIA Report and clarification/additional information provided during the meeting.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs to take up sanitary, water supply afforestation in Govt. Independent Junior College, Chikkanayakanahalli.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

Fresh subjects:

231.7 Proposed Grey Granite Quarry Project at Sy.No.9 of Gudshihalli Village, Chikkaballapura Taluk, Chikkaballapura District (Q.L.No.17) District (4-00 Acres) **By M/s. Sunrise Minerals (SEIAA 553 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**M/s. Sunrise Minerals** No.2 & 3 Channakesava Complex Opposite to Vijaya Bank Kottanuru Hennuru - Bengaluru Main Road Bengaluru, Karnataka		
2	Name & Location of the Project	Grey Granite Quarry in 4-00 of Govt.Land bearing Sy. No.09 in Gudshihalli Village, Chikkaballapura Taluk & District, Karnataka		
3	Co-ordinates of the Project Site	C.P	Latitude	Longitude
		A	N13°36'45.02"	E77°41'49.78"
		B	N13°36'46.10"	E77°41'56.90"
		C	N13°36'49.90"	E77°41'55.99"
		D	N13°36'45.90"	E77°41'49.59"
4	Type of Mineral	Grey Granite		
5	New / Expansion / Modification / Renewal	Renewal QL.No.17		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	1.61		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed in case of River sand	NA		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining	NA		

	guideline 2016			
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		NA	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		5,222Cum/Annum	
14	Quantity of Topsoil/Over burden in cubic meter		None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		12,184Cum/Annum	
16	Project Cost (Rs. In Crores)		0.45	
17	Environmental Sensitivity			
	a.	Nearest Forest	Narasimhadevarabetta R.F-1.18 Km W-SW	
	b.	Nearest Human Habitation	Gudshihalli - 1.0 Km	
	c.	Educational Institutes, Hospital	Chikkaballapura – 26 Km	
	d.	Water Bodies	Alagadahalli Kere-3.32 KM N Bairasagara Kere-4.14 Km N-NE Mandikal Kere-4.2 Km E-SE Doddihalli Kere-3.0 Km SE Noduvalahalli Kere-6.59 Km NE Kamaganapalli -8.78 Km E-SE Kambalahalli Kere-9.64 Km SW Middulu Kere-7.73 Km W-NW	
	e.	Other Specify	-	
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Acres			
	a.	Quarry working	2-00	
	b.	Waste Dumps/Mineral storage	0-29	
	c.	Roads/ Infrastructure	0-01	
	d.	Buffer Zone	1-00	
	e.	Unexplored Area	0-10	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	4.60 KLD
			Domestic	0.70 KLD
			Other	3.20 KLD

			Total	8.50 KLD
23	Storm water management plan	Will be carried out.		
24	Any other information specific to the project (Specify)	None		

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The lease for this proposal was granted during the year 2009 for mining building stone. The proponent has stated that no mining activity has been carried out between 2009 to 2014 for which he has submitted audit report prepared by DMG. Now this proposal has been changed from mining building stone to mining ornamental stone and it has been notified on 4-7-2019. As seen from the quarry plan there is a level difference of 100 meters and taking this into consideration the proposed gross quantity of 87,030 cum can be mined safely and scientifically. The proponent has stated that the recovery is 30% in the form of commercial blocks and 70% waste, out of which 90% will be converted to building stone.

As per the cluster sketch prepared by DMG there are seven leases including this lease within 500 meter radius from this lease and the leases for all these proposals were granted prior to 9-9-2013 and hence exempted from cluster effect. The proponent has also stated that the project does not fall within the 10 KM radius from National park/Wildlife sanctuary.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 1 KM connecting the lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs for a plan period of five years to take rejuvenation of Doddihalli kere which is at a distance of 3.0 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.8 Proposed Expansion of Building Stone Quarry Project at Sy.No.1(P) of Handala Kuppe Village, Kunigal Taluk, Tumkur District (Q.L.No.637) (5-00 Acres) **By M/s. Venkateshwara Stone Crushers (SEIAA 554 MIN 2019)**

The proponent was invited for the 231th meeting held on 25-9-2019 to provide required clarification. The proponent remained absent without intimation.

The Committee decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

231.9 Proposed Building Stone Quarry Project at Sy.No.20/P of Hattihalu Village, Honnali Taluk, Davanagere District (Q.L.No.468) (2-00 Acres) **By M/s. Sri Durga Stone Quarry Works (SEIAA 555 MIN 2019)**

The proponent was invited for the 231th meeting held on 25-9-2019 to provide required clarification. The proponent remained absent without intimation.

The Committee decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

231.10 Proposed Grey Granite Quarry Project at Sy.No.9 of Gudshihalli Village, Chikkaballapura Taluk & District (Q.L.No.18) (2-16 Acres) **By M/s. Sunrise Minerals (SEIAA 556 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**M/s. Sunrise Minerals** No.2 & 3 Channakesava Complex Opposite to Vijaya Bank Kottanuru Hennuru - Bengaluru Main Road Bengaluru, Karnataka		
2	Name & Location of the Project	Grey Granite Quarry in 2-16 of Govt.Land bearing Sy. No.9 in Gudshihalli Village, Chikkaballapura Taluk & District, Karnataka		
3	Co-ordinates of the Project Site	C.P	Latitude	Longitude
		A	N13°36'38.22961"	E77°41'48.66571"
		B	N13°36'41.34248"	E77°41'47.95359"
		C	N13°36'40.80733"	E77°41'45.59644"

		D	N13°36'38.42265"	E77°41'45.23801"
		E	N13°36'38.29174"	E77°41'44.83198"
		F	N13°36'37.20140"	E77°41'45.01153"
		X	N13°36'28.27952"	E77°41'47.74609"
4	Type of Mineral	Grey Granite		
5	New / Expansion / Modification / Renewal	New Quarry		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	0.962		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed in case of River sand	NA		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	NA		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	2,651Cum/Annum		
14	Quantity of Topsoil/Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	6,185 Cum/Annum		
16	Project Cost (Rs. In Crores)	0.30		
17	Environmental Sensitivity			
	a. Nearest Forest	Narasimhadevarabetta R.F-930m W-SW		
	b. Nearest Human Habitation	Gudshihalli – 1.0 Km		
	c. Educational Institutes, Hospital	Chikkaballapura – 26 Km		
	d. Water Bodies	Alagadahalli Kere-3.55 KM N Jigamahalli Kere-3.73 Km E-NE Bairasagara Kere-4.46 Km N-NE Mandikal Kere-4.28Km E-SE Puvujenahalli Kere-9.35 Km NE Kamaganapalli -8.89 Km E-SE Guttenahalli Kere-9.35 Km SW Middulu Kere-7.55 Km W-NW		

			Kottapalli Cheruvu-9.59 Km N-NW	
	e.	Other Specify	-	
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Acres			
	a.	Quarry working	1-22	
	b.	Waste Dumps/Mineral storage	0-00	
	c.	Roads/ Infrastructure	0-24	
	d.	Buffer Zone	0-02	
	e.	Unexplored Area	0-08	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	3.60 KLD
			Domestic	0.70 KLD
			Other	2.70 KLD
			Total	7.00 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that the lease for this proposal was granted during the year 2009 for mining building stone. The proponent has stated that no mining activity has been carried out between 2009 to 2014 for which he has submitted audit report prepared by DMG. Now this proposal has been changed from mining building stone to mining ornamental stone and it has been notified on 4-7-2019. The proposal has been got vetted by the District Task Force wherein representatives from Forest Dept., Revenue Dept., and Mines and Geology Dept., were present. As seen from the quarry plan there is a level difference of 54 meters and taking this into consideration the proposed gross quantity of 44,180 cum can be mined safely and scientifically. The proponent has stated that the recovery is 30% in the form of commercial blocks and 70% waste, out of which 90% will be converted to building stone.

As per the cluster sketch prepared by DMG there is seven leases including this lease and the leases for all these proposals were granted prior to 9-9-2013 and hence exempted from cluster effect. The proponent has also stated that the project does not fall within the 10 KM radius from National park/Wildlife sanctuary.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 1 KM connecting the lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs for a plan period of five years to take rejuvenation of Doddihalli kere which is at a distance of 3.0 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.11 Proposed Grey Granite Quarry Project at Sy.No.106/4 of Yediyapur Village, Yelburga Taluk, Koppal District (1-10 Acres) **By Sri Aravind S. Patil (SEIAA 557 MIN 2019)**

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri Aravind S.Patil S/o Sri Shivashanappagouda Patil, Bandi Road, Koppal-583 231 Koppal Taluk & District
2	Name & Location of the Project	Yediyapur Grey Granite Quarry QL.Applied, in 1-10 Acres(0.51 Ha) Sy.No. 106/4, Patta Land, Yediyapur Village, Yelburga Taluk, Koppal District,
3	Co-ordinates of the Project Site	Topo sheet No 57 A/2 Latitude:N 15^0 30' 29.3" to N 15^0 30' 30.5" Longitude:E 76^0 02' 59.9" to E 76^0 03' 07.0"
4	Type of Mineral	Ornamental Stone
5	New / Expansion / Modification / Renewal	New
6	Type of Land(Forest, Government Revenue, Gomal,Private/Patta, Others	Patta Land
7	Whether the project site fall within ESZ	NO

	/ ESA		
8	Area in Ha.		0.51 Ha
9	Actual Depth of sand in the lease area in case of River Sand		NA
10	Depth of Sand proposed to be removed		NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guide line 2016.		NA.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		Fresh grant, Small Old pit of 0.098 Ha
13	Annual Production Proposed (Metric Tons/CUM)/Annum		1,000 Cum/Annum
14	Quantity of Top Soil / Over burden in cubic meter		1485.2 Cum
15	Mineral Waste to be handled(Metric tonnes / CUM)/Annum		1,500 Cum/Annum
16	Project Cost (in Crores)		0.20 Crore
17	Environmental Sensitivity		
	a.	Nearest Forest	No Reserve Forest within 15.0 kms.
	b.	Nearest Human Habitation	Yediapur Village -1.29 kms NE
	c.	Institutes, Hospital	Kukanur- 5.65 kms SW
	d.	Water Bodies	Seasonal Hire Hlla-1.61 kms NE
	e.	Others Specify	--
18	Applicability of General Condition of the EIA Notification, 2006.		--
19	Details of Land Use in Acres		
	a.	Area for Mining /Quarrying	0.529 Acres (0.216 Ha)
	b.	Waste Dumping Area	0.184 Acres (0.075 Ha)
	c.	Top Soil Storage Area	--
	d.	Mineral Storage Area	--
	e.	Infrastructure Area	--
	f.	Road Area	0.083 Acres (0.034 Ha)
	g.	Green Belt Area/Buffer Zone	0.454Acres (0.185 Ha)
	h.	Unexplored Area	0.000
	i.	Others Specify	--
		Total	1.250 Acres (1-10 Acres) (0.51Ha)
20	Method of Mining / Quarrying		Open Cast Other Than Fully Mechanised Method (OTFM)
21	Rate of replenishment in case of River		NA

	Sand Project			
22	Water Requirement			
	a.	Source of water	Borewell from nearby Village	
	b.	Total Requirement of Water in KLD	Domestic	0.72 KLD
			Gardening	1.00 KLD
			Dust Suppression	1.50 KLD
			Total	3.22 KLD
23	Storm water management plan		Drains will be constructed along the lease boundary & Check Dam at the end of the drain to contain the silt and sediments.	
24	Any other information specific to the project(Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. This is a proposal involving ornamental stone mining in patta land. The proponent has stated that the project has been cleared by the District Task Force consisting representative of DMG, Revenue Dept., Forest Department. He has also stated that this lease is adjacent to the another existing lease which stands in the name of same proponent, hence the DMG has approved the quarry plan without buffer zones in the common boundary. In the said lease area a portion has already been operated unauthorisely and according to pit measurement the total quantity already extracted comes to 1000 cum. Taking this into consideration the committee opined that the proposed quantity of 12,500 cum for a plan period of five years can be mined safely and scientifically to a quarry pit depth of 8 meters. The proponent has stated that the recovery is 40% and waste is 60% and for waste handling the proponent has stated he has earmarked 7.5 guntas of land.

As per the cluster sketch prepared by DMG there is one another quarry the combined area of these two leases is 2 Acres 21 guntas and this being less than the threshold limit of 5 Ha the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 60 meters connecting to the adjacent quarry which

stands in the proponents name and the same will be utilized for haulage of materials from this quarry also.

As far as CER is concerned the proponent has stated that he has earmarked Rs.5.00 lakhs for a plan period of five years to take up improvement of works in connection with Benekal kere which is a distance of 5.3 KM from the project site.

The committee after discussion decided to reconsider after submission of forest clearance issued from the competent authority

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

231.12 Proposed Building Stone Quarry Project at Sy.No.167(P) of Unnibhavi Village, Basavanabagewadi Taluk, Vijayapu District (3-07 Acres) **By Sri Ashok B Reshmi (SEIAA 558 MIN 2019)**

<table>
<tr><th>Sl. No</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Sri Ashok B Reshmi
Araldinni
Basavanabagewadi Taluk
Vijaypur District
Karnataka-586213.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>UnnibaviVillage
Basavanabagewadi Taluk
Vijaypur District, Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><th>Point No.</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>N17°26'24.7"</td><td>E075°54'21.0"</td></tr><tr><td>B</td><td>N17°26'29.1"</td><td>E075°54'20.6"</td></tr><tr><td>C</td><td>N17°26'28.9"</td><td>E075°54'17.7"</td></tr><tr><td>D</td><td>N17°26'23.7"</td><td>E075°54'18.1"</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone.</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Private Land.</td></tr>
<tr><td>7</td><td>Whether the project site fall with in ESZ/ESA</td><td>No</td></tr>
<tr><td>8</td><td>Area in Ha</td><td>3 A-07 G (1.28 Ha) Sy No:167(p)</td></tr>
<tr><td>9</td><td>Actual Depth of building stone</td><td>Depth of building stone in Private land -20mt(</td></tr>
</table>

	in the lease area /Patta Land building stone		from top level).	
10	Depth of building stone proposed to be removed		Depth of building stone proposed-15 mt (from Surface level)	
11	Annual Production Proposed (Metric Tons/ CUM) / Annum		60212 TPA,05 years-301060 tons	
12	Quantity of Topsoil/Over burden in cubic meter		Waste-3169 tons/annum.05 years-15845 tons	
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		Nil	
14	Project Cost (Rs. In Crores)		35 Lakh	
15	Environmental Sensitivity			
	a.	Nearest Forest	Nil with in 5km.	
	b.	Nearest Human Habitation	Unnibavi -1.0 km	
	c.	Educational Institutes, Hospital	Basavanabagewadi -10 km	
	d.	Water Bodies	Parvatakatti Halla-3 km.	
	e.	Other Specify	Nil	
16	Applicability of General Condition of the EIA Notification, 2006			
17	Details of Land Use in A-G			
	a.	Area for Mining/ Quarrying	2-16	
	b.	Road Area	0-01	
	c.	Others Specify Safety Zone	0-30	
		Total	3-07 Acre (1.28Ha)	
18	Method of Mining/ Quarrying		Semi Mechanised Quarrying	
19	Water Requirement			
	a.	Source of water	Near By Own Borwell.	
	b.	Total Requirement of Water in KLD	Dust Suppuration	6.0
			Domestic	1.5
			Other,Plantation	2.5
			Total	10.0
20	Storm water management plan		--	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving building stone mining in patta land. The

proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and also obtained land conversion order. The lease has been notified on 26-6-2019.

As seen from the quarry plan there is a level difference of 7 meters within the mining area and taking this into consideration the committee opined that the proposed quantity of 1,13,180 cum or 3,01,060 tons can be mined safely and scientifically to a quarry pit depth of 12 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are two other leases within 500 meter from this lease area for which EC was issued before 15-1-2016 and exempted from cluster effect and the area of this being less than the threshold limit of 5 Hectares, the committee decided to categorise this proposal under B2 category and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 300 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.6.00 lakhs to take up rejuvenation of Parvathakatte halla which is at a distance of 2 KM. from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.13 Proposed Building Stone Quarry Project at Sy.No.41 of Thoralakki Village, Malur Taluk, Kolar District (Q.L.No.872) (3-15 Acres) **By M/s. Vengamamba Stone Crusher (SEIAA 559 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s Vengamamba Stone Crusher, Mr Anoop Mathew Josheph, Thoralakki Village,Malur Taluk, Kolar District,Karnataka-563130
2	Name & Location of the Project	"Building Stone Quarry" Sy. No:41, Thoralakki Village, Malur Taluk, Kolar District, Karnataka.

3	Co-ordinates of the Project Site	<table><tr><th>Corner Pillar</th><th>Latitude</th><th>Longitude</th></tr><tr><td>BP-A</td><td>N 12° 55'10.76"</td><td>E 78° 4'51.47"</td></tr><tr><td>BP-B</td><td>N 12° 55'11.35"</td><td>E 78° 4'49.11"</td></tr><tr><td>BP-C</td><td>N 12° 55'16.06"</td><td>E 78° 4'51.54"</td></tr><tr><td>BP-D</td><td>N 12° 55'15.37"</td><td>E 78° 4'47.67"</td></tr><tr><td colspan="3">Datum WGS-84</td></tr></table>
4	Type of Mineral	**Building Stone Quarry**
5	New / Expansion / Modification / Renewal	Existing (QL No - 872)
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	1.365 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	It's a Building Stone Quarry
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building Stone Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh Land
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	1,30,445 Tons/annum
14	Quantity of Topsoil/Over burden in cubic meter	As per the proposed quarryingprogramme over five year, no generation of top soil, however if any small quantitygenerated it will be stocked & used for afforestation purposes.
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	2,662 TPA
16	Project Cost (Rs. In Crores)	0.76 crores
17	Environmental Sensitivity	
	a. Nearest Forest	None Within 5kms
	b. Nearest Human Habitation	Thoralakki -0.66Kms(S)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Malur – 17 Km (NW)
	d. Water Bodies	Thoralakki Pond-0.42Kms(S)
	e. Other Specify	--
18	Applicability of General	

	Condition of the EIA Notification, 2006			
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	2-20	
	b.	Waste Dumping Area	0-05	
	c.	Mineral Storage Area	0-05	
	d.	Infrastructure Area	0-01	
	e.	Road Area	0-00	
	f.	Buffer Zone	0-24	
	g.	Unexplored area	---	
	h.	Others Specify	---	
20	Method of Mining/ Quarrying		Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	8.02 KLD
			Domestic	1.57 KLD
			Other	1.2 KLD
			Total	10.8 KLD
23	Storm water management plan		• Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a existing lease involving building stone mining in government land. The lease for the same was granted earlier in the year 2008 and as per the audit report the mining activity has been carried out from 2011 to 2014 and quantity mined is 4,750 tons or 1,785 cum.

As seen from the quarry plan there is a level difference of 11 meters within the mining area and taking this into consideration and also the fact that he has already mined 4,750 tons or 1,785 cum the committee opined that 60% of the proposed quantity

of 2,45,196 cum or 6,52,223 tons can be mined safely and scientifically to a quarry pit depth of 15 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are no other leases within the 500 meter radius from this lease and area of this lease being less than the threshold limit of 5 Hectares, the committee decided to categorise this proposal under B2 category and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 220 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.8.00 lakhs to take up rejuvenation of Markandakere which is at a distance of 500 meters from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.14 Proposed Pink Granite Quarry Project at Sy.No.133/2 of Hire Kodagali Village, Hungund Taluk, Bagalkot District (3-11 Acres) **By Smt. Chandrabhag Laxman Badiger (SEIAA 560 MIN 2019)**

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Smt. Chandrabhag Laxman Badiger Kulkarni Peth, Behind Sajjan School, Ward No.2, Ilkal-587 125, Hungund Taluk, Bagalkot District
2	Name & Location of the Project	Hire Kodagali Pink Granite Quarry QL.Area Applied in 3-11 Acres(1.33 Ha) Sy.No. 133/2, Patta Land,Hire Kodagali Village, Hungund Taluk, Bagalkot District
3	Co-ordinates of the Project Site	Topo sheet No 57 A/1 Latitude:N 15^0 53' 50.7" to N 15^0 53' 55.8" Longitude: E 76^0 08' 25.1"to E 76^0 08'30.8"

4	Type of Mineral		Ornamental Stone
5	New / Expansion / Modification / Renewal		New
6	Type of Land(Forest, Government Revenue, Gomal,Private/Patta, Others		Patta Land
7	Whether the project site fall within ESZ / ESA		NO
8	Area in Ha.		1.33 Ha
9	Actual Depth of sand in the lease area in case of River Sand		NA
10	Depth of Sand proposed to be removed		NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guide line 2016.		NA.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		Fresh grant, No Quarry Pit
13	Annual Production Proposed (Metric Tons/CUM)/Annum		2,000 Cum/Annum
14	Quantity of Top Soil / Over burden in cubic meter		13,335 Cum
15	Mineral Waste to be handled(Metric tonnes / CUM)/Annum		6,000 Cum/Annum
16	Project Cost (in Crores)		0.25 Crore
17	Environmental Sensitivity		
	a.	Nearest Forest	No Reserve Forest within 10.0 kms.
	b.	Nearest Human Habitation	Hire Kodagali Tanda -1.47 kms NW
	c.	Institutes, Hospital	Ilkal-6.51 kms NW
	d.	Water Bodies	Ilkal Halla-5.39 kms West
	e.	Others Specify	--
18	Applicability of General Condition of the EIA Notification, 2006.		--
19	Details of Land Use in Acres		
	a.	Area for Mining /Quarrying	1.647 Acres (0.669 Ha)
	b.	Waste Dumping Area	0.739 Acres (0.300 Ha)
	c.	Top Soil Storage Area	--
	d.	Mineral Storage Area	--
	e.	Infrastructure Area	0.007 Acres (0.003 Ha)
	f.	Road Area	0.114 Acres (0.046 Ha)

	g.	Green Belt Area/Buffer Zone	0.463Acres (0.188 Ha)	
	h.	Unexplored Area	0.305 Acres (0.124 Ha)	
	i.	Others Specify	--	
		Total	3.275 Acres(3-11 Acres) (1.330 Ha)	
20	Method of Mining / Quarrying		Open Cast Other Than Fully Mechanised Method (OTFM)	
21	Rate of replenishment in case of River Sand Project		NA	
22	Water Requirement			
	a.	Source of water	Borewell from nearby Village	
	b.	Total Requirement of Water in KLD	Domestic	0.99 KLD
			Gardening	1.00 KLD
			Dust Suppression	1.50 KLD
			Total	3.49 KLD
23	Storm water management plan		Drains will be constructed along the lease boundary & Check Dam at the end of the drain to contain the silt and sediments.	
24	Any other information specific to the project(Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form-I, prefeasibility report, approved mining plan and clarification/information provided during the meeting. This is a proposal involving ornamental stone mining in patta land. The proponent has stated that the project has been cleared by the District Task Force consisting representative of DMG, Revenue Dept., Forest Department and land conversion order is also obtained. As per the quarry plan there is a level difference of 3 meters within the mining area and taking this into consideration the committee opined that the proposed gross quantity of 40,000 cum for a plan period of five years can be mined safely and scientifically to a quarry pit depth of 8 meters. The proponent has stated that the recovery is 25% and waste is 75% and for waste handling the proponent has stated that he has earmarked 30 guntas of land.

As per the cluster sketch prepared by DMG there is one another quarry within 500 meter radius from this lease area the combined area of these two leases is 8 Acres 11 guntas and this being less than the threshold limit of 5 Ha the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly. However the extended combined sketch is not forthcoming for which the proponent

has stated that there are no other leases within the 500 meter extended area and he will submit the same.

As far as approach road is concerned the proponent has stated that there is an existing cart track road connecting the other quarry which is just 10 meters from this quarry connecting lease areas to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.5.00 lakhs for a plan period of five years to take up water supply, sanitation and plantation in the Govt school at Hirekodagali village which at 1.50 KM.

As the proponent has not submitted the extended cluster sketch for which the proponent agreed to submit the same.

Hence, the committee after discussion decided to reconsider after submission of the extended cluster sketch.

Action: Secretary, SEAC to put up the proposal before SEAC after submission of the above information.

231.15 Proposed Building Stone Quarry Project at Sy.No.377(P) of Galataga Village, Chikkodi Taluk, Belagavi District (2-00 Acres) **By Sri Ashok Babasaheb Chougule(SEIAA 561 MIN 2019)**

<table>
<tr><th>Sl. No</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Sri. Ashok BabasahebChougule
Vijaya Building (near bus stop)
Galataga, Chikkodi,
Belagavi - 591219</td></tr>
<tr><td>2</td><td>Name & Location of the project</td><td>377 (P)
Galataga Village,
Chikkodi Tq,
Belagavi Dist.</td></tr>
<tr><td>3</td><td>Coordinates of the project site</td><td><table><tr><th>Points</th><th>Longitude</th><th>Latitude</th></tr><tr><td>A</td><td>E-74^{0}29' 34.0"</td><td>N-16^{0}29' 34.5"</td></tr><tr><td>B</td><td>E-74^{0}29' 32.2"</td><td>N-16^{0}29' 35.0"</td></tr><tr><td>C</td><td>E-74^{0}29' 33.6"</td><td>N-16^{0}29' 39.4"</td></tr><tr><td>D</td><td>E-74^{0}29' 35.5"</td><td>N-16^{0}29' 39.0"</td></tr><tr><td>X</td><td>E-74^{0}29' 35.5"</td><td>N-16^{0}29' 34.3"</td></tr></table></td></tr>
<tr><td>4</td><td>Type of mineral</td><td>Building Stone</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
<tr><td>6</td><td>Type of land (Forest, Governemnt Revenue, Gomal, Private / patta, Other)</td><td>Govtland</td></tr>
<tr><td>7</td><td>Whether the project site fall within</td><td>No</td></tr>
</table>

	ESZ / ESA		
8	Area in Ha		0.809 Ha
9	Actual depth of sand in the lease area in case river sand		NA
10	Depth of sand proposed to be removed		NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016		NA
12	Measurements of the existing quarry pits in case of ongoing / expansion/ modification of the mining proposals other than river sand		NA (Fresh area)
13	Annual production proposed (Metric tons / CUM) / Annum		30000 TPA
14	Quantity of top soil / over burden in cubic meter		Nil
15	Mineral waste handled (metric tons / CUM) / Annum		615 TPA
16	Project cost (Rs. in crore)		0.60
17	Environment sensitivity		
	a.	Nearest forest	Reserve forest – 2.716kms
	b.	Nearest human habitation	Galataga–2.00 km
	c.	Educational institutions, hospital	Galataga–2.00 km
	d.	Water bodies	R. Veda ganga – 5.11 Kms (W)
	e.	Others specify	NA
18	Applicability of General Condition of the EIA Notification, 2006		
19	Details of land use in acres		
	a.	Area for mining / quarrying	0.505
	b.	Waste dumping area	0.027
	c.	Top soil storage area	-
	d.	Mineral storage area	-
	e.	Infrastructures area	-
	f.	Road area	-
	g.	Green belt area / buffer zone	0.277
	h.	Unexplored area	-
	i.	Others specify	-
20	Method of mining / quarrying		Semi mechanized open cast method
21	Rate of Replenishment in case River sand project		NA
22	Water requirement		
	a.	Source of water	Borewell

	b.	Total requirement of water in KLD	5 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area
24	Any other information specific to the project (specify)		NA

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving mining of building stone in government land. The lease has been notified on 15-6-2019.

The proponent has stated that he has obtained NOCs from Forest, Revenue Departments.,

As seen from the quarry plan there is a level difference of 3 meters within the mining area and taking this into consideration the committee opined that the proposed quantity of 1,50,053 tons or 57,692 cum can be mined safely and scientifically to a quarry pit depth of 12 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are four leases including this lease within 500 meter radius from this lease area and combined area of these leases is 7 Acres 30 guntas and this being less than the threshold limit of 5 Hectares, the committee decided to categorise this proposal under B2 category and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 350 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.5.00 lakhs to take up rejuvenation of Shiragaon kere which is at a distance of 5.0 KM. from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.

2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.16 Proposed Building Stone Quarry Project at Sy.No.200 (P) of Ghodageri Village, Hukkeri Taluk, Belagavi District (7-00 Acres) **By Sri Shrishail Chandrappa Varji (SEIAA 562 MIN 2019)**

Sl No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. ShrishailChandrappaVarji Daneshwarinagar Ghataprabha, Gokak Belagavi
2	Name & Location of the project	200 (P) Ghodageri Village, HukkeriTq, BelagaviDist
3	Coordinates of the project site	Points / Longitude / Latitude A / E-74^0 41' 53.1" / N-16^0 09' 54.8" B / E-74^0 41' 57.0" / N-16^0 09' 54.8" C / E-74^0 41' 57.1" / N-16^0 09' 53.4" D / E-74^0 42' 01.6" / N-16^0 09' 52.7" E / E-74^0 42' 00.7" / N-16^0 09' 57.2" F / E-74^0 41' 58.1" / N-16^0 09' 57.2" G / E-74^0 41' 52.6" / N-16^0 09' 58.8"
4	Type of mineral	Building Stone
5	New / Expansion / Modification / Renewal	New
6	Type of land (Forest, Governemnt Revenue, Gomal, Private / patta, Other)	Pattaland
7	Whether the project site fall within ESZ / ESA	No
8	Area in Ha	2.83 Ha
9	Actual depth of sand in the lease area in case river sand	NA
10	Depth of sand proposed to be removed	NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	NA
12	Measurements of the existing quarry pits in case of ongoing / expansion/ modification of the mining proposals other than river sand	NA (Fresh area)

13	Annual production proposed (Metric tons / CUM) / Annum		130000 TPA
14	Quantity of top soil / over burden in cubic meter		Nil
15	Mineral waste handled (metric tons / CUM) / Annum		100000 TPA
16	Project cost (Rs. in crore)		1.00
17	Environment sensitivity		
	a.	Nearest forest	Reserve forest – 1.78kms
	b.	Nearest human habitation	Ghodageri-1.60 km
	c.	Educational institutions, hospital	Ghodageri-1.60 km
	d.	Water bodies	Hidkal reservoir – 6.53Kms (SW)
	e.	Others specify	NA
18	Applicability of General Condition of the EIA Notification, 2006		
19	Details of land use in acres		
	a.	Area for mining / quarrying	2.14
	b.	Waste dumping area	0.12
	c.	Top soil storage area	-
	d.	Mineral storage area	-
	e.	Infrastructures area	-
	f.	Road area	-
	g.	Green belt area / buffer zone	0.57
	h.	Unexplored area	-
	i.	Others specify	-
20	Method of mining / quarrying		Semi mechanized open cast method
21	Rate of Replenishment in case River sand project		NA
22	Water requirement		
	a.	Source of water	Borewell
	b.	Total requirement of water in KLD	5 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area
24	Any other information specific to the project (specify)		NA

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231st meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting.

As seen from the notified eco-sensitive zone for Ghataprabha Bird Sanctuary 171 Ha. of the village Ghodageri in Hukkeri Taluk falls within the eco-sensitive zone, for which the proponent has stated that he will come up with clarification in this regard. Hence committee decided to defer the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

26th September 2019

Members present in the meeting:

Shri. N. Naganna	-	Chairman
Dr. B. Chikkappaiah,IFS(R)	-	Member
Dr. N. Krishnamurthy	-	Member
Dr. M.I. Hussain	-	Member
Dr. K.B Umesh	-	Member
Shri M. Srinivasa	-	Member
Shri J.G Kaveriappa	-	Member
Dr. Vinod kumar C.S	-	Member
Shri. Vyshak V. Anand	-	Member
Shri. D. Raju	-	Member
Shri Mohammed Saleem I Shaikh	-	Member

EIA Subjects:

231.17 Proposed Modification in manufacturing of Bulk Drugs & Intermediates Project at Plot No.23-B, KIADB Kolhar Industrial Area, Nizampur Hobli, Bidar Taluk, Bidar District **by M/s. Chorus Labs Limited (SEIAA 16 IND (VIOL) 2018)**

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		**Mr. P. Subbha Reddy** Director At Plot No. 98, HMT Sathavahana nagar, Opp. KPHB, Kukalpally, Hyderbad-72
2	Name & Location of the Project		**M/s. Chorus Labs Limited,** At Plot No. 23-B, KIADB Kolhar Industrial Area, Nizampur Hobli, Bidar Taluk & District, Karnataka.
3	Co-ordinates of the Project Site		**Latitude - 17°54'57.89"N** **Longitude - 77°28'10.46"E**
4	Environmental Sensitivity		
	a.	Distance From nearest Lake/ River/ Nala	PaPMash river – 3.4 Km (NE) Janwada kere – 8.0 Km (N) Karanja Riservoir – 15 Km (W)
	b.	Distance from Protected area notified under wildlife protection	Honnikere Reserved forest – 2.0 Km (N) Chitta Reserved forest – 3.2 Km (SE)

		act	Kamthana Reserved forest – 3.9 Km (N) Kaplapur protected forest – 5.6 Km (NW)
	c.	Distance from the interstate boundary	Karnataka – Telangana– 11.3 Km (SE) Karnataka – Maharashtra– 37 Km (N)
	d.	whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		Activity 5 (f) of Category-B
6	New/ Expansion/ Modification/ Product mix change		Modification
7	Plot Area (Sqm)		14,038 Sqmt
8	Built Up area (Sqm)		6,890 Sqmt
9	Component of developments		"Manufacturing of Bulk drug and Intermediates unit"
10	Project cost (Rs. In crores)		Rs. 6.5 Crores
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	6,890 Sqmt
	b.	Kharab Land	--
	c.	Internal Roads	1,275 Sqmt
	d.	Paved area	--
	e.	Parking	--
	f.	Green belt	5,610 Sqmt
	g.	Others Specify	Vacant area - 263 Sqmt
	h.	Total	14,038 Sqmt

12 Products and By- Products with quantity (enclose as Annexure if necessary)

EXISTING & PROPOSED PRODUCTS WITH CAPACITY

S. No.	Existing consented products	Substitution of products in place of existing products	Production capacity after modification Kg/day
1	Capecitabine	--	1000
2	Cefpodoxime	Etodolac	1000
3	Diclofinac Sodium	--	600
4	Efavirenz	--	1000
5	Leviteracitam	--	1000
6	Moxifloxacin	--	750
7	Cefixime	Oxalamine citrate	250
8	Nebivolal	--	750
9	Neverapine	--	1000
10	Saquinavir Mesylate	--	200
11	Stavudine	--	300
12	Telmisartan	Dothiepin	150
13	Torsimide	Oxalamine Phosphate	325
14	Zindovudine	--	300
15	Valsatran	Diacerein	400
16	Terbinafine HCL	--	200
17	Ezitimibe	--	1000
Total			10,225

Any three products at a time will be produced from the above listed products.

13 Raw material with quantity and their source (enclose as Annexure if necessary)

Raw materials

S. No.	Raw material	Maximum storage	Physical status	Storage container	Packets/ drums/ bags	Storage area

		KL			etc (Nos.)		
Solvents							
1	Methanol	28	Liquid	MS Tank	Tank	Solvent storage yard	
2	Acetone	14	Liquid	MS Tank	Tank	Solvent storage yard	
3	Toluene	7	Liquid	MS Tank	Tank	Solvent storage yard	
4	Tetrahydrofuran	1	Liquid	HDPE Drum	Drum	Drum yard	
5	Dichloromethane	1	Liquid	HDPE Drum	Drum	Drum yard	
6	N,N-Dimethylacetamide	1	Liquid	HDPE Drum	Drum	Drum yard	
7	Acetic Acid	2	Liquid	HDPE Drum	Drum	Drum yard	
8	Acetonitrile	1	Liquid	HDPE Drum	Drum	Drum yard	
9	n-Hexane	7	Liquid	MS Tank	Tank	Solvent storage yard	
10	Ethyl Acetate	9	Liquid	MS Tank	Tank	Solvent storage yard	
11	Dimethyl Formamide	1	Liquid	HDPE Drum	Drum	Drum yard	
12	Diisopropyl Ether	1	Liquid	HDPE Drum	Drum	Drum yard	
13	O-Xylene	1	Liquid	MS Drum	Drum	Drum yard	
14	n-Heptane	1	Liquid	HDPE Drum	Drum	Drum yard	
15	Ethanol	1	Liquid	MS Drum	Drum	Drum yard	
16	Isopropyl alcohol	1	Liquid	HDPE Drum	Drum	Drum yard	
17	Isopropyl acetate	1	Liquid	HDPE Drum	Drum	Drum yard	
18	Dimethyl sulfoxide	1	Liquid	HDPE Drum	Drum	Drum yard	

S. No.	Raw material	Maximum storage KL	Physical status	Storage container	Packets/ drums/ bags	Storage area
Hazardous chemicals						
1	Sulphuric Acid	10	Liquid	MS Tank	Tank	Solvent storage yard
2	Hydrochloric Acid	10	Liquid	PP/FRP Tank	Tank	Solvent storage yard
3	3-Chloropropinoyl chloride	1	Liquid	HDPE Drum	Drum	Drum yard
4	Diethylamine	1	Liquid	MS Drum	Drum	Drum yard
5	Acetic Anhydride	1	Liquid	HDPEDrum	Drum	Drum yard
6	Chromic Anhydride	0.5 Tonn	Solid	MS Drum	Drum	Ware house
7	Pentyl chloroformate	0.5	Liquid	HDPE Drum	Drum	Drum yard
8	Chloroacetyl chloride	0.5	Liquid	HDPE Drum	Drum	Drum yard
9	Phenylamine	0.5	Liquid	HDPE Drum	Drum	Drum yard
10	Triethylamine	1.0	Liquid	MS Drum	Drum	Drum yard
11	Aluminium chloride	0.5 Tonn	Solid	LDPE bags	LDPE bags	Ware house
12	Cyclopropyl amine	0.5	Liquid	MS Drum	Drum	Drum yard
13	Acetyl bromide	0.5	Liquid	Glass Liner Drum	Liner Drum	Drum yard
14	Benzyl Chloride	0.5	Liquid	HDPE Drum	Drum	Drum yard
15	Monomethylamine	0.5	Liquid	MS Drum	Drum	Drum yard
16	Methyl sulfonyl chloride	0.5	Liquid	HDPE Drum	Drum	Drum yard
Other chemicals						
1	Palladium Carbon	25 Kg	Solid	HDPE Drum	LDPE bag	Ware house
2	H2 Gas	--	Gas	Cylinder	Cylinder	Cylinder storage area
3	Zinc Dust	100 Kg	Solid	HDPE Drum	LDPE bag	Ware house

14	Mode of transportation of Raw material and storage facility	The chemicals required for the process are mostly bought from the local (indigenous) markets. Mode of transportation of all raw materials to the project site is by road. Liquid chemicals will be stored in tanker yard, Drum yard and the solid chemicals will be in stores
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	Mode of transportation of coal to the project site is by road and will be stored in Coal storage yard

16	Fly ash production, storage and disposal details whereas coal is used as fuel		Coal ash from boiler will be stored in designated area and will sent o brick manufacturing industry	
17	Complete process flow diagram and technology employed		Will be detailed in EIA	
18	Details of Plant and Machinery with capacity/ Technology used		2 TPH - Boiler Capacity 250 KVA - Dg capacity MEE of 20 KLD capacity with stripper and ATFD	
19	Details of VOC emission and control measures wherever applicable		--	
20	WATER			
	I.	Construction Phase		
	a.	Source of water	--	
	b.	Quantity of water for Construction in KLD	--	
	c.	Quantity of water for Domestic Purpose in KLD	--	
	d.	Waste water generation in KLD	--	
	e.	Treatment facility proposed and scheme of disposal of treated water	--	
	II	Operational Phase		
	a.	Source of water	KIADB	
	b.	Total Requirement of Water in KLD	Fresh	27.5 KLD
			Recycled	4 KLD
			Total	**31.5 KLD**
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	22 KLD
			Recycled	4 KLD
			Total	**26 KLD**
	d.	Requirement of water for domestic purpose in KLD	Fresh	1.5 KLD
			Recycled	--
			Total	**1.5 KLD**
	e.	Waste water generation in KLD	Industrial effluent	16.3 KLD
			Domestic sewage	1.3 KLD
			Total	**17.6 KLD**
	f.	ETP/ STP capacity	Biological treatment plant - 15KLD	
	g.	Technology employed for Treatment	MEE of 20 KLD capacity with stripper and ATFD	
	h.	Scheme of disposal of excess treated water if any	Zero discharge	
21	Infrastructure for Rain water harvesting		11 KLD will be provided to recharge roof rain water	
22	Storm water management plan		For the storm water drain, will going to provide closed concrete structures which do not pass chemical to the drain by washing and treatment	

<table>
<tr><td></td><td colspan="2"></td><td>of chemicals.</td></tr>
<tr><td>23</td><td colspan="3">Air Pollution</td></tr>
<tr><td rowspan="3"></td><td>a.</td><td>Sources of Air pollution</td><td>Dg set, Boiler</td></tr>
<tr><td>b.</td><td>Composition of Emissions</td><td>--</td></tr>
<tr><td>c.</td><td>Air pollution control measures proposed and technology employed</td><td>Process emission will be connected to 2 stage scrubber for treatment</td></tr>
<tr><td>24</td><td colspan="3">Noise Pollution</td></tr>
<tr><td rowspan="3"></td><td>a.</td><td>Sources of Noise pollution</td><td>Dg set, motors, compressor</td></tr>
<tr><td>b.</td><td>Expected levels of Noise pollution in dB</td><td>75 dB</td></tr>
<tr><td>c.</td><td>Noise pollution control measures proposed</td><td>Dg set will be installed with inbuilt acoustic enclosures</td></tr>
<tr><td>25</td><td colspan="3">WASTE MANAGEMENT</td></tr>
<tr><td rowspan="3"></td><td>I.</td><td colspan="2">Operational Phase</td></tr>
<tr><td rowspan="2">a.</td><td rowspan="2">Quantity of Solid waste generated per day and their disposal</td><td>Organic solid waste</td><td>1122 kg/day</td></tr>
<tr><td>Inorganic Solid Waste</td><td>1080 kg/day</td></tr>
<tr><td>b.</td><td>Quantity of Hazardous Waste generation with source and mode of Disposal as per norms</td><td colspan="2"><table><tr><th>Description</th><th>Quantity</th></tr><tr><td>Waste oil</td><td>21/Annum</td></tr><tr><td>HDPE drums</td><td>200 No's/month</td></tr><tr><td>LDPE bags</td><td>500 No's/month</td></tr><tr><td>Spent carbon</td><td>100 kg/day</td></tr><tr><td>Detoxified container</td><td>200 No's/month</td></tr><tr><td>Solvent distillation bottom residue</td><td>25 kg/day</td></tr></table></td></tr>
<tr><td>c.</td><td>Quantity of E waste generation with source and mode of Disposal as per norms</td><td colspan="2">--</td></tr>
<tr><td>26</td><td colspan="2">Risk Assessment and disaster management</td><td>Will be provided during EIA submission</td></tr>
<tr><td>27</td><td colspan="3">POWER</td></tr>
<tr><td rowspan="4"></td><td>a.</td><td>Total Power Requirement in the Operational Phase with source</td><td>Electricity- GESCOM - 250 KVA</td></tr>
<tr><td>b.</td><td>Numbers of DG set and capacity in KVA for Standby Power Supply</td><td>200 kVA X 1</td></tr>
<tr><td>c.</td><td>Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,</td><td>Boiler - Coal
Dg set - HSD</td></tr>
<tr><td>d.</td><td>Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007</td><td>Energy conservation devices such as CFL and LED lights are proposed in the project.</td></tr>
<tr><td>28</td><td colspan="2">PARKING</td><td></td></tr>
<tr><td rowspan="2"></td><td>a.</td><td>Parking Requirement as per norms</td><td>50 numbers</td></tr>
<tr><td>b.</td><td>Internal Road width (RoW)</td><td>Approach road width - 18m
Internal road width - 8m (min)</td></tr>
</table>

29	Any other information specific to the project (Specify)	--

The Proponent and Environment Consultant attended the meeting of SEAC to provide clarification/additional information.

The committee appraised the proposal as per the Notification dated: 8-3-2018 issued by MoEF & CC considering the information provided in the statutory application-Form I, pre-feasibility report, proposed ToRs and clarification/additional information provided during the meeting. The proponent has requested the committee to permit him to adopt the baseline studies made during Nov-2016 to Jan 2017 for the same project under the pretext that the baseline studies done for the same project holds good for three years for which the committee accepted the same. The committee decided to recommend the proposal to SEIAA for issue of Standard ToRs and following additional ToRs to conduct the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines and to conduct public hearing.

1) Details of adjacent industries and impact on the same from this industry
2) Impact on the nearby Air force from the industrial activity
3) Greenery details with design to be provided
4) Details of liquid effluents discharged from 2012-2016 and the scheme of treatment
5) Scheme of design and capacity of the MEE to be provided
6) Safety measures taken in the hydrogenation process to be explained in EIA
7) Process flow chart and No. of reactors to be explained.
8) Scheme for removal of sulphur dioxide discharged in the process.
9) Since Bidar airways is at a distance of 250 m the study area of 500 m radius and the impact on it shall be intensively covered in the EIA report
10) In the monitoring protocols, VOC to be incorporated
11) Solvent storage and solvent recovery system to be explained
12) Green chemistry adopted in the process to be highlighted
13) Alternatives to n-butyl lithium, sodium borohydride, lithium aluminium chloride and methylene chloride to be explored
14) List of banned chemicals to be provided and alternatives to be suggested
15) Location of the monitoring station should be decided so as to take into consideration the predominant downwind direction, population zone and sensitive receptors. There should be at least one monitoring station in the upwind & down wind direction at a location where maximum ground level concentration is likely to occur.
16) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research CSIR) institution working in the field of environment.

17) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

18) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

Accordingly ToRs were issued on 15-06-2018. The proponent has submitted the EIA report on 16-9-2019 and the same was placed before the committee for appraisal.

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		**Mr. P. Subbha Reddy** Director At Plot No. 98, HMT Sathavahana nagar, Opp. KPHB, Kukalpally, Hyderbad-72
2	Name & Location of the Project		**M/s. Chorus Labs Limited,** At Plot No. 23-B, KIADB Kolhar Industrial Area, Nizampur Hobli, Bidar Taluk & District, Karnataka.
3	Co-ordinates of the Project Site		**Latitude - 17°54'56.03"N** **Longitude - 77°28'12.89"E**
4	Environmental Sensitivity		
	a.	Distance From nearest Lake/ River/ Nala	Papnash river – 3.4 Km (NE) Janwadakere – 8.0 Km (N) Karanja Reservoir – 15 Km (W)
	b.	Distance from Protected area notified under wildlife protection act	Honnikere Reserved forest – 2.0 Km (N) Chitta Reserved forest – 3.2 Km (SE) Kamthana Reserved forest – 3.9 Km (N) Kaplapur protected forest – 5.6 Km (NW)
	c.	Distance from the interstate boundary	Karnataka – Telangana– 11.3 Km (SE) Karnataka – Maharashtra– 37.0 Km (N)
	d.	whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		Activity 5 (f) of Category-B
6	New/ Expansion/ Modification/ Product mix change		Modification
7	Plot Area (Sqm)		14,038 Sqmt
8	Built Up area (Sqm)		6,879 Sqmt
9	Component of developments		"Modification of Bulk drug and Intermediates unit"
10	Project cost (Rs. In crores)		Rs. 6.5 Crores

11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	6,879 Sqmt
	b.	Kharab Land	--
	c.	Internal Roads	1,264 Sqmt
	d.	Paved area	--
	e.	Parking	--
	f.	Green belt	5,615 Sqmt
	g.	Others Specify	Vacant area - 280 Sqmt
	h.	Total	14,038 Sqmt
12	Products and By- Products with quantity (enclose as Annexure if necessary)		**Refer Annexure-1**
13	Raw material with quantity and their source (enclose as Annexure if necessary)		**Refer Annexure-2**
14	Mode of transportation of Raw material and storage facility		The chemicals required for the process are mostly bought from the local (indigenous) markets. Mode of transportation of all raw materials to the project site is by road. Liquid chemicals will be stored in tanker yard, Drum yard and the solid chemicals will be in stores
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		Mode of transportation of coal to the project site is by road and will be stored in Coal storage yard
16	Fly ash production, storage and disposal details whereas coal is used as fuel		Coal ash from boiler will be stored in designated area and will sent o brick manufacturing industry
17	Complete process flow diagram and technology employed		Will be detailed in EIA
18	Details of Plant and Machinery with capacity/ Technology used		2 TPH - Boiler Capacity 250 KVA - Dg capacity MEE of 25 KLD capacity with stripper and ATFD
19	Details of VOC emission and control measures wherever applicable		--
20	WATER		
	I.	Construction Phase	
	a.	Source of water	--
	b.	Quantity of water for Construction in KLD	--
	c.	Quantity of water for Domestic Purpose in KLD	--
	d.	Waste water generation in KLD	--
	e.	Treatment facility proposed and scheme of disposal of treated	--

		water		
	II	Operational Phase		
	a.	Source of water	KIADB	
	b.	Total Requirement of Water in KLD	Fresh	36.5 KLD
			Recycled	3 KLD
			Total	**39.5 KLD**
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	36.5 KLD
			Recycled	0 KLD
			Total	**36.5 KLD**
	d.	Requirement of water for domestic purpose in KLD	Fresh	0.0 KLD
			Recycled	1.0
			Total	**1.0 KLD**
	e.	Waste water generation in KLD	Industrial effluent	15.76 KLD
			Domestic sewage	0.8 KLD
			Total	**16.56 KLD**
	f.	ETP/ STP capacity	Biological treatment plant - 15 KLD	
	g.	Technology employed for Treatment	MEE of 25 KLD capacity with stripper and ATFD	
	h.	Scheme of disposal of excess treated water if any	Zero discharge	
21	Infrastructure for Rain water harvesting		15.0 KLD will be provided to recharge roof rain water	
22	Storm water management plan		For the storm water drain, will going to provide closed concrete structures which do not pass chemical to the drain by washing and treatment of chemicals.	
23	Air Pollution			
	a.	Sources of Air pollution	DG set, Boiler	
	b.	Composition of Emissions	--	
	c.	Air pollution control measures proposed and technology employed	Process emission will be connected to 2 stage scrubber for treatment	
24	Noise Pollution			
	a.	Sources of Noise pollution	DG set, motors, compressor	
	b.	Expected levels of Noise pollution in dB	75 dB	
	c.	Noise pollution control measures proposed	Dg set will be installed with inbuilt acoustic enclosures	
25	WASTE MANAGEMENT			
	I.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Organic solid waste	100 kg/day
			Inorganic Solid Waste	1091.22 kg/day
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	**Description**	**Quantity**
			Waste oil	2.0 KL/Annum
			HDPE drums	200 No's/month
			LDPE bags	500 No's/month

			Spent carbon	100 kg/day
			Detoxified container	200 No's/Annum
			Solvent distillation bottom residue	25 kg/day
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	--	
26	Risk Assessment and disaster management		Will be provided during EIA submission	
27	POWER			
	a.	Total Power Requirement in the Operational Phase with source	Electricity- GESCOM - 250 KVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	200 kVA X 1	
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	Boiler - Coal/Briquettes DG set - HSD	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as CFL and LED lights are proposed in the project.	
28	PARKING			
	a.	Parking Requirement as per norms	-	
	b.	Internal Road width (RoW)	Approach road width - 18m Internal road width - 4m **(min)**	
29		Any other information specific to the project (Specify)	--	

The proponent and Environment consultant attended the 231st meeting held on 26-9-2019 for EIA presentation.

The proponent has stated that he will dispense with manufacturing of Ibuprofin with immediate effect. As per the records and analysis carried out, the proponent has stated that no damages have been done for Air, Water and soil by operating his unit without valid EC. But, however with abundant responsibility he carried out retribution analysis according to which he has quantified retribution cost to Rs.16.89 lakhs. The committee after discussion and deliberation felt that Rs.20.00 lakhs towards the remediation charges can be levied on the proponent and based on this the committee decided to recommend the proposal for delisting the same from violation category and issue of EC.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.18 Proposed Modification & Expansion of Bulk Drug & Intermediates Unit Project at Plot No.200, KIADB Kolhar Industrial Area, Nizampur Hobli, Bidar Taluk, Bidar District **by M/s. Chandra Life Sciences Pvt. Ltd. (SEIAA 21 IND (VIOL) 2018)**

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		Mr. B Satyanarayana Managing Director At MIG-20, 3rd floor, above SBI Bank, Hyder Nagar, Kukalpally, Hyderbad-72
2	Name & Location of the Project		M/s. Chandra Life Sciences Private Limited, At Plot No. 200, KIADB Kolhar Industrial Area, Nizampur Hobli, Bidar Taluk & District, Karnataka.
3	Co-ordinates of the Project Site		Latitude - 17°54'35.02"N Longitude - 77°27'20.83"E
4	Environmental Sensitivity		
	a.	Distance From nearest Lake/ River/ Nala	PaPMash river – 4.5 Km (NE) Janwada kere – 8.5 Km (N) Karanja Riservoir – 15 Km (W)
	b.	Distance from Protected area notified under wildlife protection act	Honnikere Reserved forest – 2.0 Km (N) Chitta Reserved forest – 3.2 Km (SE) Kamthana Reserved forest – 3.9 Km (N) Kaplapur protected forest – 5.6 Km (NW)
	c.	Distance from the interstate boundary	Karnataka – Telangana– 12.9 Km (SE) Karnataka – Maharashtra– 37.7 Km (N)
	d.	whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		Activity 5 (f) of Category-B
6	New/ Expansion/ Modification/ Product mix change		Modification & Expansion
7	Plot Area (Sqm)		24,300 Sqmt
8	Built Up area (Sqm)		10,340 Sqmt
9	Component of developments		"Manufacturing of Bulk drug and Intermediates unit"
10	Project cost (Rs. In crores)		Rs. 9.6 Crores
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	10,340 Sqmt
	b.	Kharab Land	--
	c.	Internal Roads	4,726 Sqmt
	d.	Paved area	--
	e.	Parking	--
	f.	Green belt	9,234 Sqmt

	g.	Others Specify	--
	h.	Total	24,300 Sqmt

12 Products and By- Products with quantity (enclose as Annexure if necessary)
Refer Annexure-1

List of proposed products

S. No.	Name of the product	Quantity consented Max. in MTPM
1	Fluconazole - Ip/Ep/Bp/Usp	18.0
2	Clopidogrel Bi Sulphate Ip/Usp	6.0
3	Levocetrizine Dihydrochloride Ip	0.5
4	Donepezile Intermediate	1.0
5	Quetiapine Fumarate Ip/Ep And It's Intermediates.	3.0
6	Voriconazole And It's Intermediates.	1.0
7	Itraconazole And It's Intermediates	3.0
	Total	32.5

List of Proposed Products with Intermediates

S.NO	DESCRIPTION OF THE PRODUCT
01.	FLUCONAZOLE
a.	2(2,4-Difluoro)-4-Amino 1H-1,2,4-Triazole Acetophenone Hydrochloride (OR) 1-(2,4-Diffuro phenyl)4 Amino 4H 1,2,4 triazolium chloride(DFTA-I)
b.	1-(2,4-difluorophenyl) 1H-1,2,4-triazole-1-yl) Ethanone (DFTA) (OR) 2,4-Difluro-2-(1H-1,2,4-triazole-1-yl)-acetophenone (OR) 1-(2,4-Difluorophenyl)1H-1,2,4, triazole(3-1yl) DFTA-II
02.	CLOPIDOGREL BI SULPHATE
a.	2-chloro phenyl glycine methyl ester. (Tartarate salt) (OR) Tartaric salt of Clopidogrel (CPA II)
b.	2-(2-Thienyl) Ethyl-4-Methyl Benzene Sulfonate (CP B mass)
c.	(+)-2-(chlorophenyl)N-[2-[2 thienyl) ethyl] glycine methylester hydrochloride (coupled amine) (OR) S+(2-chlorophenyl) 2-(Thiophene-2-yl ethyl amino) acetic acid methyl ester.Hydrochloride
03.	LEVOCETRIZINE DIHYDROCHLORIDE
a.	(-)-(4-Chlorophenyl)phenylmethyl amine (OR) Tartaric salt of Levo cetrizine(LC II)
b.	(-) -1(4-Chloro Phenyl Methyl) Piperzine (LCZ V) (OR) (-) p-Chloro benzhydryl piperazine
c.	[2-[4-[(4-chlorophenyl)phenyl methyl] 1piperazinyl] ethoxy] acetic acid dihydrochloride (OR) 2-[4[(4-Chloro phenyl)phenyl methyl]piperazinyl]ethoxylaceticacid (LCZ VII)
04.	DONEPEZILE INTERMEDIATE
a.	2-(1-Benzyl-1,2,3,6-tetrahydropyridn-4yl)methylene-5,6-dimethoxyindan-1-one hydrochloride

13	Raw material with quantity and their source (enclose as Annexure if necessary)	Refer Annexure-2
14	Mode of transportation of Raw material and storage facility	The chemicals required for the process are mostly bought from the local (indigenous) markets. Mode of transportation of all raw materials to the project site is by road. Liquid chemicals will be stored in tanker yard, Drum yard and the solid chemicals will be in stores
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	Mode of transportation of coal to the project site is by road and will be stored in Coal storage yard
16	Fly ash production, storage and disposal details whereas coal is used as fuel	Coal ash from boiler will be stored in designated area and will sent o brick manufacturing industry
17	Complete process flow diagram and technology employed	Will be detailed in EIA
18	Details of Plant and Machinery with	1 TPH, 2 TPH - Boiler Capacity

	capacity/ Technology used		380 KVA - Dg capacity MEE of 20 KLD capacity with stripper and ATFD	
19	Details of VOC emission and control measures wherever applicable		--	
20	WATER			
	I.	Construction Phase		
	a.	Source of water	Open well	
	b.	Quantity of water for Construction in KLD	1 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	1 KLD	
	d.	Waste water generation in KLD	0.8 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Treated in soak pit	
	II	Operational Phase		
	a.	Source of water	Open well	
	b.	Total Requirement of Water in KLD	Fresh	34.8 KLD
			Recycled	5 KLD
			Total	39.8 KLD
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	22.8 KLD
			Recycled	4 KLD
			Total	26.8 KLD
	d.	Requirement of water for domestic purpose in KLD	Fresh	8 KLD
			Recycled	--
			Total	8 KLD
	e.	Waste water generation in KLD	Industrial effluent	16.3 KLD
			Domestic sewage	6.5 KLD
			Total	17.6 KLD
	f.	ETP/ STP capacity	Biological treatment plant - 20 KLD	
	g.	Technology employed for Treatment	MEE of 20 KLD capacity with stripper and ATFD	
	h.	Scheme of disposal of excess treated water if any	Zero discharge	
21	Infrastructure for Rain water harvesting		25 KLD will be provided to recharge roof rain water	
22	Storm water management plan		For the storm water drain, will going to provide closed concrete structures which do not pass chemical to the drain by washing and treatment of chemicals.	
23	Air Pollution			
	a.	Sources of Air pollution	Dg set, Boiler	
	b.	Composition of Emissions	--	
	c.	Air pollution control measures proposed and technology employed	Process emission will be connected to 2 stage scrubber for treatment	

24	Noise Pollution			
	a.	Sources of Noise pollution	Dg set, motors, compressor	
	b.	Expected levels of Noise pollution in dB	75 dB	
	c.	Noise pollution control measures proposed	Dg set will be installed with inbuilt acoustic enclosures	
25	WASTE MANAGEMENT			
	I.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Organic solid waste	1122 kg/day
			MEE salts	1 TPM
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Description: Waste oil	Quantity: 2 l/Annum
			HDPE drums	200 No's/month
			LDPE bags	500 No's/month
			Spent carbon	100 kg/day
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	--	
26	Risk Assessment and disaster management		Will be provided during EIA submission	
27	POWER			
	a.	Total Power Requirement in the Operational Phase with source	Electricity- GESCOM - 240 KVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	380 kVA X 1	
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	Boiler - Coal Dg set - HSD	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as CFL and LED lights are proposed in the project.	
28	PARKING			
	a.	Parking Requirement as per norms	50 numbers	
	b.	Internal Road width (RoW)	Approach road width - 18m Internal road width - 8m (min)	
29		Any other information specific to the project (Specify)	--	

The Proponent and Environment Consultant attended the meeting of SEAC to provide clarification/additional information.

The committee appraised the proposal as per the Notification dated: 8-3-2018 issued by MoEF & CC considering the information provided in the statutory application-Form I, pre-feasibility report, proposed ToRs and clarification/additional information provided during the meeting. The proponent has requested the committee

to permit him to adopt the baseline studies made during Dec-2016 to Feb 2017 for the same project under the pretext that the baseline studies done for the same project holds good for three years for which the committee accepted the same. The committee decided to recommend the proposal to SEIAA for issue of Standard ToRs and following additional ToRs to conduct the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines and to conduct public hearing.

1) All process area, raw material storage area, waste storage area as well as waste carrying structures to be made impervious with proper MOC (materials of construction) as per the requirement.
2) The VOC monitoring should be one of the monitoring parameter including different solvents used in the industry along with other parameters are required as per the law.
3) The treatment scheme followed by the industry and proposed now to be evaluated and furnished
4) An MOU made with the hazardous waste disposal facility and other effluents including residual solvents is to be provided.
5) Health profile of the employees as per the requirement of the law to be submitted. The employee/technician working with the working areas where fugitive emissions are seen to be monitored regularly and submitted.
6) Detailed analysis of ground water, soil and air of the premises is to be conducted and submitted.
7) A comprehensive plan for treatment and disposal of solid, liquid and gaseous including fugitive emissions to be evaluated and submitted.
8) Plan of action for storage of products, by-products, raw materials including toxic and hazardous chemicals to be provided.
9) Plan for disposal of debris obtained from the proposed replacement of blasted reactor is to be provided. Mechanism of reconditioning of all the reactors to be furnished.
10) Some of the highly volatile solvents are stored above the ground level. Therefore it is necessary to store either below the ground level or in a mounded structure as per the norms and the direction of the competent agencies.
11) All chemicals and waste to be transformed mechanically instead of manual transformation
12) Structural stability has to be verified and submitted to the authority to ascertain stability of the building provided to industry.
13) Compliance to directions issued by KSPCB and Inspectorate of Factories and Boilers to be provided
14) Risk assessment plan in worst case scenario of the industry is to be provided
15) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research CSIR) institution working in the field of environment.

16) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
17) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

Accordingly ToRs were issued on 15-06-2018. The proponent has submitted the EIA report on 9-9-2019 and the same was placed before the committee for appraisal.

The proponent and Environment consultant attended the 231st meeting held on 26-9-2019 for EIA presentation.

As per the records and analysis carried out the proponent has stated that no damages have been done for Air, Water and soil by operating his unit without valid EC. But, however with abundant responsibility he carried out retribution analysis according to which he has quantified retribution cost to Rs.10.80 lakhs. The committee after discussion and deliberation felt that Rs.25.00 lakhs towards the remediation charges can be levied on the proponent based on the above retribution analysis and also the fact that the profit of rupees Rs.66,31,707.00 he has earned during that period and based on this the committee decided to recommend the proposal for delisting the same from violation category and issue of EC.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environment Clearance:

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

Deferred subjects:

231.19 Proposed Resort Development at Sy.Nos.3, 4, 5, 6, 8, 9, 10, 12, 13, 15/2, 17/2, 80/2, 80/6, 81 and 82, Dindagatta Village, Palya Hobli, Alur Taluk, Hassan District **by M/s. Rosetta Resorts and Holiday Homes(SEIAA 95 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Errol Fernandes, Rosetta Resorts and Holiday Homes No 95, Amar Jyothi Layout, Dommaluru, Bengaluru-560071.
2	Name & Location of the Project	Proposed Resort Development at Sy Nos 3,4,5,6,8,9,10,12,13,15/2,17/2,80/2, 80/6, 81 and 82, Dindagatta Village, Palya Hobli, Alur Taluk, Hassan District, Karnataka 573218.

3		Co-ordinates of the Project Site	12°57'40.3"N 75°55'42.4"E
4		Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Pond-30mts
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	NA
5		Type of Development	
	a.	New/Expansion/Modification	New
	b.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Resort Development
	c.	Residential Township/ Area Development Projects	NA
6		Plot Area (Sqm)	1,87,065.94 Sq.mts
7		Built Up area (Sqm)	48,454.45 Sq. m.
8		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Comprising of Resort cluster, Holiday Homes, 2 BHK Cluster, Main Building, Pool Bar, Presidential Villa, VEG Restaurant, SPA, 1BHK Studio, BOH, Dormitory unit, studio Unit, GM Villa, Activity center
9		Number of units in case of Construction Projects	NA
10		Number of Plots in case of Residential Township/ Area Development Projects	NA
11		Project Cost (Rs. In Crores)	25
12		Recreational Area in case of Residential Projects / Townships	NA
13		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	24,846.71 Sq. m.
	b.	Kharab Land	-

	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1,03,516.85 Sq.mts (55.33%)	
	d.	Internal Roads	25,000 Sq.mts	
	e.	Paved area		
	f.	Others Specify	33,701.97 Sq.mts	
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA	
	h.	Total	1,87,065.53 Sq.mts	
14		Details of demolition debris and / or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	NA	
	b.	Total quantity of Excavated earth (in cubic meter)	4000cum	
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	Only top soil of around 4000cum excavated will be used for Landscaping development.	
	d.	Excess excavated earth (in cubic meter)	None	
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	NA	
15		WATER		
	I.	Construction Phase		
	a.	Source of water	Borewell/ water tankers	
	b.	Quantity of water for Construction in KLD	25 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	5 KLD	
	d.	Waste water generation in KLD	4.4 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Septic tank and Soak pit	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	400.53 KLD
			Recycled	16.00 KLD
			Total	416.53KLD
	b.	Source of water	Borewell	

	c.	Waste water generation in KLD	375KLD
	d.	STP capacity	175 KLD and 205 KLD
	e.	Technology employed for Treatment	Phytorid Technology
	f.	Scheme of disposal of excess treated water if any	According to hydraulic loading the apartment complex can use maximum of 364 KLD of treated sewage for on land gardening.
16		Infrastructure for Rain water harvesting	
	a.	Capacity of sump tank to store Roof run off	12 X 50 CUM
	b.	No's of Ground water recharge pits	12
17		Storm water management plan	Provided in EMP
18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal	Waste concrete blocks (7425 Nos.) shall be crushed, powdered & reused for making blocks.
		as per norms	A quantity of about 35 MT of construction debris shall be generated during construction phase. This includes waste plaster & cement concrete (29MT & 6 MT each). This shall be reused for making preparatory surface (base layer) for roads & path ways within the premises.
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	General Garbage organic of 576 Kgs / day shall be Organic Waste will converted in to manure by organic waste converter & will be used for landscape development
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Inorganic waste of 384 Kgs / day shall be Disposed through authorized recycler
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Hazardous waste of 10 Nos. /annum of oil filters and 2 KL of used oil from 3 Nos. of Generator of 500 KVA; will be generated. The Hazardous waste generated will be disposed to KSPCB authorized recycler/landfill.
	d.	Quantity of E waste generation and mode of Disposal as per norms	NA
19		POWER	
	a.	Total Power Requirement - Operational Phase	1500KW

	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500 KVA (3 Nos)
	c.	Details of Fuel used for DG Set	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	23.74 %.
20		PARKING	
	a.	Parking Requirement as per norms	580PSU
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	C
	c.	Internal Road width (RoW)	6mts
21		Any other information specific to the project (Specify)	NA

The proponent was invited for the 228th meeting held on 6-8-2019 to provide required clarification. The proponent remained absent by submitting a letter dated:1-8-2019.

The committee after discussion decided to provide one more opportunity to proponent with an intimation that the proposal will be appraised based on merit in his absence, in case he remains absent and deferred the subject.

The Proponent and Environment Consultant attended the 231st meeting held on 26-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. As per village survey map there is one water storage body in Sy.No.7 which is in the midst of project site for which the proponent has stated that he has left 30 meter buffer zone all round the water body. Also there is another water body in Sy.No.2 on the western side of the project site for which the proponent has stated that he has left 30 meter buffer zone all along the periphery of the water body touching the project site boundary. The proponent has also stated that he will provide free access to public for the water body in Sy.No.7.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 15% of the parking space shall be reserved for electric vehicles with recharging facility.

3. The proponent to install mobile STP instead of septic tank and soak pit

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

EIA Subject:

231.20 Proposed Modification & Expansion of Bulk Drug & Intermediates Unit Project at Plot No.4/A-D, KIADB Industrial Area, Bidar Taluk, Bidar **District by M/s. Vani Organics Pvt. Ltd. (SEIAA 20 IND (VIOL) 2018)**

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		**Mr. M Chakradhar** Managing Director At Plot No. 4/A-D, KIADB Industrial Area, Bidar Taluk, Bidar District, Karnataka
2	Name & Location of the Project		**M/s. Vani Organics Pvt. Ltd,** Plot No. 4/A-D, KIADB Industrial Area, Bidar Taluk, Bidar District, Karnataka
3	Co-ordinates of the Project Site		**Latitude - 17°55'14.74"N** **Longitude - 77°27'39.50"E**
4	Environmental Sensitivity		
	a.	Distance From nearest Lake/ River/ Nala	PaPMash river – 3.4 Km (NE) Janwada kere – 8.0 Km (N) Karanja Riservoir – 15 Km (W)
	b.	Distance from Protected area notified under wildlife protection act	Honnikere Reserved forest – 2.0 Km (N) Chitta Reserved forest – 3.2 Km (SE) Kamthana Reserved forest – 3.9 Km (N) Kaplapur protected forest – 5.6 Km (NW)
	c.	Distance from the interstate boundary	Karnataka – Telangana– 12.5 Km (SE) Karnataka – Maharashtra– 38.5 Km (N)
	d.	whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		Activity 5 (f) of Category-B
6	New/ Expansion/ Modification/ Product mix change		Expansion
7	Plot Area (Sqm)		34,528 Sqmt
8	Built Up area (Sqm)		5,527 Sqmt
9	Component of developments		"Manufacturing of Bulk drug and Intermediates unit"
10	Project cost (Rs. In crores)		Rs. 2.7 Crores
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	5,527 Sqmt

	b.	Kharab Land	--
	c.	Internal Roads	8,893 Sqmt
	d.	Paved area	--
	e.	Parking	--
	f.	Green belt	20,108 Sqmt
	g.	Others Specify	--
	h.	Total	34,528 Sqmt

12 Products and By- Products with quantity (enclose as Annexure if necessary)

Annexure -1

List of Existing products

Sl. No.	Name of the product	Quantity in MTPM
1	Analgin/ Analgin intermediates Or Combination of Analgin and intermediates	13
2	Sodium Bi Sulphite As 100%	208
3	Ice blocks	Captive consumption only

List of proposed products

Sl. No.	Name of the product		Quantity in MTPM
1	Phenyl Methyl Pyrazolone	Product	60
2	Phenyl Hydrazine Oil	Product	20
3	Phenyl Hydrazine Hcl	Product	5
4	Di Sodium Salt of Antipyrine	Product	30
5	Sodium Bi Sulphite As 100%	product	208
6	Intermediate of Pentaprazole sodium (1-2 Stage) Only	Product	15
7	Intermediate of Clorosulone	Product	5
8	Intermediate of Bendimidazole 2-NITRO-4-THIOCYANO ANILINE (CL MASS)	Product	10
9	Sodium Sulphate from pmp Mother Liquor	Bi-product	400
	Total		**753**

13 Raw material with quantity and their source (enclose as Annexure if necessary)

Detailed in feasibility report

PHENYL METHYL PYRAZOLONE

Name of the input	Quantity in Kg
Anilene	300

HCl	785
Sodium Nitrite (NaNO2)	240
Ice	1400
Sodium bisulphite solution 38%	1841
Soda Ash	252
Sulphuric Acid	406
CS Lye	973
Ethyl Methyl Ester	352
Water	100
Methanol for washing	200

PHENYL HYDRAZINE OIL

Name of the input	Quantity in Kg
Anilene	300
HCl	785
Sodium Nitrite (NaNO2)	240
Ice	1400
Sodium bisulphite solution 38%	1841
Soda Ash	252
Sulphuric Acid	406
CS Lye	973

PHENYL HYDRAZINE HCl

Name of the input	Quantity in Kg
Anilene	300
HCl	785
Sodium Nitrite (NaNO2)	240
Ice	1400
Sodium bisulphite solution 38%	1841
Soda Ash	252
Sulphuric Acid	406
CS Lye	973
HCl	200

DISODIUM SALTOF ANTIPYRINE

Name of the input	Quantityin Kg
Anilene	469
HCl	1227
Sodium Nitrite (NaNO2)	673
Ice	2800
Sodium bisulphite solution 38%	4976
Soda Ash	394
Sulphuric Acid	635
CS Lye	3120
Ethyl Methyl Ester	550
Water	800
Methanol for washing	200

Cis Bromo Benzoate

Raw material	Quantity in Kg
2,4-Dichloroacetophenone	125
Benzoyl Chloride	116
Bromine	117

CS Flakes	45.25
Glycerin	67.75
Liq. Ammonia	52.5
Methanol	543.125
N- Butanol	37.5
PTSA	3.375
Toluene	430
Sodium Bicarbonate	7.5
Water	650
TEBAC	2.5
activated carbon	3.75

1,1 Cyclohexane Diacetic Acid Monoamide

Raw material	Quantity in Kg
Cyclohexanone	250
Methyl cyano acetate	515
Methanol	750
Ammonia	45
Sulfuric acid	4122
Water	560
Water for dilution	1680
Water for washing	1680
Water for washing	1680
Ammonia for neutralization	41
Activated carbon	10
Acetic anhydride	186
n heptane	364
Aqueous ammonia solution (25%)	268
Sulfuric acid (for neutralization)	5
Water for washing	250

14	Mode of transportation of Raw material and storage facility	The chemicals required for the process are mostly bought from the local (indigenous) markets. Mode of transportation of all raw materials to the project site is by road. Liquid chemicals will be stored in tanker yard, Drum yard and the solid chemicals will be in stores
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	Mode of transportation of coal to the project site is by road and will be stored in Coal storage yard
16	Fly ash production, storage and disposal details whereas coal is used as fuel	Coal ash from boiler will be stored in designated area and will sent o brick manufacturing industry
17	Complete process flow diagram and technology employed	Will be detailed in EIA
18	Details of Plant and Machinery with capacity/ Technology used	1.5 TPH, 3 TPH - Boiler Capacity 2X250 KVA - Dg capacity MEE of 70 KLD capacity
19	Details of VOC emission and control	---

	measures wherever applicable			
20	WATER			
	I.	Construction Phase		
	a.	Source of water	--	
	b.	Quantity of water for Construction in KLD	--	
	c.	Quantity of water for Domestic Purpose in KLD	--	
	d.	Waste water generation in KLD	--	
	e.	Treatment facility proposed and scheme of disposal of treated water	--	
	II	Operational Phase		
	a.	Source of water	Bore well water	
	b.	Total Requirement of Water in KLD	Fresh	67.5 KLD
			Recycled	9.5 KLD
			Total	**77 KLD**
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	46 KLD
			Recycled	18 KLD
			Total	**64 KLD**
	d.	Requirement of water for domestic purpose in KLD	Fresh	3.5 KLD
			Recycled	--
			Total	**3.5 KLD**
	e.	Waste water generation in KLD	Industrial effluent	60 KLD
			Domestic sewage	2.8 KLD
			Total	**62.8 KLD**
	f.	ETP/ STP capacity	Biological treatment plant - 40KLD	
	g.	Technology employed for Treatment	MEE of 70 KLD capacity with stripper and ATFD	
	h.	Scheme of disposal of excess treated water if any	Zero discharge	
21	Infrastructure for Rain water harvesting		15 KLD will be provided to recharge roof rain water	
22	Storm water management plan		For the storm water drain, will going to provide closed concrete structures which do not pass chemical to the drain by washing and treatment of chemicals.	
23	Air Pollution			
	a.	Sources of Air pollution	Dg set, Boiler	
	b.	Composition of Emissions	--	
	c.	Air pollution control measures proposed and technology employed	Process emission will be connected to 2 stage scrubber for treatment	
24	Noise Pollution			
	a.	Sources of Noise pollution	Dg set, motors, compressor	
	b.	Expected levels of Noise pollution in dB	75 dB	

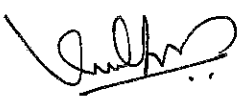
<table>
<tr><td></td><td>c.</td><td>Noise pollution control measures proposed</td><td colspan="2">Dg set will be installed with inbuilt acoustic enclosures</td></tr>
<tr><td>25</td><td colspan="4">WASTE MANAGEMENT</td></tr>
<tr><td rowspan="3"></td><td>I.</td><td>Operational Phase</td><td colspan="2"></td></tr>
<tr><td></td><td></td><td>Inorganic Solid Waste</td><td>300 kg/month</td></tr>
<tr><td>b.</td><td>Quantity of Hazardous Waste generation with source and mode of Disposal as per norms</td><td colspan="2"><table><tr><th>Description</th><th>Quantity</th></tr><tr><td>Waste oil</td><td>21/Annum</td></tr><tr><td>HDPE drums</td><td>30000 No's/ Annum</td></tr><tr><td>LDPE bags</td><td>2000 No's/ Annum</td></tr><tr><td>Spent carbon</td><td>100 kg/day</td></tr><tr><td>Detoxified container</td><td>200 No's/month</td></tr><tr><td>Used lead acid batteries</td><td>4 No's/ Annum</td></tr></table></td></tr>
<tr><td></td><td>c.</td><td>Quantity of E waste generation with source and mode of Disposal as per norms</td><td colspan="2">--</td></tr>
<tr><td>26</td><td colspan="2">Risk Assessment and disaster management</td><td colspan="2">Will be provided during EIA submission</td></tr>
<tr><td>27</td><td colspan="4">POWER</td></tr>
<tr><td rowspan="4"></td><td>a.</td><td>Total Power Requirement in the Operational Phase with source</td><td colspan="2">Electricity- GESCOM - 600 KVA</td></tr>
<tr><td>b.</td><td>Numbers of DG set and capacity in KVA for Standby Power Supply</td><td colspan="2">250 kVA X 2</td></tr>
<tr><td>c.</td><td>Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,</td><td colspan="2">Boiler - Coal
Dg set - HSD</td></tr>
<tr><td>d.</td><td>Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007</td><td colspan="2">Energy conservation devices such as CFL and LED lights are proposed in the project.</td></tr>
<tr><td>28</td><td colspan="2">PARKING</td><td colspan="2"></td></tr>
<tr><td rowspan="2"></td><td>a.</td><td>Parking Requirement as per norms</td><td colspan="2">80 numbers</td></tr>
<tr><td>b.</td><td>Internal Road width (RoW)</td><td colspan="2">Approach road width - 18m
Internal road width - 8m (min)</td></tr>
<tr><td colspan="2">29</td><td>Any other information specific to the project (Specify)</td><td colspan="2">--</td></tr>
</table>

The Proponent and Environment Consultant attended the meeting of SEAC to provide clarification/additional information.

The committee appraised the proposal as per the Notification dated: 8-3-2018 issued by MoEF & CC considering the information provided in the statutory application-Form I, pre-feasibility report, proposed ToRs and clarification/additional information provided during the meeting. The proponent has requested the committee to permit him to adopt the baseline studies made during Jan 2017 to March 2017 for the

same project under the pretext that the baseline studies done for the same project holds good for three years for which the committee accepted the same. The committee decided to recommend the proposal to SEIAA for issue of Standard ToRs and following additional ToRs to conduct the EIA studies along with public hearing in accordance with the EIA Notification 2006 and relevant guidelines and to conduct public hearing.

1) Compliance to CFO conditions as well as notice issued by the KSPCB and status of the industry
2) Justification for the No. of products and No. of reactors provided
3) Material balance and mass balance for all the products
4) Detailed study of the soil analysis inside the premises of the industry is to be done and provided
5) Raw material to product and product to waste generation ratio for each product to be given
6) Water analysis to be done for all the parameters for all the nearby borewells within 2 km radius
7) Details of adjacent industries and impact on the same from this industry
8) Existing greenbelt details and proposed with design to be provided
9) Storage and handling method of bromine in the process
10) Control system provided for the sulphur dioxide and Fugitive emission of the same to be given
11) Alternative solvents to chloroform and EDC in the process may be given
12) Safety measures taken in the hydrogenation process to be explained in EIA and explore the possibility of using alternative catalysts in the hydrogenation process
13) In the monitoring protocols of ambient air, VOC to be incorporated
14) Solvent storage and solvent recovery system to be explained. Explain the % of loss, % of recovery and disposal of recovered solvents with scheme is to be furnished
15) Green chemistry adopted in the process to be highlighted and explained
16) List of banned chemicals to be provided and alternative chemicals for banned chemicals to be suggested
17) Recent baseline data generated by the KSPCB/CPCB if any and this shall be compared with the previous baseline data generated by the industry.
18) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research CSIR) institution working in the field of environment.
19) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
20) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.



Accordingly ToRs were issued on 15-06-2018. The proponent has submitted the EIA report on 11-9-2019 and the same was placed before the committee for appraisal.

The proponent and Environment consultant attended the 231st meeting held on 26-9-2019 for EIA presentation.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Prefeasibility report, EIA report and clarification/additional information provided during the meeting. The committee noted that as per the records and analysis carried out the proponent has stated that no damages have been done for Air, Water and soil by operating his unit without valid EC. But, however with abundant responsibility he carried out retribution analysis according to which he has quantified retribution cost to Rs.7,46,381/-. The committee also noticed that there is an averge 15% excess production over the permitted quantity and the value of this excess production comes to nearly 60.00 lakhs. For this the proponent has pleaded that the remediation cost should not be worked out on the value of excess production and also the unit was run under loss and also requested the committee to take into consideration the appreciation letter issued by the Forest Department for having carried out afforestation within the premises which they categorized it as a model to others. The committee after discussion and deliberation felt that Rs.25.00 lakhs towards the remediation charges can be levied on the proponent based on the above retribution analysis and also keeping in view the excess production made over and above the permitted quantity and hence the committee decided to recommend the proposal for delisting the same from violation category and issue of Environmental Clearance.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

Fresh subjects:

231.21 Proposed Residential Apartment Project at Sy.Nos.49/3,46/6, 46/5, 46/4, 46/3 46/2, 46/1 and 47 of Dommasandra Village and Sy.No.107 of Kumbena Agrahara Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District **By M/s. KMK DEVELOPERS PVT. LTD.(SEIAA 116 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. KMK Developers Pvt. Ltd., # 845, 5th Cross, 10th Main, 2nd Stage, Indiranagar, Bangalore - 560 038.
2	Name & Location of the Project	Residential Apartment Project with 1114 Flats

			Survey Nos. 49/3, 46/6, 46/5, 46/4, 46/3, 46/2, 46/1, 47, 57, 58, 61 of Dommasandra Village and Survey No. 107 of KumbenaAgrahara Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore.
3		Co- ordinates of the Project Site	Latitude : 13°01'16.61" N Longitude : 77°74' 66.18" E
4		Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Water bodies (Arial distance) – Chikkabanahalli Lake at about 1.45 Kms towards North West, YellamallappachettyKere at about 1.5 Kms towards North East, Kodigehalli lake at about 2 Kms towards South West and BidareAgrahara lake at about 2.1 Kms towards North direction from the project site.
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	No water body is located within or adjoining the project.
5		Type of Development	
	a.	New / Expansion / Modification	New Project
	b.	Residential Apartment / Villas/ Row Houses / Vertical Development / Office /IT/ITES/ Mall/ Hotel/ Hospital/ other	Residential Apartment Project with 1114 Flats
	c.	Residential Township/ Area Development Projects	Not Applicable.
6		Plot Area (Sqm)	63,181.60 sq m (15 Acres 24.50 Guntas)
7		Built Up area (Sqm)	1,44,373.21sq m
8		Building Configuration [Number of Blocks/ Towers/ Wings etc., with Numbers of Basements and Upper Floors]	Residential Apartments in 10 Towers and a Club house. • Tower1 to 10 consist of 2 Basements, Ground and 14 upper floors. • Club house consist of Ground and first floor.
9		Number of units in case of Construction Projects	Number of flats – 1114 Flats
10		Number of Plots in case of Residential Township/ Area	NA

	Development Projects		
11	Project Cost (Rs. In crores) towards expansion cost		Rs. 342,00,00,000/- (Rupees Three Hundred and Forty Two Crores Only)
12	Recreational Area in case of Residential Projects / Townships		NA
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	6,666.96sq m
	b.	Kharab Land	-
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	18,833.9sq m
	d.	Internal Roads	7,794.98sq m
	e.	Paved area	
	f.	Others Specifty	
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
	h.	Total	
14	Details of demolition debris and / or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	Construction debris generated for construction activity will be utilized for the paved area/ formation activities within the project site.
	b.	Total quantity of Excavated earth (in cubic meter)	The proposed project is residential apartment project having basement floors and earth excavation is necessary. The total quantity of excavated soil is about 77,400 cum, out of it about 19,000 cum will be used for landscape development, about 27,000 cum will be used for backfilling, about 8,000 cum will be used for paved area with in the project site and remaining soil of about 23,400 cum will be used for Soil Cement block manufacturing which will be used for Labor sheds & compound wall construction.
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	
	d.	Excess excavated earth (in cubic meter)	
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed	NA

		for such disposal		
15		WATER		
	I.	Construction Phase	Presently construction activity in the project is not started	
	a.	Source of water	SheegehalliGrama Panchayat Sources	
	b.	Quantity of water for Construction in KLD	NA	
	c.	Quantity of water for Domestic Purpose of KLD	50 KLD	
	d.	Waste water generation in KLD	45 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Sewage generated from the labor camp will be treated in package STP of capacity 50 KLD	
II.		Operational Phase		
	a.	Total Requirement of Water in KLD	Total water requirement	769 KLD
			Wastewater generated	693KLD
			Water recycled for flushing	259 KLD
	b.	Source of water	Sheegehalli Gram Panchayath Sources/ Borewell.	
	c.	Waste water generation in KLD	693 KLD	
	d.	STP capacity	700 KLD	
	e.	Technology employed for Treatment	-	
	f.	Scheme of disposal of excess treated water if any	The treated sewage will be re-used for gardening, flushing of toilet, car washing, paved area washing etc.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	200 cum/day capacity roof top rain water storage tank is proposed	
	b.	No's of Ground water recharge pits	--	
17		Storm water management plan	Appended in the report	
18		WASTE MANAGEMENT		
	I.	Construction Phase	Presently construction activity in the project is not started	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Total solid waste generated from the project site is 3342 Kg/day Organic solid waste will be treated in an organic converter, the product will used as manure for Landscape. The inorganic waste is sent for recycling.	
	II.	Operational Phase		

	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	2005Kg/day will be treated in an organic converter.
	b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	1337Kg/day will be handed over to recyclers.
	c.	Quantity of Hazardous Waste generation and mod of Disposal as per norms	1000 Litres/annum will be disposed to KSPCB approved and CPCB register waste oil re-processors.
	d.	Quantity of E waste generation and mode of Disposal as per norms	NA
19	POWER		
	a.	Total Power Requirement – Operational phase	6,500 kVA is being augmented from BESCOM
	b.	Number of DG set and capacity in KVA for Standby Power Supply	4 X 1250 kVA capacity DG sets are proposed which will be provided with adequate stack height.
	c.	Details of Fuel used for DG Set	Ultra-Pure Low Sulphur Content Diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Details appended
20	PARKING		
	a.	Parking Requirement as per norms	1261 cars
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	-
	c.	Internal Road width (RoW)	8 m wide fire driveway provided all-round the buildings
21	Any other information specific to the Project (Specify)		-

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 26-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. As per the village survey map there is a primary nala touching on the north east boundary of the project site for which the proponent has stated that he has left 50 meter buffer zone. The project consists of building a public road from Dommasandra – Bellathur village road

connecting project site and the land area for this connectivity road has already been relinquished to BDA and as per the condition imposed by BDA the proponent has stated that he will build this road to a length of 270 meter at his own cost. In the village survey map there are two nalas crossing this approach road one at the beginning of the approach and the another in the middle of the approach road for which the proponent has stated that he has left 15 meter buffer zone and the approach road in this portion he said that he will build a road at the elevated level leaving the buffer zone undisturbed. The proponent has stated that this project has been taken under Pradhan Mantri Awaaz Yojana(PMAY).

As far CER is concerned the proponent has stated that he has earmarked Rs.7.00 crores towards remediation works in rain devastated Kodagu district.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 15% of the parking space shall be reserved for electric vehicles with recharging facility.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

ToR Proposals

231.22 Proposed Common Treatment, Storage & Disposal Facility of Landfillable Hazardous Waste Project at KIADB Industrial Area, Harohalli Phase-III, Plot Nos.667 to 689 of Jakkasandra Village Near Harohalli, Kanakapura Taluk, Ramanagara District **by M/s. Mother Earth Environ Tech Pvt Ltd(SEIAA 30 IND 2019)**

<table>
<tr><td>Sl. No</td><td>PARTICULARS</td><td>INFORMATION</td></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Mr. T.N. Paramesh
Managing Director
M/s Mother Earth Environ Tech Pvt Ltd
#2542,17th Main ,28th Cross, BSK 2nd stage, Bangalore</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>M/s Mother Earth Environ Tech Pvt Ltd (unit 2) Plot no.667 to 689, Harohalli KIADB Industrial Area Phase III, Ramanagar District</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><td>ordinates</td><td>Latitude</td><td>Longitude</td></tr><tr><td>A</td><td>12º39'33.63"N</td><td>77º25'56.59" E</td></tr><tr><td>B</td><td>12º39'33.89"N</td><td>77º26'05.78" E</td></tr><tr><td>C</td><td>12º39'30.45"N</td><td>77º26'04.99" E</td></tr><tr><td>D</td><td>12º39'29.65"N</td><td>77º25'59.13" E</td></tr><tr><td>E</td><td>12º39'27.70"N</td><td>77º25'58.85" E</td></tr></table></td></tr>
</table>

			F	12º39'27.68"N	77º25'56.51" E
4	Environmental Sensitivity				
	a.	Distance fromNearest Lake/ River/ Nala	The nearest lake is Bannikuppe lake located in Northern direction from the project site at a distance of 380m. R.Swarnamukhi flowing at a distance 2.5 km in SW direction.		
	b.	Distance from Protected area notified under wildlife protection act	Baneerghatta National park at a distance of 22.6kms in NE Direction		
	c.	Distance from the interstate boundary	-		
	d.	whether located in critically / severally polluted area as per the CPCB norms	The proposed site is not classified as critical habitat area		
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		Sl No.7(d) as per Schedule of EIA Notification,2006 & Category 'B'		
6	New/ Expansion/ Modification/ Product mix change		New		
7	Plot Area (Sqm)		8.83 Acres		
8	Built Up area (Sqm)		17486 square meters		
9	Component of developments		Common hazardous waste treatment, storage and disposal facility. Only for Direct Landfill and landfilling Hazardous Waste after treatment.		
10	Project cost (Rs. In crores)		Rupees 40 Crores		
11	Details of Land Use (Sqm)				
	a.	Ground Coverage Area	14296 sqm (land fillable area)		
	b.	Kharab Land	-		
	c.	Internal Roads	3m wide		
	d.	Paved area	-		
	e.	Parking	450 sqm		
	f.	Green belt	11800 sqm		
	g.	Others Specify (Other Infrastructure)	9225 sqm		
	h.	Total	35771sqm		

12	Products and By- Products with quantity (enclose as Annexure if necessary)		**NA**	
13	Raw material with quantity and their source (enclose as Annexure if necessary)		Lime, Cement, Flyash and other waste conditioning/ binding agents will be used for waste pre-treatment before landfilling.	
14	Mode of transportation of Raw material and storage facility		Mode of transportation of Raw material is by road ways and Storage shed for wastes (Temporary storage sheds of capacity 6000 MT and covered storage for the stabilisation process will be provided).	
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		**NA**	
16	Fly ash production, storage and disposal details whereas coal is used as fuel		**NA**	
17	Complete process flow diagram and technology employed		Detailed in PFR	
18	Details of Plant and Machinery with capacity/ Technology used		Detailed in PFR	
19	Details of VOC emission and control measures wherever applicable		Not applicable	
20	WATER			
	I.	Construction Phase		
	a.	Source of water	KIADB supply	
	b.	Quantity of water for Construction in KLD	-	
	c.	Quantity of water for Domestic Purpose in KLD	-	
	d.	Waste water generation in KLD	-	
	e.	Treatment facility proposed and scheme of disposal of treated water	-	
	II	Operational Phase		
	a.	Source of water	KIADB supply	
	b.	Total Requirement of Water in KLD	Fresh	30
			Recycled	-
			Total	30
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	15 (laboratory & Gardening) 10(Cleaning & washing)
			Recycled	-

			Total	25
	d.	Requirement of water for domestic purpose in KLD	Fresh	5
			Recycled	-
			Total	5
	e.	Waste water generation in KLD	Industrial effluent	6.5 (Inclusive of Leachate generation, Lab waste water and vehicle wash water)
			Domestic sewage	4.25
			Total	10.75
	f.	ETP/ STP capacity	Modular STP of 5KLD capacityfor domestic waste water. Industrial Effluents - The leachate waste water and washings of the truck will be stored securely, laboratory waste will be collected pretreated and handed over to CETP for treatment and disposal	
	g.	Technology employed for Treatment	Zero liquid discharge	
	h.	Scheme of disposal of excess treated water if any	-	
21	Infrastructure for Rain water harvesting		-	
22	Storm water management plan		Drainages provided for storm water flow	
23	Air Pollution			
	a.	Sources of Air pollution	Detailed in PFR	
	b.	Composition of Emissions	detailed inPFR	
	c.	Air pollution control measures proposed and technology employed	Stack of adequate height and noise enclosure will be provided for DG set. Movement of vehicles will be properly regulated.	
24	Noise Pollution			
	a.	Sources of Noise pollution	DG set	
	b.	Expected levels of Noise pollution in dB	-	
	c.	Noise pollution control measures proposed	Acoustic enclosures will be provided for DG set	
25	WASTE MANAGEMENT			
	I.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable	Detailed in PFR
			Non- Biodegradable	

	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	

Sl. No.	Waste Category	Type of Hazardous waste generated	Handling & mode of disposal
1.	5.1	Used Oil/Lubricant oil (l)	Shall be collected in leak proof containers and disposed only to registered reprocessers/common collection Centre provided the oil meets the standards as per schedule- 5 of the Rules.
2.	5.2	Used bags (Contaminated with chemicals and oil)	Landfill.
3.	5.2	Oil soaked cotton waste	Shall be stored in secure manner andhanded over to KSPCB authorized incinerator.
4.	5.2	Oil contaminated filters	Shall be stored in secure manner and handed over to KSPCB authorized incinerator.
5.	5.2	Contaminated hand gloves, gum boots, PPEs etc.,	Shall be stored in secure manner and same will be handed over to Incineration.

	c.	Quantity of E waste generation with source and mode of Disposal as per norms	-
26		Risk Assessment and disaster management	-
27		POWER	
	a.	Total Power Requirement in the Operational Phase with source	The power requirement for the project is augmented from BESCOM.
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Further one diesel generator of 50 kVA capacity is proposed to be installed to serve as an alternative source of power supply to this unit
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	Diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	-
28		PARKING	
	a.	Parking Requirement as per norms	Shown in Plant layout plan
	b.	Internal Road width (RoW)	Shown in Plant layout plan
29		Any other information specific to the project (Specify)	-

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231st meeting held on 26-9-2019 to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report and clarification/additional information provided during the meeting.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies in accordance with EIA Notification 2006. The committee also prescribed the following additional ToRs.

1) Compliance to the siting guidelines with relevant NOCs from the competent authorities viz., KIADB, Forest Department and other relevant departments to be submitted.
2) NoC from the KIADB indicating that there is no area left for park, not permitting any food processing and manufacturing, pharmaceutical units and prohibiting extraction of ground water within the 500 meter from the project.
3) Detailed description of flora and fauna within 10 KM/15 KMs aerial distance of the project area and if there are schedule-I fauna the proponent to submit biodiversity action plan in consultation with forest department along with budget backup.
4) Surface hydrology of the surrounding area along with micro water shed studies to be submitted.
5) Land use land cover analysis of the study area based on high resolution satellite imagery may be done and submitted.
6) Justification for claiming exemption from public hearing may be detailed and submitted.
7) NoC from KIADB to put up this type of project may be submitted.
8) Certificate from Competant Authority regarding the distance from the Bannerghatta National Park.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.23 Proposed Commercial Building Project "Prestige Tech Forest"at Sy.Nos.47/1, 47/2, 47/3, 47/4, 47/5, 47/6 of Varthur Village, Varthur Hobli, Sy.No.s.58, 59/1, 59/2, 59/3, 60/1P, 60/2, 62/1, 62/2G, 63/3B of Khane Khandaya Village, Varthur Hobli, Sy.Nos.340/2, 340/3, 341/1, 341/2, 341/3, 341/4, 341/5, 342, 343/1, 343/2, 343/3, 344, 345/2, 346, 347, 349/P of Amani Bellandur Khane Village, Varthur Hobli, Bangalore East Taluk, Bangalore Urban District **by M/s. Sterling Gera Residence Pvt Ltd(SEIAA 131 CON 2019)**

Sl.	PARTICULARS	INFORMATION

No		
1	**Name & Address of the Project Proponent**	**Mr. Zaid Sadiq** **Executive Director** **Prestige Group** The Falcon House No.1 Main Guard Cross Road Bengaluru -560001
2	**Name & Location of the Project**	**Prestige Tech Forest of M/s. STERLING GERA RESIDENCE PVT. LTD** Survey No's. 47/1,47/2,47/3,47/4,47/5,47/6 of Varthur Village, Varthur Hobli, Survey No's. 58,59/1,59/2,59/3,60/1P,60/2,62/1,62/2G of Khane Khandaya Village, Varthur Hobli, Survey No's. 40/2,340/3,341/1,341/2,341/3, 341/4, 341/5,342, 343/1,343/2,343/3, 346,344,345/2,346,347,349/Pof Amani Bellandur Khane Village, Varthur Hobli, Bangalore East Taluk, Bangalore District, Karnataka.
3	**Co-ordinates of the Project Site**	Latitude: 12° 56' 59.16" N Longitude: 77° 44' 46.77" E
4	**EnvironmentalSensitivity**	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Shreelavanthakere at 1.61 km (N) Thubarahalli Lake at 2.24 (NW) Belandur Lake at 7.25 km (W)
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	Two nala's are situated at North and South East of the project site.
5	**Type of Development**	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development of Commercial Building
b.	Residential Township/ Area Development Projects	Not Applicable
6	**Plot Area (Sqmt)**	**72,589.88** Sqmt
7	**Built Up area (Sqmt)**	**2,76,151.97** Sqmt
8	**Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]**	The project involves construction of Commercial building with a configuration of core 1,2,3 and 4 Core 1- 2BF+GF+13F+Terrace Core 2- 2BF+GF+13F+Terrace Core 3- 2BF+GF+13F+Terrace Core 4- 2BF+GF+1GF

		Maximum height of 57.15 m.
9	**Number of units in case of Construction Projects**	Commercial building
10	**Number of Plots in case of Residential Township/ Area Development Projects**	Not applicable
11	**Project Cost (Rs. In Crores)**	326.64Crores
12	**Recreational Area in case of Residential Projects / Townships**	Not Applicable
13	**Details of Land Use (Sqmt)**	
a.	Ground Coverage Area	16,897.49 Sqmt
b.	Kharab Land	1,214.05Sqmt
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	23,628Sqmt
d.	Internal Roads	11,595.03 sqmt
e.	Paved area	5,939.06 sqmt
f.	Others Specify	Parking area – 4,963.87 sqmt Podium Landscape area – 8,352.38 sqmt
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--
h.	Total	72,589.88 Sqmt
14	**Details of demolition debris and / or Excavated earth**	
a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	Not Applicable since it is new project
b.	Total quantity of Excavated earth (in cubic meter)	2,70,000 Cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	2,70,000 Cum completely utilised within the project site
d.	Excess excavated earth (in cubic meter)	There is no excess excavated earth
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Backfilling, foundation, road area and for gardening
15	**WATER**	
I.	**Construction Phase**	
a.	Source of water	STP treated water for construction purpose External tanker water for domestic purposes
b.	Quantity of water for	50 KLD

	Construction in KLD		
c.	Quantity of water for Domestic Purpose in KLD	18 KLD	
d.	Waste water generation in KLD	15.3 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	will be treated in mobile STP	
II.	**Operational Phase**		
a.	Total Requirement of Water in KLD	**Domestic**	560 KLD
		Recycled	450 KLD
		Total	1010 KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	909 KLD	
d.	STP capacity	1000 KLD	
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
f.	Scheme of disposal of excess treated water if any	Not found will be managed within the site	
16	**Infrastructure for Rain water harvesting**		
a.	Capacity of sump tank to store Roof run off	1×277	
b.	No's of Ground water recharge pits	25 no's tube wells	
17	**Storm water management plan**	• Land is gently sloping terrain and sloping towards South East direction. • Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads. • Rainwater collection tank of capacity1×277 KL is proposed which will be provided to collect the roof run off, which will be reused after prior treatment. • 25 number of tube wells will be provided to recharge the ground water within the site; excess runoff during the monsoon period finds its way to external storm water drain	
18	**WASTE MANAGEMENT**		
I.	**Construction Phase**		
a.	Quantity of Solid waste generation and mode of Disposal as per norms	Quantity –40kg/day Solid waste will be collected manually and handed over to local body for further processing	
II.	**Operational Phase**		
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	Quantity - 1.45 MT/day Organic wastes will be segregated & collected separately and processed in organic waste converter	

		Sludge generated from STP of capacity 100 kg/day will be reused as manure for greenery development purposes.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity - 2.16kg/day Recyclable waste will be given to the waste collectors for recycling for further processing.
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste oil generated from the DG sets will be collected in leak proof barrels and handed over to the authorized waste oil recyclers.
d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	E-Wastes will be collected & stored in bins and disposed to the authorized & approved KSPCB E-waste processors.
19	**POWER**	
a.	Total Power Requirement -Operational Phase	BESCOM15378 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	8 X 2500 KVA
c.	Details of Fuel used for DG Set	High speed diesel fuel
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, CFL and LED lights, Copper wound transformer are proposed in the project.
20	**PARKING**	
a.	Parking Requirement as per norms	Required = 3839 no's, Provided = 3839 no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	
c.	Internal Road width (RoW)	Approach road width - 24 m Internal road width is - 8 m Fire driveway - 8m

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the meeting to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, IA, Conceptual plan, and clarification/additional information provided during the meeting.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies in accordance with EIA Notification 2006. The committee also prescribed the following additional ToRs.

1) Details of the Kharab land and its position on the village survey map may be detailed and submitted.
2) Ground water potential in the study area may be studied and submitted.
3) Scheme for waste to energy plant to process the organic waste generated from the entire project.

4) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
5) Utilization of the entire terrace for solar power generation as well as solar thermal for HVAC may be worked out and submitted.
6) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
7) Rain water harvesting/storage details may be worked out.
8) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
9) To submit the scheme for development of greenery with the number and kind of tree species as per the norms.
10) The applicability of the recent Hon'ble Supreme court order on buffer zone for water bodies and nalas may be studied and submitted.
11) ECBC norms to be fully complied with for design and choice of equipments. Simulation studies to be conducted and quantify the energy savings.
12) Carbon footprint to be estimated for construction and operation phase. Suitable offsets to be implemented, quantified and detail calculation to be submitted to try and achieve near zero carbon foot print.
13) Traffic simulation studies to be conducted for present and projected traffic densities along with transportation study for construction phase. Traffic plan to be prepared in order to reduce vehicular emissions and project the vehicular emissions through linear air modeling.
14) Details of land conversion to put up this kind of project may be furnished.
15) Possibility of going for CNG/PNG gensets may be studied and submitted

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

27th September 2019

Members present in the meeting:

Shri. N. Naganna	-	Chairman
Dr. B. Chikkappaiah,IFS(R)	-	Member
Dr. N. Krishnamurthy	-	Member
Dr. M.I. Hussain	-	Member
Dr. K.B Umesh	-	Member
Shri M. Srinivasa	-	Member
Shri J.G Kaveriappa	-	Member
Dr. Vinod kumar C.S	-	Member
Shri. Vyshak V. Anand	-	Member
Shri. D. Raju	-	Member
Shri Mohammed Saleem I Shaikh	-	Member
Shri. VijayaKumar,IFS	-	Secretary

EIA Subject

231.24 Proposed Establishment of manufacturing industry for Pharmaceutical Steroidal, Active Pharmaceuticals Ingredients at Plot No.67, KIADB Industrial Area, Vasanthapura, Tumkuru **by M/s. Natural Capsules Ltd(SEIAA 02 IND 2019)**

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		Mr. Sunil Mundra Managing Director, M/s. Natural Capsules Limited Trident Towers, Fourth floor, No-23, 100 feet road, Jayanagar II block Banglore-560011.
2	Name & Location of the Project		M/s. Natural Capsules Limited Plot No- 67,KIADB Industrial area, Vasanthanarsapura Industrial Area Tumkur-572128 district, Karnataka.
3	Co-ordinates of the Project Site		Project site lays at Longitude 130 29'57.83" N & Latitude 77° 02' 02.11" E and altitude at 1128 feet.
4	Environmental Sensitivity		
	a.	Distance fromNearest Lake/ River/ Nala	-
	b.	Distance from Protected area notified under wildlife protection act	-
	c.	Distance from the interstate boundary	-
	d.	whether located in critically / severally polluted area as per the CPCB norms	-
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		Serial no. 5(f) of the schedule i.e., Synthetic organic chemicals industry (dyes & dye intermediates; Bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) and category "B" project.
6	New/ Expansion/ Modification/ Product mix change		New
7	Plot Area (Sqm)		20280 SQM
8	Built Up area (Sqm)		7392 SQM
9	Component of developments		Pharmaceutical steroids and API's, Intermediates manufacturing industry and supporting infrastructures.

10	Project cost (Rs. In crores)		Rs. 36.57 Crores
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	20280 SQM
	b.	Kharab Land	-
	c.	Internal Roads	Shown in layout plan drawing
	d.	Paved area	4766 SQM (including internal road)
	e.	Parking	Provided inside factory premises
	f.	Green belt	6692.4SQM
	g.	Others Specify	-
	h.	Total	20280 SQM
12	Products and By- Products with quantity (enclose as Annexure if necessary)		Proposed products is enclosed as Annexure.

Annexure

Products propose to be manufactured

Sl. No.	Product	Quantity Kg/Month
1	Betamethasone	1250
2	Dexamethasone	500
3	Betamethasone Dipropionate	100
4	Betamethasone Acetate	50
5	Betamethasone Valerate	100
6	Beclomethasone Dipropionate	100
7	Betamethasone sodium phosphate	100
8	Dexamethasone sodium phosphate	100
9	Dexamethasone Acetate	50
10	Budesonide	100
11	Deflazacort	200
12	Clobetasole propionate	200
13	Flumethasone	100
14	Fluticasone Propionate	20
15	Halobetasole propionate	20
16	Hydrocortisone	500
17	Methyl prednisolone	100
18	Methyl prednisolone acetate	20
19	Mometasone Furoate	100
20	Prednisolone sodium phosphate	100
21	Triamcinolone	50
22	Triamcinolone Acetonide	100
23	Triamcinolone Hexacetonide	10
24	Prednisolone Acetate	100
25	Calcitriol (Vitamin-D)	0.01
26	Methyl cobalamin (Vitamin-B12)	100
27	9-Hydroxy 4 androstene 3,17 dione(9OHAD)	2000
28	4 androstene 3,17 dione(4AD)	1000

	29	1,4 androstene 3,17 dione(ADD)	1000	
	30	11 hydroxy 4 androstene 3,17dione(11 OH AD)	1000	
	31	11 hydroxy 1,4androstene 3,17dione(11 OH ADD)	1000	
	32	Prednisolone	500	
	33	Prednisolone Acetate(fermetation)	100	
	34	Sitolactone	100	
	35	6-Methyl prednisolone	100	
	36	6-Methyl 1,4 androstane 3,17 dione	100	
	37	Ethisterone	1000	
	38	16 alfa methyl epoxide(8DM)	150	
	39	16 betamethylepoxide(DB-11)	150	
	40	3 Tetrane acetate(3TR)	250	
	41	16-alfa hydroxy prednisolone(16HPN)	150	
	42	5TR	150	
	43	19-Nor-4-Androsterodione	150	
		Total	13070.01	

13	Raw material with quantity and their source (encloses as Annexure if necessary)		The raw materials required and their quantities are detailed in PFR report chapter 3, section 3.6
14	Mode of transportation of Raw material and storage facility		Detailed in PFR report in chapter 3, section 3.6
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		-
16	Fly ash production, storage and disposal details whereas coal is used as fuel		-
17	Complete process flow diagram and technology employed		Process description of individual products and process flow diagram, raw material consumption detailed inPFR.
18	Details of Plant and Machinery with capacity/ Technology used		Detailed in PFR
19	Details of VOC emission and control measures wherever applicable		Detailed in PFR, chapter 3, section 3.11
20	WATER		
	I.	Construction Phase	
	a.	Source of water	Water requirement is met from KIADB supply/Borewell
	b.	Quantity of water for Construction in KLD	-
	c.	Quantity of water for Domestic Purpose in KLD	-
	d.	Waste water generation in KLD	-
	e.	Treatment facility proposed and scheme of disposal of treated water	-
	II	Operational Phase	

	a.	Source of water	Water requirement is met from KIADB supply/ Borewell water	
	b.	Total Requirement of Water in KLD	Fresh	114.5 KLD
			Recycled	-
			Total	114.5KLD
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	93 KLD
			Recycled	-
			Total	93 KLD
	d.	Requirement of water for domestic purpose in KLD	Fresh	15 KLD
			Recycled	-
			Total	15 KLD
	e.	Waste water generation in KLD	Industrial effluent	53.5KLD
			Domestic sewage	12KLD
			Total	65.5KLD
	f.	ETP/ STP capacity	Effluents will be segregated into HTDS and LTDS. HTDS effluents will be treated in ETP consisting of solvent stripper, MEE followed by ATFD. Condensate will be reused for utilities makeup after treating along with LTDS effluents and sewage in biological treatment plant followed by RO and Ultrafiltration. RO permeate will be recycled and rejects will be taken to MEE. The effluent treatment facility is based on Zero Liquid Discharge concept.	
	g.	Technology employed for Treatment	Zero Liquid Discharge	
	h.	Scheme of disposal of excess treated water if any	Cooling tower makeup/ excess will be used for greenbelt development.	
21	Infrastructure for Rain water harvesting		-	
22	Storm water management plan		-	
23	Air Pollution		-	
	a.	Sources of Air pollution	Detailed in PFR chapter 3, section 3.11	
	b.	Composition of Emissions	SO_2, NOx, Particulate Matters	
	c.	Air pollution control measures proposed and technology employed	Detailed in PFR chapter 3, section 3.11	
24	Noise Pollution			
	a.	Sources of Noise pollution	Detailed in PFR, chapter 3, section 3.12	
	b.	Expected levels of Noise pollution in dB	Within the limits KSPCB prescribed for industrial area.	

<table>
<tr><td></td><td>c.</td><td>Noise pollution control measures proposed</td><td colspan="2">Detailed in PFR, chapter 3, section 3.12</td></tr>
<tr><td>25</td><td colspan="4">WASTE MANAGEMENT</td></tr>
<tr><td rowspan="4"></td><td>I.</td><td colspan="3">Operational Phase</td></tr>
<tr><td rowspan="2">a.</td><td rowspan="2">Quantity of Solid waste generated per day and their disposal</td><td>Biodegradable</td><td rowspan="2">Solid Waste:
Office waste like paper etc. is expected.
Plastic drums and bags will be sold to KSPCB authorized recycler.</td></tr>
<tr><td>Non- Biodegradable</td></tr>
<tr><td>b.</td><td>Quantity of Hazardous Waste generation with source and mode of Disposal as per norms</td><td colspan="2">Detailed in PFR, chapter 3, section 3.10</td></tr>
<tr><td>c.</td><td>Quantity of E waste generation with source and mode of Disposal as per norms</td><td colspan="2">-</td></tr>
<tr><td>26</td><td colspan="2">Risk Assessment and disaster management</td><td colspan="2">-</td></tr>
<tr><td>27</td><td colspan="4">POWER</td></tr>
<tr><td rowspan="4"></td><td>a.</td><td>Total Power Requirement in the Operational Phase with source</td><td colspan="2">Source: BESCOM
Power requirement: 1600 KVA</td></tr>
<tr><td>b.</td><td>Numbers of DG set and capacity in KVA for Standby Power Supply</td><td colspan="2">Three DG sets of 500 KVA will be provided as a power backup.</td></tr>
<tr><td>c.</td><td>Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,</td><td colspan="2"><table><tr><td>Sources</td><td>Capacity</td><td>fuel</td></tr><tr><td>DG sets</td><td>500 KVA - 3Nos.</td><td>HSD</td></tr><tr><td>Boiler (Briquette fuel)</td><td>10 TPH x 1 No.
0.5 TPH x 2 Nos</td><td>Briquette</td></tr></table></td></tr>
<tr><td>d.</td><td>Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007</td><td colspan="2">-</td></tr>
<tr><td>28</td><td colspan="4">PARKING</td></tr>
<tr><td rowspan="2"></td><td>a.</td><td>Parking Requirement as per norms</td><td colspan="2">Provided as per standard</td></tr>
<tr><td>b.</td><td>Internal Road width (RoW)</td><td colspan="2">Detailed in Plant layout plan.</td></tr>
<tr><td>29</td><td colspan="2">Any other information specific to the project (Specify)</td><td colspan="2"></td></tr>
</table>

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the meeting to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report and clarification/additional information provided during the meeting.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies. The committee also prescribed the following additional ToRs.

1) Water allocation for the industry from forth coming Yethinahole and upper bhadra projects may be ascertained and furnished.
2) Justification for putting up pharmaceutical unit in food parks or in the surrounding areas may be detailed with reference to the permissions obtained from the concerned authorities.
3) Measures taken to protect nalas and nearby water bodies in the vicinity of the project site may be detailed if no measures are taken the proposed measures may be detailed and submitted.
4) Justification for manufacturing of intermediate products may be detailed.
5) Good laboratory practices, good pharmaceuticals practices and good engineering practices may be detailed.
6) Feasibility for the fuel source for boilers such as CNG which is available nearby may be studied and submitted.
7) Detailed workings and layout plan for renewable energy harnessing at site using high efficiency solar panels from roof top may be detailed and submitted.
8) Location of solvent storage facilities is to be located nearer to the approach road this possibility may be studied and submitted.
9) Establish with layout plan the adoption of GMP for manufacturing your products supported by P & ID.
10) Based on experimental data, present the material balance / mass balance for each product with quantities of distillate residue, solvent loss and fugitive emissions. Also evaluate and present the ratio of (i) waste to product and (ii) raw material to product for each of the products proposed to be manufactured.
11) Enlist the raw materials with quantity with particular mention of any pyrophoric & highly reactive materials and precautions taken for their storage. Also mention any restricted/banned chemicals, if used in your product manufacture proposal.
12) Provide the solvents storage plan with quantity as per standard norms highlighting any special precautions adopted for storage.
13) Evaluate and present the quantity and quality of solid and gaseous waste generated and their scheme of disposal.
14) For the worst case scenario, evaluate and present the quantity and characteristics of effluent discharged and their scheme of disposal through ETP
15) Describe the measures proposed for in-house recovery of solvents mentioning the efficiency of recovery to minimum 95% for all the chemicals.
16) Identify and evaluate the steps in the manufacturing of your products that may represent risks to personnel or equipment and conduct a detailed investigation and present the hazop study along with risk assessment, disaster management for worst case scenario, all control

equipment and mitigation measures adopted, emergency preparedness and onsite emergency plan.

17) Present the scheme proposed for separation of high TDS effluent and its treatment & disposal through MEE used, justifying the stages and design parameters.
18) Evaluate the hydrogenation process (if adopted) and give a detailed description of the safety measures and precautions taken.
19) Highlight the green chemistry adopted with particular mention of your efforts to replace toxic solvents and reagents such as EDC, MDC, chloroform, butyl lithium, lithium aluminium hydride, sodium borohydride, thionyl chloride, THF etc wherever done and if bromination is done using bromine, better alternatives to bromine as brominating agent.
20) Special precautions adopted for the manufacture of steroid drugs may be detailed.
21) Prepare and submit environmental sustainability report on the organisation as per G4 framework.

Accordingly ToRs were issued on 27-3-2019 and the same was placed before the committee for appraisal.

The proponent and Environment consultant attended the 231st meeting held on 27-9-2019 for EIA presentation.

The committee after discussion decided to reconsider after submission of the following information.

1) Revise the activities under CER focusing mainly on immediately affected water bodies of the nearest village.
2) Resubmit the list of fauna if there are any Schedule-I species, prepare and submit biodiversity action plan.
3) To explore and submit the alternative to the phyrophoric substances used in the process.

Action: Secretary, SEAC to put up the proposal before SEAC after submission of the above information.

Fresh subjects:

231.25 Proposed Building Stone Quarry Project at Sy.No.73/1A/1 (P) of Gokak Taluk, Belagavi District (1-20 Acres) **By Smt. Jayashree Mallapur (SEIAA 563 MIN 2019)**

Sl No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Smt. Jayashree S Mallapur Dhupdal village, Gokak Tq

		Belagavi	
2	Name & Location of the project	Sy No 73/1A/1 (P) Dhupdal Village, GokakTaluk, Belagavi	
3	Coordinates of the project site	Points	Longitude / Latitude
		A	E-74^{0}46' 31.7" / N-16^{0}13' 28.4"
		B	E-74^{0}46' 26.9" / N-16^{0}13' 28.6"
		C	E-74^{0}46' 26.6" / N-16^{0}13' 27.2"
		D	E-74^{0}46' 31.4" / N-16^{0}13' 27.1"
		X	E-74^{0}46' 34.7" / N-16^{0}13' 30.3"
4	Type of mineral	Building Stone	
5	New / Expansion / Modification / Renewal	New	
6	Type of land (Forest, Governemnt Revenue, Gomal, Private / patta, Other)	Govt land	
7	Whether the project site fall within ESZ / ESA	No	
8	Area in Ha	0.607	
9	Actual depth of sand in the lease area in case river sand	NA	
10	Depth of sand proposed to be removed	NA	
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	NA	
12	Measurements of the existing quarry pits in case of ongoing / expansion/ modification of the mining proposals other than river sand	NA (Fresh area)	
13	Annual production proposed (Metric tons / CUM) / Annum	15000 TPA	
14	Quantity of top soil / over burden in cubic meter	NA	
15	Mineral waste handled (metric tons / CUM) / Annum	309 TPA	
16	Project cost (Rs. in crore)	0.50	
17	Environment sensitivity		
	a. Nearest forest	Reserve forest – 5.00 kms	
	b. Nearest human habitation	Ghataprabha – 2.10 km (NW)	
	c. Educational institutions, hospital	Ghataprabha – 2.10 km (NW)	
	d. Water bodies	R. Ghataprabha– 3.00 Kms (W)	
	e. Others specify	NA	

18	Applicability of General Condition of the EIA Notification, 2006		
19	Details of land use in acres		
	a.	Area for mining / quarrying	0.331
	b.	Waste dumping area	0.025
	c.	Top soil storage area	-
	d.	Mineral storage area	-
	e.	Infrastucture area	-
	f.	Road area	-
	g.	Green belt area / buffer zone	0.251
	h.	Unexplored area	-
	i.	Others specify	-
20	Method of mining / quarrying		Semi mechanized open cast method
21	Rate of Replenishment in case River sand project		NA
22	Water requirement		
	a.	Source of water	Borewell
	b.	Total requirement of water in KLD	5 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area
24	Any other information specific to the project (specify)		NA

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 229th meeting held on 27-8-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that the Dhupadal village where this mining lease is situated is a village notified under villages covered under eco-sensitive zone of Ghataprabha Bird Sancutary for which the proponent has stated that he will come back with proper justification and required NoCs to take up this mining activities. Hence the committee decided to defer the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

231.26 Proposed Building Stone Quarry Project at Sy.No.203 of Chikkakereyaginahalli Village, Sandur Taluk, Ballari District (6-00 Acres) **By Sri Srimanth Patil (SEIAA 564 MIN 2019)**

Sl. No	Particulars	Information		
1	Name & Address of the Project Proponent	Building Stone Quarryby Sri SrimanthPatil S/o Basappa, House No 2-152, Ward No 21, Defedar Lane HosapeteTaluk, Ballari District of Karnataka State		
2	Name & Location of the Project	AQL falling in Part of Survey no203, at Chikkakereyaginahalli Village, SandurTaluk , Ballari District, Karnataka State.		
3	Co-ordinates of the Project Site	**Boundary Pillar**	**Latitude**	**Longitude**
		A	14°58'8.39" N	76° 23'27.49" E
		B	14°58'8.40" N	76° 23'235.79" E
		C	14°58'5.21" N	76° 23'35.80" E
		D	14°58'5.20" N	76° 23'27.50" E
4	Type of Mineral	Building Stone Quarry		
5	New / Expansion / Modification / Renewal	New.		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Land.		
7	Whether the project site fall within ESZ/ESA	NA		
8	Area in Ha	6.00 Acres (2.4283 Ha)		
9	Actual Depth of sand in the lease area in case of River sand/Patta Land Sand	NA		
10	Depth of Sand proposed to be removed	NA		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	1, 20,212 tonnes(Building Stone with Optimum production)		
12	Quantity of Topsoil/Over burden in cubic meter	Intriculate waste of quantity 22,105.17 tonnes, and Top Soil of quantity 22,673.84 Tonneswill be generated during Plan Period.		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Nil		
14	Project Cost (Rs. In Crores)	0.99Crores, i.e99 Lakhs(including the cost of machinery and additional preliminary works and working capital etc)		
15	Environmental Sensitivity			
	a. Nearest Forest	Shivapura Reserve Forest – 1.5 Kms (N)		
	b. Nearest Human Habitation	BandiBasapura Village – 2.7Kms (S)		
	c. Educational Institutes, Hospital	Sandur ata distance of 21Kms in North East direction from the lease haveEducational Institutes, Hospital facilities.		
	d. Water Bodies	ChikkakereyaginahalliKere 1.4 Kms (SE)		
	e. Other Specify	Nil		
16	Applicability of General Condition of the EIA Notification, 2006	NA		
17	Details of Land Use in Acres			
	a. Area for Mining/ Quarrying	3-25		
	b. Waste Dumping Area	0-04		
	c. Top Soil Storage Area	0-02		

	d.	Mineral Storage Area	0-04	
	e.	Infrastructure Area	0-01	
	f.	Road Area	--	
	g.	Safety Zone/Green Belt Area	0-38	
	h.	Unexplored area	1-06	
	i.	Others Specify Safety Zone	--	
18	Method of Mining/ Quarrying		Semi Mechanised Quarrying	
19	Water Requirement			
	a.	Source of water	Near By Borwell.	
	b.	Total Requirement of Water in KLD	Dust Suppression	6.00
			Domestic	1.30
			for plantation	7.00
			Total	**15.00**
20	Storm water management plan		Detailed in Environmental Management Plan	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 29-1-2019. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 29 meters within the mining area the committee opined that the proposed quantity of 5,52,298 tons or 209,999 cum can be mined safely and scientifically to a quarry pit depth of 5 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are no other leases within the 500 meter radius from this lease and hence the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 500 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.10.00 lakhs to take up sanitation, water supply, plantation and street lights to Shivapura Gollarahatti which is at distance of 1.5 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.27 Proposed proposed Building Stone Quarry Project at Sy.Nos.550/1 & 550/2 of Kotthalavadi Village, Chamarajanagara Taluk & District (4-16 Acres) **By Sri M. Sujendra (SEIAA 566 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri M. Sujendra, S/o M. Murthy, No. 201, Yanagalli Road, KilagereVillage, Chamarajanagara Taluk &District.
2	Name & Location of the Project	"Building Stone Quarry" Sy. No: 550/1 & 550/2, Kotthalavadi Village, Chamarajanagara Taluk, & District, Karnataka
3	Co-ordinates of the Project Site	GPS READING (DATUM WGS84) A = N11° 48' 33.8" E76° 50' 35.6" B = N11° 48' 31.7" E76° 50' 38.2" C = N11° 48' 27.8" E76° 50' 37.3" D = N11° 48' 28.4" E76° 50' 33.8" E = N11° 48' 29.4" E76° 50' 32.3"
4	Type of Mineral	**Building Stone Quarry**
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	1.779Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	It's a Building Stone Quarry
11	Rate of replenishment in case of	It's a Building Stone Quarry

	river sand mining as specified in the sustainable sand mining guideline 2016			
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		Fresh Land	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		96,980 Tons/annum	
14	Quantity of Topsoil/Over burden in cubic meter		As per the proposed quarryingprogramme over five year, no generation of top soil ,however if any small quantitygenerated it will be stocked & used for afforestation purposes.	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		1,979TPA	
16	Project Cost (Rs. In Crores)		0.69 crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	No Forest Within 5 kms	
	b.	Nearest Human Habitation	Kotthalavadi – 2.07 Km (W)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Chamarajanagara- 17.32 Km (NE)	
	d.	Water Bodies	Narasamangala Pond – 0.90 Kms(SE) Bokkepura pond – 1.30 Kms(NE)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006			
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	3-12	
	b.	Waste Dumping Area	0-01	
	c.	Mineral Storage Area	0-01	
	d.	Infrastructure Area		
	e.	Road Area	0-01	
	f.	Buffer Zone	1-01	
	g.	Unexplored area	--	
	h.	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	7.5 KLD
			Domestic	1.5 KLD

			Other	1.3 KLD
			Total	10.3 KLD
23	Storm water management plan		• Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving building stone mining in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and also obtained land conversion order and also the proposal got vetted by the District Task force.

As seen from the quarry plan there is a level difference of 7 meters within the mining area and taking this into consideration the committee opined that the proposed quantity of 1,82,293 cum or 4,84,900 tons can be mined safely and scientifically to a quarry pit depth of 12 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are no other leases within the 500 meter radius and hence the committee decided to categorise this proposal under B2 category and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 340 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.10.00 lakhs to take up rejuvenation of Narasamangala kere which is at a distance of 900 meters from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.

2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.28 Proposed Building Stone Quarry Project at Sy.Nos.185 & 188 of Marle Village, Chikkamagaluru Taluk & District (5-00 Acres) **By Sri M. Suresh (SEIAA 568 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**Sri. M. Suresh** S/o Sri. Murthy Naidu Hosamane, Bhadravathi Shivamogga, Karnataka.		
2	Name & Location of the Project	Building Stone Quarry in5-00 Acres of Govt. Land bearing Sy. No.185 &188. Village, Chikkamagaluru Taluk & District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 13°17'06.3"	E 75°53'12.3"
		B	N 13°17'02.0"	E 75°53'13.8"
		C	N 13°17'00.1"	E 75°53'08.7"
		D	N 13°17'04.0"	E 75°53'07.7"
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	New Quarry		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Acres	5-00 acres		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed in case of River sand	NA		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	NA		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA		
13	Annual Production Proposed	1,00,000(Avg.) Tons/ Annum		

	(Metric Tons/ CUM) / Annum			
14	Quantity of Topsoil/Over burden in cubic meter		None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		5,263/Annum	
16	Project Cost (Rs. In Crores)		0.40	
17	Environmental Sensitivity			
	a.	Nearest Forest	Kalapura S.F-300m E Sindigere S.F-6015 Km NE Kalhalli S.F-9.23 KM SE Chechigudda S.F-8.83 Km NW	
	b.	Nearest Human Habitation	Marle-2.80 Km	
	c.	Educational Institutes, Hospital	Chikkamagaluru which is Taluk head quarter-12.0 Km	
	d.	Water Bodies	Kalasapura Kere-4.93 Km E-SE Kabbakee Kere-3.14 KM S-SW Marle Kere-1.74 Km W-SW Magadi Kere-3.86 Km W-SW Kurubahalli Kere-4.4 Km W-NW Ishvarahalli Kere-7.84 Km E Kalsettyhalli Kere-9.00 Km W-Se Bandahalli Kere-6.04 K m SW Chikkanahalli Kere-7.41 KM W-NW Yogachi River-9.3 Km S-SW	
	e.	Other Specify	---	
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Acres-Guntas			
	a.	Proposed working	3-30	
	b.	Proposed Road	0-10	
	c.	Proposed Buffer Zone	1-00	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	3.60 KLD
			Domestic	0.75KLD
			Other	2.15 KLD
			Total	6.50 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving mining of building stone in government land. The lease has been notified on 3-7-2019. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 12 meters within the mining area the committee opined that the proposed quantity of 5,26,316 tons or 2,00,120 cum can be mined safely and scientifically to a quarry pit depth of 12 meters for a plan period of five years.

But as seen from the combined sketch there is one more lease within the 500 meter radius from this lease which forms cluster with this lease. Hence the extended combined sketch is necessary to ascertain other quarry leases which form part of this cluster for which the proponent has stated that he will come back with the necessary details.

Hence the committee after discussion and deliberation decided to defer the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

231.29 Proposed Building Stone Quarry Project at Sy.No.92/1B of Linganakoppa Village, Khalghatgi Taluk, Dharwad District (Q.L.No.826/11-12) (1-00 Acre) **By Sri H.J.Singh (SEIAA 569 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. H. J. Singh Flat No: 95, Haripriya Building, C.I.T.B Colony, Gandhi Nagar, Dharward District, Karanataka-580002
2	Name & Location of the Project	"Building Stone Quarry" of Sy No. 92/1B, Linganakoppa Village, Khalghatgi Taluk, Dharwad District, Karnataka

3	Co-ordinates of the Project Site	Corner Pillar	Latitude	Longitude
		A	N 15° 18' 27.34"	E 74° 58' 46.82"
		B	N 15° 18' 27.78"	E 74° 58' 49.22"
		C	N 15° 18' 29.35"	E 74° 58' 48.94"
		D	N 15° 18' 29.01"	E 74° 58' 46.43"
		WGS-84 DATUM		
4	Type of Mineral	**Building Stone**		
5	New / Expansion / Modification / Renewal	Renewal(QL No: 826/11-12)		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	0.404 Ha		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed	NA		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building Stone Quarry		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	596.3m Existing pit level		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	30,000Tons/annum		
14	Quantity of Topsoil/Over burden in Tons	2,230 Cu.m		
15	Mineral Waste Handled (Metric Tons/ CUM)	1,579Tons/annum		
16	Project Cost (Rs. In Crores)	0.81crores		
17	Environmental Sensitivity			
	a.	Nearest Forest	Lingankoppa Reserved Forest - 1.30 kms(W)	
	b.	Nearest Human Habitation	Linganakoppa - 1.00 km (NW)	
	c.	Educational Institutes, Hospital	Kalghatgi - 14.00 kms (SW)	
	d.	Water Bodies	Nirsagar kere - 0.70 Kms(N) Dhumvad pond - 3.60 Kms(NE)	

	e.	Other Specify	--	
18.	Applicability of General Condition of the EIA Notification, 2006		--	
19	Details of Land Use in Hectares			
	a.	Area for Mining/ Quarrying	0-22	
	b.	Waste Dumping Area	0-01	
	c.	Top Soil Storage Area	0-01	
	d.	Mineral Storage Area		
	e.	Infrastructure Area		
	f.	Road Area	0-01	
	g.	Green Belt Area/Buffer Zone	0-15	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanised Method Open quarrying	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	8.1 KLD
			Domestic	1.2 KLD
			Other	0.8KLD
			Total	10.1 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. As per the records the lease for this area was granted for the purpose of mining building stone in patta land during the year 2000 and proponent has stated that he has carried out mining activity for five years and no audit report for the excavated quantity is forth coming. However, the proponent has stated that as per the quarry pit measurement the total quantity mined is 64,372 tons or 24,200 cum. Now this has been freshly notified on 22-2-2019. The proponent has stated that he has obtained NoCs from Forest and Revenue departments and also obtained land conversion order.

As seen from the quarry plan excluding the quarry pit only 10 guntas of land is available for fresh mining and there is a level difference of 2 meters within the mining area and taking this into consideration only 20% of the proposed quantity of 56,390 cum or 1,50,000 tons can be mined safely and scientifically to a quarry pit of 12 meters.

As per the cluster sketch approved by DMG there are three other leases and the combined area of these four leases is 4 Acres 35 guntas and which being less than the threshold limit of 5 Hectares, the committee decided to categorise this proposal under B2 category and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 240 meters connecting lease area to all weather black topped road.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.30 Proposed Building Stone Quarry Project at Sy.No.26 of H.Thimmapura Village, Tarikere Taluk, Chikkamagaluru District (3-00 Acres) **By Sri M. Suresh (SEIAA 570 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**Sri. M. Suresh** S/o Sri. Murthy Naidu Hosamane, Bhadravathi Shivamogga, Karnataka.		
2	Name & Location of the Project	Building Stone Quarry in 3-00 Acres of Govt. Land bearing Sy. No.26. Village, Tarikere Taluk & Chikkamagaluru District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 13°45'18.10"	E 75°46'28.60"
		B	N 13°45'15.00"	E 75°46'26.50"
		C	N 13°45'15.80"	E 75°46'25.50"
		D	N 13°45'18.90"	E 75°46'27.80"
		E	N 13°45'22.50"	E 75°46'26.70"
		F	N 13°45'22.40"	E 75°46'28.80"
4	Type of Mineral	Building Stone		

5	New / Expansion / Modification / Renewal	New Quarry
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Acres	3-00 acres
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed in case of River sand	NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	NA
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	80,000(Avg.) Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	4,210/Annum

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. As seen from the combined sketch there are two leases within the 500 meter radius from this lease which forms cluster with this lease. Hence the extended combined sketch is necessary to ascertain other quarry leases which form part of this cluster for which the proponent has stated that he will come back with the necessary details.

Hence the committee after discussion and deliberation decided to defer the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

231.31 Proposed Building Stone Quarry Project at Sy.No.85/4 of Ugginakeri Village, Kalaghatgi Taluk, Dharwad District (1-00 Acres) **By Sri Ashok M. Gokul (SEIAA 571 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Ashok M. Gokul At & Post: Ugginkeri, Kalaghatgi Taluk, Dharwad District.
2	Name & Location of the Project	"Ugginakeri Building Stone Quarry" of Sri. Ashok M. Gokul Sy No. 85/4, Ugginakeri Village, Kalaghatgi Taluk, Dharwad District, Karnataka
3	Co-ordinates of the Project Site	CORNER PILLAR / LATITUDE / LONGITUDE A: 15°14'36.07" / 75°02'27.95" B: 15°14'35.65" / 75°02'32.11" C: 15°14'34.61" / 75°02'31.96" D: 15°14'34.95" / 75°02'27.88 MAP DATUM - WGS-84
4	Type of Mineral	**Building Stone**
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	0.404 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building Stone Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	550.50 m Existing pit level
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	5,000 Tons/annum

14	Quantity of Topsoil/Over burden in Tons		1,634 Tons	
15	Mineral Waste Handled (Metric Tons/ CUM)		263 Tons/annum	
16	Project Cost (Rs. In Crores)		0.69crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	Kurankoppa Reserved Forest – 5.30 kms(N)	
	b.	Nearest Human Habitation	Ugginakeri - 0.98 kms (W)	
	c.	Educational Institutes, Hospital	Kalghatgi – 10.40 kms (SW)	
	d.	Water Bodies	Kamadhenu Pond – 1.30 Kms(S) Ugginakeri pond – 2.10 Kms(NW)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006		--	
19	Details of Land Use in Hectares			
	a.	Area for Mining/ Quarrying	0.258	
	b.	Waste Dumping Area	--	
	c.	Top Soil Storage Area		
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area		
	f.	Road Area	0.044	
	g.	Green Belt Area/Buffer Zone	0.100	
	h.	Unexplored area	0.003	
	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Manual Method Open quarrying	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	7.85 KLD
			Domestic	1.25 KLD
			Other	0.80 KLD
			Total	9.9 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving building stone mining in patta land. The fresh lease for which lease has been notified on 7-7-2017 and this is a part of earlier lease of area 20 guntas granted during 2001 which was for five years and same has been renewed for further five years in 2006. The proponent has stated that he has carried out mining activity from 2001 and 2012 but the audit reports for this period is not forthcoming. However the proponent has stated that he has arrived at the already mined quantity based on the quarry pit measurements and it comes to 14,570 tons or 5,480 cum. The proponent has stated that he has obtained NoCs from Forest and Revenue Department and also land conversion order.

As seen from the quarry plan there is a level difference of 2 meters within the mining area and taking this into consideration and also the fact that the proponent has already mine 5,480 cum or 14,570 tons, the committee opined that the proposed quantity of 9,400 cum or 25,000 tons can be mined safely and scientifically to a quarry pit depth of 10 meters for a plan period of five years. It is observed that the lease area is at a distance of 85 meters from the public road and for which the DMG has permitted only manual mode of mining and for which the proponent has also agreed

As per the cluster sketch approved by DMG there are no other leases within the 500 meter radius from this lease area and hence the committee decided to categorise this proposal under B2 category and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 120 meters connecting lease area to all weather black topped road.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.32 Proposed Pink Granite Quarry Project at Sy.No.94/3 of Menasgera Village, Kushgati Taluk, Koppal District (7-00 Acres) **By Sri Vinod P. Rajolli (SEIAA 572 MIN 2019)**

Sl. No	Particulars	Information		
1	Name & Address of the Project Proponent	Pink Granite Quarry by SriVinod. P. Rajolli, S/o.Pundalikas, # 1202 A, HospetGalli, Near Markandeshwara Temple, Ward No.4, Ilkal , HunagundTaluk, Bagalkot District, Karnataka		
2	Name & Location of the Project	AQL falling in Part of Survey no 94/3 of Menasgera Village, KushtagiTaluk, Koppal District, Karnataka State		
3	Co-ordinates of the Project Site	**Boundary Pillar**	**Latitude**	**Longitude**
		A	15°53'27.40" N	76° 08'02.70" E
		B	15°53'26.30" N	76° 08'07.20" E
		C	15°53'25.50" N	76° 08'09.20" E
		D	15°53'20.90" N	76° 08'07.80" E
		E	15°53'22.60" N	76° 08'02.20" E
4	Type of Mineral	Pink Granite.		
5	New / Expansion / Modification / Renewal	New.		
6	Type of. Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Private Patta Land.		
7	Whether the project site fall within ESZ/ESA	NA		
8	Area in Ha	7.00 Acre (2.8330 Ha)		
9	Actual Depth of sand in the lease area in case of River sand/Patta Land Sand	NA		
10	Depth of Sand proposed to be removed	NA		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	3,527 Cum (Pink Granite Optimum production)		
12	Quantity of Topsoil/Over burden in cubic meter	Inarticulate waste of quantity 16,200.16 Cum, Top Soil of quantity 17,557.80 cum and OB of quantity 30,073 Cum will be generated during Plan Period.		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Nil		
14	Project Cost (Rs. In Crores)	1.19 Crores, i.e 119 Lakhs(including the cost of machinery and additional preliminary works and working capital etc)		

15	Environmental Sensitivity			
	a.	Nearest Forest	None within 5.0 Kms	
	b.	Nearest Human Habitation	ChikkakodahgalliKelaginaThanda - 1.9 Kms (W)	
	c.	Educational Institutes, Hospital	Ilkal at 7.5 Kms in North and Kushtagi is at 16 Kms in South direction from the lease haveEducational Institutes, Hospital facilities .	
	d.	Water Bodies	• Hire KodagaliKere at a distance of 2.5 Km (NW) • Miyanpurakere at a distance of 5.0 Km (SW) • Balkundi Tank at a distance of 5.0 Km (W) • HosahalliKere at a distance of 6.5 Km (SW) • Ilkal Stream flowing at a distance of 5.5 Km (NW to SW) from project site.	
	e.	Other Specify	Nil	
16	Applicability of General Condition of the EIA Notification, 2006		NA	
17	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	3-00	
	b.	Waste Dumping Area	0-10	
	c.	Top Soil Storage Area	0-04	
	d.	Mineral Storage Area	0-09	
	e.	Infrastructure Area	0-01	
	f.	Road Area	0-11	
	g.	Safety Zone/Green Belt Area	0-33	
	h.	Unexplored area	2-12	
	i.	Others Specify Safety Zone	--	
18	Method of Mining/ Quarrying		Semi Mechanised Quarrying	
19	Water Requirement			
	a.	Source of water	Near By Borwell.	
	b.	Total Requirement of Water in KLD	Dust Suppression	10.00
			Domestic	2.00
			for plantation	6.20
			Total	**18.20, app 19 KLD**
20	Storm water management plan		Detailed in Environmental Management Plan	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving ornamental stone mining in patta land. The proponent has stated that the project has been cleared by the District Task Force consisting representative of DMG, Revenue Dept., Forest Department. The lease has been notified on 27-9-2018.

As seen from the mining plan there is a level difference of 14 meters within the mining area and taking this into consideration the proposed gross quantity of 73,637 cum can be mined safely and scientifically. The proponent has stated that the recovery in the form of commercial blocks is 23% i.e., 16,936 cum and 25% i.e, 18,409 cum which is in form of khandas and 30% i.e., 22,091 cum in the form of building stone and the balance 22% i.e., 16,200 cum is a waste for which the proponent has stated that he has earmarked 14 guntas of land to handle the waste. As far as top soil is concerned the proponent has stated that he will deposit the top soil in the buffer zone area for plantation.

As per the cluster sketch prepared by DMG there are no other leases within the 500 meter radius from this lease area and this being less than the threshold limit of 5 Ha the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 1 KM connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs to take up rejuvenation of Hirekodagali kere which is a distance of 2.5 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.33 Proposed Kukanur Grey Granite Quarry over an area of 5-09 Acres(2.115 Ha) in Sy.Nos.79/2 & 79/3 at Kukanur Village, Yelburga Taluk, Koppal District by **Sri Basavanagouda Linganagouda Tondihal (SEIAA 578 MIN 2019)**

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri Basanagouda Linganagouda Tondihal Prashant Nagar, Kukanur-813 232 Yelburga Taluk, Koppal District
2	Name & Location of the Project	Kukanur Grey Granite Quarry QL.Applied, in 5-09 Acres(2.115 Ha) Sy.Nos. 79/2 & 79/3, Patta Land, Kukanur Village, Yelburga Taluk, Koppal District
3	Co-ordinates of the Project Site	sheet No 57 A/2 Latitude:N 15^0 30' 36.9" to N 15^0 30' 43.4" Longitude:E 76^0 00' 34.6" to E 76^0 00' 38.5"
4	Type of Mineral	Ornamental Stone
5	New / Expansion / Modification / Renewal	New
6	Type of Land(Forest, Government Revenue, Gomal,Private/Patta, Others	Patta Land
7	Whether the project site fall within ESZ / ESA	NO
8	Area in Ha.	2.115 Ha
9	Actual Depth of sand in the lease area in case of River Sand	NA
10	Depth of Sand proposed to be removed	NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guide line 2016.	NA.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh grant, No pit
13	Annual Production Proposed (Metric Tons/CUM)/Annum	5,000 Cum/Annum
14	Quantity of Top Soil / Over burden in cubic meter	No or Small quanity of Top Soil
15	Mineral Waste to be handled(Metric tonnes / CUM)/Annum	15,000 Cum/Annum

16	Project Cost (in Crores)		0.25 Crore	
17	Environmental Sensitivity			
	a.	Nearest Forest	No Reserve Forest within 10.0 kms.	
	b.	Nearest Human Habitation	Kakkihalli Village -0.92 kms SE	
	c.	Institutes, Hospital	Kukanur- 1.43 kms SW	
	d.	Water Bodies	Benakal Water Tank-5.43 kms South Seasonal Hire Hlla-7.77 kms South	
	e.	Others Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006.		--	
19	Details of Land Use in Acres			
	a.	Area for Mining /Quarrying	2.593 Acres (1.050 Ha)	
	b.	Waste Dumping Area	0.926 Acres (0.375 Ha)	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	0.313 Acres (0.127 Ha)	
	e.	Infrastructure Area	0.010 Acres (0.005 Ha)	
	f.	Road Area	0.027 Acres (0.011 Ha)	
	g.	Green Belt Area/Buffer Zone	0.457Acres (0.185 Ha)	
	h.	Unexplored Area	0.894 Acres (0.362 Ha)	
	i.	Others Specify	--	
		Total	5.22 Acres (5-09 Acres) (2.115Ha)	
20	Method of Mining / Quarrying		Open Cast Other Than Fully Mechanised Method (OTFM)	
21	Rate of replenishment in case of River Sand Project		NA	
22	Water Requirement			
	a.	Source of water	Borewell from nearby Village	
	b.	Total Requirement of Water in KLD	Domestic	1.49 KLD
			Gardening	1.50 KLD
			Dust Suppression	2.00 KLD
			Total	4.99 KLD
23	Storm water management plan		Drains will be constructed along the lease boundary & Check Dam at the end of the drain to contain the silt and sediments.	
24	Any other information specific to the project(Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent. The committee also noticed certain changes in the agenda and directed to change which shall be corrected and read as above.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and

clarification/additional information provided during the meeting. The committee noted that this is a proposal involving ornamental stone mining in patta land. The proponent has stated that the proposal has been got vetted by District Task force committee and based on this DMG has notified this lease. As per the quarry plan there is a level difference of 2.97 meter within the mining area and taking this into consideration committee opined that the proposed gross quantity of 1,00,000 cum can be mined safely and scientifically to a quarry pit depth of 12 meters. The proponent has also stated that the recovery is 25% i.e., 25,000 cum and the waste is 75% i.e 75,000 cum for which the proponent has stated that he will get the waste converted into building stone by taking suitable permissions from the concerned departments and the same has been reflected in the approved quarry plan.

As per the cluster sketch prepared by DMG there is one other lease within 500 meter radius from this lease area and the combined area of these two leases is 7 Acres 9 guntas and this being less than the threshold limit of 5 Ha the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 760 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs to take up rejuvenation of Benekal kere which is a distance of 5.43 KM from the project site.

The committee after discussion decided to reconsider after submission of District Task Force/Notification/Forest clearance certificates issued from the competent authorities.

Action: Secretary, SEAC to put up before SEAC after submission of above informations.

231.34 Proposed Building Stone Quarry Project at Sy.No.33 of Animitnahalli Village, Malur Taluk, Kolar District (2-00 Acres) **By M/s. J.P. Stone Crusher (SEIAA 579 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s J P Stone Crusher Haradakothuru Village Malur Taluk, Kolar District, Karnataka.
2	Name & Location of the Project	"Building Stone Quarry" of M/s J P Stone Crusher Sy No: 33, Animitnahalli Village, Malur Taluk, Kolar District, Karnataka

3	Co-ordinates of the Project Site	<table><tr><th>Boundary Points</th><th colspan="2">WGS 84 Spherical Coordinates</th></tr><tr><th></th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>12°56'35.50"N</td><td>78° 4'54.96"E</td></tr><tr><td>B</td><td>12°56'35.36"N</td><td>78° 4'56.68"E</td></tr><tr><td>C</td><td>12°56'30.34"N</td><td>78° 4'55.98"E</td></tr><tr><td>D</td><td>12°56'30.42"N</td><td>78° 4'54.25"E</td></tr><tr><td>Ref. 15</td><td>12°56'37.22"N</td><td>78° 5'06.67"E</td></tr><tr><td>Ref. 10</td><td>12°56'24.61"N</td><td>78° 5'06.62"E</td></tr></table>
4	Type of Project	**Building Stone**
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government GomalaLand
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	0.809 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed in case of River sand	NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's Building Stone.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	It's a Fresh Land
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	63,740TPA
14	Quantity of Topsoil/Over burden in cubic meter	No topsoil to be proposed during plan period
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	1,300 TPA
16	Project Cost (Rs. In Crores)	0.72 crores
17	Environmental Sensitivity	
	a. Nearest Forest	Nutve State Forest – 2.20 kms (S)
	b. Nearest Human Habitation	Kommanahalli -1.4Kms(W)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Tekal - 6.00Kms (NW)
	d. Water Bodies	Kommanahalli Pond – 1.15 Kms(W) Kanagala Pond – 0.50 Kms(NW)
	e. Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006	NA

19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	1.40	
	b.	Waste Dumping Area	0.05	
	c.	Top Soil yard	---	
	d.	Mineral Storage Area	0.10	
	e.	Infrastructure Area	0.05	
	f.	Road Area	0.05	
	g.	Green Belt Area	0.35	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanised Method	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	9.3KLD
			Domestic	0.6KLD
			Other	1.00 KLD
			Total	10.9 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 21-6-2019. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 6 meters within the mining area and taking this into consideration, the committee opined that 60% of the proposed quantity of 3,18,702 tons or 1,19,548 cum can be mined safely and scientifically to a quarry pit depth of 15 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are other eight leases out of which six leases are exempted from cluster effect because of the fact that either their leases are granted prior to 9-9-2013 or ECs were issued before 15-1-2016. The total area

of three leases including this lease is 8 Acres 30 guntas and which being less than the threshold limit of 5 Ha., the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 235 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.5.00 lakhs to take up rejuvenation of Kommanahalli tank which is at distance of 1.15 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.35 Proposed Building Stone Quarry Project at Sy.Nos.32/1(P), 32/2(P), 32/3(P) and 32/4(P) of Mallapura Village, Gangavathi Taluk, Koppal District (12-00 Acres) **By M/s. Sai Balaji Constructions (SEIAA 580 MIN) 2019**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**M/s. Sai Balaji Constructions** Managing Partner: Sri. Sreemanarayana. G #40, Maruthi Nilaya, Lakshmisha Nagar Ward No. 9, Kadur Chikkamagaluru, Karnataka		
2	Name & Location of the Project	Building Stone Quarry in 12-00 Acres of Govt. Land bearing Sy. No. 32/1(P), 32/2 (P), 32/3(P) and 32/4(P), Mallapura Village, Gangavathi Taluk & Koppal District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 15°30'06.3"	E 76°26'50.8"
		B	N 15°30'01.7"	E 76°26'49.0"
		C	N 15°30'05.3"	E 76°26'39.2"
		D	N 15°30.10.1"	E 76°26'39.7"
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	New Quarry		

6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]		Govt. Land
7	Whether the project site fall within ESZ/ESA		No
8	Area in Acres		12-00 acres
9	Actual Depth of sand in the lease area in case of River sand		NA
10	Depth of Sand proposed to be removed in case of River sand		NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016		NA
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		5,01,898(Avg.) Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter		None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		26,416/Annum
16	Project Cost (Rs. In Crores)		0.60
17	Environmental Sensitivity		
	a.	Nearest Forest	Benakal RF-7.68 Km S Agoli RF-4.75 Km SW
	b.	Nearest Human Habitation	Mallapura-1.8 Km
	c.	Educational Institutes, Hospital	Gangavathi which is Taluk head quarter-10.50 Km
	d.	Water Bodies	Un-Named Halla 3.45 Km N-NE Tunga Bhadra Left bank Main canal3.2 Km SE Marali Halla -1.87 Km S-SW BandraHalu Kere- 2.6 Km S-SW Mukkumpi Kere-9.72 Km SW Nagalapur Kere-9.5 Km NW
	e.	Other Specify	None
18	Applicability of General Condition of the EIA Notification, 2006		None
19	Details of Land Use in Acres-Guntas		
	a.	Proposed area for mining	9-30
	b.	Proposed roads	0-05
	c.	Proposed top soil storage	0-05

	d.	Proposed Dump yard	0-05	
	e.	Proposed infrastructure	0-05	
	f.	Proposed Buffer zone	1-30	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	5.25 KLD
			Domestic	0.75KLD
			Other	2.50 KLD
			Total	8.50 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving building stone mining in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and also obtained land conversion order. The proposal has also been got vetted by District Task Force.

As seen from the quarry plan there is a level difference of 5 meters within the mining area and taking this into consideration the committee opined that 80% of the proposed quantity of 10,04,400 cum or 26,41,572 tons can be mined safely and scientifically to a quarry pit depth of 18 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are no other leases within the 500 meter radius and the area of this being less than the threshold limit of 5 Hectares, the committee decided to categorise this proposal under B2 category and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 700 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.15.00 lakhs to take up rejuvenation of Bandrahalu kere which is at a distance of 2.6 KM. from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.36 Proposed Building Stone Quarry Project at Sy.No.30 of Haradakothuru Village, Malur Taluk, Kolar District (2-20 Acres) **By M/s. J.P. Stone Quarry (SEIAA 581 MIN 2019)**

<table>
<tr><th>Sl. No</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>M/s J P Stone Crusher
Haradakothuru Village,
Tekal HobliMalur Taluk,
Kolar District, Karnataka.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>"Building Stone Quarry" of
M/s J P Stone Crusher
Sy No: 30, Haradakothuru Village,
Malur Taluk, Kolar District, Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><th>Boundary Points</th><th colspan="2">WGS 84 Spherical Coordinates</th></tr><tr><th></th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>12°56'34.85"N</td><td>78° 4'46.51"E</td></tr><tr><td>B</td><td>12°56'29.28"N</td><td>78° 4'48.37"E</td></tr><tr><td>C</td><td>12°56'29.28"N</td><td>78° 4'47.84"E</td></tr><tr><td>D</td><td>12°56'30.50"N</td><td>78° 4'46.53"E</td></tr><tr><td>E</td><td>12°56'30.78"N</td><td>78° 4'45.47"E</td></tr><tr><td>F</td><td>12°56'34.41"N</td><td>78° 4'44.66"E</td></tr><tr><td>Ref. 15</td><td>12°56'35.40"N</td><td>78° 4'40.17"E</td></tr><tr><td>Ref. 16</td><td>12°56'30.01"N</td><td>78° 4'38.15"E</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Project</td><td>Building Stone</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Government Gommala Land</td></tr>
<tr><td>7</td><td>Whether the project site fall within ESZ/ESA</td><td>No</td></tr>
<tr><td>8</td><td>Area in Ha</td><td>1.01 Ha</td></tr>
<tr><td>9</td><td>Actual Depth of sand in the lease area in case of River sand</td><td>NA</td></tr>
<tr><td>10</td><td>Depth of Sand proposed to be removed in case of River sand</td><td>NA</td></tr>
</table>

11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016		It's Building Stone.	
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		It's a Fresh Land	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		85,994 TPA	
14	Quantity of Topsoil/Over burden in cubic meter		No topsoil to be proposed during plan period	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		1,755 TPA	
16	Project Cost (Rs. In Crores)		0.75crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	Nutve State Forest – 2.60 kms (SE)	
	b.	Nearest Human Habitation	Kommanahalli -1.10Kms(W)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Malur - 16.31Kms (NW)	
	d.	Water Bodies	Kommanahalli Pond – 0.90 Kms(NW) Kanagala Pond – 0.30 Kms(NW)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006		NA	
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	1.70	
	b.	Waste Dumping Area	0.05	
	c.	Top Soil yard	---	
	d.	Mineral Storage Area	0.15	
	e.	Infrastructure Area	0.05	
	f.	Road Area	0.05	
	g.	Green Belt Area	0.50	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanised Method	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	9.4KLD
			Domestic	0.6 KLD

			Other	1.00 KLD
			Total	11.0 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 21-6-2019. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 4 meters within the mining area and taking this into consideration the committee opined that 60% of the proposed quantity of 4,29,972 tons or 1,61,643 cum can be mined safely and scientifically to a quarry pit depth of 15 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are other eight leases out of which six leases are exempted from cluster effect because of the fact that either their leases are granted prior to 9-9-2013 or ECs were issued before 15-1-2016. The total area of three leases including this lease is 8 Acres 30 guntas and which being less than the threshold limit of 5 Ha., the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 210 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.6.00 lakhs to take up rejuvenation of Kanagala kere which is at distance of 300 meters from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.37 Proposed Building Stone (M-Sand) Quarry Project at Sy.No.95(P) of Haligera Village, Yadgir Taluk & District (1-00 Acre) **By Sri Rajkumar (SEIAA 582 MIN 2019)**

<table>
<tr><th>Sl. No</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Sri. Rajkumar S/O Raghunath Rao Dhadange.
H.No.3-3-51/3,
Kumbarwadi, Taluk: Yadgir
Dist :Yadgir, State :Karnataka.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>HaligeraVillage
Yadgir Taluk
Yadgir District, Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><td>1.</td><td>N16°44'14.1"</td><td>E77°12'31.5"</td></tr><tr><td>2.</td><td>N16°44'17.0"</td><td>E77°12'31.2"</td></tr><tr><td>3.</td><td>N16°44'17.0"</td><td>E77°12'32.9"</td></tr><tr><td>4.</td><td>N16°44'14.0"</td><td>E77°12'33.2"</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone.</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Govt Land.</td></tr>
<tr><td>7</td><td>Whether the project site fall with in ESZ/ESA</td><td>No</td></tr>
<tr><td>8</td><td>Area in Ha</td><td>1.00 Acre (0.4048 Ha) Sy No:95(p)</td></tr>
<tr><td>9</td><td>Actual Depth of building stone in the lease area /Patta Land building stone</td><td>Depth of building stone in Govt land -20 mt(from top level).</td></tr>
<tr><td>10</td><td>Depth of building stone proposed to be removed</td><td>Depth of building stone proposed-10 mt (from Surface level)</td></tr>
<tr><td>11</td><td>Annual Production Proposed (Metric Tons/ CUM) / Annum</td><td>Max- 38000 TPA and Min-14249 TPA
,05 years-142497 tons</td></tr>
<tr><td>12</td><td>Quantity of Topsoil/Over</td><td>Max Waste-2000 tons/annum and Min Waste-750</td></tr>
</table>

	burden in cubic meter		tons/annum .05 years-7500 tons	
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		Nil	
14	Project Cost (Rs. In Crores)		10 Lakh.	
15	Environmental Sensitivity			
	a.	Nearest Forest	Nil with in 10km.	
	b.	Nearest Human Habitation	Haligera -1.0 km	
	c.	Educational Institutes, Hospital	Yadgir -06 km	
	d.	Water Bodies	Haligera Water Pond-1.0 km.	
	e.	Other Specify	Nil	
16	Applicability of General Condition of the EIA Notification, 2006			
17	Details of Land Use in A-G			
	a.	Area for Mining/ Quarrying	0-27	
	b.	Road Area	0-01	
	c.	Others Specify Safety Zone	0-12	
		Total	1.0 Acre (0.4048Ha)	
18	Method of Mining/ Quarrying		Semi Mechanised Quarrying	
19	Water Requirement			
	a.	Source of water	Near by agriculture borewell.	
	b.	Total Requirement of Water in KLD	Dust Suppuration	6.0
			Domestic	1.5
			Other,Plantation	2.5
			Total	10.0
20	Storm water management plan		--	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 3-5-2019. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 16 meters within the mining area and taking this into consideration the committee opined that 75% of the proposed quantity of 1,42,497 tons or 53,570 cum can be mined safely and scientifically to a quarry pit depth of 10 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are ten other leases out of which seven leases are exempted from cluster effect because of the fact that either their leases are granted prior to 9-9-2013 or ECs were issued before 15-1-2016. The total area of other four leases including this lease is 4 Acres 20 guntas and which being less than the threshold limit of 5 Ha., the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 500 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.3.00 lakhs to take up rejuvenation of Haligera water pond which is at distance of 1.0 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.38 Proposed Building Stone Quarry Project at Sy.No.30 of Haradakothuru Village, Malur Taluk, Kolar District District (4-10 Acres) **By M/s. J.P. Stone Crusher (SEIAA 583 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s J P Stone Crusher Haradakothuru Village Malur Taluk, Kolar District, Karnataka.
2	Name & Location of the Project	"Building Stone Quarry" of M/s J P Stone Crusher Sy No: 30, HaradakothuruVillage, Malur Taluk, Kolar District, Karnataka

3	Co-ordinates of the Project Site		

Boundary Points	WGS 84 Spherical Coordinates	
	Latitude	Longitude
A	12°56'28.66"N	78° 4'54.04"E
B	12°56'30.41"N	78° 4'53.23"E
C	12°56'31.02"N	78° 4'49.81"E
D	12°56'35.73"N	78° 4'49.49"E
E	12°56'32.86"N	78° 4'54.59"E
F	12°56'30.42"N	78° 4'54.25"E
G	12°56'30.45"N	78° 4'53.96"E

4	Type of Project		**Building Stone**
5	New / Expansion / Modification / Renewal		New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]		Government GomalaLand
7	Whether the project site fall within ESZ/ESA		No
8	Area in Ha		1.72 Ha
9	Actual Depth of sand in the lease area in case of River sand		NA
10	Depth of Sand proposed to be removed in case of River sand		NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016		It's Building Stone.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		It's a Fresh Land
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		1,25,071TPA
14	Quantity of Topsoil/Over burden in cubic meter		No topsoil to be proposed during plan period
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		2,552 TPA
16	Project Cost (Rs. In Crores)		0.84crores
17	Environmental Sensitivity		
	a.	Nearest Forest	Nutve State Forest – 2.15 kms (SE)
	b.	Nearest Human Habitation	Haradakothuru Village – 1.25 Kms (S)
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Bangarpete – 10.70 Km (NE)
	d.	Water Bodies	Kommanahalli Pond – 1.10 Kms(NW) Kanagala Pond – 0.50 Kms(N)
	e.	Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006		NA
19	Details of Land Use in Acres		
	a.	Area for Mining/ Quarrying	3.25

	b.	Waste Dumping Area	0.05	
	c.	Top Soil yard	---	
	d.	Mineral Storage Area	0.10	
	e.	Infrastructure Area	0.05	
	f.	Road Area	0.05	
	g.	Green Belt Area	0.60	
	h.	Unexplored area	---	
	i.	Others Specify	---	
20	Method of Mining/ Quarrying		Semi Mechanised Method	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	9.4KLD
			Domestic	0.6 KLD
			Other	1.0 KLD
			Total	11.0KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 21-6-2019. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 5 meters within the mining area and taking this into consideration the committee opined that 85% of the proposed quantity of 6,25,353 tons or 2,35,095 cum can be mined safely and scientifically to a quarry pit depth of 20 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are other eight leases out of which six leases are exempted from cluster effect because of the fact that either their leases are granted prior to 9-9-2013 or ECs were issued before 15-1-2016. The total area of three leases including this lease is 8 Acres 30 guntas and which being less than the threshold limit of 5 Ha., the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 250 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.10.00 lakhs to take up rejuvenation of Kanagala kere which is at distance of 500 meters from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.39 Proposed Building Stone Quarry Project at Sy.No.95(P) of Haligera Village, Yadgir Taluk & District (1-00 Acre) **By Sri Chandrakanth (SEIAA 584 MIN 2019)**

<table>
<tr><td>Sl. No</td><td>PARTICULARS</td><td>INFORMATION</td></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Sri. Chandrakanth
S/O Raghunath Rao Dhadange
H.No.3-3-51,
Kumbarwadi, Taluk: Yadgir, Dist :Yadgir
State :Karnataka.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>HaligeraVillage
Yadgir Taluk ,
Yadgir District, Karnataka</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><td>Corner Point</td><td>Latitude</td><td>Longitude</td></tr><tr><td>1.</td><td>N16°44'14.6"</td><td>E77°12'30.0"</td></tr><tr><td>2.</td><td>N16°44'17.2"</td><td>E77°12'29.7"</td></tr><tr><td>3.</td><td>N16°44'17.0"</td><td>E77°12'31.2"</td></tr><tr><td>4.</td><td>N16°44'14.1"</td><td>E77°12'31.5"</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone.</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
</table>

6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]		Govt Land.		
7	Whether the project site fall with in ESZ/ESA		No		
8	Area in Ha		1.00 Acre (0.4048 Ha) Sy No:95 (p)		
9	Actual Depth of building stone in the lease area /Patta Land building stone		Depth of building stone in Govt land -20 mt(from top level).		
10	Depth of building stone proposed to be removed		Depth of building stone proposed-10 mt (from Surface level)		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum		Max- 38000 TPA and Min-14250 TPA ,05 years-142500 tons		
12	Quantity of Topsoil/Over burden in cubic meter		Max Waste-2000 tons/annum and Min Waste-750 tons/annum .05 years-7500 tons		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		Nil		
14	Project Cost (Rs. In Crores)		10 Lakh.		
15	Environmental Sensitivity				
	a.	Nearest Forest	Nil with in 10km.		
	b.	Nearest Human Habitation	Haligera -1.1 km		
	c.	Educational Institutes, Hospital	Yadgir -6.1 km		
	d.	Water Bodies	Haligera Water Pond -1.1 km.		
	e.	Other Specify	Nil		
16	Applicability of General Condition of the EIA Notification, 2006				
17	Details of Land Use in A-G				
	a.	Area for Mining/ Quarrying	0-27		
	b.	Road Area	0-01		
	c.	Others Specify Safety Zone	0-12		
		Total	1.0 Acre (0.4048Ha)		
18	Method of Mining/ Quarrying		Semi Mechanised Quarrying		
19	Water Requirement				
	a.	Source of water	Near byagriculture borewell.		
	b.	Total Requirement of Water in KLD	Dust Suppuration	6.0	
			Domestic	1.5	
			Other,Plantation	2.5	

			Total	10.0
20	Storm water management plan		--	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 3-6-2019. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 18 meters within the mining area and taking this into consideration the committee opined that 80% of the proposed quantity of 1,42,500 tons or 53,571 cum can be mined safely and scientifically to a quarry pit depth of 10 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are ten other leases out of which seven leases are exempted from cluster effect because of the fact that either their leases are granted prior to 9-9-2013 or ECs were issued before 15-1-2016. The total area of other four leases including this lease is 4 Acres 20 guntas and which being less than the threshold limit of 5 Ha., the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 550 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.3.00 lakhs to take up rejuvenation of Haligera water pond which is at distance of 1.0 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.40 Proposed Building Stone Quarry Project at Sy.No.159 of Heggotara Village, Chamarajanagara Taluk & District (2-00 Acres) **By Sri S. Manikanta (SEIAA 585 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. S. Manikanta S/o Late L. Subbarao No.22/169, 1st Cross, Bramaramba Layout Chamarajanagara, Karnataka		
2	Name & Location of the Project	Building Stone Quarry in 2.00 Acres of Non-Forest Govt. Revenue Land bearing Sy. No. 159 Heggotara Village, Chamarajanagara Taluk & District, Karnataka.		
3	Co-ordinates of the Project Site	Point No.	Latitude	Longitude
		A	N 11°57'05.0"	E 76°51'43.1"
		B	N 11°57'05.2"	E 76°51'49.2"
		C	N 11°56'02.5"	E 76°51'48.5"
		D	N 11°57'02.3"	E 76°51'45.9"
		E	N 11°57'04.0"	E 76°51'46.5"
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	0.8093 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed in case of River sand	NA		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	NA		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA		

13	Annual Production Proposed (Metric Tons/ CUM) / Annum		25,000 (Avg.) Tons/ Annum	
14	Quantity of Topsoil/Over burden in cubic meter		None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		1,316 Tons/Annum	
16	Project Cost (Rs. In Crores)		0.20	
17	Environmental Sensitivity			
	a.	Nearest Forest	Bisaluvadi Reserve Forest-15.1 Km Bedarpura Deemed Forest-2.1 Km	
	b.	Nearest Human Habitation	Heggotara –2.63 km N	
	c.	Educational Institutes, Hospital	Chamarajanagara 13.0 Km	
	d.	Water Bodies	Mariyal Kere-3.85 Km E-SE Kalanhundi Kere-1.86 Km S-SE Viranapura Kere-4.83 KM S-SW Nanjadevanapura Kere-3.66 Km S-SW Kalapura Kere-2.39 Km W-SW Heggotara Kere-1.95 Km N-NW Avutalapura Kere-7.92 Km NE Chamarajanagara Kere-7.47 Km E-SE Tammadahalli Kere-8.12 Km SW Kerehali Kere-6.58 Km NW Bendaravadi Kere-7.01 Km N-NW Kananapura Kere-6.60 Km N-NW	
	e.	Other Specify	BRT Tiger Sanctury-19.0 Km	
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Acres-Guntas			
	a.	Quarry Working	1-02	
	b.	Waste Dumps	0-04	
	c.	Roads	0-03	
	d.	Mineral Storage	0-03	
	e.	Proposed Buffer Zone	0-28	
	f.	Others Specify	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	3.50 KLD
			Domestic	0.30 KLD
			Other	2.70 KLD
			Total	6.50 KLD

23	Storm water management plan	Will be carried out.
24	Any other information specific to the project (Specify)	None

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 18-1-2017. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 6 meters within the mining area the committee opined that 85% of the proposed quantity of 1,31,580 tons or 50,605 cum can be mined safely and scientifically to a quarry pit depth of 12 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are five notified leases including this lease the combined area of these five leases is 9 Acres and which being less than the threshold limit of 5 Ha., the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 700 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.2.50 lakhs to take up rejuvenation of Heggotara tank which is at distance of 1.95 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

With the permission of Chairman:

231.41 Proposed Human Space Flight Centre & Astronaut Training Centre with Residential Township Project at Sy.No01 of Ullarthi Village, Challakere Taluk, Chitradurga District **by M/s. Indian Space Research Organization (SEIAA 130 CON 2019)**

<table>
<tr><th>Sl. No</th><th colspan="2">PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td colspan="2">Name & Address of the Project Proponent</td><td>HSFC, ISRO HQ,
AntrikshBhavan,
New BEL Road, Bengaluru 560094.</td></tr>
<tr><td>2</td><td colspan="2">Name & Location of the Project</td><td>Establishment of Human Space Flight Centre at Ullarthi village, and township at Kudapura village Challakere Taluk, Chitradurga district, Karnataka..</td></tr>
<tr><td>3</td><td colspan="2">Co-ordinates of the Project Site</td><td>HSFC
<table><tr><th>Latitude</th><th>Longitude</th></tr><tr><td>14°23'14.26"N</td><td>76°44'4.43"E</td></tr><tr><td>14°22'53.90"N</td><td>76°42'47.13"E</td></tr><tr><td>14°23'11.10"N</td><td>76°42'40.45"E</td></tr><tr><td>14°23'46.97"N</td><td>76°43'53.28"E</td></tr></table>Township
<table><tr><th>Latitude</th><th>Latitude</th></tr><tr><td>14°26'29.21"N</td><td>14°26'29.21"N</td></tr><tr><td>14°25'48.02"N</td><td>14°25'48.02"N</td></tr><tr><td>14°25'55.43"N</td><td>14°25'55.43"N</td></tr><tr><td>14°26'33.00"N</td><td>14°26'33.00"N</td></tr></table></td></tr>
<tr><td>4</td><td colspan="3">Environmental Sensitivity</td></tr>
<tr><td rowspan="4"></td><td>a.</td><td>Distance From nearest Lake/River/Nala</td><td>No Lake/River/Nala is passing in cloase vicinity to project site. Vani Vilas sagar dam is about 60 km from project site.</td></tr>
<tr><td>b.</td><td>Distance from Protected area notified under wildlife protection act</td><td>There is no protected wild life area in the study area of 10 km radius.</td></tr>
<tr><td>c.</td><td>Distance from the interstate boundary</td><td>Karnataka- Andhra Pradesh about interstate boundary16.4 km from the project site</td></tr>
<tr><td>d.</td><td>whether located in critically/severally polluted area as per the CPCB norms</td><td>No</td></tr>
<tr><td>5</td><td colspan="2">Type of Development as per schedule of EIA Notification, 2006 with relevant serial number</td><td>Township and area development projects
Category of project – Sl. No. 8(b)
Category- (B). 'B1'</td></tr>
<tr><td>6</td><td colspan="2">New/Expansion/Modification/Product mix change</td><td>New</td></tr>
</table>

7	Plot Area (Sq. m)		HSFC Total Area : 473 acre (191.49 ha) Township Total Area : 100 acre (40.4 ha)
8	Built Up area (Sq. m)		HSFC Built-up area: 1,43,000 m^2 Township Built-up area: 1,06,200 m^2
9	Component of developments		Township and area development projects
10	Project cost (Rs. In Crore)		Approx. Rs. 2,812 Crore
11	Details of Land Use (Sq. m)ok		
	a.	Ground Coverage Area	
	b.	Kharab Land	-
	c.	Internal Roads	
	d.	Paved area	
	e.	Parking	
	f.	Green belt	
	g.	Others Specify	
	h.	Total	**19,14,900 m^2**
12	Products and By- Products with quantity (enclose as Annexure if necessary)		NA
13	Raw material with quantity and their source (enclose as Annexure if necessary)		The construction materials, which will be used in the project site, will be obtained from authorized local sources. Stones approx. 1,06,800 m^3 Bricks approx. 534 lakh No. Fine agg. Approx. 8.9 lakh MT Coarse agg. Approx. 12.46 lakh MT Cement approx. 4.45 lakh MT
14	Mode of transportation of Raw material and storage facility		Primarily by means of Road
15	Transportation and storage facility for coal/Bio-fuel in case of thermal power plant		NA
16	Fly ash production, storage and disposal details whereas coal is used as fuel		NA

17	Complete process flow diagram and technology employed		The area will be developed for establishment of HSFC and it's township	
18	Details of Plant and Machinery with capacity/Technology used		NA	
19	Details of VOC emission and control measures wherever applicable		NA	
20	WATER			
	I.	Construction Phase		
	a.	Source of water	Vani Vilas Sagar	
	b.	Quantity of water for Construction in KLD	HSFC complex 300 KLD Township 200 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	HSFC complex 30 KLD Township 20 KLD	
	d.	Waste water generation in KLD	Waste water generation will be about 20 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	The waster waste water generated will be treated in mobile STP units.	
	II	Operational Phase		
	a.	Source of water	Tungabhadra- Pavagada combined rural water supply scheme	
	b.	Total Requirement of Water in KLD	Fresh	HSFC complex 2800 KLD Township 1200 KLD
			Recycled	-
			Total	HSFC complex 2800 KLD Township 1200 KLD
	c.	Requirement of water for industrial purpose/production in KLD	Fresh	-
			Recycled	-
			Total	-
	d.	Requirement of water for domestic purpose in KLD	Fresh	-
			Recycled	-
			Total	-
	e.	Waste water generation in KLD	Industrial effluent	-
			Domestic sewage	HSFC complex 400 KLD Township 800 KLD
			Total	-
	f.	ETP/STP capacity	HSFC complex 400 KLD initially and up to 800 KLD in stages Township 800 KLD to be set up in stages	
	g.	Technology employed for Treatment	State-of-the-art MBR based STP will be set up for the treatment of sewage generated.	
	h.	Scheme of disposal of excess	-	

		treated water if any		
21	Infrastructure for Rain water harvesting		Provided	
22	Storm water management plan		Provided	
23	Air Pollution			
	a.	Sources of Air pollution	During construction phase it will be from movement of man & material, heavy earth moving machineries, etc. These emissions will be for short period limited to construction phase. During operation air pollution is anticipated from DG operation during power failure.	
	b.	Composition of Emissions	PM_{10}, $PM_{2.5}$, SO_2 etc.	
	c.	Air pollution control measures proposed and technology employed	Fugitive emissions are expected from material handling/storage areas and transportation activities. These emissions will be controlled by water spraying periodically. During transportation, the vehicles shall be covered with tarpaulin.	
24	Noise Pollution			
	a.	Sources of Noise pollution	Noise generation from construction equipment used for drilling, cutting operations. During operation phase, noise & vibrations will be generated due to operation of DG sets (as emergency backup)	
	b.	Expected levels of Noise pollution in dB	Noise generated will be below 100 dB(A).	
	c.	Noise pollution control measures proposed	Noise generated will be about 85-90 dB(A). All DG sets will be covered by acoustic enclosure as per statutory rules and will conform to noise standards. The DG sets will be mounted on anti-vibration mounts to reduce the impacts of vibration.	
25	WASTE MANAGEMENT			
	I.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable	Biodegradable waste about 300-400 Kg/day will be generated and will be treated in bio gas plant and compost pits which will convert into

				manure for gardening. During operation, Solid waste of 750 Kg/day of solid waste will be generated.
			Non-Biodegradable	A provision is kept for segregation Non-biodegradable waste and will be disposed thereof through authorized agencies
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Will be taken care byindividual entrepreneurs.	
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	The e-waste generationwill be mainly non-working computers, used CD's etc.It is proposed to collect 10% of the quantity of waste generation as specified in EPR Plan and will sent to e waste treatment facility.	
26	Risk Assessment and disaster management		The Risk Assessment and disaster management is enclosed as separate Annexure	
27	POWER			
	a.	Total Power Requirement in the Operational Phase with source	HSFC Electricity- 8000 kVA, About 7 MW HSFC Township Electricity- 960 kVA, About 1.2 MW	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	HSFC Construction phase DG sets 200 kVA (Qty- 1 nos.) Operation Phase DG sets 750 kVA(Qty- 4 nos) HSFC Township Construction phase DG sets 200 kVA (Qty- 1 nos.) Operation Phase: DG sets 750 kVA(Qty- 1nos)	
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	HSFC Construction phase Expected fuel requirement- Diesel 50 lit./day Operation Phase Expected fuel requirement- Diesel 500 lit./day HSFC Township Construction phase Expected fuel requirement- Diesel 50 lit./day Operation Phase Expected fuel requirement- Diesel 80 lit./day	

	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Glass with properties meeting the energy conservation requirements will be provided for the houses proposed. 4 mm thick float glass will be used for windows of residential buildings with 0.69 short wave length and 0.14 long wave coefficients. The shading co efficient of these glasses is 0.83. In portions of air - conditioned as in hospital, tinted glasses with lesser shading coefficients will be used. While developing the architectural layout of the buildings cluster development will be adopted with passive solar systems to reduce the head island effect. Appropriate shading devices like overhangs, side fins with the required properties will be incorporated to reduce the heat gain from walls mostly facing sun. It is planned to generate about 3 MW of Solar power by installation of ground and roof top solar systems.
28	PARKING		
	a.	Parking Requirement as per norms	Provided
	b.	Internal Road width (RoW)	Provided
29		Any other information specific to the project (Specify)	Nil

The proposal was placed before the 231st meeting held on 25-9-2019 for appraisal as per the above furnished information by the proponent.

The committee noted that this proposal is for two patches of land one having an area of 473 Acres in which Administrative and technical facilities are supposed to be established. Another piece of land of 100 Acres which is 17 KM from this project site wherein the township is proposed to be built. Since the two pieces of land are not contagious to each other the proponent has stated that he will make out separate application for 100 Acres piece of land and the present application will be limited to 473 Acres piece of land pertaining to project.

However, the committee after discussion/deliberation decided to conduct site inspection for assessing the ground realities of the project and to issue any additional ToRs after site inspection. The date for conducting site inspection shall be confirmed later on.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

231.42 Proposed Ordinary River Sand Project at Sy.No.59 of Thekkaru Village, Belthangadi Taluk, Dakshina Kannada District (5.436 Acres) **by Sri. Krishna Nayak (SEIAA 609 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**Sri. Krishna Nayak** S/o. Sri. Venkappa Nayak Marama Mane, Tekkaru Belthangadi Taluk Dakshina Kannada, Karnataka		
2	Name & Location of the Project	Ordinary Sand Block No. 02 in 5.436 acres (2.20Ha.) in Nethravathi River Bed, Sy. No.59 of Tekkaru Village, Belthangadi Taluk & Dakshina Kannada District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12°50'51.30"	E 75°11'03.00"
		B	N 12°50'47.65"	E 75°11'09.60"
		C	N 12°50'44.75"	E 75°11'19.26"
		D	N 12°50'43.52"	E 75°11'18.83"
		E	N 12°50'46.27"	E 75°11'09.30"
		F	N 12°50'50.10"	E 75°11'02.50"
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	2.20 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	2.0 m		
10	Depth of Sand proposed to be removed in case of River sand	1.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than	NA		

	river sand			
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		37,840 Tons/Annum	
14	Quantity of Topsoil/Over burden in cubic meter		None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		No Waste generation	
16	Project Cost (Rs. In Crores)		0.30	
17	Environmental Sensitivity			
	a.	Nearest Forest	Bellippadi Kodimbadi RF 3.44 Km S Maninalkuru RF 2.16 Km NW Uli RF 1.4 Km N-NW Tenkakajer RF 5.59 Lm N-NW Parenki RF 8.75 Km N Machchina RF 8.6 Km NE Bellipadi Nekkiladi RF 5.9 Km SE Virakhamba RF 7.3 Km W-SW Kodyamale RF 7.80 Km NW Kavalamunur RF 8.13 Km N-NW	
	b.	Nearest Human Habitation	Tekkaru village	
	c.	Educational Institutes, Hospital	Belthangadi-18.30 Km	
	d.	Water Bodies	The project lies on Nethravathi River Kumaradhara River-6.17 Km E-SE	
	e.	Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	2.20 Ha.	
	b.	Waste Dumping Area	-	
	c.	Top Soil Storage Area	-	
	d.	Mineral Storage Area	-	
	e.	Infrastructure Area	-	
	f.	Road Area	-	
	g.	Green Belt Area	-	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		-	
22	Water Requirement			
	a.	Source of water	Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	5.40 KLD
			Domestic	0.54 KLD

			Other	
			Total	5.94 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the meeting to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Nethravathi River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 190 meter and the buffer width of 25 meter has been left on right side and 125 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 20.5 meter MSL and top level of the sand block is 22.5 meter MSL and the depth of the mining proposed being 1.0 meter and bottom of the mining pit will be 1.0 meter above the dry weather flow level. The proponent has stated that he will take up mining for a depth of 1.0 meter every year and mining will be done in the subsequent years after the full replenishment of the mining pit. As per the quarry plan 95% of the proposed quantity of 1,89,200 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½.

As per the extended cluster sketch prepared by DMG there are two leases including this lease and the combined area of these two leases is 4.30 Ha. and this being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 200 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 200 meter and proceeding further to connect all weather road i.e., Tekkaru Uppinangady Road.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:

1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.

2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
3) The overall depth of mining shall not exceed one meter from the top level at any point of time during the lease period.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.43 Proposed Ordinary River Sand Quarry Project at Sy.No.72 of Barya Village, Belthangadi Taluk, Dakshina Kannada District (5.189 Acres) **by Sri. Thaniyappa(SEIAA 616 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**Sri. Thaniyappa** S/o. Sri. Goja #E-1-25, Rasrottu Mane Indabettu, Bangaadi, Belthangadi Dakshina Kannada District		
2	Name & Location of the Project	Ordinary Sand Block No. 01 in 5.189 acres (2.10Ha.) in Nethravathi River Bed, Sy. No.72 of Barya Village, Belthangadi Taluk & Dakshina Kannada District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12°50'37.80"	E 75°12'54.20"
		B	N 12°50'33.80"	E 75°13'03.40"
		C	N 12°50'30.10"	E 75°13'02.50"
		D	N 12°50'35.70"	E 75°12'53.30"
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	2.10 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	2.0 m		
10	Depth of Sand proposed to be removed in case of River sand	1.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing quarry pits in case of	NA		

	ongoing/expansion/modification of mining proposals other than river sand			
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		36,120 Tons/Annum	
14	Quantity of Topsoil/Over burden in cubic meter		None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		No Waste generation	
16	Project Cost (Rs. In Crores)		0.25	
17	Environmental Sensitivity			
	a.	Nearest Forest	Bellippadi Nekkiladi RF 3.26 Km SE Bellipadi Kodimbadi RF 3.87 Km S-SW Uli RF 4.10 Km W-NW Machchina RF 7.12 Km N-NE Narimogaru RF 6.05 Km S-SE Maninalkuru RF 5.26 Km W-NW Tenkakajekar RF 7.05 Km N-NW Parenki RF 9.23 Km N-NW	
	b.	Nearest Human Habitation	Barya village	
	c.	Educational Institutes, Hospital	Belthangadi-17.60 Km	
	d.	Water Bodies	The project lies on Nethravathi River Kumaradhara River-2.92 Km E-NE	
	e.	Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	2.10 Ha.	
	b.	Waste Dumping Area	-	
	c.	Top Soil Storage Area	-	
	d.	Mineral Storage Area	-	
	e.	Infrastructure Area	-	
	f.	Road Area	-	
	g.	Green Belt Area	-	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		-	
22	Water Requirement			
	a.	Source of water	Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	5.60 KLD
			Domestic	0.54 KLD

			Other	
			Total	6.14KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231st meeting held on 26-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Nethravathi River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 260 meter and the buffer width of 35 meter has been left on right side and 155 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 27.0 meter MSL and top level of the sand block is 28.5 meter MSL and the depth of the mining proposed being 1.0 meter and bottom of the mining pit will be 0.5 meter above the dry weather flow level. The proponent has stated that he will take up mining for a depth of 1.0 meter every year and mining will be done in the subsequent years after the full replenishment of the mining pit. As per the quarry plan 95% of the proposed quantity of 1,80,600 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½.

As per the extended cluster sketch prepared by DMG there are no other leases within the 500 meter radius from this lease area and this being less than the threshold limit of 5 Ha the the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 200 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 200 meter and proceeding further to connect all weather road i.e., Barya Village road.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:

1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.

2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
3) The overall depth of mining shall not exceed one meter from the top level at any point of time during the lease period.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.44 Proposed Ordinary River Sand Quarry Project at Sy.No.72 of Barya Village, Belthangadi Taluk, Dakshina Kannada District (5.189 Acres) **by Sri. Ibrahim(SEIAA 617 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**Sri. Ibrahim** Hunsekatte Piligudu Mane Karaya, Belthangadi Taluk Dakshina Kannada, Karnataka		
2	Name & Location of the Project	Ordinary Sand Block No. 02 in 5.189 acres (2.10Ha.) in Nethravathi River Bed, Sy. No.72 of Barya Village, Belthangadi Taluk & Dakshina Kannada District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12°50'24.44"	E 75°13'29.94"
		B	N 12°50'22.06"	E 75°13'27.15"
		C	N 12°50'20.44"	E 75°13'34.36"
		D	N 12°50'19.10"	E 75°13'33.94"
		E	N 12°50'20.19"	E 75°13'26.59"
		F	N 12°50'22.90"	E 75°13'20.16"
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	2.10 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	2.0 m		
10	Depth of Sand proposed to be removed in case of River sand	1.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing	NA		

	quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand			
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		36,120 Tons/Annum	
14	Quantity of Topsoil/Over burden in cubic meter		None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		No Waste generation	
16	Project Cost (Rs. In Crores)		0.25	
17	Environmental Sensitivity			
	a.	Nearest Forest	Belippadi Koambadi RF-3.92 Km SW Machina RF-7.18 Km N-NE Narimogaru RF-5.34 Km S-SE Maninalkuru RF-6.25 Km W-NW Uli RF-5.13 Km W-NW Tenkajekar RF-7.91 Km NW Parenki RF-9.86 Km N-NW	
	b.	Nearest Human Habitation	Barya village	
	c.	Educational Institutes, Hospital	Belthangadi-17.60 Km	
	d.	Water Bodies	The project lies on Nethravathi River Kumaradhara River-1.93 Km E-SE Amey Hole-3.9 Km W-SW	
	e.	Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	2.10 Ha.	
	b.	Waste Dumping Area	-	
	c.	Top Soil Storage Area	-	
	d.	Mineral Storage Area	-	
	e.	Infrastructure Area	-	
	f.	Road Area	-	
	g.	Green Belt Area	-	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		-	
22	Water Requirement			
	a.	Source of water	Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	3.95 KLD

			Domestic	0.55 KLD
			Other	
			Total	4.50KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the meeting to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Nethravathi River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 225 meter and the buffer width of 40 meter has been left on right side and 135 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 28.0 meter MSL and top level of the sand block is 29.5 meter MSL and the depth of the mining proposed being 1.0 meter and bottom of the mining pit will be 0.5 meter above the dry weather flow level. The proponent has stated that he will take up mining for a depth of 1.0 meter every year and mining will be done in the subsequent years after the full replenishment of the mining pit. As per the quarry plan 95% of the proposed quantity of 1,80,600 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½.

As per the extended cluster sketch prepared by DMG there are no other leases within the 500 meter radius from this lease area and this being less than the threshold limit of 5 Ha the the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 180 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 180 meter and proceeding further to connect all weather road i.e., Barya Village road.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:

1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
3) The overall depth of mining shall not exceed one meter from the top level at any point of time during the lease period.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.45 Proposed Building Stone Quarry Project at Sy.No.42 of Naganala Village, Kolar Taluk, Kolar District (11-00 Acres) **by Sri. N. Somashekar (SEIAA 597 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**Sri. N. Somashekar** S/o Sri. P. Narayanagowda Naganala Village, Medihal Post Kolar Taluk & District Karnataka		
2	Name & Location of the Project	Building Stone Quarry in 11-00 Acres of Govt. Gomala Land bearing Sy. No. 42,Naganala Village, Kolar Taluk & District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 13°11'01.67"	E 78°03'45.41"
		B	N 13°10'57.71"	E 78°03'45.95"
		C	N 13°11'03.01"	E 78°03'33.12"
		D	N 13°11'06.78"	E 78°03'32.47"
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	New Quarry		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Gomala Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Acres	11-00 acres		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed in case of River sand	NA		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	NA		

12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		2,00,063(Avg.) Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter		None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		10,530/Annum
16	Project Cost (Rs. In Crores)		0.80
17	Environmental Sensitivity		
	a.	Nearest Forest	Baiyappanahalli State Plantation-2.12 Km E Antarganga SF-4.29 Km SE Kendatti SF-4.61 KM S-SW
	b.	Nearest Human Habitation	Naganala-1.50 Km
	c.	Educational Institutes, Hospital	Kolar which is Taluk & District head quarter-10.0 Km
	d.	Water Bodies	Somabudi Amanikere-2.25 Km N-NW Medihala Kere-1.17 Km W Naganala Kere-1.51 Km NW Sipuru Kere-3.48 Km SE Danamattihalli Kere-2.31 Km S Jamagatta Kere-7.29 Km NE Muduvadi Kere-9.45 Km E-NE Kolarammana Kere-9.94 Km SE Dod Vallabi Kere-6.97 Km SW Kurugal Kere-6.45 Km W Harjinahalli Kere-6.96 Km W-NW Bhairaandanahalli Kere-8.47 Km NW
	e.	Other Specify	None
18	Applicability of General Condition of the EIA Notification, 2006		None
19	Details of Land Use in Acres- Guntas		
	a.	Area to be Excavated	8-01
	b.	Buffer Zone	1-34
	c.	Over burden/Dump(Rejected)	0-20
	d.	Roads & Afforestation	0-25
20	Method of Mining/ Quarrying		Opencast Semi-mechanized
21	Rate of Replenishment in case River sand project		NA
22	Water Requirement		

	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	4.40KLD
			Domestic	0.60 KLD
			Other	2.50 KLD
			Total	7.50 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 5-2-2018. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 45 meters within the mining area and taking this into consideration the committee opined that the proposed quantity of 10,52,965 tons or 3,95,852 cum can be mined safely and scientifically to a quarry pit depth of 10 meters for a plan period of five years.

As per the cluster sketch approved by DMG there is one other lease within 500 meter radius from this lease area and this has been exempted from cluster effect because of the fact that the lease for this has been granted prior to 9-9-2013 area of this leases being less than the threshold limit of 5 Ha., the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 800 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.20.00 lakhs to take up rejuvenation of Medihala kere which is at distance of 1.17 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.46 Proposed Building Stone Quarry Project at Sy.No.94 of Eralagere Village, Tiptur Taluk, Tumkur District (2-20 Acres) **by Chikkamma Devi Enterprises (SEIAA 622 MIN 2019)**

<table>
<tr><th>Sl. No</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>M/s. Chikkamma Devi Enterprises
Sri Subba Singh
Behind Divya Prabha School,
Chikkanayakanahalli,
Tumkur District,
Karnataka-572201.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>Eralagere Building Stone Quarry" of M/s. Chikkamma Devi Enterprises
Sy No. 94(P), Eralagere Village,
Tiptur Taluk, Tumkur District,
Karnataka .</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><th>Corner Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>N13°18'42.6"</td><td>E77°31'55.4"</td></tr><tr><td>B</td><td>N13°18'42.4"</td><td>E77°31'58.0"</td></tr><tr><td>C</td><td>N13°18'37.7"</td><td>E77°31'57.3"</td></tr><tr><td>D</td><td>N13°18'38.1"</td><td>E77°31'55.2"</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone.</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Govt Gomala Land.</td></tr>
<tr><td>7</td><td>Whether the project site fall with in ESZ/ESA</td><td>No</td></tr>
<tr><td>8</td><td>Area in Ha</td><td>2A-20 G (1.011 Ha) Sy No: 94(p)</td></tr>
<tr><td>9</td><td>Actual Depth of building stone in the lease area /Patta Land</td><td>Depth of building stone in Govt land -20mt(from top level).</td></tr>
</table>

	building stone				
10	Depth of building stone proposed to be removed		Depth of building stone proposed-10 mt (from Surface level)		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum		Maximum production is 79807 TPA and Min-72521 TPA.		
12	Quantity of Topsoil/Over burden in cubic meter		Max Waste-1629 tons/annum and Min-1480 tons/annum .05 years-7799 tons		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		Nil		
14	Project Cost (Rs. In Crores)		25 Lakh		
15	Environmental Sensitivity				
	a.	Nearest Forest	Nil with in 10km.		
	b.	Nearest Human Habitation	Eralagere -0.69 km		
	c.	Educational Institutes, Hospital	Tiptur -9.0 km		
	d.	Water Bodies	Tiptur Lake- 7.5Kms(SW) Echanuru Pond-6.5Kms(SW)		
	e.	Other Specify	Nil		
16	Applicability of General Condition of the EIA Notification, 2006				
17	Details of Land Use in A-C				
	a.	Area for Mining/ Quarrying	1.72		
	b.	Waste Dumping Area	0.05		
	c.	Top Soil Storage Area	--		
	d.	Mineral Storage Area	0.08		
	e.	Infrastructure Area	--		
	f.	Road Area	0.05		
	g.	Green Belt Area	--		
	h.	Others Specify Safety Zone	0.60		
		Total	2.50 Acre (1.011Ha)		
18	Method of Mining/ Quarrying		Semi Mechanised Quarrying		
19	Water Requirement				
	a.	Source of water	Near By private agriculture Borewell.		
	b.	Total Requirement of Water in KLD	Dust Suppuration	6.0	
			Domestic	1.5	
			Other,Plantation	2.5	
			Total	10.0	
20	Storm water management plan		--		

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form 1, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 11-6-2018. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 13 meters within the mining area and taking this into consideration the committee opined that 80% of the proposed quantity of 3,82,092 tons or 1,43,644 cum can be mined safely and scientifically to a quarry pit depth of 15 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are no other leases within the 500 meter radius from this lease area and this less than the threshold limit of 5 Ha., the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 226 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.6.00 lakhs to take up rejuvenation of Eralagere water pond which is at distance of 690 meters from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

3. Safe drinking water has to be provided at the quarry site.
4. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

Reconsideration subjects:

231.47 Proposed Residential Development at Sy.Nos.97, 98, 99/2, 100/1, 100/2, 100/3, 101/1, 101/2, 101/3, 104, 105/1, 106, 108, 109/2, 129/1, 130/1, 130/2, 124, 141/1, 141/2, 142/1, 142/2A1, 142/2A2, 142/2B, Gattahalli Village, Sarjapura Hobli, Anekal Taluk, Bengaluru **by M/s. Akarshak Realty Pvt. Ltd.,(SEIAA 131 CON 2018)**

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Akarshak Realty Pvt Ltd No. 10, Vittal Mallya Road, Bengaluru – 560 001.
2	Name & Location of the Project	Proposed Residential Development At Sy. Nos. 97, 98, 99/2, 100/1, 100/2, 100/3, 101/1, 101/2, 101/3, 104, 105/1, 106, 108, 109/2, 129/1, 130/1, 130/2, 124, 141/1, 141/2, 142/1, 142/2A1, 142/2A2, 142/2B, Gattahalli Village, Sarjapura Hobli, Anekal Taluk, Bengaluru.
3	Co-ordinates of the Project Site	Latitude: 12°52'29.98" N Longitude: 77°42'07.24" E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	With reference to the project site there is a nala kharab for which a buffer of 25m & 35m has been left from the edge of the nala kharab as per the NGT order No. OA 222/2014 dated 04.05.2016. Gattahalli Lake is at a distance of 630 m.
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	With reference to the project site there is a nala kharab for which a buffer of 25m & 35m has been left from the edge of the nala kharab as per the NGT order No. OA 222/2014 dated 04.05.2016. Gattahalli Lake is at a distance of 630 m.
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment
b.	Residential Township/ Area Development Projects	Area Development project
6	Plot Area (Sqm)	1,28,082 Sqmt (31 Acres 26 Guntas)
7	Built Up area (Sqm)	5,67,998.20 Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Tower 1-16: 2B+G+29UF Tower 17-25: 2B+G+30UF
9	Number of units in case of Construction Projects	The project comprises of 2,777 Nos. of apartments and 278 Nos. of EWS units in 25 Towers. Hence the total numbers of units are 3,055 Nos.
10	Number of Plots in case of Residential Township/ Area Development Projects	NA
11	Project Cost (Rs. In Crores)	Rs. 1,100 Crores
12	Recreational Area in case of	Park & Open space – 12,569.53 Sqmt

	Residential Projects / Townships		
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	14,333.00 Sqmt
	b.	Kharab Land	2,225.75 Sqmt
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	72,847.91Sqmt
	d.	Internal Roads	28,410.21Sqmt
	e.	Paved area	--
	f.	Others Specify	Area left for temple -202.34 Sqmt Civic Amenity Area - 6,285.00 Sqmt Road widening area -646.00 Sqmt Service Area - 3,131.02 Sqmt
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	Included in the landscape area (12,569.53 Sqmt)
	h.	Total	1,28,082Sqmt
14	Details of demolition debris and / or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	No
	b.	Total quantity of Excavated earth (in cubic meter)	5,28,232 Cum
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	5,28,232 Cum
	d.	Excess excavated earth (in cubic meter)	Nil
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	NA
15	WATER		
	I.	Construction Phase	
	a.	Source of water	Labor camp mobile STP Treated Water for construction purpose and External authorized tanker for domestic purpose.
	b.	Quantity of water for Construction in KLD	84.0 KLD
	c.	Quantity of water for Domestic Purpose in KLD	165.0 KLD
	d.	Waste water generation in KLD	156 KLD

	e.	Treatment facility proposed and scheme of disposal of treated water	The total sewage generated from construction site & labor camp is 156 KLD which will be treated in a mobile STP of capacity 160 KLD; Treated sewage will be re-used for Dust Suppression, Gardening & Construction purpose.	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	1,588 KLD
			Recycled	794 KLD
			Total	2,382 KLD
	b.	Source of water	Borewells	
	c.	Waste water generation in KLD	2,025 KLD	
	d.	STP capacity	1,575 KLD, 150 KLD, 180 KLD and 135 KLD	
	e.	Technology employed for Treatment	Sequential Bio-Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	For Flushing - 794 KLD For Landscaping - 583KLD For Car Washing- 175 KLD Excess to construction purpose - 270 KLD	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	300 Cum(215 cum + 25 cum + 35 cum + 25 cum)	
	b.	No's of Ground water recharge pits	79 Nos.	
17		Storm water management plan	Yes	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	330 kg/Day from Construction Site &330 kg/Day from Labor Camp. Solid waste generated from the labor camp and construction site will be collected manually and handed over to authorized recyclers.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	4.7MT/Day. Biodegradable wastes will be segregated at the source and will be processed in proposed organic waste converter.	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	3.1 MT/Day. Non-biodegradable Wastes will be given to the waste recyclers.	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation: 4.9l/hr. Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.	
	d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.	
19		POWER		
	a.	Total Power Requirement -	20,000 kVA	

		Operational Phase		
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1,010 kVA X 10 Nos.	
	c.	Details of Fuel used for DG Set	2,116 l/hr	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar lighting& water heaters HF ballast Cu wound transformer PHE pumps LED Energy Savings: 25%	
20		PARKING		
	a.	Parking Requirement as per norms	Required	Provided
			3,208 Nos.	3,500 Nos.
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Traffic Report will be submitted along with EIA Report.	
	c.	Internal Road width (RoW)	8.0m	

The proposal is placed before the committee for appraisal.

The proponent and Environmental Consultant attended the 208th meeting held on 22nd Sept 2018 to provide required clarification/additional information.

The committee screened the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, proposed ToR and clarification/additional information provided during the meeting. The committee appraised the proposal as B1 since the built up area is more than 1,50,000 Sqm and decided to recommend the proposal to SEIAA for issue of standard ToRs and following additional ToRs to conduct the EIA studies in accordance with the EIA Notification, 2006 and relevant guidelines.

1) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
2) Utilization of the entire terrace for solar power generation may be worked out and submitted.
3) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
4) Rain water harvesting/storage details may be worked out.
5) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy of the carrying capacity of the nalas.
6) To submit the Details of trees to be felled and the scheme for development of greenery with the number and kind of tree species as per the norms.
7) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
8) Carbon foot print during construction phase and operational phase to be estimated and suitable offsets to be suggested.

9) Explore the feasibility of providing water body of suitable size to act as a heat sink and aeration of the discharge from STP.

10) Since the project is coming in water stressed area extensive studies of underground water capacity may be conducted and submitted.

11) The total energy embodiment in the building materials used for construction to be estimated and efforts made to reduce the total energy embodiment of the building. Also estimate the energy embodiment index(total energy embodiment/BUA above ground)

12) Details, nature and position of kharab land and the purpose for which the kharab land has been reserved may be marked in the concept plan.

Accordingly ToRs were issued on 26-10-2018. The proponent has submitted the EIA report on 29-7-2019.

The proposal is therefore placed before the committee for EIA appraisal.

The Proponent and the Environmental consultant attended 229th meeting held on 26-8-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form-I, prefeasibility report, EIA Report and clarification/information provided during the meeting. As seen from the village survey map, there are two nalas out of which one being secondary nala cuts across the project site from east west direction likewise another tertiary nala cuts across from east west direction. For which the proponent has stated that he has left 35 meter buffer zone from the secondary nala and 25 meter on either side of tertiary nala. In addition to the above there is a tertiary nala on the southern side of the project site and this is outside the project site and the proponent has stated in addition to the distance between the tertiary nala and boundary of the project site he has left 16 meter setback within the project site. Overall there is 2225.75 sqmts of kharab land in the form of natural nala and 2 guntas i.e., 202.34 sqmts of kharab land in the form of temple. The proponent has stated the entry to the temple has been kept open for the public use. The proponent has also stated that he will go for triple line plumbing in order to reduce the demand on the fresh water. The proponent has also stated that he will go for low energy embodied building material for construction.

As far as CER is concerned the proponent has stated that he has earmarked Rs.5.5 crores and after discussion and deliberation committee decided to divert these funds to the recent rain devastated Kodagu District as a special case.

The committee after discussion decided to reconsider the proposal after submission of the following information:

1) Earthwork management has to be reworked and submitted by managing the entire earth within the project site and taking into consideration the level difference within the project site.

2) Terrace rain water harvesting has been provided taking into consideration 18.5 mm of rainfall/day seems to be less and has to be reworked taking into consideration realistic rainfall intensity.
3) The distance between the boundary of the Bannerghatta National park and the project site which is said to be 15 KM has to be substantiated with relevant coordinates.
4) Rain water storage generated from hard surface has to be done separately and suitable treatment scheme for the same has to be submitted for its reuse for the primary purpose.

The proponent has submitted the replies on 9-9-2019. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 15% of the parking space shall be reserved for electric vehicles with recharging facility.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.48 Proposed Expansion of Existing Common Bio-Medical Waste Treatment Facility Project at KIADB Industrial Area, Dabaspet, Nelamangala Taluk, Bangalore Rural District **by M/s. Medicare Environmental Management Pvt Ltd., (SEIAA 02 IND 2018)**

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		Mr.K. Seshi Reddy Assistant General Manager, M/s Medicare Environmental Management Pvt Ltd., "Ramky House", Site No: 25-30, 2nd Cross, Ragavendra Nagar, Hennur Ring Road, Kalyan Nagar Post, Bengaluru-560043.
2	Name & Location of the Project		Common Bio-Medical Waste Treatment Facility at Plot No. 39, KIADB Industrial Area, Dabaspet, Nelamangala Taluk, Bengaluru, Karnataka
3	Co-ordinates of the Project Site		13° 13' 24.98" N 77° 15' 37.35" E
4	Environmental Sensitivity		
	a.	Distance From nearest Lake/ River/ Nala	Nidvanda Kere - 1.45 Km (N)
	b.	Distance from Protected area notified	Adichunchanagiri Peacock Sanctuary- 59 Km (SW)

		under wildlife protection act	
	c.	Distance from the interstate boundary	Karnataka - Andhra Pradesh-54 Km (NE)
	d.	whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		7 (da) Bio-Medical Waste Treatment Facility
6	New/ Expansion/ Modification/ Product mix change		New
7	Plot Area (Sqm)		4048 Sq m (1 acre)
8	Built Up area (Sqm)		1623.2 Sq m
9	Component of developments		Bio-Medical Waste Treatment Facility
10	Project cost (Rs. In crores)		Rs.12 Crores
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	1558 Sq m
	b.	Kharab Land	
	c.	Internal Roads	850 Sq m
	d.	Paved area	255 Sq m
	e.	Parking	65.2 Sq m
	f.	Green belt	1319.8 Sq m
	g.	Others Specify	
	h.	Total	4048 Sq m
12	Products and By- Products with quantity (enclose as Annexure if necessary)		The proposed CBWTF will treat upto 25 TPD of bio-medical waste The proposed CBWTF shall have the following key components: (a) Incinerators – 2 x 250 kg/hr (static) and 1 x 500 kg/hr (rotary kiln); (b) Autoclave – 5 TPD; (c) Shredder- 1000 kg/hr.
13	Raw material with quantity and their source (enclose as Annexure if necessary)		The Bio-medical waste from Health care establishments of Bengaluru Rural, Bengaluru Urban and Tumkur districts are treated in the proposed facility
14	Mode of transportation of Raw material and storage facility		Care shall be taken to ensure that segregated bio-medical waste handed over by HCUs reach CBWTF without any damage, spillage or unauthorized access in closed containers. Every time vehicles are unloaded, the empty waste containers shall be washed and properly disinfected and the vehicles are not used for any other purpose.

			There shall be two waste storage rooms - one for storage of untreated wastes and another for treated wastes. Waste such as incineration ash generated in the process of incineration shall be stored in a separate area under the shed so as to avoid entry of rain water during the monsoon and for easy collection.
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		Not Applicable
16	Fly ash production, storage and disposal details whereas coal is used as fuel		Not Applicable. Coal is not used as fuel for the proposed facility. However, the ash generated from incineration is sent to nearest common hazardous waste treatment and disposal facility (TSDF) for final disposal.
17	Complete process flow diagram and technology employed		The complete flow diagram is given in Annexure 1
18	Details of Plant and Machinery with capacity/ Technology used		Currently the facility manages up to 10 TPD of bio-medical waste. Considering the increasing trend in waste volumes, Medicare wants to enhance the treatment capacity of the facility to 25 TPD After the proposed expansion, the CBWTF shall have the following key components: (a) Incinerators - 2 x 250 kg/hr (static) and 1 x 500 kg/hr (rotary kiln); (b) Autoclave - 5 TPD; (c) Shredder- 1000 kg/hr.
19	Details of VOC emission and control measures wherever applicable		All necessary air pollution control devices (quenching, venturi, alkali scrubber, mist eliminator etc.) are put in place to ensure compliance of emission standards as prescribed in BMW Rules, 2016. The vehicles are regularly serviced and properly maintained.
20	WATER		
	I.	Construction Phase	
	a.	Source of water	KIADB water supply/ external tankers
	b.	Quantity of water for Construction in KLD	Minimal quantity of water will be required for construction as most of the expansion activity proposed is mechanical oriented/pre-fabricated.
	c.	Quantity of water for Domestic Purpose in KLD	1.8 KLD
	d.	Waste water generation in KLD	Minimal wastewater generation from construction activity. Wastewater, if any generated shall be treated in existing in-house ETP.
	e.	Treatment facility proposed and scheme of disposal of treated water	Existing ETP shall be utilized for wastewater treatment
	II	Operational Phase	

	a.	Source of water	KIADB Supply/ tankers	
	b.	Total Requirement of Water in KLD	Fresh	80
			Recycled	240
			Total	320
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	78
			Recycled	240
			Total	318
	d.	Requirement of water for domestic purpose in KLD	Fresh	2
			Recycled	0
			Total	2
	e.	Waste water generation in KLD	Industrial effluent	245
			Domestic sewage	1.8
			Total	246.8
	f.	ETP/ STP capacity	250 KLD	
	g.	Technology employed for Treatment	Wastewater Treatment including Sedimentation, Pressure Sand Filter and Activated Carbon Filter.	
	h.	Scheme of disposal of excess treated water if any	The proposed facility utilises Zero Liquid Discharge (ZLD) system. The wastewater shall be treated in in-house ETP and the treated wastewater shall be re-circulated for Air Pollution Control Devices (APCDs) attached to the incinerator(s).	
21	Infrastructure for Rain water harvesting		Storm water drains will be provided throughout the facility taking topography into consideration. The storm water drains will be connected to rain water collection chamber. The rain water thus collected is used for greenbelt, vehicle washing etc., after treatment, if necessary.	
22	Storm water management plan			
23	Air Pollution			
	a.	Sources of Air pollution	Emissions from Incinerator, DG set and during vehicular movement.	
	b.	Composition of Emissions	Particulate matter, SO_2, NO_x, CO etc.,	
	c.	Air pollution control measures proposed and technology employed	Air Pollution Control Devices (APCDs) including quencher, high pressure venturi scrubber etc.) to comply with emission standards prescribed in BMW Management Rules, 2016. Also, the incinerator will be provided with a 30m high stack. The emissions from the DG sets are minimal since they will be operated only during power failures. All the vehicles will be regularly serviced and maintained properly to minimize emissions. All the internal roads will be maintained properly to minimize dust generation.	
24	Noise Pollution			

	a.	Sources of Noise pollution	Source of noise pollution will be from incinerator, DG set, during unloading of Bio-Medical Waste	
	b.	Expected levels of Noise pollution in dB	<70 dB(A)	
	c.	Noise pollution control measures proposed	All the equipment/vehicles shall be regularly maintained. Acoustic Enclosures shall be provided for DG sets. Employees will be provided with PPE like ear plugs, helmets, safety shoes, etc. as necessary. Greenbelt will be maintained all along the boundary and along the roads for reducing the noise levels.	
25	WASTE MANAGEMENT			
	I.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable	A maximum of about 25 to 50 kilograms of solid waste will be generated per day. To prevent cross-contamination, solid waste generated within the premises shall be disposed off in incinerator. Otherwise, waste shall be segregated and disposed off as per MSW Rules, 2016.
			Non- Biodegradable	
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Only bio-medical waste from surrounding districts will be accepted and treated in the proposed facility. No hazardous waste will be accepted. Waste oil from DG set will be sent to authorized dealers for disposal.	
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	E-waste generation is expected to be minimal. E-waste if any generated will be sent to authorized recyclers for disposal.	
26	Risk Assessment and disaster management		Risk assessment and disaster management studies will be provided in detail in EIA Report	
27	POWER			
	a.	Total Power Requirement in the Operational Phase with source	The total power requirement will be about 250 KW and will be supplied by Karnataka Power Transmission Corporation Limited (KPTCL)	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	One DG set of 300 kVA will be used for emergency power backup.	
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	Incinerator and DG set are the prime fuel consuming equipment in the facility. Light Diesel Oil (LDO) will be used as fuel for Incinerator and High Speed Diesel (HSD) will be used as fuel for DG set.	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	LED lighting shall be preferred. Energy efficient equipment shall be utilized. Solar Lighting shall be installed for street lighting.	

28	PARKING		
	a.	Parking Requirement as per norms	Parking area for the proposed facility is around 65.2 Sq m
	b.	Internal Road width (RoW)	5 m
29		Any other information specific to the project (Specify)	

The proponent and Environmental consultant attended the 192nd meeting held on 30th January 2018 to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report and clarification/additional information provided during the meeting.

The committee noted that the land was allotted to the proponent in the year 2001. The proponent has stated that he has established Common Bio-Medical Waste Treatment Facility in the year 2001. Earlier no EC was required for this category of Industry. The proponent has obtained CFE and CFO for their unit which is valid upto 30-6-2018. The proponent has stated that this category of industry now comes under EC category and his proposal is to expand the already existing facility.

The Committee after discussion decided to appraise the proposal as B1 and had decided to recommend the proposal to SEIAA for issue Standard ToR for conducting EIA study in accordance with EIA Notification 2006 along with relevant guidelines. The committee also decided to prescribe the following additional ToRs:

1) Compliance to the conditions laid down in CFE.
2) To workout and submit comparative analysis of the periodical baseline data and health data(Occupational and Public health) of the persons.
3) Details of neighbourhood establishments and cumulative effect of this proposal on those establishments.
4) Examine the sufficiency of the land fill to accommodate the increased load of this project.
5) Quantification of rain water available for storage and utilization.
6) Alerts given by the online monitoring system in the existing project to be listed and measures to be taken to avoid the same in future.
7) Furnish the list of health care units with whom MOU has been signed and quantity of waste collected annually.
8) Details of number of existing tree species in the green belt as well as landscape area and proposal to strengthening with native broad leaved species.

Accordingly ToRs were issued on 26-3-2018. The proponent has submitted the Final EIA report on 14-12-2018.

The proposal is therefore place before the committee for EIA appraisal.

The proponent and Environmental Consultant attended the meeting to present the EIA report and provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre Feasibility Report, EIA report and clarification/information provided during the meeting.

The committee after discussion decided to reconsider the proposal after submission of the following informations:

1) Justification for not obtaining EC from April 2015 to till date may be furnished.
2) Comparative analysis of the basic data including health profile of the workers collected five years back and the present data may be worked out and submitted.
3) Total organic carbon content in the stack and bottom ash of the incinerator may be studied and submitted.
4) Sampling facility at process stacks and at quenching towers may be studied and submitted.
5) Environmental cost and benefit assessment may be worked out and submitted.
6) Explore the possibility of going for integrated gasification and combustion which is more environmental friendly than Incinerator.

The proponent has submitted the replies on 23-9-2019. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.49 Proposed Commercial Development of office space, Wholesale cash and carry & Retail at Municipal numbers.26/3, Industrial Suburbs, Ward No.9, A Block, Subramanya Nagar, Bangalore **by Keppel Puruvankara Development Pvt Ltd., (SEIAA 41 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Prashanth Marathe, Authorized Signatory Keppel PuravankaraDevelopment Private Limited, Prestige Craig House, 3rd Floor, Craig Park Layout, M.G. Road, Bangalore-560001,
2	Name & Location of the Project	Commercial development of Office space, wholesale cash and carry & Retail at Municipal numbers 26/3, Industrial Suburbs, Ward #9, A Block, Subramanya Nagar, Bangalore

3		Co-ordinates of the Project Site	Latitude 13° 0'51.95"N and Longitude 77°33'17.45"E
4		Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Sankey Tank (SE) – 3 Km
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	The lake is 3 Km away from the project site
5		Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Commercial Office Space & Retail
	b.	Residential Township/ Area Development Projects	-
6		Plot Area (Sqm)	30898.25Sqm
7		Built Up area (Sqm)	177470.03Sqm
8		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Building 1: - 2Basement + G +3 Floors Building 2 :- 4Basement +G +22 Floors
9		Number of units in case of Construction Projects	NA
10		Number of Plots in case of Residential Township/ Area Development Projects	NA
11		Project Cost (Rs. In Crores)	510 crores
12		Recreational Area in case of Residential Projects / Townships	NA
13		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	13355.615 Sqm
	b.	Kharab Land	308.06 Sqm
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	4619.71 Sqm
	d.	Internal Roads	9111.78 Sq.m
	e.	Paved area	2956.89 Sq.m
	f.	Others Specify- Services	854.255 Sq.m
	g.	Parks and Open space in case of	4619.71 Sq.m

		Residential Township/ Area Development Projects	
	h.	Total	**30898.25** Sq.m
14	Details of demolition debris and / or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	Details will be enclosed along with EIA report
	b.	Total quantity of Excavated earth (in cubic meter)	Details in with EIA report
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	Details in with EIA report
	d.	Excess excavated earth (in cubic meter)	Details in with EIA report
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Details in with EIA report
15	WATER		
	I.	Construction Phase	
	a.	Source of water	Met through recycled water from nearby Purva-Sunflower project at Magadi road(5km)
	b.	Quantity of water for Construction in KLD	10 KLD
	c.	Quantity of water for Domestic Purpose in KLD	14KLD
	d.	Waste water generation in KLD	13 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	15 KLD Mobile STP
	II.	Operational Phase	
	a.	Total Requirement of Water in KLD	Fresh: 455.26 KLD Recycled: 910.44 KLD Total: 1365.7 KLD
	b.	Source of water	BWSSB + Recycled water
	c.	Waste water generation in KLD	1092.6KLD
	d.	STP capacity	2 STP of 90 KLD & 1050 KLD
	e.	Technology employed for Treatment	Membrane Bio Reactor (MBR) Technology
	f.	Scheme of disposal of excess treated water if any	Treated water shall be reused for flushing, gardening, & HVAC. The excess treated water will be used for construction purposes to our

			upcoming construction projects in the nearby area.
16	Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	1) Capacity – 50 KLD Size – 25.22sqm x 2.0M LIQUID DEPTH
	b.	No's of Ground water recharge pits	30 recharge pit of 1.2 m dia x 3 m dia
17	Storm water management plan		600mm wide storm water drain with pre cast & perforated cover is provided inside the periphery of the boundary
18	WASTE MANAGEMENT		
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	60 Kg/day Disposed thorough BBMP waste management contractors
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	971.92 Kg/day Organic waste converter
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	1458 Kg/day Authorized recyclers
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	-
	d.	Quantity of E waste generation and mode of Disposal as per norms	93.81 kg/day Authorized recyclers
19	POWER		
	a.	Total Power Requirement - Operational Phase	12000 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	16400 KVA (2x1010KVA + 1x380KVA for Retail and 7 Nos. of 2000KVA for office building
	c.	Details of Fuel used for DG Set	Duel fuel mode :- Compressed natural gas & low sulphur high speed diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total energy saving of 24.15% Annexure-5
20	PARKING		
	a.	Parking Requirement as per norms	Required as per norms – 2205no Provided - 3900
	b.	Level of Service (LOS) of the connecting Roads as per the	LOS is D- Chord Road & C-Tumkur Road

		Traffic Study Report	
	c.	Internal Road width (RoW)	57 mtr wide -Tumkur Road

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 221st meeting held on 26-4-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, pre-feasibility report, proposed ToRs and clarification/additional information provided during the meeting. During presentation of ToRs, the proponent has stated that he has started collecting the data from the month of March i.e., from the date of application and he requested the committee to permit him to adopt the same for which the committee agreed.

Hence the committee decided to recommend the proposal to SEIAA for issue of Standard ToRs alongwith following additional ToRs to conduct the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines.

1) Details of the Kharab land and its position on the village survey map may be detailed and submitted.
2) Ground water potential and level in the study area may be studied.
3) Scheme for waste to energy plant to process the entire organic waste generated from the entire project.
4) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
5) Utilization of the entire terrace for solar power generation may be worked out and submitted.
6) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
7) Rain water harvesting/storage details may be worked out.
8) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
9) To submit the Details of trees to be felled and the scheme for development of greenery with the number and kind of tree species as per the norms.
10) The applicibality of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
11) ECBC norms to be fully complied with for design and choice of equipments. Simulation studies to be conducted and quantify the energy savings.
12) Carbon footprint to be estimated for construction and operation phase. Suitable offsets to be implemented, quantified and detail calculation to be submitted to try and achieve near zero carbon foot print.
13) Traffic simulation studies to be conducted for present and projected traffic densities along with transportation study for construction phase. Traffic plan to

be prepared in order to reduce vehicular emissions and project the vehicular emissions through linear air modelling.

Accordingly ToRs were issued on 1-7-2019. The proponent has submitted the EIA report on 2-8-2019. Hence the subject was placed before the committee for EIA appraisal.

The Proponent and Environment Consultant attended the 229th meeting held on 27-8-2019 for EIA appraisal.

The committee appraised the proposal considering the information provided in the statutory application-Form-I, Conceptual plan, EIA Report and clarification/information provided during the meeting.

. The committee after discussion decided to reconsider after submission of the following information.

1) Solar panel layout details are to be redrawn to harvest maximum solar energy. Feasibility of solar HVAV to be detailed and submitted.
2) Surface hydrology for the nearest nala may be worked out based on the micro watershed and carrying capacity of nala has to be worked out.
3) Storage capacity of rainwater harvested from terrace area and paved area may be worked out realistically and submitted.
4) ECBC simulation studies with calculations has to be worked out and submitted.
5) Carbon foot print offsets to be quantified and submitted.
6) Linear air modeling for vehicle emission to be submitted.
7) Design details for planting mandated 380 number of trees is to be worked out and submitted.
8) Water balance chart to be reworked taking into consideration air cooled HVAC instead of water cooled HVAC to be submitted.
9) Transportation of construction material from the source to the project site along with availability be detailed and submitted.

The proponent has submitted the replies on 17-9-2019. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 15% of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall identify suitable place(KIOSK) for collection and storage of E-Wastes generated within the premises and shall be disposed of regularly only with the KSPCB authorised E-waste recyclers.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

Deferred Subjects:

231.50 Proposed Building Stone Quarry Project at Sy.No.43 of Chikkanagavalli Village, Chikkaballapura Taluk & District (Q.L.No.161) (2-03 Acres) **By Sri S.N. Ramachandra (SEIAA 529 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri S.N. Ramachandra, S/o S. Narayanappa, #11, Sonnappanahalli Village, Bangalore North Taluk, Bangalore District,Karnataka.
2	Name & Location of the Project	"Building Stone Quarry" of Sri S.N. Ramachandra, In part of Sy No. 43, Chikkanagavalli village, Chikkaballapura Taluk & District, Karnataka.
3	Co-ordinates of the Project Site	Latitude / Longitude N 13° 36' 22.0" / E 77° 45' 35.0" N 13° 36' 22.6" / E 77° 45' 33.3" N 13° 36' 26.8" / E 77° 45' 35.2" N 13° 36' 26.1" / E 77° 45' 36.9"
4	Type of Project	**Building Stone**
5	New / Expansion / Modification / Renewal	Renewal (QL No.161)
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	0.839 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed in case of River sand	NA
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's Building Stone.

12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		906.9 MSL (Existing Pit Level)	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		1,03,750Tonnes per Annum	
14	Quantity of Topsoil/Over burden in cubic meter		No topsoil to be proposed during plan period	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		5,461Tonnes per Annum	
16	Project Cost (Rs. In Crores)		1.11crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	Harisala Reserved Forest – 3.75 Kms(SE)	
	b.	Nearest Human Habitation	Chikkanagavalli village-0.60 Kms(SE)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Chikkaballapur -18.20 Kms (S)	
	d.	Water Bodies	Adhegarahalli pond– 1.00 Km (S) Peerasandra Lake – 2.70 kms(SE)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006		NA	
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	1-27	
	b.	Waste Dumping Area	0-01	
	c.	Top Soil yard	0-03	
	d.	Mineral Storage Area		
	e.	Infrastructure Area		
	f.	Road Area	0-01	
	g.	Green Belt Area	0-11	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanised Method	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	9.0 KLD
			Domestic	0.9 KLD
			Other	0.7 KLD
			Total	10.6 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	

24	Any other information specific to the project (Specify)	NA

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 229th meeting held on 28-8-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. As seen from the records some discrepancies were found in the land use plan and mining plan for which the proponent has stated that he will come back after rectifying this discrepancies. Hence the committee after discussion decided to defer the subject.

The proponent and Environment consultant attended the 231st meeting held on 26-9-2019 to provide required clarification.

The committee noted that this is a proposal involving mining of building stone in government land. The lease has been granted on 16-6-2006. According to audit reports the mining activity has been done from 2007-2008 to 2014-15 and the total quantity mined is 42,300 tons or 15,900 cum . The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 10 meters within the mining area and taking this into consideration and also the fact that he has already mined 42,300 tons or 15,900 cum, the committee opined that 35% the proposed quantity of 5,18,715 tons or 1,95,000 cum can be mined safely and scientifically to a quarry pit depth of 15 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are 82 leases including this lease and all of these leases were granted prior to 9-9-2013 or the ECs were issued prior to 15-1-2016 and according to which the proponent claimed exemption from cluster effect. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 220 meters connecting lease area to all weather white topped road formed by the Cluster Association.

As far as CER is concerned the proponent has stated, that he will earmark Rs.5.00 lakhs to take up rejuvenation of Adigarahalli kere which is at a distance of 1.0 KM. from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.51 Proposed Building Stone Quarry Project at Sy.No.368 of Kuthanur village, Gundlupet Taluk, Chamarajanagara District (Q.L No.247 & 249) (0-30 Acres & 0-20 Acres) **by Sri. Siddha Shetty & Sri Rama Shetty (SEIAA 147 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Siddha Shetty S/o.Doddagand Shetty & Sri. Rama Shetty, S/o. Gopa Shetty Kuthanur Village & Post,Gundlupet Taluk
2	Name & Location of the Project	Building Stone Quarry Cluster in 0-30 Acres & 0-20 Acres of Govt. Revenue Land bearing Sy. No. 368 of Kuthanur Village, Gundlupet Taluk & Chamarajangara District, Karnataka.(Vide QL Nos. 247 & 249)
3	Co-ordinates of the Project Site	**QL No. 247** C. P / Latitude / Longitude A / N 11° 48′ 20.5″ / E 76° 38′ 55.2″ B / N 11° 48′ 20.4″ / E 76° 38′ 56.9″ C / N 11° 48′ 18.3″ / E 76° 38′ 56.7″ D / N 11° 48′ 18.4″ / E 76° 38′ 55.2″ **QL No. 249** A / N 11° 48′ 19.1″ / E 76° 38′ 51.7″ B / N 11° 48′ 19.0″ / E 76° 38′ 53.3″ C / N 11° 48′ 17.5″ / E 76° 38′ 53.2″ D / N 11° 48′ 17.6″ / E 76° 38′ 51.7″
4	Type of Mineral	Building Stone Quarry Cluster
5	New / Expansion / Modification / Renewal	Renewal Quarry, QL Nos. 247 & 249
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt. Revenue
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	0.5058 Ha.
9	Actual Depth of sand in the lease area in case of River sand	NA

10	Depth of Sand proposed to be removed in case of River sand		NA	
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016		NA	
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		NA	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		8,356 Tonnes/Annum (QL No. 247) 5,081 Tonnes/Annum (QL No. 249)	
14	Quantity of Topsoil/Over burden in cubic meter		None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		2,184 Tons (QL. No. 247) & 1,339 Tons (QL No. 249)	
16	Project Cost (Rs. In Crores)		0.08	
17	Environmental Sensitivity			
	a.	Nearest Forest	Nyanekatte Sandalwood RF : 2.4 Km N	
	b.	Nearest Human Habitation	Kuthanur – 2.75 Km	
	c.	Educational Institutes, Hospital	Gundlupet – 6.2 Km	
	d.	Water Bodies	Mallayanapur Dam : 2.15 Km S Devalapur Kere : 7.25 Km NW Annukeri Lake : 3.8 Km SE Malavalli Kere : 6.25 Km NE	
	e.	Other Specify	-	
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Acres			
	Quarry leases		QL No. 247	QL No. 249
	a.	Area for Mining/ Quarrying	0-16	0-8
	b.	Waste Dumping Area	0-01	0-01
	c.	Top Soil Storage Area	-	-
	d.	Mineral Storage Area	-	-
	e.	Infrastructure Area	-	-
	f.	Road Area	-	-
	g.	Green Belt Area	0-13	0-11

	h.	Unexplored area	-	-
	i.	Others Specify	-	-
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Borewell Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	3.6 KLD
			Domestic	0.42 KLD
			Other	0.4 KLD
			Total	4.4 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 221st meeting held on 25-4-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a cluster proposal containing two leases of 0-20 Acres and 0-30 Acres standing in the name of different persons. The cluster proposal has been approved by the DMG. As far as the lease locations with reference to Bandipura National Park, the certificate issued by the RFO and ACF of the forest department this lease area situated at 8.8 KM from the Bandipur National Park and there is a discrepancy about the distance from the sensitive zone. Further the committee opined that the officers who have issued the certificate are not competent to issue such type of certificate for which the proponent has agreed to come back after getting the certificate from the competent authority. Hence the committee decided to defer the subject.

The proponent and Environment consultant attended the 231st meeting held on on 26-9-2019 after obtaining NOC from forest department wherein it is mentioned that lease areas proposed are at a distance of 2.342 KM and 2.302 KM respectively from the boundary of eco-sensitive zone.

The committee noted that this is a proposal involving mining of building stone in government land and this proposal is for the cluster of two leases whose leases were granted on 27-1-2011. According to audit reports the mining activity has been done from 2011-12 to 2014-15 and the total quantity mined is 21,880 tons & 2,789 tons

respectively. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 7 meters within the mining area and taking this into consideration and also the fact that he has already mined 21,880 & 2,789 tons or 8,225 & 1,048 cum, respectively, the committee opined that 30% & 60% of the proposed quantity of 43,964 tons or 16,527 cum and 26,744 tons or 10,054 cum respectively can be mined safely and scientifically to a quarry pit depth of 6 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are no other leases within the 500 meter radius from mining area and also these were granted prior to 9-9-2013, the proponent has claimed exemption from the cluster effect.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 1.40 KM connecting lease area to all weather white topped road.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.52 Proposed Building Stone Quarry at Sy.No.192 of Madahalli village, Gundlupet Taluk, Chamarajanagara District (1-00 Acre) **by Sri. N Suresh (SEIAA 280 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**Sri. N. Suresh** S/o. Sri. Nagaraju #773, Halladakeri 2nd Division Main road, Gundlupet Taluk Chamarajanagara District Karnataka		
2	Name & Location of the Project	Building Stone Quarry Cluster in 0-20 Acre & 0-20 Acre of Govt. Revenue Land bearing Sy. No. 192 of Madahalli Village, Gundlupet Taluk & Chamarajangara District, Karnataka.		
3	Co-ordinates of the Project Site	Point	Latitude	Longitude
		A	N 11° 48' 14.2"	E 76 ° 39'29.0"

		B	N 11° 48′ 12.8″	E 76 ° 39′32.4″
		C	N 11° 48′ 12.0″	E 76 ° 39′31.8″
		D	N 11° 48′ 12.9″	E 76 ° 39′30.4″
		G	N 11° 48′ 13.9″	E 76 ° 39′29.00″
		QLA No. 7/2010-11		
		D	N 11° 48′ 12.9″	E 76 ° 39′30.4″
		E	N 13° 48′ 11.4″	E 76° 3930.0″
		F	N 13° 48′ 11.7″	E 76 ° 39′29.3″
		G	N 13° 48′ 13.9″	E 76° 39′29.0″
4	Type of Mineral	Building Stone Quarry		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land		
7	Whether the project site fall within ESZ/ESA	NO		
8	Area in Ha	0.4047 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed	NA		

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 225th meeting held on 27-6-2019 to provide required clarification. The proposal consists of two contiguous leases of 20 guntas each notified separately for one individual i.e., Sri. N. Suresh. The quarry leases have common boundaries and in the interest of scientific mineral development these two quarries need to be amalgamated so that buffer on either side of the common boundary can be dispensed with for which the proponent has stated that he will come back after getting the leases amalgamated.

Hence the committee after discussion, deliberation decided to defer the proposal.

The proponent has attended the 231st meeting held on 26-9-2019 after getting the two leases amalgamated. As per the amalgamated quarry plan there is a level difference of 25 m within the mining area and taking this into consideration the proposed quantity of 20,080 cum or 53,415 tons can be mined safely and scientifically to a quarry pit depth of 6.0 meters.

The proponent has stated that he has obtained NOCs from Forest and Revenue Depts.,

As per the cluster sketch approved by DMG there are seven leases including this lease within 500 meter radius from this lease area the total area of which is 12 Acres and this being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 500 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.1.00 lakhs to take up water and sanitation works at Govt. School, Madahalli which is at a distance of 4.00 KM.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.53 Proposed Building Stone Quarry at Sy.No.159 in Heggotara Village, Chamarajanagara Taluk, Chamarajanagara District(2-00 Acres) by Sri. Syed Rafi (SEIAA 347 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**Sri. Syed Rafi** S/o Sri. Syed Bhikshu #2/142, Rehamath Nagar Satty Road, Chamarajanagara Karnataka		
2	Name & Location of the Project	Building Stone Quarry in 2.00 Acres of Non-Forest Revenue Land bearing Sy. No. 159 Heggotara Village, Chamarajanagara Taluk & District, Karnataka.		
3	Co-ordinates of the Project Site	**Point No.**	**Latitude**	**Longitude**
		A	11°57'05.2"	76°51'39.8"
		B	11°57'04.6"	76°51'39.4"
		C	11°57'00.0"	76°51'38.8"
		D	11°57'00.5"	76°51'42.0"

		E	11°57'01.9"	76°51'40.7"
		F	11°57'04.6"	76°51'40.8"
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Revenue. Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	0.8093 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed in case of River sand	NA		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	NA		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	47,484(Avg.) Tons/ Annum		
14	Quantity of Topsoil/Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	2,499 Tons/Annum		
16	Project Cost (Rs. In Crore)	0.10		
17	Environmental Sensitivity			
	a. Nearest Forest	BRT Tiger Sanctuary-19.6 Km Bisalavadi Reserve Forest - 15.0 Km Bedarapura Deemed Forest - 2.0 Km		
	b. Nearest Human Habitation	Heggotara –2.63 km		
	c. Educational Institutes, Hospital	Chamarajanagara-13.0 Km		
	d. Water Bodies	Heggotara Kere-1.78 Km N Marriyal Kere-4.22 Km E-SE Kalanahundi Kere-2.13 Km S-SE Viranapura Kere-4.81Km S-SW Nanjadevanapua Kere-4.64 Km S-SW Kalpura Kere-2.07 Km W-SW Avutalapura Kere-7.99 Km NE Chamarajanagara Kere-7.84 Km E-SE		

			Tammadahalli Kere-8.00 Km SW Kerehalli Kere-6.23 Km NW Bendaravodi Kere-6.73 Km NW Vaddarapalya Kere-6.39 Km N-NW	
	e.	Other Specify	-	
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	0-39	
	b.	Waste Dumping Area	0-05	
	c.	Top Soil Storage Area	-	
	d.	Mineral Storage Area	0-03	
	e.	Infrastructure Area	-	
	f.	Road Area	0-02	
	g.	Green Belt Area/Buffer zone	0-31	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	2.9 KLD
			Domestic	0.36 KLD
			Other	0.24 KLD
			Total	3.5 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh proposal involving mining of building stone in government land. The lease has been notified on 24-11-2017. The proponent has stated that he has obtained NOCs from Forest and Revenue Dept.,

As seen from the quarry plan there is a level difference of 11 meters within the mining area the committee opined that 55% of the proposed quantity of 249912 tons or

96120cum can be mined safely and scientifically to a quarry pit depth of 12 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are five notified leases including this lease the combined area of these five leases is 9 Acres and which being less than the threshold limit of 5 Ha., the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 800 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.2.5lakhs to take up rejuvenation of Heggotara tank which is at distance of 1.95 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.54 Proposed Residential Apartment Building at Sy.No.20/1, 20/P1, 20/5 of Kammanahalli Village, Begur Hobli, Bengaluru South Taluk, Bengaluru **by M/s. Nandi Housing Pvt. Ltd., (SEIAA 67 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Thomas J Ollapally Nandi Housing Pvt Ltd No 46, 36th Main BTM Dollar Scheme, Bengaluru-560068
2	Name & Location of the Project	Proposed Residential Apartment Building at Sy No 20/1, 20/P1, 20/5 Kammanahalli Village, Begur Hobli, Bengaluru South Taluk, Bengaluru by Nandi Housing Pvt. Ltd.
3	Co-ordinates of the Project Site	12°51'26.7"N 77°36'20.1"E.
4	Environmental Sensitivity	

	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Doddakammanahalli Lake : 30meter (W) from the project site Primary Nala : 60 meter (N) from the project site
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	Doddakammanahalli Lake : 30meter (W) from the project site Primary Nala : 60 meter (N) from the project site
5		Type of Development	
	a.	New/Expansion/Modification	New
	b.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment
	c.	Residential Township/ Area Development Projects	NA
6		Plot Area (Sqm)	Total Plot Area= 32,374.58 Sq.mts
7		Built Up area (Sqm)	Built up area: 96,894.43 Sq. m.
8		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	No. of Building Blocks : Block- A, B, C, I, K, L, M= 2B + G + 4 UF Block- D, E,F, G, H, J = 1B + G + 4 UF
9		Number of units in case of Construction Projects	Units= 508
10		Number of Plots in case of Residential Township/ Area Development Projects	NA
11		Project Cost (Rs. In Crores)	127 Crores
12		Recreational Area in case of Residential Projects / Townships	1618 Sq.mts
13		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	11,601Sq.mts (35.84%)
	b.	Kharab Land	
	c.	Total Green belt on Mother Earth for projects under 8(a) of	3237Sq.mts

		the schedule of the EIA notification, 2006	
	d.	Internal Roads	1250 Sq.mts
	e.	Paved area	14,982.03
	f.	Others Specify	NA
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	32,374.58 Sq.mts

14	Details of demolition debris and / or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	Sl.no. / Excavated Soil / Quantity Total / 87386 cum 01 / Backfilling to be done between boundries / 41080 cum 02 / Backfilling to be done on the backside of retaining walls and underground tank / 23784 cum 03 / Top Soil to be used for Landscaping / 22522 cum
	b.	Total quantity of Excavated earth (in cubic meter)	87386 Cum
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	87386 cum with in project site
	d.	Excess excavated earth (in cubic meter)	NIL
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	NA

15	WATER			
	I.	Construction Phase		
	a.	Source of water	Tanker	
	b.	Quantity of water for Construction in KLD	Treated water of around 20 KLD shall be used for construction purposes.	
	c.	Quantity of water for Domestic Purpose in KLD	Around 2.25 KLD shall be required for domestic purpose during construction phase.	
	d.	Waste water generation in KLD	1.100KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	This shall be obtained through tankers. Temporary Septic tank & Soak pit shall be constructed to treat the sewage generated from construction workers.	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	229 KLD
			Recycled	114 KLD

			Total	343 KLD
	b.	Source of water	BWSSB	
	c.	Waste water generation in KLD	308 KLD	
	d.	STP capacity	320 KLD	
	e.	Technology employed for Treatment	SBR	
	f.	Scheme of disposal of excess treated water if any	i. Recycled water for Flushing- 114 KLD ii. Landscaping - 35 KLD iii. Cooling tower- 30 KLD iv. Plantation and car washing-119 KLD	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	100 CUM	
	b.	No's of Ground water recharge pits	19 Nos	
17	Storm water management plan		Furnished in the EMP Report	
18	WASTE MANAGEMENT			
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	General earthwork excavation during the construction phase results in the loosening of the top soil. The excavated soil will be stacked properly at site and the same will be utilized for backfilling and green belt development. Proper compaction and stabilization of the same will be ensured.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	General Garbage organic of 732 Kgs / dayOrganic Waste will converted in to manure by organic converter & will be used for landscape development and STP Sludge of 30kg/day Will be dewatered and used back as Manure for gardening.	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Inorganic waste of 488 Kgs / dayDisposed through BBMP pick up vehicle	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Around 2 KL per annum of used oil from 3 Generator sets & 10 Nos. of oil filters shall be generated during operational phase. Shall be disposed to authorized recyclers	
	d.	Quantity of E waste generation and mode of Disposal as per norms	NA	
19	POWER			
	a.	Total Power Requirement -	2000 kw	

		Operational Phase	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	3Nos. x 750 kVA
	c.	Details of Fuel used for DG Set	Diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total energy savings from the proposed project is 23.74 %.
20	PARKING		
	a.	Parking Requirement as per norms	Total lower basement car parking - 537 cars Total upper basement car parking - 309 cars. Total parking provided - 846 cars.
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	C
	c.	Internal Road width (RoW)	5meter
21	Any other information specific to the project (Specify)		NA

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 223rd meeting held on 28-5-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. The committee noted from the village survey map some discrepancies were noticed about the exact location of the project site for which the proponent has stated that he will come back with necessary clarifications. Hence the committee decided to defer.

The proponent and Environment consultant attended the 231st meeting held on 27-9-2019 and submitted the certified copy indicating the position of the project site in the Sy.No.20. According to which the project site is adjacent to Kammanahalli lake and is on the western side of the project site for which the proponent has stated that he has left 30 meter buffer zone as mandated.

. The committee after discussion decided to reconsider after submission of the following information.

1) Surface hydrological studies has to done and carrying capacity of nearby nalas may be ascertained and submitted.

2) Water balance chart has to be revised taking into consideration the realistic values for other uses and if possible ozonization instead of chlorination for disinfection to be adopted.

Action: Secretary, SEAC to put up the proposal before SEAC after submission of the above information.

231.55 Proposed Building Stone Quarry Project at Sy.No.114 of Halagondanahalli Village, Tumkur Taluk, Tumkur District (Q.L No.731) (2-00 Acres) **by Sri. B.P Girish(SEIAA 608 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. B.P.Girish S/o B.M. Puttagangappa, #327, Betta Halasoor Village and post, Bangalore North Taluk, Bangalore District, Karnataka.
2	Name & Location of the Project	"Building Stone Quarry" Sy.No-114 Halagondanahalli Village, Tumkur Taluk, Tumkur District, Karnataka.
3	Co-ordinates of the Project Site	POINT / LONGITUDE / LATITUDE A / 77°-17'-06.7" / 13°-20'-44.1" B / 77°-17'-06.9" / 13°-20'-43.8" C / 77°-17'-07.3" / 13°-20'-44.6" D / 77°-17'-10.7" / 13°-20'-44.8" E / 77°-17'-10.8" / 13°-20'-43.8" F / 77°-17'-09.0" / 13°-20'-42.2" G / 77°-17'-05.9" / 13°-20'-41.6"
4	Type of Mineral	**Building Stone Quarry**
5	New / Expansion / Modification / Renewal	Renewal (QL. No. 731)
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	0.809Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	It's a Building Stone Quarry
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining	It's a Building Stone Quarry

	guideline 2016			
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		Fresh Land	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		19,553 Tons/annum	
14	Quantity of Topsoil/Over burden in cubic meter		As per the proposed quarryingprogramme over five year, no generation of top soil ,however if any small quantitygenerated it will be stocked & used for afforestation purposes.	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		399 TPA	
16	Project Cost (Rs. In Crores)		0.67 crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	Doddavadibetta state Forest – 4.00 kms (NW)	
	b.	Nearest Human Habitation	Halagondanahalli Village -0.64Kms(SW)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Tumkur – 17.5 Km (W)	
	d.	Water Bodies	WATER BODY: Nayakanpalya Pond – 0.80 Kms (SW) Kolal Pond – 2.50 kms (NE)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006			
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	1-08	
	b.	Waste Dumping Area	0-00	
	c.	Mineral Storage Area	0-01	
	d.	Infrastructure Area	0-01	
	e.	Road Area	0-02	
	f.	Buffer Zone	0-28	
	g.	Unexplored area	--	
	h.	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	7.5 KLD
			Domestic	1.5 KLD

			Other	1.3 KLD
			Total	10.3 KLD
23	Storm water management plan		• Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal is in patta land the lease for which was granted earlier in the year 2010 and terminated in the year 2013 for some irregularities and this has once again been restored in the year 2016. The proponent has stated that he has carried out the mining from 2010 to 2012 and the total quantity mined comes to 3,650 tons or 1,370 cum. The proponent has stated that he has obtained NoCs from Forest Dept in the year 2017.

As seen from the quarry plan there is a level difference of 15 meters within the mining area the committee taking this into consideration and also the fact that he has already mined 3,600 tons or 1,370 cum the committee opined that the proposed quantity of 97,768 tons or 37,078 cum can be mined safely and scientifically to a quarry pit depth of 10 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are seven other leases and all of them are exempted from cluster effect either in view of leases granted prior to 9-9-2013 or EC issued before 15-1-2016 and since this area being less than the threshold limit of 5 Ha. the committee decided to categorise under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 440 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.2.0 lakhs to take up rejuvenation of Nayakanapalya Pond which is at distance of 800 meters from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

231.56 Proposed Cluster Sand Mining Block Project at Sy.No.28 & 29 of Govanaki Village & Sy.No.132 of Mangalore village, Badami Taluk, Bagalkot District(4-36 Acres) by Member Secretary & Deputy Director, District Sand Monitoring Committee, Bagalkote District (SEIAA 691 MIN 2019)

<table>
<tr><th>Sl. No</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Member Secretary,
District Sand Monitoring Committee, Bagalkot District & Deputy Director,
Department of Mines and Geology,
Bagalkot District.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>"Cluster Sand Mining Block" at Govanaki & Mangalore Sand Mining Block –1, 2 & 3 in front of Sy. No. 28 & 29 Govanaki Village, Sy.No – 132 of Mangalore – Village, Badami taluk, Bagalkote district, Karnataka of Member Secretary, District Sand Monitoring Committee, Bagalkot District,Karnataka State</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>
<table>
<tr><th>SL.No</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>BP-L</td><td>N 15^{0}54' 54.88"</td><td>E 75^{0}45' 28.31"</td></tr>
<tr><td>BP-M</td><td>N 15^{0}54' 54.69"</td><td>E 75^{0}45' 29.38"</td></tr>
<tr><td>BP-N</td><td>N 15^{0}55' 02.61"</td><td>E 75^{0}45' 32.61"</td></tr>
<tr><td>BP-O</td><td>N 15^{0}55' 3.00"</td><td>E 75^{0}45' 31.40"</td></tr>
<tr><td>BP-A</td><td>N 15^{0}55' 1.69"</td><td>E 75^{0}45' 32.78"</td></tr>
<tr><td>BP-B</td><td>N 15^{0}54' 58.02"</td><td>E 75^{0}45' 33.41"</td></tr>
<tr><td>BP-C</td><td>N 15^{0}54' 56.27"</td><td>E 75^{0}45' 31.00"</td></tr>
<tr><td>BP-D</td><td>N 15^{0}54' 56.57"</td><td>E 75^{0}45' 30.14"</td></tr>
<tr><td>BP-N</td><td>N 15^{0}55' 02.61"</td><td>E 75^{0}45' 32.61"</td></tr>
<tr><td>BP-U</td><td>N 15^{0}54' 50.94"</td><td>E 75^{0}45' 30.01"</td></tr>
<tr><td>BP-V</td><td>N 15^{0}54' 50.90"</td><td>E 75^{0}45' 29.25"</td></tr>
<tr><td>BP-W</td><td>N 15^{0}54' 53.86"</td><td>E 75^{0}45' 29.74"</td></tr>
<tr><td>BP-X</td><td>N 15^{0}54' 53.84"</td><td>E 75^{0}45' 29.08"</td></tr>
<tr><td colspan="3">WGS – 84 DATUM</td></tr>
</table>
</td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Cluster Sand Mining Block</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
<tr><td>6</td><td>Type of Land [Forest,</td><td>Government Revenue Land (Non Forest)</td></tr>
</table>

	Government Revenue, Gomal, Private/Patta, Other]		
7	Whether the project site fall within ESZ/ESA		No
8	Area in Ha		1.983 Ha
9	Actual Depth of sand in the lease area in case of River sand		0.5 to 1m
10	Depth of Sand proposed to be removed		As only one year is proposed to be mined.
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016		Not Applicable (only for 1 year production)
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		Fresh area
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		22,392 Tonnes for 1 year
14	Quantity of Topsoil/Over burden in cubic meter		There is no topsoil available in this area.
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		No waste is generated.
16	Project Cost (Rs. In Crores)		0.20
17	Environmental Sensitivity		
	a.	Nearest Forest	VankandurgBlock Reserved Forest -0.30 kms(E) GovanakiReserved Forest -0.30 kms (W)
	b.	Nearest Human Habitation	GovanakiVillage -0.25 kms (W)
	c.	Educational Institutes, Hospital	Badami - 7.90 Kms W
	d.	Water Bodies	This is a river sand mining project. The site is in MalaprabhaRiver bed
	e.	Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006		NA
19	Details of Land Use in Ha		
	a.	Area for Mining/ Quarrying	1.983
	b.	Waste Dumping Area	--
	c.	Top Soil Storage Area	--
	d.	Mineral Storage Area	--

	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Green Belt Area	--	
	h.	Mineral Seperation plant	--	
	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Open cast quarrying by Semi-Mechanised method	
21	Rate of Replenishment in case River sand project		As only one year is proposed to be mined.	
22	Water Requirement			
	a.	Source of water	Water Tankers (Borewell from the village)	
	b.	Total Requirement of Water in KLD	Dust Suppression	7.8 KLD
			Domestic	1.4 KLD
			Other	2.2 KLD (green belt)
			Total	11.4 KLD
23	Storm water management plan		• Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the meeting 231st meeting held on 27-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Malaprabha River bed. The lease has been notified on 30-8-2019 for a cluster of three blocks with total extent of 4 Acres 36 guntas. The proponent has stated that the average dry weather flow in the lease area is 527.4 meter MSL and top level of the sand block is 530.8 meter MSL and the depth of mining proposed is 0.5m, 1m & 1m respectively for Block-1, Block-2 and Block-3 respectively and the bottom of the mining pit will be one meter above the dry weather flow level with consideration of these fact the proposed quantity of 7944 tons, 11352 tons & 3096 tons respectively in Block-1, Block-2 & Block-3 can be mined safely and scientifically.

As per the cluster sketch there are three leases within 500 meter radius from this lease area with a total area of 4 Acre 36 guntas and this being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 200 meter and proceeding further to connect all weather road.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:

1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
3) The overall depth of mining shall not exceed one meter from the top level at any point of time during the lease period.

Action: Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

The meeting concluded with thanks to the Chair.

Chairman, SEAC
Karnataka.