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Proceedings of the 239th SEAC Meeting held on 11th and 12th February 2020

11th February 2020

Members present in the meeting:

Sri. N. Naganna	-	Chairman
Dr. B. Chikkappaiah,IFS(R)	-	Member
Dr.N Krishnamurthy	-	Member
Dr M.I Hussain	-	Member
Shri M. Srinivasa	-	Member
Shri J.G Kaveriappa	-	Member
Sri G.T Chandrashekrappa	-	Member
Dr K.B Umesh	-	Member
Sri Vyshak V Anand	-	Member
Dr. Vinod Kumar C.S	-	Member
Shri D. Raju	-	Member
Sri Venugopal V	-	Member
Sri Md.Saleem I Shaikh	-	Member
Dr.S.Venkatesan IFS	-	Secretary

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 239th 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 judgment 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 **238th SEAC meeting** held on 21st and 22nd January 2020.

The State Expert Appraisal Committee, Karnataka perused the proceedings of 238th SEAC meeting held on 21st and 22nd January 2020 and confirmed the same.

10:15 AM to 1:30PM

Fresh Projects:

239.1 Environmental Clearance for the proposed Development of Residential Apartment with 2BF+GF+24UF Project at Municipal No.18 and PID No.77-35-18 of Sampangi Ramanagara Village, Bengaluru Urban Taluk, Bangalore District **by M/s. Nestled Haven Developers LLP (SEIAA 4 CON 2020)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. NESTLED HAVEN DEVELOPERS LLP No.548/35, 3rd floor, 50ft road, Hanumanth Nagar, Banashankari 1st stage, 1st block, Bengaluru 560050
2	Name & Location of the Project	Development of Residential Apartment Muncipal No. 18 and PID No.77-35-18, Sri Ram mandira Road, Sampangiramnagar, Bengaluru
3	Co-ordinates of the Project Site	Latitude : 12° 57.824'N Longitude: 77° 35.678'E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Ulsoor Lake NE-3.08Km Lalbagh Lake SW-2.0Km
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.	Not applicable
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development ofResidential Apartment
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	9076.0sqm
7	Built Up area (Sqmt)	45,018sqm

8	Building Configuration [Number of Blocks/Towers/Wingsetc.,with Numbers of Basements and Upper Floors]	2B+GF+24F
9	Number of units in case of Construction Projects	67units
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	120Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	1621.0sqm
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2996.0sqm
d.	Paved area& driveways	4459.0 sqm
e.	Internal Roads	--
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	Not Applicable
h.	Total	9076.0 Sqm
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)	3250 Cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	3250 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	Backfilling, foundation, road area and for

	excavated earth along with Coordinate of the site proposed for such disposal	gardening	
15	WATER		
I.	Construction Phase		
a.	Source of water	STP treated water for construction purpose & Tanker water for domestic	
b.	Quantity of water for Construction in KLD	40 KLD	
c.	Quantity of water for Domestic Purpose in KLD	13.55 KLD	
d.	Waste water generation in KLD	11.5KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	will be treated in mobile toilets	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	46KLD
		Recycled	24KLD
		Total	70KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	59.5KLD	
d.	STP capacity	65 KLD	
e.	Technology employed for Treatment	SBR Technology	
f.	Scheme of disposal of excess treated water if any	There is no excess treated wastewater from the proposed project.	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	1×225 cum	
b.	No's of Ground water recharge pits	6 no's	
17	Storm water management plan	• Land is gently sloping terrain and sloping towards Westdirection. • Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads. • Rainwater collection tank of capacity 1×225cum is proposed which will be provided to collect	

		the roof run off, which will be reused after prior treatment. • 6number of recharge pits 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 -30.0kg/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 -88.9 Kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 6.0kg/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 -133.4Kg/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	BESCOM -1000 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1X750KVA
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	Energy conservation devices such as Solar energy, LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 22.8%.
20	PARKING	
a.	Parking Requirement as per norms	Required =203no's, Provided = 241no's

b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	--
c.	Internal Road width (RoW)	Approach road width - 13 m Internal road width is-14.5 m

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 239th meeting held on 11-02-2020 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 city survey map there are no water bodies either in the form of natural nala or water ponds which attracts buffer zone as per norms.

As far as CER is concerned the proponent has stated that he will earmark Rs. 1.8crores to take up greenery work in Gnanabharathi campus, Bangalore in consultation with university authorities.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the above and 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) Only registered labours should be employed.
4) 20% eco friendly materials to be used for construction.
5) Sub metering for water consumption to be installed.

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

239.2 Environmental Clearance for the proposed Development of Residential Apartment Building in 145 units with BF+GF+4UF Project at Sy.No.113/2 of

Nagondanahalli Village, K.R.Puram Hobli, Bangalore East Taluk, Bangalore Urban District by **M/s. United Developers (SEIAA 5 CON 2020)**

Sl. No		PARTICULARS	INFORMATION
1		Name & Address of the Project Proponent	M/s. United Developers, Sy No. 67/1, 5th Floor, Above Udupi Park Hotel, Jayarama Reddy Layout, Whitefield Main Road, Mahadevapura, Bangalore-560048
2		Name & Location of the Project	Proposed Residential Apartment Building Project at Sy. No. 113/2, of Nagondanahalli Village, K R Puram Hobli, Bangalore East Taluk, Bangalore
3		Co-ordinates of the Project Site	12°58'26.56"N 77°45'59.75"E
4		Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	--
	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	Residential Building
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Building
	b.	Residential Township/ Area Development Projects	NA
6		Plot Area (Sqm)	7,262.40 m2
7		Built Up area (Sqm)	21,433.17 m2
8		Building Configuration Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Residential building in B+G+4UF

9	Number of units in case of Construction Projects	NA
10	Number of Plots in case of Residential Township/ Area Development Projects	145 Units
11	Project Cost (Rs. In Crores)	40
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	3079.50 Sqm (49.99%).
b.	Kharab Land	303.68 SQM
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1,731.48 m2 (28.11%)
d.	Internal Roads	5 mts Width
e.	Paved area	677.60 Sqm (11.00%).
f.	Others Specify	Road widening area – 104.08 Sqmt
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
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	NA
b.	Total quantity of Excavated earth (in cubic meter)	22,000
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	For back filling = 8,000 For Landscape= 6,000 For Internal Road making =8, 000
d.	Excess excavated earth (in cubic meter)	NA
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site	NA

		proposed for such disposal		
15		WATER		
	I.	Construction Phase		
	a.	Source of water	BWSSB STP treated water	
	b.	Quantity of water for Construction in KLD	20 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	2 KLD	
	d.	Waste water generation in KLD	1 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Mobile sewage Treatment Plant	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	65
			Recycled	33
			Total	98
	b.	Source of water	Gramapanchayath	
	c.	Waste water generation in KLD	88	
	d.	STP capacity	90 KLD	
	e.	Technology employed for Treatment	SBR	
	f.	Scheme of disposal of excess treated water if any	Excess 35 KLD treated water will be used for, car washing, floor washing, for avenue plantation and for nearby projects construction purposes.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	180 m^3	
	b.	No's of Ground water recharge pits	6 Nos	
17		Storm water management plan	Enclosed in EMP	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Shall be disposed through BBMP Authorised vendors.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1961 kg/day converted in to organic manure and used for garden	

	b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	130 Kg/ day given to PCB authorized recycler
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	20-50 Lts/one B check given to PCB authorized recycler
	d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	100 Kg/year given to PCB authorized recycler
19		POWER	
	a.	Total Power Requirement - Operational Phase	580 kW
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	250 KVA X 2 nos.
	c.	Details of Fuel used for DG Set	Low Sulphuric diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	18% we have achieved
20		PARKING	
	a.	Parking Requirement as per norms	160
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Traffic report is enclosed
	c.	Internal Road width (RoW)	5 mts

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 239th meeting held on 11-02-2020 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 seen from the village survey map there are no water bodies either in the form of natural nala or water ponds which attracts buffer zone as per norms.

As far as CER is concerned the proponent has stated that he will earmark Rs. 80.00lakhs to take up greenery work in Gnanabharathi campus, Bangalore in consultation with university authorities.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the above and 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) Only registered labours should be employed.
4) 20% eco friendly materials to be used for construction.
5) Sub metering for water consumption to be installed.

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

239.3 Environmental Clearance for the proposed Expansion of Hospital Building Project at Vidyanagar Village, Hubli Taluk, Dharwad District **by M/s. Karnataka Institute of Medical Sciences (SEIAA 7 CON 2020)**

Sl. No	PARTICULARS	INFORMATION
1	**Name & Address of the Project Proponent**	Dr. Ramalingappa C Antartani Director Vidyanagar, Hubli Karnataka - 580032
2	**Name & Location of the Project**	Karnataka Institute of Medical sciences (KIMS) Vidyanagar, Hubli Karnataka- 580032
3	**Co-ordinates of the Project Site**	Latitude: 15°21'43.00"N Longitude: 75° 7'50.04"E
4	**EnvironmentalSensitivity**	
a.	Distance from periphery of nearest Lake and other water bodies	Unkal lake at 2.2 km (NW) Topallgatti Lake at 2.3 km (W)

	(Lake, Rajakaluve, Nala etc.,)	Raynal Lake at 3.7 km (SW) Santhosh Nagar Lake at 1.2 km (NE)
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.	--
5	**Type of Development**	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital / other	Development of Hospital Building
b.	Residential Township/ Area Development Projects	Not Applicable
6	**Plot Area (Sqmt)**	3,85,789.82 Sq.m
7	**Built Up area (Sqmt)**	1,48,842.96 Sq.m
8	**Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]**	New Ladies Hostel: G+3UF OT Complex:B+G+5UF Max height – 24m
9	**Number of units in case of Construction Projects**	2 unit
10	**Number of Plots in case of Residential Township/ Area Development Projects**	Karnataka Institute of Medical Sciences (KIMS), Vidyanagar, Hubli Karnataka - 580032
11	**Project Cost (Rs. In Crores)**	150Crores
12	**Recreational Area in case of Residential Projects / Townships**	Not Applicable
13	**Details of Land Use (Sqmt)**	
a.	Ground Coverage Area	52,535.9 Sqmt
b.	Kharab Land	No
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1,72,453.1 Sqmt
d.	Internal Roads and parking area	1,14,545.3Sqmt
e.	Paved area	--
f.	Others Specify	--
g.	Parks and Open space in case of	--

	Residential Township/ Area Development Projects		
h.	Total		3,85,786.82 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
b.	Total quantity of Excavated earth (in cubic meter)		–
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)		No excavation work is needed.
d.	Excess excavated earth (in cubic meter)		--
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal		--
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 Construction in KLD		15 KLD
c.	Quantity of water for Domestic Purpose in KLD		4.5 KLD
d.	Waste water generation in KLD		3.8 KLD
e.	Treatment facility proposed and scheme of disposal of treated water		Will be treated in mobile toilets.
II.	**Operational Phase**		
a.	Total Requirement of Water in KLD	**Domestic**	633KLD
		Recycled	376KLD
		Total	1009KLD
b.	Source of water		Karnataka Urban Water Supply and Drainage Board, Hubli
c.	Waste water generation in KLD		944 KLD

d.	STP capacity	450 KLD + 500 KLD
e.	Technology employed for Treatment	Activated Sludge Process
f.	Scheme of disposal of excess treated water if any	Not applicable
16	**Infrastructure for Rain water harvesting**	
a.	Capacity of sump tank to store Roof run off	7X150 cum
b.	No's of Ground water recharge pits	771 no's
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 capacity7X150 KLDis proposed which will be provided to collect the roof run off, which will be reused after prior treatment. • 771 no's 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 –10kg/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 – 776kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 45 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 – 1165 kg/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. The biomedical wastes generated from the hospital will be properly packed in color-coded bags as per Pollution Control Board regulations and will be handed over to Hubli Dharwad Common Biomedical Treatment facility for further treatment. MoU has been made for the same.
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	1400 kW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Existing- 300 KVA X 1, 500 KVA X 2, 125 KVA X 1, 200 KVA X 1, 125 KVA X 1, 200 KVA X 1, 750 KVA X 2
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	---
20	**PARKING**	
a.	Parking Requirement as per norms	Required = 612 no's, Provided = 654no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	.....
c.	Internal Road width (RoW)	Approach road width - 15m Internal road width is - 5m

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 239th meeting held on 11-02-2020 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 proposal is for expansion of existing hospital building. The proponent has stated that the BUA of already existing structure is 140001.96 sq mtrs and the addition due to this expansion proposal is 8841 sq mtrs so the total BUA of existing structure and proposed expansion being less than the threshold limit of 150000 sq mtrs the proponent has requested to categorize his project under B2 category. The proponent has also stated that already existing structures were built prior to 2006 when EC was not mandatory.

As seen from the village survey map there are no water bodies either in the form of natural nala or water ponds which attracts buffer zone as per norms.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the above and 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) Only registered labours should be employed.
4) 20% eco friendly materials to be used for construction.
5) Sub metering for water consumption to be installed.
6) CNG Gen sets are to be established in place of diesel gensets.
7) Separate STP for hospital waste management to be established, instead of common STP.

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

239.4 Environmental Clearance for the proposed Development of Multi Storey Residential Flats Project in 837 units with 2 Blocks (A&B): SF+GF+12UF at Sy.No.30 of Agraharapalya Village, Dasanapura Hobli, Bangalore North Taluk, Bangalore Urban District **by M/s. Rajiv Gandhi Housing Corporation Ltd (SEIAA 8 CON 2020)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Rajiv Gandhi Housing Corporation Ltd., # Cauvery Bhavan, 9th Floor, E & F Block, K.G. Road, Bangalore-560009

2	Name & Location of the Project	Proposed Multi Storey Residential Flats Under "1 Lakh Multi Storey Bengaluru Housing Programme" at Sy. No. 30, Agraharapalya Village, Dasanapura Hobli, Bangalore North Taluk, Bangalore.
3	Co-ordinates of the Project Site	13°07'46.82"N 77°27'03.43"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Agraharapalaya lake is at a distance of 900m 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.	NA
5	Type of Development	Residential Building
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Building
b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)	20,273.53 m^2
7	Built Up area (Sqm)	41318.21 m^2
8	Building Configuration Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Residential building Residential Building configuration = Block –A : S+G+12UF (597 units) Block –B : S+G+12UF (240 units)
9	Number of units in case of Construction Projects	NA
10	Number of Plots in case of Residential Township/ Area Development Projects	837 Units
11	Project Cost (Rs. In Crores)	Rs. 73.33
12	Recreational Area in case of Residential Projects / Townships	NA

13		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	2927.23 Sqm (16.97%)
	b.	Kharab Land	NA
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	4460.17 sqm (22.0%)
	d.	Internal Roads	7.5 mts Width
	e.	Paved area	7769.27 Sqm (38.32%)
	f.	Others Specify	Area of Existing Road -556.42 Sqm Area of CDP Road -658.18 Sqm Area of CDP Cart Track -861.23 Sqm
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	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	NA
	b.	Total quantity of Excavated earth (in cubic meter)	7,000
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	For back filling = 3,000 For Landscape= 2,000 For Internal Road making =2,000
	d.	Excess excavated earth (in cubic meter)	NA
	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	BWSSB STP treated water
	b.	Quantity of water for Construction in KLD	50 KLD
	c.	Quantity of water for Domestic	5 KLD

		Purpose in KLD		
	d.	Waste water generation in KLD	4KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Mobile sewage Treatment Plant	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	500
			Total	500
	b.	Source of water	Gramapanchayath	
	c.	Waste water generation in KLD	450	
	d.	STP capacity	450 KLD	
	e.	Technology employed for Treatment	SBR System	
	f.	Scheme of disposal of excess treated water if any	Excess 277.5 KLD treated water will be used for floor washing, for vehicle washing and will be given to nearby construction projects	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	160 m^3	
	b.	No's of Ground water recharge pits	16 No's	
17		Storm water management plan	Enclosed in EMP	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Shall be disposed through local vendors.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1004 kg/day converted in to organic manure and used for garden	
	b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	670 Kg/day given to PCB authorized recycler	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	30-70 Lts/one B check given to PCB authorized recycler	
	d.	Quantity of E waste generation waste generation and mode of	80 Kg/year given to PCB authorized recycler	

		Disposal as per norms	
19		POWER	
	a.	Total Power Requirement - Operational Phase	1674 kW
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	125 kVA X 2 Nos.
	c.	Details of Fuel used for DG Set	Low Sulphuric diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	18% we have achieved
20		PARKING	
	a.	Parking Requirement as per norms	170
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Traffic report is enclosed
	c.	Internal Road width (RoW)	7.5 mts

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 239th meeting held on 11-02-2020 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 seen from the village survey map there is a tertiary nala along the south-eastern boundary of the project site, for which the proponent stated that he has left 9 mtr buffer zone as per Nelamangala local planning authority.

This is a project which comes under PMAY and Chief Minister one lakh Bangalore housing scheme under affordable housing scheme. This being the special scheme the proponent has stated that he is likely to get following relaxations for which UDD in principle has agreed.

1. Approach road width a) For G+3 Model from 9meter to 7meter b) S+14 Model From 12 Meter to 9 meter

2. FAR - Up to 3 as against 1.75 to 2.00
3. Corridor width - From 2meter to 1.8meter
4. Parking- a)1 car parking for every six houses of 1 BHK b) 1 car parking for every two houses of 2 BHK
5. To convert the stilt floor to accommodate Physically handicapped persons to an extent of 2% of the total number of units.
6. Set backs a) For G+3 construction - 3meters against 5meters b) For towers which are more than G+3 upper floors-5Meters against 50% of the total height of the towers.

As per the records the greenery area is about 22% of the total area and the proponent has stated that he will plant 255 plants species as mandated. The proponent has also stated that he will built separate rain water storage tanks of capacity 200cum for storing the rainwater generated from hard paved area in addition to 160cum water storing capacity already proposed for storing water from the terrace. The proponent has also stated that he will allocate terrace area for the individual occupants who come forward to install solar water heaters. The proponent has also stated that he will go for dual plumbing to utilize maximum quantity of sewage generated and reduce fresh water demand.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the above and 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) Only registered labours should be employed.
4) 20% eco friendly materials to be used for construction.
5) Sub metering for water consumption to be installed.

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

239.5 Environmental Clearance for the proposed Multi Storey Residential Flats Project at Sy.No.13 of Thotagere Village, Dasanapura Hobli, Bangalore North

Taluk, Bangalore Urban District **by M/s. Rajiv Gandhi Housing Corporation Ltd (SEIAA 9 CON 2020)**

Sl. No		PARTICULARS	INFORMATION
1		Name & Address of the Project Proponent	M/s. Rajiv Gandhi Housing Corporation Ltd., # Cauvery Bhavan, 9th Floor, E & F Block, K.G. Road, Bangalore-560009
2		Name & Location of the Project	Proposed Multi Storey Residential Flats Under "1 Lakh Multi Storey Bengaluru Housing Programme" at Sy. No. 13, Thotagere Village, Dasanapura Hobli, Bangalore North Taluk, Bangalore.
3		Co-ordinates of the Project Site	13°08'58.81"N 77°26'32.97"E
4		Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Kukkanahalli lake is at a distance of 1120m 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.	NA
5		Type of Development	Residential Building
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital / other	Residential Building
	b.	Residential Township/ Area Development Projects	NA
6		Plot Area (Sqm)	53,441.59 m^2
7		Built Up area (Sqm)	1,36,618.09 m^2
8		Building Configuration Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Residential building Residential Building configuration = Residential Building configuration = Block –A : S+G+12UF (769 units)

		Block –B : S+G+12UF (716 units) Block –C : S+G+12UF (690 units) Block –D : S+G+12UF (279 units) Block –E : S+G+12UF (279 units)
9	Number of units in case of Construction Projects	NA
10	Number of Plots in case of Residential Township/ Area Development Projects	2733 Units
11	Project Cost (Rs. In Crores)	Rs. 245.97
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	9742.67 Sqm (18.23%)
b.	Kharab Land	NA
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	11794.24 Sqm (22.07%)
d.	Internal Roads	7.5 mts Width
e.	Paved area	7280.50 Sqm (13.62%)
f.	Others Specify	Road area - 16607.92 Sqm
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
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	NA
b.	Total quantity of Excavated earth (in cubic meter)	28,000
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	For back filling = 14,000 For Landscape= 6,000 For Internal Road making =8,000
d.	Excess excavated earth (in cubic	NA

		meter)		
	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	BWSSB STP treated water	
	b.	Quantity of water for Construction in KLD	50 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	5 KLD	
	d.	Waste water generation in KLD	4KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Mobile sewage Treatment Plant	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	1625
			Total	1625
	b.	Source of water	Gramapanchayath	
	c.	Waste water generation in KLD	1463	
	d.	STP capacity	1465 KLD	
	e.	Technology employed for Treatment	SBR System	
	f.	Scheme of disposal of excess treated water if any	Excess 1040 KLD treated water will be used for floor washing, for vehicle washing and will be given to nearby construction projects	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	600 m^3	
	b.	No's of Ground water recharge pits	59 No's	
17		Storm water management plan	Enclosed in EMP	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Shall be disposed through local vendors.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable	3280 kg/day converted in to organic manure	

		waste generation and mode of Disposal as per norms	and used for garden
	b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	2186 Kg/day given to PCB authorized recycler
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	80-150 Lts/one B check given to PCB authorized recycler
	d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	100 Kg/year given to PCB authorized recycler
19		POWER	
	a.	Total Power Requirement - Operational Phase	5466kW
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	320 kVA X 2 Nos.
	c.	Details of Fuel used for DG Set	Low Sulphuric diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	18% we have achieved
20		PARKING	
	a.	Parking Requirement as per norms	508
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Traffic report is enclosed
	c.	Internal Road width (RoW)	7.5 mts

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 239th meeting held on 11-02-2020 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 seen from the village survey map there are no water bodies either in the form of natural nala or water ponds which attracts buffer zone as per norms.

This is a project which comes under PMAY and Chief Minister one lakh Bangalore housing scheme under affordable housing scheme. This being the special scheme the proponent has stated that he is likely to get following relaxations for which UDD in principle has agreed.

1. Approach road width a) For G+3 Model from 9meter to 7meter b) S+14 Model From 12 Meter to 9 meter
2. FAR - Up to 3 as against 1.75 to 2.5
3. Corridor width – From 2meter to 1.8meter
4. Parking- a)1 car parking for every six houses of 1 BHK b) 1 car parking for every two houses of 2 BHK
5. To convert the stilt floor to accommodate Physically handicapped persons to an extent of 2% of the total number of units.
6. Set backs a) For G+3 construction – 3meters against 5meters b) For towers which are more than G+3 upper floors-5Meters against 50% of the total height of the towers.

As per the records the greenery area is about 22.07% of the total area and the proponent has stated that he will plant 670 plants species as mandated. The proponent has also stated that he will build separate rain water storage tanks of capacity 400cum for storing the rainwater generated from hard paved area in addition to 600cum water storing capacity already proposed for storing water from the terrace. The proponent has also stated that he will allocate terrace area for the individual occupants who come forward to install solar water heaters. The proponent has also stated that he will go for dual plumbing to utilize maximum quantity of sewage generated and reduce fresh water demand.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the above and 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) Only registered labours should be employed.
4) 20% eco friendly materials to be used for construction.
5) Sub metering for water consumption to be installed.

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

239.6 Environmental Clearance for the proposed Commercial Building Project at Plot No.151, Industrial Suburb, Yeshwanthpur, Bangalore North Taluk, Bangalore Urban District **by M/s. Bharathi Housing Factory (SEIAA 10 CON 2020)**

The proponent was invited for the 239th meeting held on 11-02-2020 to provide required clarification. The proponent remained absent with intimation.

The committee after discussion 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.

239.7 Environmental Clearance for the proposed Development of Multi Storey Residential Flats Project in 857 units with 2 Blocks (A&B): SF+14UF at Site No.3, Sy.No.145 of Nelaguli Village, Uttarahalli Hobli, Bangalore South Taluk, Bangalore Urban District **by M/s. Rajiv Gandhi Housing Corporation Ltd (SEIAA 11 CON 2020)**

The proponent was invited for the 239th meeting held on 11-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

239.8 Environmental Clearance for the proposed Multi Storey Residential Flats Project at Site No.2, Sy.No.145 of Nelaguli Village, Uttarahalli Hobli, Bangalore South Taluk, Bangalore Urban District **by M/s. Rajiv Gandhi Housing Corporation Ltd (SEIAA 12 CON 2020)**

The proponent was invited for the 239th meeting held on 11-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

2.15PM-6.00PM

TOR Projects:

239.9 Proposed Development of Industrial Area Project at Mudigere Kaval Village, Sira Taluk, Tumkur District - KIADB, TUMKUR **by Development officer and Executive Engineer, KIADB Tumkur (SEIAA 48 IND 2019)**

Sno	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Karnataka Industrial Areas Development Board (KIADB, 4th & 5th floors, KhanijaBhavan, East Wing, No.49, Race Course Road, Bangalore 560001
2	Name & Location of the Project	Development of Sira Industrial Area, MudigereKaval Village, SiraTaluk, Tumkur District, Karnataka
3	Co-ordinates of the Project Site	

ID	Latitude	Longitude	ID	Latitude	Longitude
Part -1					
A1	13° 43' 15.5" N	76° 53' 29.3" E	A12	13° 43' 38.5" N	76° 53' 51.2" E
A2	13° 43' 07.0" N	76° 53' 10.9" E	A13	13° 43' 44.3" N	76° 53' 50.3" E
A3	13° 42' 00.8" N	76° 53' 44.1" E	A14	13° 43' 37.9" N	76° 53' 35.5" E
A4	13° 41' 48.8" N	76° 53' 51.8" E	A15	13° 43' 42.6" N	76° 53' 33.1" E
A5	13° 41' 45.3" N	76° 53' 55.9" E	A16	13° 43' 46.8" N	76° 53' 42.2" E

			A6 | 13° 41' 58.0" N | 76° 53' 57.6" E | A17 | 13° 43' 46.6" N | 76° 53' 45.8" E A7 | 13° 42' 15.2" N | 76° 54' 06.4" E | A18 | 13° 43' 52.5" N | 76° 53' 41.0" E A8 | 13° 42' 37.1" N | 76° 53' 59.7" E | A19 | 13° 43' 58.4" N | 76° 53' 29.3" E A9 | 13° 43' 01.4" N | 76° 54' 01.5" E | A20 | 13° 43' 45.8" N | 76° 53' 24.3" E A10 | 13° 43' 05.3" N | 76° 53' 49.1" E | A21 | 13° 43' 36.2" N | 76° 53' 18.9" E A11 | 13° 43' 32.0" N | 76° 53' 55.1" E Part -2 B1 | 13° 44' 01.1" N | 76° 53' 43.9" E | B4 | 13° 43' 53.8" N | 76° 53' 43.8" E B2 | 13° 44' 00.0" N | 76° 53' 41.6" E | B5 | 13° 43' 54.7" N | 76° 53' 47.3" E B3 | 13° 43' 54.1" N | 76° 53' 42.9" E
4	Environmental Sensitivity		
	a.	Distance From nearest Lake/ River/ Nala	Sira Lake is about 1.5 km (E)
	b.	Distance from Protected area notified under wildlife protection act	NA
	c.	Distance from the interstate boundary	Andhra Pradesh State Border is 12.3 km (E)
	d.	whether located in critically / severally polluted area as per the CPCB norms	NO
5	Type of Development as per schedule ofEIA Notification, 2006 with relevant serial number		Proposed project falls under Project Activity 7(c) – Industrial estates/ Parks/ Complexes/ Areas, Export Processing Zones (EPZs), Special Economic Zones (SEZs), Biotech parks, Leather complexes, **Category 'B'** (Industrial estates housing at least one Category B

<table>
<tr><td></td><td></td><td>industry &area <500 ha)</td></tr>
<tr><td>6</td><td>New/ Expansion! Modification!Product mix change</td><td>New</td></tr>
<tr><td>7</td><td>Plot Area (Acers)</td><td>815.27</td></tr>
<tr><td>8</td><td>Component of developments</td><td>The proposed industrial area will be developed in an integrated manner with all required infrastructure facilities like roads, electricity, water, developed plots for setting small and medium scale industries, residential area, offices and commercial establishments</td></tr>
<tr><td>9</td><td>Project cost (Rs. In crores)</td><td>Rs 340.20 crores</td></tr>
<tr><td>10</td><td>Details of Land Use</td><td>
<table>
<tr><th>Land use type</th><th>Area (Ac)</th><th>Area %</th><th>Remarks</th></tr>
<tr><td>Industrial Area</td><td>352.16</td><td>43.2</td><td rowspan="12">33% of total project area will be developed as green belt area.</td></tr>
<tr><td>KSSIDC</td><td>75.14</td><td>9.22</td></tr>
<tr><td>Residential</td><td>77.55</td><td>9.51</td></tr>
<tr><td>Commercial</td><td>27.08</td><td>3.32</td></tr>
<tr><td>Amenity</td><td>15.88</td><td>1.95</td></tr>
<tr><td>Utility</td><td>24.7</td><td>3.03</td></tr>
<tr><td>Park/ Nala&Nala Buffer / Buffer</td><td>82.73</td><td>10.1</td></tr>
<tr><td>Parking</td><td>40.79</td><td>5</td></tr>
<tr><td>Roads</td><td>91.12</td><td>11.2</td></tr>
<tr><td>Proposed Railways</td><td>16.98</td><td>2.08</td></tr>
<tr><td>Office space</td><td>11.14</td><td>1.37</td></tr>
<tr><td>Total</td><td>815.27</td><td>100.0</td></tr>
</table>
</td></tr>
<tr><td>11</td><td>Products and By-Products with quantity (enclose as Annexure ifnecessary)</td><td>All required infrastructure facilities like roads, electricity, water, developed plots for setting small and medium scale industries, residential area, offices and commercial establishments</td></tr>
<tr><td>12</td><td>Raw material with quantity and theirsource (enclose as Annexure ifnecessary)</td><td>Construction material like stone, aggregates, sand / soil etc. will be procured from nearby sources.</td></tr>
<tr><td>13</td><td>Mode of transportation of Raw materialand storage facility</td><td>Construction material will be transported through trucks covered with tarpaulin sheets. They will be stored in go-downs earmarked for storing of raw material.</td></tr>
<tr><td>14</td><td>Transportation and storage facility forcoal! Bio- fuel in case of</td><td>NA</td></tr>
</table>

	thermal powerplant		
15	Fly ash production, storage anddisposal details whereas coal is used asfuel		Fly ash production, storage and disposal details will be provided during obtaining CFE by individual industries. They shall handle as per applicable regulation.
16	Complete process flow diagram andtechnology employed		NA
17	Details of Plant and Machinery withcapacity/ Technology used		Details of plant and machinery with capacity/ technology usedwill be provided during obtaining CFE by individual industries.
18	Details ofVOC emission and controlmeasures wherever applicable		VOC emissions and control measures from production process will be worked out by individual industries. Details will be submitted during obtaining CFE by individual industries.
19	Water requirement		
	a.	Source of water	Water will be sourced from various sources like tertiary treated water from VasanthanarasapuraI.A for industrial use and green belt development, ground water from bore wells within the project site shall be used for domestic portable requirement and treated water from CETP/ ETP/ CSTP located within the project site for industrial use and green belt development.
	b	Total Requirement of Water in KLD	Total water requirement of project is estimated to be around 3.8 MLD Fresh: 2026.6 KLD Recycled @Sira IA: 1737.7 KLD Total: 3764.3 KLD ~ 3.8 MLD
	c	Waste water generation in KLD	Industrialeffluent: 801.6 KLD Domestic sewage: 1027.6 KLD Total: 1829.2 KLD
	d	ETP/ STP Capacity	Estimated capacities are CETP: 900 KLD STP: 1200 KLD
	e	Scheme of disposal of excesstreated water if any	Project is based on Zero Liquid Discharge (ZLD) concept.Individual industries (except redcategory industries) will setuptreatment systems to treatwastewater before sending to CETPinlet standards proposed withinindustrial area.Red category waterpollution potential industries shallimplement ZLD within their plantpremises.
20		Infrastructure for Rain	Proposed to harvest roof top rain water from all the buildings within Sira industrial area except those falling

		waterharvesting	in Red and Orange categories as per CPCB classification i.e. residential, commercial, office areas shall implement roof top rain water harvesting systems within six months of grant of NOC. Harvested water will be stored in collection tanks and utilized for domestic & industrial purpose after suitable treatment and ground water recharge by constructing rainwater harvesting pits.
21	Storm water management plan		Suitable storm water drains and management plan shall be developed to handle storm water within IA
22	Air Pollution		
	a	Source of Air Pollution	Dust generation during construction and vehicular movement, flue gas from stacks, DG set & fugitive emissions. Individual industries will provide details during obtaining CFE
	b	Composition of emission	Emissions will be mostly Suspended Particulate Matter, $SO_2$and NO_x. Individual industries will provide details of air pollution emission from process during obtaining CFE.
	c	Air pollution control measuresproposed and technology employed	Individual industries will provide details of air pollution control measuresproposed and technology employed during obtaining CFE.
23	Noise Pollution		
	a	Sources of Noise pollution	Use of machinery and process operations of industrial units.
	b	Expected levels of Noise pollutionin dB	Individual industries will provide expected noise level details during obtaining CFE.
	c	Noise pollution control measuresproposed	Individual industries will provide details of noise pollution control measuresproposed and technology employed during obtaining CFE.
24	Solid waste management		Excavated top soil generated during foundation works will be stored & used for landscaping and greenbelt development. Sub soil will be reused for levelling and internal roads. Any excess soil remaining, will be dumped only after due permission from local authorities. No hazardous & E- waste is generated due to construction and operation activities of KIADB. Hazardous waste generated by industries will be handled by individual industries as per applicable Hazardous Waste Rules, 2016. Municipal waste generated from industrial, residential,

		office and commercial areas will be collected, segregated, stored and treated or sold to authorize dealers. Separate area is earmarked for storage and processing of biodegradable waste.
25	Risk Assessment and disaster management	Will be provided during EIA report submission
26	Total power requirement	Estimated power required is about12.7 MWh. KIADB willsupply through BESCOM.

The proposal was placed before the committee for appraisal.

The Proponent and Environment Consultant attended the 239th meeting held on 11-02-2020 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 appraised the proposal as B1 and had decided to recommend the proposal to SEIAA to issue the standard TORs to conduct EIA studies in accordance with the EIA Notification, 2006 and relevant guidelines. The committee also prescribe the following additional TORs.

1. Quantify the greenery area left all along the boundary and all along the roads including parks and open spaces separately by proposing suitable local plant species for development of green belt.
2. Quantify the buffer zones left for water bodies.
3. Detail the provisions made to keep open the water bodies for public use.
4. Detail the measures to manage the earth within the project site.
5. List out the existing trees with species wise numbers wise in the project area
6. List out flora and fauna found in 10km radius study area ad if there are any schedule 1 fauna and if there are RET and endemic flora necessary protection

   plan prepared in consultation with forest authorities along with budget backup.
7. Details of Kharab land and its nature and position may be furnished.

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

239.10 Proposed Sugarcane Juice Based Distillery / Ethanol Plant Project at Sy.Nos.51/4 & 51/5 of Kukkawada Village, Davanagere Taluk & District by **M/s Davanagere Sugars Co Ltd (SEIAA 02 IND 2020)**

#	Particulate	Description
1.	Project	New 65 KLPD molasses /sugarcane juice distillery/ ethanol plant at 51/4, 51/5 village Kukkuwada, Tal. & Dist. Davangere, Karnataka.
2.	Available land	Total distillery plot area: 13 acres Green belt area: 4.3 acres
3.	Coordinates of the Project site	**A: 14°19'42.13"N, 75°52'38.43"E, B: 14°19'38.53"N, 75°52'48.47"E** **C: 14°19'33.70"N, 75°52'47.84"E, D: 14°19'37.57"N, 75°52'37.52"**
4.	Type of project New/Expansion/modification/renewal	New Project
5.	Type of land (Forest/Govt. Revenue, Gomal, private/ Patta, Other)	Private land
6.	Product	Molasses based distillery / Ethanol Plant (65 KLPD) R S & IS / Fuel Ethanol/ENA :65 KLPD Fusel oil: 0.195 KLPD (One at a time
7.	Existing sugar factory products	Existing 4750 TCD
	Sugar (TPD) (10.5 % on cane)	432 TPD
	Bagasse (TPD) (28)	1440 TPD
	Press mud (TPD) (4%)	192 TPD
	Molasses (TPD)	192 TPD
8.	Operation days	Sugar factory season: 160 day Cogeneration : 193(Seasonal operational days 160 and off season operational days 33) Distillery plant will operate for 330 days
9.	Molasses requirement	Own Cane juice on at 100 % utilization: 150000 (150 days) MT Own B-Molasses at 100 % utilization:29250 (144days) MT
10	Water requirement	Total fresh water requirement for proposed distillery will be 498 CMD.

11	Source of water	Water permission from Shygala halla is available with sugar factory. Shyagale halla, a tributary of Tungabhadra River.
12	Boiler	Incineration Boiler – 30 TPH
13	TG	Proposed distillery incineration boiler 4 MW TG (double extraction cum condensing turbine)
14	DG	Proposed: 500 kVA
15	Electricity requirement	Consumption 1.5 MW
16	Fuel	Concentrated spent wash: 8.45 MT/hr Coal: 3.48 MT/hr./ Bagasse: 5-6 T/hr.
17	Steam	Steam generation 30 TPH Steam consumption 18.50 TPH
18	Total effluent generation	Proposed Distillery effluent generation: Spent wash 650-685 CMD, spent lees 150 CMD (100% lees shall be reuse in process), process condensate 520 CMD Existing effluent generation from sugar unit: 472 CMD
19	Effluent treatment system	Total Spent wash generation will be 650-685 CMD, it will be concentrated in MEE and then burn in proposed 30 TPH spent wash fired boiler. Condensate water will be recycled back in the process Existing 1300 CMD ETP from sugar unit Treated water is recycled/reused in green belt development and ferti-irrigation.
20	Ash	**Distillery** Coal ash from proposed distillery: 29.23 TPD (max 35% for Indian coal) Spent wash ash from proposed distillery: 26.36 TPD Spent wash ash collected from the furnace bottom hoppers shall be used as manure. Coal ash will be sold to the brick manufacturer. **Sugar** Existing bagasse ash generation: 15.3TPD
21	Air pollution control measures	Electrostatic precipitator Stack height: 74 m
22	Man-power	Skilled 50 & unskilled 30

23	Total project cost	Project cost of the distillery: Rs. 98.0 Cr.
24	Total EMP capital cost	Total 4.0 Cr.
25.	Environment Sensitivity	
26	Nearest Village	Kukkuvada at 300 m
27	Nearest Town / City	Davangere is 15 km away
28	Nearest IMD station	Chitradurga (43233), Karnataka, India 58.5 km in East
29	Nearest National Highway	SH-65 Anaji-Hadadi-Udipi- Umblibail adjacent to the factory
30	Nearest Railway station	Tholahhunase 12 km and Davangere railway station 16.0 km
31	Nearest Airport	Airport Vijaynagar at 124.0 km and Hubballi airport 139.0 km
32	National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/ Elephant Reserves, Wildlife Corridors etc. within 10 km radius	No any in within 15 km of project area
33	River/Water Body (within 10 km radius)	Small water stream called Shygala halla around 1.0 km. Devarabelekere reservoir 7.23 km

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 239th meeting held on 11-02-2020 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 and EIA report provided during the meeting.

At the outset the committee member Dr Vinodkumar has recuced himself from appraisal proceedings in order to avoid conflict of interest.

As per the statement of proponent the company was established in 1970 and based on the EC issued by Secretary Forest, Environment & Ecology, GoK during the year 2002, he continued to operate the unit since then. The proponent has also stated that he is submitting EC compliance to Secretary Forest, Environment & Ecology, GoK for the above EC regularly every 6 months, since then till date. In this regard the proponent has stated that he has not obtained any certification of any compliance as it

was not mandated when EC was issued in 2002 i.e before 2006 when EIA notification was issued by MoEF & CC, GoI.

As per the records the proponent has stated that he has obtained EC for expansion proposal increasing the crushing capacity from 4750TCD to 7500TCD and Co-Gen from 24MW to 54MW and regarding this he has stated that this expansion has not been completed and operationalised and hence he claimed that he is not filing any half yearly EC compliance.

The proponent has stated that he has applied for EC to MoEF & CC, New Delhi because at that point of time molasses based distilleries were not in the ambit of B1 category and they were under A category. And based on this EAC have issued TORs and studies and Public Hearing have been taken up based on these TORs. By the time the report was readied a policy decision was taken categorizing molasses based distilleries less than 100KLPD under B1 category. In view of this changed policy the proponent has stated that he has made out this application to SEIAA for further appraisal of the EIA report prepared thereon.

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

1) Details of proper composting of press mud to be submitted.
2) Trend analysis for the basic data collected between 2017-2019 may be carried out and submitted.
3) In the process chart the Ethanol generation may be detailed and submitted.

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

239.11 Proposed Expansion of Bulk Drugs and Intermediates Manufacturing Unit Project at Plot No.122 A, B, C, KIADB Humnabad Taluk, Bidar District by **M/s R-CHEM (Somanahalli) Pvt Ltd (SEIAA 03 IND 2020)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Ranga Rao Site Head, Mangalore Sez. Commercial Manufacturing M/s. Syngene International Ltd, Plot no. IP39, IP46, & IP60 Kalvar Village, Kalvar Post, Mangalore 574142

<table>
<tr><td>2</td><td>Name & Location of the Project</td><td>M/s. Syngene International Limited,
Expansion of API's manufacturing capacity & establishment of Biopharmaceutical products manufacturing facility within the existing industry premises at Plot no. IP-39, IP-46 & IP-60 and survey 5/7(P), nos. 58A/(P), 5/8B, 5/8C(P), 5/10(P), 6/1(P), 6/3(P), 7/1(P), 7/2, 7/3(P), 81C(P), 10/1, 10/2, 10/3, 10/4A(P), 10/5,10/6, 10/7(P), 10/8, 10/9, 10/10A(P), 10/11(P), 10/12(P), 10/13(P), 11/1(P), 11/2(P), 11/3, 11/4, 11/5, 11/6, 11/9, 11/10, 12/5(P), 12/6(P), 12/11(P), 12/12(P), 13/1, 13/2(P), 13/3, 13/4, 13/5, 13/6, 14/4(P), 14/5(P), 14/6(P), 14/7(P), 14/8, 14/9, 15/2D(P), 15/2E, 17/8(P), 17/3(P), 17/22(P), 17/23(P), 17/25(P), 98/1(P), 98/2(P), 99/1(P), 99/2(P), 100(P) and Plot No. IP-25 (Part) & IP-61 and Survey Nos. in 175/1E (Part), 157/1F2 (Part), 107/1 (Part), 107/2 (Part), 107/3 (Part), 107/4 (Part), 105/6 (Part), 106/1 (Part), 106/2 (Part), 106/6 (Part), 106/3, 106/4, 106/5, 221/1 (Part), 221/2 (Part) of MSEZ area, Mangalore.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>Project site Co-ordinates
<table>
<tr><th>Sl. No.</th><th>Co-ordinates</th><th>Sl. No.</th><th>Co-ordinates</th></tr>
<tr><td>A</td><td>12°58'53.55"N
74°51'20.63"E</td><td>H</td><td>12°58'51.80"N
74°51'38.69"E</td></tr>
<tr><td>B</td><td>12°59'2.05"N7
4°51'29.26"E</td><td>I</td><td>12°58'53.05"N
74°51'38.07"E</td></tr>
<tr><td>C</td><td>12°58'54.14"N
74°51'51.47"E</td><td>J</td><td>12°58'55.01"N
74°51'32.95"E</td></tr>
<tr><td>D</td><td>12°58'51.73"N
74°51'50.84"E</td><td>K</td><td>12°58'47.21"N
74°51'29.40"E</td></tr>
<tr><td>E</td><td>12°58'51.55"N
74°51'50.02"E</td><td>L</td><td>12°58'46.56"N
74°51'28.33"E</td></tr>
<tr><td>F</td><td>12°58'55.05"N
74°51'44.14"E</td><td>M</td><td>12°58'48.06"N
74°51'26.71"E</td></tr>
<tr><td>G</td><td>12°58'50.71"N
74°51'42.79"E</td><td>N</td><td>12°58'52.67"N
74°51'21.67"E</td></tr>
</table></td></tr>
<tr><td>4</td><td>Environmental Sensitivity</td><td></td></tr>
</table>

	a.	Distance from Nearest Lake/ River/ Nala	• Gurpur river is at 3.5 km in South direction • Arabian sea is at 6.5 km in South direction • KulaiBaggundi Lake is at 4.2 km in South west direction • PilikulaNisargaDhama Lake is at 6.5 km in south east direction • Kavoor Lake is at 6.6 km in South west direction
	b.	Distance from Protected area notified under wildlife protection act	• The PilikulaNisargaDhamaBological Park is located in 7.2 km from the project site. This park is developed by local government. • There is no reserve forest or protected area within 10 Km radius from the project site.
	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		Sl. No. 5(f) of EIA notification 2006. Synthetic organic chemicals industry - **bulk drugs and intermediates.**
6	New/ Expansion/ Modification/ Product mix change		Expansion
7	Plot Area (Sqm)		187855.075
8	Built Up area (Sqm)		109,629.4
9	Component of developments		Facility for manufacture of API and biopharmaceutical products
10	Project cost (Rs. In crores)		Rs. 1150 Crores
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	187855.075
	b.	Kharab Land	-
	c.	Internal Roads	Shown in layout plan
	d.	Paved area	-
	e.	Parking	Shown in layout plan
	f.	Green belt	24324.85

	g.	Others Specify	-	
	h.	Total	187855.075	
12	Products and By- Products with quantity (enclose as Annexure if necessary)		Detailed in Annexure- I of PFR	
13	Raw material with quantity and their source (enclose as Annexure if necessary)		Raw materials with quantity and their source is detailed in PFR	
14	Mode of transportation of Raw material and storage facility		Most of the raw materials will be received by road ways only. Dedicated storage facility will be provided for raw materials.	
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		Detailed in PFR	
18	Details of Plant and Machinery with capacity/ Technology used		Detailed in PFR, chapter 5, section 5.1	
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	MSEZL supply	
	b.	Quantity of water for Construction in KLD	80	
	c.	Quantity of water for Domestic Purpose in KLD	15	
	d.	Waste water generation in KLD	5	
	e.	Treatment facility proposed and scheme of disposal of treated water	Existing onsite ETP	
	II	Operational Phase		
	a.	Source of water	KIADB supply/ Borewell water	
	b.	Total Requirement of Water in KLD	Fresh	-
			Recycled	-
			Total	1631

	c.	Requirement of water for industrial purpose / production in KLD	Fresh	-
			Recycled	Details are provided in Prefeasibility report
			Total	
	d.	Requirement of water for domestic purpose in KLD	Fresh	
			Recycled	
			Total	
	e.	Waste water generation in KLD	Industrial effluent	
			Domestic sewage	
			Total	
	f.	ETP/ STP capacity		
	g.	Technology employed for Treatment	Detailed in PFR (Zero Liquid Discharge)	
	h.	Scheme of disposal of excess treated water if any	-	
21	Infrastructure for Rain water harvesting		-	
22	Storm water management plan		-	
23	Air Pollution		-	
	a.	Sources of Air pollution& Control measures	Process reactors Wet scrubber • API - 4 Scrubbers • Non-API - 4 Scrubbers Are provided to treat process emissions from APIs & Non-APIs products. This will be adequate to treat the proposed additional APIs (6 Nos.) products. Scrubber: There will be negligible quantity process emissions from biopharmaceutical products as there is no use of solvents. However, 04 scrubber will be provided to control emission from manufacturing process. 1. Acid scrubber 2. Alkaline scrubber 3. Media scrubber 4. Acid / alkali scrubber Utility section Boilers - 10 TPH & 10 TPH (standby) 30 m stack height is provided and additional 2 TPH boiler for biopharmaceutical products is required.	

<table>
<tr><td></td><td></td><td></td><td>Boiler – 5 TPH for ETP operation is provided

DG sets of 3000 KVA x 2 Nos. are installed and additional 2000 KVA DG set proposed as power backup. 33 m height will be provided as per KSPCB norms.

DG set of 500 KVA for ETP operation</td></tr>
<tr><td></td><td>b.</td><td>Composition of Emissions</td><td>SO_2, NOx</td></tr>
<tr><td>24</td><td colspan="3">Noise Pollution</td></tr>
<tr><td></td><td>a.</td><td>Sources of Noise pollution</td><td>Diesel generators and pumps are provided with noise and vibration control and acoustic measures as per guidelines.</td></tr>
<tr><td></td><td>b.</td><td>Expected levels of Noise pollution in dB</td><td>Within the limits KSPCB prescribed for industrial area.</td></tr>
<tr><td></td><td>c.</td><td>Noise pollution control measures proposed</td><td>D.G. setsare used only during the emergency of power failure to run essential services. Acoustic enclosures are provided to DG sets.</td></tr>
<tr><td>25</td><td colspan="3">WASTE MANAGEMENT</td></tr>
<tr><td></td><td>I.</td><td colspan="2">Operational Phase</td></tr>
<tr><td></td><td>a.</td><td>Quantity of Solid waste generated per day and their disposal</td><td>Biodegradable
Non- Biodegradable
Solid Waste:
Office waste like paper etc. is expected.
Plastic drums and bags will be sold to KSPCB authorized recycler.</td></tr>
<tr><td></td><td>b.</td><td>Quantity of Hazardous Waste generation with source and mode of Disposal as per norms</td><td>Mode of disposal of hazardous waste will be detailed in PFR.
<table>
<tr><th>Sl. No.</th><th>Hazardous waste</th><th>Quantity Existing</th><th>After expansion Quantity</th></tr>
<tr><td>1.</td><td>Used Oil</td><td>1200 L/A</td><td>1800 L/A</td></tr>
<tr><td>2.</td><td>Process residue</td><td>2.45 TPD</td><td>7.577 TPD</td></tr>
<tr><td>3.</td><td>Spent catalyst</td><td>0.094 TPD</td><td>0.434 TPD</td></tr>
</table></td></tr>
</table>

			4.	MEE Salts	7 TPD	11 TPD
			5.	Spent/Distilled solvent	143.25 TPD	186.21 TPD
			6.	ETP sludge	15 TPA	18 TPA
			7.	Detoxified container	40000 Nos	60000 Nos.
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	-			
26	Risk Assessment and disaster management		Risk assessment will be carried out during EIA studies			
27	POWER					
	a.	Total Power Requirement in the Operational Phase with source	6000 KVA for manufacturing facility &400 KW for ETP area 1500 KVA additional power requirement for operation of new facility. Sourced from MSEZ.			
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	DG sets of 3000 KVA x 2 Nos. are installed and additional 2000 KVA DG set proposed as power backup.33 m height will be provided as per KSPCB norms. DG set of 500 KVA for ETP operation			
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Details are provided in PFR.			
	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	Provided as per standard			
	b.	Internal Road width (RoW)	Detailed 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 239th meeting held on 11-02-2020 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 appraised the proposal as B1 and had decided to recommend the proposal to SEIAA to issue the standard TORs to conduct EIA studies in accordance with the EIA Notification, 2006 and relevant guidelines. The committee also prescribe the following additional TORs.

1. Present the compliance to earlier conditions given by KSPCB- CFO /EC.
2. Establish with layout plan the adoption of GMP for manufacturing your products supported by P & ID.
3. 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.
4. 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.
5. Provide the solvents storage plan with quantity as per standard norms highlighting any special precautions adopted for storage.
6. Evaluate and present the quantity and quality of solid and gaseous waste generated and their scheme of disposal.
7. Evaluate and present the existing and proposed water balance based on expansion.
8. For the worst case scenario, evaluate and present the quantity and characteristics of effluent discharged and their scheme of disposal through ETP
9. Describe the measures proposed for in-house recovery of solvents mentioning the efficiency of recovery.
10. 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.
11. Present the scheme proposed for separation of high TDS effluent and its treatment & disposal through MEE used, justifying the stages and design parameters.

12. Present the scheme proposed to isolate the lithium (if used) and other salts from MEE and explore the possibility of their disposal advantageously.
13. Evaluate the hydrogenation process (if adopted) and give a detailed description of the safety measures and precautions taken.
14. 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.
15. Handling of Arsenic and Cyanide compounds may be detailed and submitted.
16. For Boiler fuel Explore the possibility of going for CNG /Solar power/Briqquettes instead of furnace oil.
17. Explore the alternatives to toluene.

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

239.12 Environmental Clearance for the proposed Mixed Use Development Project at Sy.Nos.48, 50, 51, 52, 53, 54/1A, 54/2, 54/3, 54/4, 56/1, 56/2, 57/1A, 57/1B, 57/2, 58, 59, 61/2, 62, 63, 64, 65/1, 65/2, 66/1 and 66/2 of Kithiganahalli Village, Attibele Hobli, Anekal Taluk and Sy.Nos.73/P2, 74/1, 75/1, 84/2, 84/3, 85/1, 85/2, 85/3, 85/4, 86, 87/2, 88, 89/2, 94/1, 94/2, 94/3, 94/4, 94/6, 96, 97, 98, 100 of Banahalli Village, Attibele Hobli, Anekal Taluk, Bangalore Urban District by **M/s. Brigade Enterprises Limited (SEIAA 6 CON 2020)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Brigade Enterprises Limited, 29thand 30TH Floor, World Trade Centre, Brigade Gateway Campus, 26/1, Dr. Rajkumar Road, Malleswaram - Rajajinagar, Bengaluru - 560 055.
2	Name & Location of the Project	Brigade Mixed Use Development atSy. No. 48, 50, 51, 52, 53, 54/1A, 54/2, 54/3, 54/4, 56/1, 56/2, 57/1A, 57/1B, 57/2, 58, 59, 61/2, 62, 63, 64, 65/1, 65/2, 66/1 and 66/2 of Kithiganahalli Village, Attibele Hobli, Anekal Taluk and Sy. No. 73/P2, 74/1, 75/1, 84/2, 84/3, 85/1, 85/2, 85/3, 85/4, 86, 87/2, 88, 89/2, 94/1, 94/2, 94/3, 94/4, 94/6, 96, 97, 98, 100 of Banahalli Village, Attibele Hobli, Anekal Taluk

3		Co-ordinates of the Project Site	Latitude: 12°48'16.83"N; Longitude: 77°41'59.71"E
4		Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Chandapura lake is at a distance of 150 meters from boundary of project site in North Direction. Project is abutting a nala on north west to south west direction, a Nala is passing through the proposed project from north east to south east direction and another nala passing through the property in south direction. Developments are proposed considering adequate buffer from all the nalas as per Anekal Planning Authority Master Plan 2031.
	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.	Buffer Zones as perAnekal Planning Authority Master Plan 2031.
5		Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential, Retail with Food Court, Cinema (1000 seats), Club, Sports Centre, and Commercial Offices
	b.	Residential Township/ Area Development Projects	--
6		Plot Area (Sqm)	1,18,852.93 Sq.m (29A 14.79G)
7		Built Up area (Sqm)	4,73,753.73Sq.m
8		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Cluster 1 - 2 Basements + Ground Floor + 35 Upper Floors (1BHK + Commercial including Retail, Cinema, Food Court, Office and Studio apartments) Cluster 2 - 2 Basements + Ground Floor + 35 Upper Floors (+ MLCP 2B + G + 8UF) Cluster 3 - 2 Basements + Ground Floor + 35 Upper Floors (+ MLCP 2B + G + 8UF) Club House and Sports Centre - 2 Basements + Ground Floor + 4 Upper Floors

		Cluster 4 - Residential Tower - 2 Basements + Ground Floor + 35 Upper Floors (+ MLCP 2B + G + 8UF) Cluster 5 - Ground Floor + 2 Upper Floors (Community / Art Centre)
9	Number of units in case of Construction Projects	3500 (640 - 1BHK, 1220 – 2BHK, 1120 - 3BHK, 320 – 4BHK and 200 – Serviced Apartments)
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	422 Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	23,342.26 Sq.m
b.	Kharab Land	Kharab Land area is not including the Land area or Project site
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	38,750Sq.m
d.	Internal Roads	56,760.67 Sq.m
e.	Paved area	
f.	Others Specify	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	10% of the project site (Including in Green Belt Area)
h.	Total	1,18,852.93 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	Expected volume of debris generation is 18,950 Cum. C & D wastes shall be segregated and disposed to authorized recyclers and soil & mortar shall be used as filling material for road and paving area formation.
b.	Total quantity of Excavated earth (in cubic meter)	94,502cum
c.	Quantity of Excavated earth	94,502cum

		proposed to be used in the Project site (in cubic meter)		
	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	Not Applicable	
15		WATER		
	I.	Construction Phase		
	a.	Source of water	Treated water from Labour Colony temporary STP	
	b.	Quantity of water for Construction in KLD	10KLD	
	c.	Quantity of water for Domestic Purpose in KLD	15KLD	
	d.	Wastewater generation in KLD	12KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Temporary STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	1,782KLD
			Recycled	928KLD
			Total	2,710KLD
	b.	Source of water	Borewell, Rooftop Rainwater & Treated Water	
	c.	Waste water generation in KLD	2,440KLD	
	d.	STP capacity	Total = 2,600KLD (325KLD x 5Nos., + 400KLD x 1No. + 425KLD x 1No. + 150KLD x 1No.)	
	e.	Technology employed for Treatment	Sequencing Batch Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	Treated water will be used for toilet flushing, landscaping &Air-conditioning.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	20liters per Sq.m of roof area	
	b.	No's of Ground water recharge pits	10 liters per Sq.m of non-roof area	
17		Storm Water Management plan	Storm water drains along with recharge pits are proposed without altering the topography of the project site	

18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	50kg/day of solid waste shall be disposed through BBMP waste management contractors
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	5,865kg/day Organic Waste Converter
	b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	4,628kg/day Local Authorized Recyclers
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	2000 kg/annum Authorized Agencies
	d.	Quantity of E waste generation and mode of Disposal as per norms	300 kg/annum Authorized Agencies
19		POWER	
	a.	Total Power Requirement - Operational Phase	20MVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500KVA x 21Nos.
	c.	Details of Fuel used for DG Set	Dual Fuel Mode; Low Sulphur High Speed Diesel (HSD) with Sulphur content less than 50ppm & Compressed Natural Gas (CNG)
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	a. Timer based External Lights b. Solar lighting (Street and Landscape) c. BEE Star rated electromechanical systems shall be used in the development d. Solar Water Heating systems for top 2 floor dwelling units e. Use of Copper wound transformer f. Use of HF ballast for lighting g. Use of LED light fittings h. Building Orientation; Cross Ventilation;
20		PARKING	
	a.	Parking Requirement as per norms	4,170 Nos.

	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	--
	c.	Internal Road width (RoW)	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 239th meeting held on 11-02-2020 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 appraised the proposal as B1 and had decided to recommend the proposal to SEIAA to issue the standard TORs to conduct EIA studies in accordance with the EIA Notification, 2006 and relevant guidelines. The committee also prescribe 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 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 utilize 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 utilizing 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 applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
11) Sampling locations shall be as per standard norms.

12) Distance certificate from Wildlife authorities indicating the distance of the project site from the boundary of the BNP may be obtained and submitted.

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

Deferred projects:

239.13 Proposed Multi Storey Residential Flats at Sy.No.11 of Dhoddanagamangala, Beguru Hobli, Bangalore South Taluk, Bangalore District **by RAJIV GANDHI HOUSING CORPORATION LTD. (SEIAA 01 CON 2020)**

The proponent was invited for the 238th meeting held on 21-01-2020 to provide required clarification. The proponent remained absent.

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.

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Rajiv Gandhi Housing Corporation Ltd., Sy No. 11, Doddanagamangala Village, Begur Hobli, Bangalore South Taluk, Bangalore-560068
2	Name & Location of the Project	Development of Multi Storey Residential Flats under "1 Lakh Multi Storey Bengaluru Housing Programme" Sy No. 11, Doddanagamangala Village, Begur Hobli, Bangalore South Taluk, Bangalore-560068
3	Co-ordinates of the Project Site	Latitude : 12° 51'04.98"N Longitude : 77°40'56.79"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Gulimangala Lake at 580 m (NE) Kammasandra Lake at 2.5 km (S) Rayasandra Lake at 1.8 km (NW) Hebbagodi Lake at 2.0 Km (SW)
b.	Type of water body at the vicinity of the project site and Details of Buffer	Not applicable

	provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital / other	Development of Multi StoreyResidential flat
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	25,926.51sqm
7	Built Up area (Sqmt)	64,853.27sqm
8	Building Configuration [Number of Blocks/Towers/Wingsetc.,with Numbers of Basements and Upper Floors]	Building configuration includes 3 Blocks, Block A B & C with SF+13UF
9	Number of units in case of Construction Projects	1287 units
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	87Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	4,678.13sqm
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	4,274sqm
d.	Paved area & driveways	2,915 sqm
e.	Internal Roads	--
f.	Others Specify-	Roadways - 5,776.84 sqm Commercial area – 403 sqm Civic Amenities area - 1,062 sqm
g.	Parks and Open space in case of Residential Township/ Area Development Projects	Not Applicable
h.	Total	21,224.06 Sqmt
14	Details of demolition debris and / or Excavated earth	
a.	Details of Debris (in cubic meter/MT) if it involves Demolition	Not Applicable since it is new project

	of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable		
b.	Total quantity of Excavated earth (in cubic meter)		21,224.05 Cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)		21,224.05Cum 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 & Tanker water for domestic
b.	Quantity of water for Construction in KLD		50 KLD
c.	Quantity of water for Domestic Purpose in KLD		5 KLD
d.	Waste water generation in KLD		4KLD
e.	Treatment facility proposed and scheme of disposal of treated water		Will be treated in mobile toilets.
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	480KLD
		Recycled	240KLD
		Total	720KLD
b.	Source of water	Gram Panchyat	
c.	Waste water generation in KLD	648KLD	
d.	STP capacity	700 KLD	
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
f.	Scheme of disposal of excess treated water if any	Excess treated water will be disposed to sewer line UGD/agricultural purpose of surrounding area	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	4×75 cum	
b.	No's of Ground water recharge	85no's	

	pits	
17	Storm water management plan	• Land is gently sloping terrain and sloping towards Eastdirection. • Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads. • Rainwater collection tank of capacity 4×75 cumis proposed which will be provided to collect the roof run off, which will be reused after prior treatment. • 85 number of recharge pits 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 – 20kg/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 -960Kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 32kg/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 -1440Kg/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	BESCOM – 5150kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 200 KVA, 1 X 160 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	Energy conservation devices such as Solar energy, LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 8%.
20	PARKING	
a.	Parking Requirement as per norms	Required =277no's, Provided = 277no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	--
c.	Internal Road width (RoW)	Approach road width - 12 m Internal road width is-8m

The proposal was placed before the committee for appraisal.

The Proponent and Environment Consultant attended the 239th meeting held on 11-02-2020 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 proponent has stated that the project site is at distance of 9.65km from the boundary of the BNP and he has agreed to wait for the final notification of the BNP eco-sensitive zone.

In view of the above committee after discussion and deliberation decided to defer the subject.

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

239.14 Proposed Multi Storey Residential Flats at Sy.No.04 of Heggondanahalli Village, Sarjapura Hobli, Anekal Taluk, Bangalore District **by RAJIV GANDHI HOUSING CORPORATION LTD. (SEIAA 02 CON 2020)**

The proponent was invited for the 238th meeting held on 21-01-2020 to provide required clarification. The proponent remained absent.

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.

Sl. No	PARTICULARS	INFORMATION

1	Name & Address of the Project Proponent	M/s. Rajiv Gandhi Housing Corporation Ltd., Sy No. 04, Heggodanahalli Village, Sarjapura Hobli, Anekal Talulk, Bengaluru.
2	Name & Location of the Project	Development of Multi Storey Residential Flats under "1 Lakh Multi Storey Bengaluru Housing Programme" Sy No. 04, Heggodanahalli Village, Sarjapura Hobli, Anekal Talulk, Bengaluru.
3	Co-ordinates of the Project Site	Latitude : 12°54'15.06"N Longitude: 77°44'57.14"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Gunjur Lake at 1.5 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.	Not applicable
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Multi Storey residential flats under "1 Lakh Multi Storey Bengaluru Housing Programme"
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	12655.09sqm
7	Built Up area (Sqmt)	29525.87 Sqm
8	Building Configuration [Number of Blocks/Towers/Wingsetc.,with Numbers of Basements and Upper Floors]	Block A: S+9UF(110 units) Block B: S+11 UF(449 units)
9	Number of units in case of Construction Projects	559units
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	47Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	

a.	Ground Coverage Area	2607.85 Sqm (21.45%)
b.	Kharab Land	497.66
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1238.71sqm
d.	Paved area & driveways	4458.72 sqm
e.	Internal Roads	--
f.	Others Specify-	--
g.	Parks and Open space in case of Residential Township/ Area Development Projects	1859.56 Sqm
h.	Total	12,655.09Sqmt
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)	2607.8Cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	2607.8 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 & Tanker water for domestic
b.	Quantity of water for Construction in KLD	50 KLD
c.	Quantity of water for Domestic Purpose in KLD	5 KLD
d.	Waste water generation in KLD	55KLD
e.	Treatment facility proposed and scheme of disposal of treated water	will be treated in mobile toilets

II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	213KLD
		Recycled	107KLD
		Total	320KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	290KLD	
d.	STP capacity	310 KLD	
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
f.	Scheme of disposal of excess treated water if any	There is no excess treated wastewater from the proposed project.	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	1×150 cum	
b.	No's of Ground water recharge pits	35no's	
17	Storm water management plan	• Land is gently sloping terrain and sloping towards Southdirection. • Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads. • Rainwater collection tank of capacity 1×150cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment. • 35 number of recharge pits 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 – 10kg/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 –634Kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 14kg/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 –422Kg/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	BESCOM – 1400kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1X160 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	Energy conservation devices such as Solar energy, LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 20.7%
20	PARKING	
a.	Parking Requirement as per norms	Required =130no's, Provided = 130no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	--
c.	Internal Road width (RoW)	Approach road width – 12.08 m Internal road width is–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 239th meeting held on 11-02-2020 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 seen from the village survey map there are bunch of tertiary nala for which the proponent has stated that these are not actual nalas, whereas they are rain cut furrows. And he also stated that as per revenue records i.e. RTC no kharab land finds mentioned in it and he has also stated that he will get the ADLR sketch to this effect before commencement of work.

This is a project which comes under PMAY and Chief Minister one lakh Bangalore housing scheme under affordable housing scheme. This being the special scheme the proponent has stated that he is likely to get following relaxations for which UDD in principle has agreed.

1. Approach road width a) For G+3 Model from 9meter to 7meter b) S+14 Model From 12 Meter to 9 meter
2. FAR - Up to 3 as against 1.75 to 2.25
3. Corridor width – From 2meter to 1.8meter
4. Parking- a)1 car parking for every six houses of 1 BHK b) 1 car parking for every two houses of 2 BHK
5. To convert the stilt floor to accommodate Physically handicapped persons to an extent of 2% of the total number of units.
6. Set backs a) For G+3 construction - 3meters against 5meters b) For towers which are more than G+3 upper floors-5Meters against 50% of the total height of the towers.

As per the records the greenery area is about 10.19% of the total area and the proponent has stated that he will plant 150 plants species as mandated. The proponent has also stated that he will built separate rain water storage tanks of capacity 110cum for storing the rainwater generated from hard paved area in addition to 150cum water storing capacity already proposed for storing water from the terrace. The proponent has also stated that he will allocate terrace area for the individual occupants who come forward to install solar water heaters. The proponent has also stated that he will go for dual plumbing to utilize maximum quantity of sewage generated and reduce fresh water demand.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the above and 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) Only registered labours should be employed.
4) 20% eco friendly materials to be used for construction.
5) Sub metering for water consumption to be installed.

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

239.15 Proposed Ayurvedic, Homeopathic, Pharma College and Hospital Project at Sy.No.31/2P, 31/4, 31/5B(P4), 31/5A, 31/5B(P1), 31/5B(P3), 32/1P2, 31/5B(P2), 32/4, 32/6, 30/5A, 30/5B, 29/3AP2, 29/3B, 29/4, 29/5P1, 29/5A, 29/5P, 29/8BP2, 29/6B, 29/6A, 29/2BP, 28/3P4, 31/2P2, 91/2B, 134/1P2, 134/1P1, 134/2, 134/3A, 134/3B, 134/3C, 133/2, 132/9, 132/5, 135/5, 135/3, 135/7, 135/4, 135/6, 136/2, 136/3, 136/4, 138/2, 138/4, 145/13, 145, 4/145(24)(30), 145/18, 145/19, 145/8, 148/3, 148/5A, 148/5B, 148/6 of Naringana Village, Buntwal Taluk, Dakshina Kannada District by **M/s. Yenepoya university (SEIAA 155 CON 2019)**

The proponent was invited for the 236th meeting held on 17-12-2019 to provide required clarification. The proponent remained absent.

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.

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Dr.GangadharaSomayaji. K.S Registrar Yenepoya (Deemed to be university) Deralakatte, Mangalore, Karnataka – 575002
2	Name & Location of the Project	Proposed Building for Ayurvedic, Homeopathic, Pharma College and Hospital at Sy. No. 31/5A, 32/5A, 31/5B(P1), 31/5B(P2), 31/5B(P3), 31/5B(P4), 31/4, 32/5, 32/1, 32/6, 30/5B, 30/5A, 29/3B, 29/3A, 29/4, 29/5, 29/2B, 29/6A, 29/6B, 28/3, 29/5P1, 29/8BP2, 29/5A & 31/2 of Naringana Village, Buntwal Taluk, Dakshina Kannada, Karnataka
3	Co-ordinates of the Project Site	Longitude: 74°53'44.67"E Latitude: 12°46'7.57"N
4	Environmental Sensitivity	

<table>
<tr><td></td><td>a.</td><td>Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)</td><td>Arabian Sea – 4.48 Kms(W)
Nethravathi River – 6.92 kms(NW)

Stream is at 0.460 km north from the site boundary.</td></tr>
<tr><td></td><td>b.</td><td>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.</td><td>There is no lake within 75 meter from the site boundary.</td></tr>
<tr><td>5</td><td></td><td>Type of Development</td><td></td></tr>
<tr><td></td><td>a.</td><td>Residential group housing/ Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other</td><td>Proposed Building for Ayurvedic, Homeopathic, Pharma College and Hospital of Yenepoya University</td></tr>
<tr><td></td><td>b.</td><td>Residential Township/ Area Development Projects</td><td>No</td></tr>
<tr><td>6</td><td></td><td>Plot Area (Sqm)</td><td>The total site area is 95,586.74 sq.m.</td></tr>
<tr><td>7</td><td></td><td>Built Up area (Sqm)</td><td>The total BUA 1,41,858.96 sq.m</td></tr>
<tr><td>8</td><td></td><td>Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]</td><td>
<table>
<tr><td colspan="3">YENEPOYA AYURVEDIC AND HOMEOPATHIC COLLEGE & HOSPITAL</td></tr>
<tr><td>Sl No</td><td>Location</td><td>Builtup Area -Sqm</td></tr>
<tr><td>1</td><td>AYURVEDIC COLLEGE(L+U+4UF)</td><td>8075.43</td></tr>
<tr><td>2</td><td>AYURVEDIC HOSPITAL (L+U+4UF)</td><td>4,348.31</td></tr>
<tr><td></td><td>Sub Total</td><td>12,423.74</td></tr>
<tr><td>3</td><td>HOMEO COLLEGE (L+U+4UF)</td><td>5643.03</td></tr>
<tr><td>4</td><td>HOMEO HOSPITAL(L+U+4UF)</td><td>1410.75</td></tr>
<tr><td></td><td>Sub Total</td><td>7,053.78</td></tr>
<tr><td>5</td><td>PHARMACY COLLEGE (G+10UF)</td><td>8686.36</td></tr>
<tr><td></td><td>Common Section</td><td></td></tr>
<tr><td>6</td><td>AUDITORIUM(G+3Upper Floors)</td><td>1386.66</td></tr>
<tr><td>7</td><td>BOYS ANNEXE BLOCK (G+10 Floor)</td><td>8686.36</td></tr>
</table>
</td></tr>
</table>

		8	GIRLS ANNEXE BLOCK(G+10 Floor)	8686.36
		9	INDOOR STADIUM(G+3UF)	1386.66
		10	CANTEEN (G+3)	750
			Sub Total	20896.04
		11	GIRLS HOSTEL(G+10Upper Floor)	8686.36
		12	DINING 1 (G floor)	481.5
		13	KITCHEN(G+5 Upper Floor)	6500
		14	LIBRARY (G Floor)	481.5
		15	BOYS HOSTEL(G+10 Upper Floors)	8686.36
		16	PLAY GROUND	6924
			Sub Total	31759.72
		17	FUTURE EXPANSION 1 (G+10 UF)	8686.36
		18	STAFF QTRS(G+2 Upper Floors)12 unit	750
		19	STAFF QTRS(G+2 Upper Floors) 12 unit	750
		20	GUEST HOUSE (G+6 Upper Floors) 20 unit	6000
		21	GUEST HOUSE (G+6 Upper Floors) 20 unit	6000
			Sub Total	22186.36
			SERVICES SECTION	
		23	Garbage	225
		24	Manifold	225
		25	Substation	350
		26	STP	225
		27	Rest Room	27
			Sub Total	1052
			OTHER SECTION	
		28	FUTURE EXPANSION 2	16,187.40
		29	FUTURE EXPANSION 3	16,187.40
		30	FUTURE EXPANSION 4	1926.16
		31	FUTURE EXPANSION 5	3500
			Sub Total	37,800.96
		Total BUA		1,41,858.96
9	Number of units in case of Construction Projects	Hostel section with 1500 units and Educational building, Hospital.		
10	Number of Plots in case	-		

	of Residential Township/ Area Development Projects	
11	Project Cost (Rs. In Crores)	300Crores
12	Recreational Area in case of Residential Projects / Townships	NONE
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	71,841.81 sq.m (75.16%)
b.	Kharab Land	Nil
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	20,355.18 sq.m (21.29%)
d.	Internal Roads	3,389.75sq.m (3.55%)
e.	Paved area	-
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	95,586.74sq.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	No demolition is involved.
b.	Total quantity of Excavated earth (in cubic meter)	83,362.50 cu.m.
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	83,362.50 cu.m.

	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	No disposal	
15		WATER		
	I.	Construction Phase		
	a.	Source of water	From Nearby treated water suppliers	
	b.	Quantity of water for Construction in KLD	50 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	10 KLD	
	d.	Waste water generation in KLD	8 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated during the construction phase will be treated in the Mobile STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	134.92
			Recycled	199.9+114.07
			Total	448.89
	b.	Source of water	Gram Panchayath	
	c.	Waste water generation in KLD	426.45 KLD	
	d.	STP capacity	2 STP's 1 of 285KLD and another with 200 KLD	
	e.	Technology employed for Treatment	SBR Technology	
	f.	Scheme of disposal of excess treated water if any	No Disposal. The treated water will be reused for toilet flushing, landscaping in the project site, avenue plantation and Reuse after treating with ultrafiltration and reverse osmosis	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	3875 cu.m.	
	b.	No's of Ground water recharge pits	183 Nos.	

17	Storm water management plan	The storm water from the site will be collected by rainwater harvesting system and will be used for recharging the ground water
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	Per capita of waste generated = 10kg/day Separate collection bins will be used for organic and inorganic waste. Organic waste will be converted in organic convertor. Inorganic solid waste will be handed over to authorized recyclers.
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1025.4kg/day. Biodegradable waste will be converted in organic convertor.
b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	893.95kg/day. Non- Biodegradable waste will be handed over to authorized recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Nil
d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	E-waste generation will be very less
19	POWER	
a.	Total Power Requirement - Operational Phase	6000 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	6 X 1000 kVA
c.	Details of Fuel used for DG Set	HSD
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar	• Energy saved by using Solar water Heater : 150,000kWH/ Year.....(a) • Solar Power Generation : • In non-monsoon season 200kWH x 30 x 8 Months =

		energy as per ECBC 2007	48,000 kWH • In monsoon season 100kWH x 30 x 4 Months = 12,000 Kwh • Total SPV Power Generation in a year = 0.60 L kWH / Annum.....(b) • Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 1.5+0.6 L KWH = 2.1 L / Annum .....(c) • Total energy savings = 11.98%
20		PARKING	
	a.	Parking Requirement as per norms	Car parking Required as Per Z.R= 247Nos Car Parking provided= 2838 Nos Open parking = 2000 Nos Covered parking = 839 Nos Total Parking Provided is 2838Ecs which is as Per NBC and MoEF Norms
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Pavoor - Talapady Road-12m wide road is in front of the site which connects to Pavoor - Talapady Road towards S
	c.	Internal Road width (RoW)	6m to 9m

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 239th meeting held on 11-02-2020 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 record there is an existing building with a BUA of 19477.54 sq mtrs for which proponent has stated that he has not obtained EC for this portion, for the reason that BUA of this portion is less than threshold limit of 20000 sq mtrs. Now this proposal is to add 122381.42 sq mtrs and combined area of existing and proposed will be 141858.96 sq mtrs. Earlier the application was made out for 149325.23 sq mtrs spread over area of 186317.27sq mtrs and now this has been reduced 95586.75sq mtrs and BUA of 141858.96 sq mtrs and the details for the same has been uploaded as ADS to the PARIVESH portal.

As seen from village survey map there is a nala on the southern side of the project site for which the proponent has stated that he has left this portion of land for future expansion and hence the sufficient distance as been maintained from the nala to the proposed concept plan.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the above and 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) Only registered labours should be employed.
4) 20% eco friendly materials to be used for construction.
5) Sub metering for water consumption to be installed.

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

239.16 Proposed Ordinary sand Quarry Project at Sy.No.650/2, 649 & 646 of Afzalpur Village, Kalaburagi District in an area of 12-00 Acers **By Sri Ravindra Appasab M (SEIAA 406 MIN 2019)**

The proposal was placed before the committee for appraisal.

The proponent was invited for the 227th meeting held on 24-7-2019 to provide required clarification. The proponent remained absent without intimation.

The Committee after discussion 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 239th meeting held on 11-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

239.17 Proposed Black Granite Quarry Project at Sy.Nos.215/2, 132/2 & 131/2 of Melur Village, Chamarajanagara Taluk & District (6-00 Acres) **by Sri Mohammed Koya (SEIAA 759 MIN 2019)**

The proponent was invited for the 235th meeting held on 04-12-2019 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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 239th meeting held on 11-12-2019 to provide required clarification. The proponent remained again absent without intimation.

The committee after discussion 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.

239.18 Proposed Building Stone Quarry Project at Sy.No.59(P) of Hosahalli Village, Tumkur Taluk & District (3-00 Acres) by **Sri Ashok Kumar H.S. (SEIAA 805 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Ashok Kumar H. S. S/o. Sri. Siddalingayya, Hosahalli Village, Obalapura Post, Tumkur Taluk & District, Karnataka.
2	Name & Location of the Project	"Building Stone Quarry" over an extent of Sy No. 59 , Hosahalli Village,Tumkur Taluk , Tumkur District, Karnataka.

<table>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>GPS Readings (Map Datum: WGS-84)<table><tr><th>GPS Points</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>N13°24'06.08"</td><td>E77°08'29.02"</td></tr><tr><td>B</td><td>N13°24'02.43"</td><td>E77°08'31.14"</td></tr><tr><td>C</td><td>N13°24'01.15"</td><td>E77°08'28.50"</td></tr><tr><td>D</td><td>N13°24'04.80"</td><td>E77°08'26.06"</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone Quarry</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 Gomala 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>1.214 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</td><td>NA</td></tr>
<tr><td>11</td><td>Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016</td><td>It's a Building Stone Quarry</td></tr>
<tr><td>12</td><td>Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand</td><td>It's a fresh land</td></tr>
<tr><td>13</td><td>Annual Production Proposed (Metric Tons/ CUM) / Annum</td><td>1,40,000 TPA</td></tr>
<tr><td>14</td><td>Quantity of Topsoil/Over burden in cubic meter</td><td>4,500 Cu.m.</td></tr>
<tr><td>15</td><td>Mineral Waste Handled (Metric Tons/ CUM)</td><td>2,694 TPA</td></tr>
<tr><td>16</td><td>Project Cost (Rs. In Crores)</td><td>1.03crores</td></tr>
</table>

17	Environmental Sensitivity			
	a.	Nearest Forest	Devarayanadurga State Forest - 1.30 Kms (E) Dasarahalli State Forest – 2.35 Kms (NW)	
	b.	Nearest Human Habitation	Hosahalli - 0.17 kms (SW)	
	c.	Educational Institutes, Hospital	Tumkur 7.20 kms (SW)	
	d.	Water Bodies	Arakere Pond – 2.60 Kms (SW)	
	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	0.900	
	b.	Waste Dumping Area	--	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	0.020	
	e.	Infrastructure Area	0.010	
	f.	Road Area	0.002	
	g.	Green Belt Area/Buffer Zone	0.252	
	h.	Unexplored area	--	
	i.	Others Specify	0.050	
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	9.88KLD
			Domestic	1.125 KLD
			Other	0.82KLD
			Total	11.825 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 proponent was invited for the 236th meeting held on 18-12-2019 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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 239th meeting held on 11-12-2019 to provide required clarification.

The proponent has submitted a letter requesting to close the proposal. Hence the committee decided to recommend the proposal for closure.

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

12th February 2020

Members present in the meeting:

Shri. N. Naganna	-	Chairman
Dr. B. Chikkappaiah,IFS(R)	-	Member
Dr.N Krishnamurthy	-	Member
Dr M.I Hussain	-	Member
Shri M. Srinivasa	-	Member
Dr K.B Umesh	-	Member
Sri Vyshak V Anand	-	Member
Dr. Vinod Kumar C.S	-	Member
Shri D. Raju	-	Member
Shri Md.Saleem I Shaikh	-	Member
Dr.S.Venkatesan IFS	-	Secretary

10:15 AM to 1:30PM

EIA Projects:

239.19 Proposed Expansion of the bulk drugs & intermediates manufacturing at Plot No.135F, KIADB, Kolhar Industrial Area, Bidar Taluk & District by **M/s. Shreegen Pharma Ltd.,(SEIAA 16 IND 2019)**

Sl. No	PARTICULARS	INFORMATION

1	Name & Address of the Project Proponent		Mr.Rama Mangeshwar Reddy Bobbiti Shreegen pharma ltd, #405, Dasaiah plaza Moosapet, Kukatpally, Hyderabad Telangana State - 500 034
2	Name & Location of the Project		Plot No. 135 F, Kolhar Industrial area, Bidar Taluk & district, Karnataka
3	Co-ordinates of the Project Site		Project has the co-ordinates, Latitude 17°54'35.89"N and Longitude 77° 27'35.58"E.
4	Environmental Sensitivity		
	a.	Distance from Nearest 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 industryand category "B" project.
6	New/ Expansion/ Modification/ Product mix change		Expansion
7	Plot Area (Sqm)		7,480.31 SQM
8	Built Up area (Sqm)		2927.62 SQM
9	Component of developments		Manufacturing of synthetic aromatic chemicals activity
10	Project cost (Rs. In crores)		Existing : Rs. 20 Crores Proposed : Rs.1 Crores Total Rs.21 Crores
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	2927.62SQM
	b.	Kharab Land	-
	c.	Internal Roads	Shown in layout plan drawing
	d.	Paved area	SQM (including internal road)
	e.	Parking	Provided inside factory premises

	f.	Green belt	2500SQM
	g.	Others Specify	-
	h.	Total	7480.31SQM
12	Products and By- Products with quantity (enclose as Annexure if necessary)		Proposed products& by-productsdetails are in prefeasibility report
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 3.5
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
20	WATER		
	I.	Construction Phase	
	a.	Source of water	Water requirement is met from 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	Septic tank & soak pit
	II	Operational Phase	
	a.	Source of water	Water requirement is met from KIADB supply/ Borewell water

	b.	Total Requirement of Water in KLD	Fresh	95.4 KLD
			Recycled	-
			Total	95.4KLD
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	21.6KLD
			Recycled	-
			Total	21.6KLD
	d.	Requirement of water for domestic purpose in KLD	Fresh	6 KLD
			Recycled	-
			Total	6KLD
	e.	Waste water generation in KLD	Industrial effluent	24.56KLD+12.8
			Domestic sewage	4.8 KLD
			Total	42.16KLD
	f.	ETP/ STP capacity	Industrial effluents are segregated into High TDS & Low TDS effluents. Wastewater generating from process, washings, R&D effluents and scrubbers are considered as HTDS and Boiler blowdown, cooling tower bleed, Domestic sewage are considered as LTDS effluents. Effluents with HTDS will be treated in primary ETP, solvent stripper, MEE followed by ATFD. Effluents with LTDS and domestic sewage is treated in septic tank and soak pit. MEE capacity 25 KLD	
	g.	Technology employed for Treatment	Zero Liquid Discharge	
	h.	Scheme of disposal of excess treated water if any	Utility makeup.	
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 3.10	
	b.	Composition of Emissions	SO_2, NOx, Particulate Matters	
	c.	Air pollution control measures proposed and technology employed	Detailed in PFR chapter 3, section 3.10	

<table>
<tr><td>24</td><td colspan="2">Noise Pollution</td><td colspan="3"></td></tr>
<tr><td></td><td>a.</td><td>Sources of Noise pollution</td><td colspan="3">Detailed in PFR, chapter 3, section 3.11</td></tr>
<tr><td></td><td>b.</td><td>Expected levels of Noise pollution in dB</td><td colspan="3">Within the limits KSPCB prescribed for industrial area.</td></tr>
<tr><td></td><td>c.</td><td>Noise pollution control measures proposed</td><td colspan="3">Detailed in PFR, chapter 3, section 3.11</td></tr>
<tr><td>25</td><td colspan="3">WASTE MANAGEMENT</td><td colspan="2"></td></tr>
<tr><td></td><td>I.</td><td colspan="3">Operational Phase</td><td colspan="2"></td></tr>
<tr><td></td><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></td><td>b.</td><td>Quantity of Hazardous Waste generation with source and mode of Disposal as per norms</td><td colspan="3">Detailed in PFR, chapter 3, section 3.9</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="3">-</td></tr>
<tr><td>26</td><td colspan="2">Risk Assessment and disaster management</td><td colspan="3">-</td></tr>
<tr><td>27</td><td colspan="3">POWER</td><td colspan="2"></td></tr>
<tr><td></td><td>a.</td><td>Total Power Requirement in the Operational Phase with source</td><td colspan="3">Source: BESCOM
Power requirement: 400KVA</td></tr>
<tr><td></td><td>b.</td><td>Numbers of DG set and capacity in KVA for Standby Power Supply</td><td colspan="3">Existing DG set is 380 KVA. DG set of 500 KVA will be provided as a power backup.</td></tr>
<tr><td></td><td>c.</td><td>Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,</td><td colspan="3"><table><tr><td>Sources</td><td>Capacity</td><td>fuel</td></tr><tr><td>DG sets</td><td>380 KVA</td><td>HSD</td></tr><tr><td>Boiler</td><td>2 TPH & 0.5TPH</td><td>coal</td></tr><tr><td>Thermic fuel heater</td><td>1,00,000Kcal/h</td><td>coal</td></tr></table></td></tr>
<tr><td></td><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="3">-</td></tr>
<tr><td>28</td><td colspan="3">PARKING</td><td colspan="2"></td></tr>
<tr><td></td><td>a.</td><td>Parking Requirement as per</td><td colspan="3">Provided as per standard</td></tr>
</table>

		norms	
	b.	Internal Road width (RoW)	Detailed 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 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. 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. Present the compliance to earlier CFO conditions.
2. Establish with layout plan the adoption of GMP for manufacturing your products supported by P & ID.
3. Sketch the location of the additional infrastructure in the plan of the existing industrial site.
4. Give the details of disposal of debris generated during expansion.
5. 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.
6. 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.
7. Provide the solvents storage plan with quantity as per standard norms highlighting any special precautions adopted for storage.
8. Evaluate and present the quantity and quality of solid and gaseous waste generated and their scheme of disposal.
9. Evaluate and present the existing and proposed water balance based on expansion.
10. For the worst case scenario, evaluate and present the quantity and characteristics of effluent discharged and their scheme of disposal through ETP

11. Describe the measures proposed for in-house recovery of solvents mentioning the efficiency of recovery.
12. 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.
13. Present the scheme proposed for separation of high TDS effluent and its treatment & disposal through MEE used, justifying the stages and design parameters.
14. Present the scheme proposed to isolate the lithium (if used) and other salts from MEE and explore the possibility of their disposal advantageously.
15. Evaluate the hydrogenation process (if adopted) and give a detailed description of the safety measures and precautions taken.
16. 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.
17. Details of existing plant species number and list of species proposed to be planted in green belt.
18. Scheme for harvesting renewable energy at the site and roof top may be detailed.
19. Details of the locals who are employed within the radius of 50 KM within Karnataka State.
20. Scheme for harvesting renewable energy at the site and roof top may be detailed.

The proponent submitted EIA report on 16.01.2020. The same was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 239th meeting held on 12-02-2020 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 proponent addressed a letter requesting the committee, due to unavoidable circumstances not in a position to attend the meeting. The committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent and deferred the subject.

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

239.20 Proposed Construction of Commercial Building DNR Arcadia at Sy.No.59/1, 60/2, 3,4,6,7,8,9,10,11,12,13,94/6 & 7 of Nagavara Village, Kasaba Hobli, Bangalore North Taluk **by M/s. DNR Corporation Pvt. Ltd(SEIAA 23 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	D N R Corporation Pvt Ltd #304,AWing, 3rd floor, Queens Corner, No.3 Queens Road, Bangalore 560 001.
2	Name & Location of the Project	D N R ARCADIA. Sy No. 59/1,60/2 to60/4,60/6 to 60/13,60/16,94/6 and 94/7,Nagvara village, Kasaba Hobli, Bangalore North Taluk, Bangalore dist.
3	Co-ordinates of the Project Site	Latitude: 13°02' 48.05" & Longitude: 77°36'46.83" @ centre of plot
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Nagavara lake which is about 200 mts from the building line, Hebbal lake which is about 750mts from building line There is Primary nala running towards the North to east portion of the site and the distance is more than 75mts

	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.	As above
5		Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	IT/ITES with food court
	b.	Residential Township/ Area Development Projects	NA
6		Plot Area (Sq.M)	50892.84sqmts
7		Built Up area (Sq.M)	257422.06
8		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	3B + Ground+16 UPPER FLOORS
9		Number of units in case of Construction Projects	N A
10		Number of Plots in case of Residential Township/ Area Development Projects	NA
11		Project Cost (Rs. In Crores)	250
12		Recreational Area in case of Residential Projects / Townships	N A
13		Details of Land Use (Sq.M)	
	a.	Ground Coverage Area	12357.62
	b.	Kharab Land	NA
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	20591
	d.	Internal Roads	4174.72

	e.	Paved area	11224.86
	f.	Others Specify	2544.64 for surface parking
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	50892.84 Sqmts
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)	229900
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	185550.7 will be used in the site And 44349.3 will be stored in the site for further use.
	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	Excavated earth will be used in the site as under Back filling 18989.74 Back filling in site to Correct the level difference 53060.92 Ramps and driveway 29335.24 Landscaping 19084.8 Garden in podium 25590 Mounds & slopes 36690.00 Soil Cement blocks 2800 Soil stacked in site for further use 44349.3
15		WATER	
	I.	Construction Phase	
	a.	Source of water	M O U will be Submitted along with EIA report
	b.	Quantity of water for Construction in KLD	About 50kl
	c.	Quantity of water for Domestic Purpose in KLD	27.5

	d.	Waste water generation in KLD	3.5 kl	
	e.	Treatment facility proposed and scheme of disposal of treated water	2 no.s of Septic tanks of 5kl each alt cleaned by mechanical means or mobile toilets with STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	577
			Recycled	452
			Total	1029
	b.	Source of water	BWSSB, N O C letter enclosed	
	c.	Waste water generation in KLD	927	
	d.	STP capacity	930	
	e.	Technology employed for Treatment	SBR with extended aeration	
	f.	Scheme of disposal of excess treated water if any	Zero discharge plan	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	2 No.s of UG Sumps of 265 cum with impervious walls will be constructed to store the pre filtered rain water runoff from the terrace	
	b.	No's of Ground water recharge pits	15No.s Recharge deep tube wells at the bottom of the peripheral drains will be constructed to recharge the ground water	
17		Storm water management plan	Peripheral drains all round the boundary with oil and grease traps , silt traps and catch basins before getting into the external storm drains	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	1.Steel bits – about 12.5 tons sold to recyclers 2.Concrete spill and debris used as road fill consolidation 3.Plywood shuttering and centring material about 6250 Kgs will be given away to Brick kilns 4. Waste mineral oils, lubricants about 250 Lts will be given to KSPCB approved Recyclers 5. Exhausted paint containers, gunny sacks, electrical items, plumbing items and allied defunct spares of construction machinery about 10 tons will be given away to KSPCB approved recyclers	

	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1.11MTs processed in the organic waste converters to generate manure
	b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	4.44 MTs disposed to the Municipal approved garbage clearing contractors
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	About 1500 Lts, Disposed to KSCPB approved recyclers
	d.	Quantity of E waste generation and mode of Disposal as per norms	332.64 Kgs will be stored and disposed to authorized recyclers from KSPCB
19		POWER	
	a.	Total Power Requirement - Operational Phase	7388KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	10No. X 2000KVA,
	c.	Details of Fuel used for DG Set	Low sulphur HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	26.7%
20		PARKING	
	a.	Parking Requirement as per norms	3614
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	"Traffic studies will be provided along with the E T A studies report and compliance to TORs issued.
	c.	Internal Road width (RoW)	8.0mts

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

The proponent was invited for the 219th meeting held on 27-3-2019 to provide required clarification.

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

The Committee after discussion decided to appraise the proposal as B1 and recommend the proposal to SEIAA for issue of standard TORs to conduct the EIA studies. 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 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 along with layout, efficiency of panels, and cost estimation. Explore and ennumurate feasibility of BIPV for glass panels in the façade.
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 modeling studies to be conducted and quantify the energy savings. Indicate the energy utilization intensity =(total KHW/year)/BUA, bench mark this value for similar commercial buildings.
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) Minimum 20% Green building materials used, to be detailed and indicated in the floor plan/elevation drawings. Total embodied energy in the building materials used for construction to be calculated and steps taken to reduce the same may be detailed out.

15) Provide baseline studies of indoor air quality at each floor level and basement of other commercial buildings developed by the proponent. Detail the measures to monitor indoor air quality during operation phase.

The proponent submitted EIA report on 21.01.2020.

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

The Proponent and Environment Consultant attended the 239th meeting held on 12-02-2020 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 and EIA report provided during the meeting.

As far as CER is concerned the proponent has stated that he will earmark Rs. 1.8crores to take up greenery work in UAS GKVK campus, Bangalore in consultation with university authorities.

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

1) Detail of Earthwork management to manage the entire earth generated within the project site may be detailed and submitted.
2) Storage capacity of rainwater harvested from terrace area and hard paved area may be worked out and submitted.
3) The commitment to go for CNG Gen sets instead of diesel gen sets may be
4) Land use and land cover analysis of study area based on high resolution satellite imagery may be prepared and submitted.

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

Fresh Projects:

239.21 Building Stone Quarry Project at Sy.No.1 of Sulebailu Village, Shivamogga Taluk & District (0-20 Acres) (Q.L.No.623) **Kumari Bhagya.R (SEIAA 855 MIN 2019)**

Sl.	PARTICULARS	INFORMATION

<table>
<tr><td>No</td><td></td><td></td></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Kumari: Bhagya. R., D/o. Late. K. S. Rajashekar,
Sulebailu Village,Uragaduru Post,
Shivamogga Taluk,Shivamogga District,
Karnataka - 577203</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>"Building Stone Quarry"
Sy. No: 1, Sulebailu Village,
Shivamogga Taluk,
Shivamogga District, Karnataka</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><th>Corner Pillar</th><th>Latitude</th><th>Longitude</th></tr><tr><td>E</td><td>N 13° 54′ 20.4″</td><td>E 75° 34′ 17.8″</td></tr><tr><td>F</td><td>N 13° 54′ 19.6″</td><td>E 75° 34′ 19.2″</td></tr><tr><td>G</td><td>N 13° 54′ 18.5″</td><td>E 75° 34′ 18.8″</td></tr><tr><td>H</td><td>N 13° 54′ 19.2″</td><td>E 75° 34′ 17.3″</td></tr><tr><td colspan="3">WGS-WGS 84</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone Quarry</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>Renewal (QL No. 623)</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Government 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>0.202 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</td><td>It's a Building Stone Quarry</td></tr>
<tr><td>11</td><td>Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016</td><td>It's a Building Stone Quarry</td></tr>
<tr><td>12</td><td>Measurements of the existing quarry pits in case of ongoing/expansion/modification</td><td>558.0 mts RL</td></tr>
</table>

	of mining proposals other than river sand			
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		8,000 Tons/annum	
14	Quantity of Topsoil/Over burden in cubic meter		Most of the area is already worked. There is topsoil to be produced in the area.	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		421 TPA	
16	Project Cost (Rs. In Crores)		0.82 crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	Gajanuru Minor Forest-6.50 Kms(SW)	
	b.	Nearest Human Habitation	Sulebailu – 0.60 Km (NW)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Shivamogga - 2.75 Km (N)	
	d.	Water Bodies	Tunga River – 0.70 Kms (W)	
	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	0-10	
	b.	Waste Dumping Area	0-01	
	c.	Mineral Storage Area	0-01	
	d.	Infrastructure Area		
	e.	Road Area	0-01	
	f.	Buffer Zone	0-07	
	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	9.3 KLD
			Domestic	0.9KLD
			Other	1.0 KLD
			Total	11.2 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 proponent was invited for the 239th meeting held on 12th January 2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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 old lease involving building stone mining in Govt land. The lease was granted earlier on 31-08-2009. The proponent has stated that the lessee has carried out mining till 2014-2015 and stopped mining since then till date and same has been reflected in audit report submitted by DMG authorities. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept. After 2014-2015 the lease has been transferred to the present proponent. And this application has been made out to obtain EC as it is mandatory now.

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 he has already mined 4900tons the committee opined that 30% of the proposed proved quantity of 17227cum or 45824tons can be mined safely and scientifically to a quarry pit depth of 6 meters within the lease period and mode of mining will be manual involving chiseling and wedging.

The proponent has claimed exemption from cluster effect for this lease in view of the fact that the lease was granted for the same prior to 09.09.2013. Hence 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 600meters connecting lease area to the 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.22 Building Stone Quarry Project at Sy.No.297(P) of Nannivala Village, Challakere Chitradurga District (6-00 Acres) (Q.L.No.CTA-551) **Sri H.N.Thippeswamy (SEIAA 856 MIN 2019)**

The proponent was invited for the 239th meeting held on 12-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

239.23 Building Stone (M-Sand) Quarry Project at Sy.No.53/2 of Khanapet Village, Ramadurga Taluk, Belagavi District (5-00 Acres) (2.02 Ha) **Sri Basavaraj Basavantappa Hireraddi (SEIAA 858 MIN 2019)**

The proponent was invited for the 239th meeting held on 12-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

239.24 Building Stone Quarry Project at Sy.No.43 of Chikkanagavalli Village, Chikkaballapura Taluk & District (0-32 Acres) by **Sri Ramappa (SEIAA 859 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. Ramappa S/o Lakshamayya,
Chikkanagavalli Village,
Chikkballapur Taluk,
Chikkballapur District,
Karnataka</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>"Building. Stone Quarry" of
Sri. Ramappa
Sy No:43, Chikkanagavalli Village,
Chikkballapur Taluk,
Chikkballapur District,
Karnataka</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><th>Corner Points</th><th>Latitude</th><th>Longitude</th></tr><tr><th colspan="3">WGS-84</th></tr><tr><td>A</td><td>N13° 36' 21.8"</td><td>E77° 45' 43.8"</td></tr><tr><td>B</td><td>N13° 36' 18.3"</td><td>E77° 45' 42.2"</td></tr><tr><td>C</td><td>N13° 36' 18.9"</td><td>E77° 45' 41.3"</td></tr><tr><td>D</td><td>N13° 36' 21.5"</td><td>E77° 45' 42.5"</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Project</td><td>Building. Stone Quarry</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>Renewal(QL No- 166)</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Government Kharab 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>0.323 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>
<tr><td>11</td><td>Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016</td><td>It's Building. Stone Quarry</td></tr>
</table>

12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		880 MSL	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		9,460TPAof Building Stone	
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		193 TPA of Building Stone	
16	Project Cost (Rs. In Crores)		1.10crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	No Forest within 5 Kms	
	b.	Nearest Human Habitation	Chikkanagavalli - 1.05 Kms (SW)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Chikkballapur - 18 Kms (SW)	
	d.	Water Bodies	Gudibanda Pond-6.75Kms (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	0-17	
	b.	Waste Dumping Area	0-02	
	c.	Top Soil yard	0-04	
	d.	Mineral Storage Area		
	e.	Infrastructure Area		
	f.	Road Area	0-02	
	g.	Green Belt Area	0-07	
	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	9.05KLD
			Domestic	2.25 KLD

			Other	2.10 KLD
			Total	13.4 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 proponent was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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 old lease involving building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept. The lease deed has been executed on 28.12.1998 for 5 years and he has carried out mining from 1998-2004 and further no mining activity has been carried out since then till date and the same has been reflected in the audit report prepared by DMG.

As seen from the quarry plan there is a level difference of 18 meters within the mining area and taking this into consideration, and also the fact that he has already mined 1,165tons the committee opined that 40% of the proposed proved quantity of 193164tons or 74294cum can be mined safely and scientifically to a quarry pit depth of 6meters for a lease period.

The proponent has claimed exemption from cluster effect for this lease in view of the fact that the lease was granted for the same prior to 09.09.2013.Hence 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 280meters connecting lease area to the all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.2.0lakh to take up rejuvenation of Peresandra kere which is at a distance of 2.4KM 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

2.15PM – 6.00PM

239.25 Building Stone Quarry Project at Sy.Nos.105/2 & 104/2 of Hulikatti Village, Belagavi Taluk, Belagavi District (2-01 Acres) **by M/s. Tarade Brothers Constructions Pvt. Ltd. (SEIAA 860 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Tarade Brothers Constructions Pvt. Ltd., H M Tarade, Mannat Building, CTS No 3836, 8th Cross, Bhagyanagar, Belagavi District, Karnataka.
2	Name & Location of the Project	"Building Stone Quarry" of M/s. Tarade Brothers Constructions Pvt. Ltd., Sy No: 105/2 & 104/2, Hulikatti Village, Belagavi Taluk, Belagavi District, Karnataka.
3	Co-ordinates of the Project Site	**WGS 84 DATUM** **Sl. No. / Latitude / Longitude** A / N 15° 47′ 47.4″ / E 74° 38′ 03.7″ B / N 15° 47′ 49.5″ / E 74° 38′ 04.9″ C / N 15° 47′ 49.6″ / E 74° 38′ 07.9″ D / N 15° 47′ 46.0″ / E 74° 38′ 06.2″ E / N 15° 47′ 47.1″ / E 74° 38′ 04.2″
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		0.819 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		"Building Stone Quarry"
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		725 mts RL
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		50,000 Tons/annum
14	Quantity of Topsoil/Over burden in cubic meter		2,681.11 Cu,m of soil produced in the area
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		2,632 TPA
16	Project Cost (Rs. In Crores)		1.01 crores
17	Environmental Sensitivity		
	a.	Nearest Forest	None within 5Kms
	b.	Nearest Human Habitation	Hulikatti Village – 0.90 Kms (S)
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Belagavi - 12.40 Kms (NW)
	d.	Water Bodies	Tigadi Dam – 6.70 Kms(NE)
	e.	Other Specify	--
18	Applicability of General Condition of the ELA Notification, 2006		
19	Details of Land Use in Acres		

	a.	Area for Mining/ Quarrying	1-13	
	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	0-25	
	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	9.3 KLD
			Domestic	0.7KLD
			Other	1.5 KLD
			Total	11.5 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 proponent was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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.

As seen from the records there is public road near by and which mandate 200mts buffer zone to carry out the mining activities. The exact distance from the mining area to the road is not been forth coming, for which the proponent has stated that he will come back with proper clarification in this regard. 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.

239.26 Building Stone (M-Sand) Quarry Project at Sy.No.188(P) of Marle Village, Chikkamagaluru Taluk, Chikkamagaluru District (10-00 Acres) **Sri K.S. Shanthegowda (SEIAA 01 MIN 2020)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	**Sri. K.S. Shanthegowda** S/o K.C. Sannegowda # 763, Kavya Nilaya, Saganipura Street, Ward No. 08, Chikkamagaluru Taluk Chikkamagaluru-577101, Karnataka		
2	Name & Location of the Project	Building Stone Quarry in 10-00 Acres of Govt. Land bearing Sy. 188(Part), Marle Village, Chikkamagaluru Taluk & District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N13°16'40.9"	E 75°53'00.2"
		B	N13°16'41.7"	E 75°53'01.7"
		C	N 13°16'37.2"	E 75°53'05.3"
		D	N 13°16'38.9"	E 75°53'10.9"
		E	N 13°16'35.2"	E 75°53'11.5"
		F	N 13°16'32.7"	E 75°53'04.7"
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	10-00 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	NA		

	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		NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		500016 (Avg.) Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter		None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		10,204 Tons/Annum
16	Project Cost (Rs. In Crores)		0.085
17	Environmental Sensitivity		
	a.	Nearest Forest	Kalasapur Reserve Forest 380m Sindigere State Forest 6.2 Km NE Kalhalli State Forest 8.9 Km SE
	b.	Nearest Human Habitation	Marle-2.80Km
	c.	Educational Institutes, Hospital	Chikkamagaluru-12.0 Km
	d.	Water Bodies	Marle Kere 1.6 Km W Magadi Kere 3.7 Km W-SW Kalasapur Kere 4.8 Km E-SE Bandahalli Kere 5.6 Km SW Ishvarahalli Kere 7.8 Km E Rajanasiriyur Kere 8.8 Km E-SE
	e.	Other Specify	
18	Applicability of General Condition of the EIA Notification, 2006		None
19	Details of Land Use in Acres		
	a.	Quarry workings	7-10
	b.	Buffer Zone 7.5m	1-35
	c.	Dump Yard	0-05
	d.	Roads	0-15
	e.	Shelter	0-05
	f.	Stack Yard	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	7.75 KLD
			Domestic	0.750 KLD
			Other	5.5 KLD
			Total	14.0 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proponent was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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 new lease involving building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept. The lease has been notified on 02.12.2019 for 20 years.

As seen from the quarry plan there is a level difference of 25meters within the mining area and taking this into consideration, and also the fact that the mining to an extent of 23000tons has been carried out earlier by local people as recorded by DMG authorities before notification of this lease. The committee opined that 90% of the proposed proved quantity of 2551100tons or 970000cum can be mined safely and scientifically to a quarry pit depth of 25meters for a lease period.

As per the extended combined sketch prepared by the DMG there are 7 other leases within the radius of 500mts from this lease area and out of which the proponent has stated 6 leases is exempted from cluster effect by virtue of the fact that the leases either granted prior to 09.09.2013 or ECs were issued prior to 15-01-2016 and the area of balance one lease being 1 acre and combined area of this area including the present lease being the 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 700meters connecting lease area to the all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.44.0lakh to take up rejuvenation of Marle kere which is at a distance of 1.6KM 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.27 Building Stone (M-Sand) Quarry Project at Sy.No.278 of Urugahalli Village, Ramanagara Taluk, Ramanagara District (2-20 Acres) **by Sri.Chennigarayappa (SEIAA 02 MIN 2020)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Chennigarayappa S/o Nanjudappa, Kallugopahalli, Bidadi Hobli, Ramanagar, Karnataka - 562109.
2	Name & Location of the Project	"Building Stone Quarry (M-Sand)" of Sri. Chennigarayappa at Sy No: 278, Urugahalli Village, Ramanagara Taluk, Ramanagara District, Karnataka

<table>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table>
<tr><th>P No</th><th>Lattitude</th><th>Longitude</th></tr>
<tr><td>A</td><td>N12° 45.129″</td><td>E77° 22.016″</td></tr>
<tr><td>B</td><td>N12° 45.052″</td><td>E77° 21.953″</td></tr>
<tr><td>C</td><td>N12° 45.074″</td><td>E77° 21.932″</td></tr>
<tr><td>D</td><td>N12° 45.149″</td><td>E77° 21.994″</td></tr>
</table></td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone(M-Sand)Quarry</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>Patta Land</td></tr>
<tr><td>7</td><td>Whether the project site fall within ESZ/ESA</td><td>Ramdevarabetta Wildlife Sanctuary Boundary – 4.90 kms W
Ramdevarabetta Wildlife Sanctuary ESZ Boundary – 5.60 kms W</td></tr>
<tr><td>8</td><td>Area in Ha</td><td>1.011Ha</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</td><td>NA</td></tr>
<tr><td>11</td><td>Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016</td><td>It's a Building Stone (M-Sand) Quarry</td></tr>
<tr><td>12</td><td>Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand</td><td>764.0 MSL Existing pit level</td></tr>
<tr><td>13</td><td>Annual Production Proposed (Metric Tons/ CUM) / Annum</td><td>1,50,000 TPA</td></tr>
<tr><td>14</td><td>Quantity of Topsoil/Over burden</td><td>2,125 Cu.m</td></tr>
</table>

	in cubic meter			
15	Mineral Waste Handled (Metric Tons/ CUM)		3,061Tons/Annum	
16	Project Cost (Rs. In Crores)		1.10crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	Handigundi State Forest – 1.68 Kms (W) Hulutar State Forest – 2.50 Kms (NW) Sri Ramadevara Betta State Forest – 4.65 Kms (SW)	
	b.	Nearest Human Habitation	Urugahalli Village - 0.95 Kms(SE)	
	c.	Educational Institutes, Hospital	Ramanagara- 7.90 Kms (SW)	
	d.	Water Bodies	Aladomaradadoddi Pond - 2.55 kms (SE)	
	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	1-20	
	b.	Waste Dumping Area	0-01	
	c.	Top Soil Storage Area	0-03	
	d.	Mineral Storage Area		
	e.	Infrastructure Area		
	f.	Road Area	0-01	
	g.	Green Belt Area/Buffer Zone	0-35	
	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	9.3KLD
			Domestic	0.6 KLD
			Other	1.5KLD
			Total	11.4KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	
24	Any other information specific		NA	

	to the project (Specify)	

The proponent was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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 new lease involving building stone mining in Patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept. and land conversion and the lease has been notified on 21.12.2019 for 20 years. The proponent has stated that the lease area is at a distance of 5.6KM from notified ESZ of Ramadevarabetta Vultures sanctuary.

As seen from the quarry plan there is a level difference of 52meters within the mining area and taking this into consideration, the committee opined that 75% of the proposed proved quantity of 216081cum or 561810tons can be mined safely and scientifically to a quarry pit depth of 15meters for a lease period.

As per the extended combined sketch prepared by the DMG there are 16 leases including this lease within the radius of 500 mts from this lease area and out of which the proponent has stated 13 leases are exempted from cluster effect by virtue of the fact that the leases either granted prior to 09.09.2013 or ECs were issued prior to 15/01/2016 and the area of balance three lease being 6 acres 21 guntas and which being the 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 520meters connecting lease area to the all weather black topped road.

As far as CER is concerned the proponent has stated that he will earmark Rs.11.0lakh to take up rejuvenation of Urujahalli kere which is at a distance of 1.4KM 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.28 Building Stone Quarry Project at Sy.No.110 of K.B. Hosahalli Village, Kolar Taluk, Kolar District (1-04 Acres) (Q.L.No.696) **by Sri K.M. Jayarama Reddy (SEIAA 03 MIN 2020)**

The proponent was invited for the 239th meeting held on 12-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

239.29 Building Stone Quarry Project at Sy.No.12/1 of Nageshanahalli Village, Koppal Taluk, Koppal District (4-00 Acres) (Q.L.No.151) **by M/s. Sree Raghavendra Crushers (SEIAA 04 MIN 2020)**

The proponent was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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.

As seen from the records this is an existing quarry being operated based on the EC issued earlier. But certified EC compliance is not been furnished for which the proponent has agreed to come back with the certified compliance. Committee after discussion and deliberation decided to defer the subject as it cannot proceed further with the appraisal.

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

239.30 Building Stone Quarry Project at Sy.No.20 of Mydala Village, Tumkur Taluk & District (10-0 Acres) (Q.L. No.609) **by Smt. Y.K. Kamala (SEIAA 05 MIN 2020)**

The proponent was invited for the 239th meeting held on 12-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

239.31 Pink Granite Quarry Project at Sy.No.28/2 of Purthageri Village, Kustagi Taluk, Koppal District (3-00 Acres) (Q.L.No.604/R-1) **by M/s. Sri Raghavendra Enterprises (SEIAA 06 MIN 2020)**

The proponent was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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.

As seen from the records this is an existing quarry being operated based on the EC issued earlier. But certified EC compliance is not been furnished for which the proponent has agreed to come back with the certified compliance. The committee after discussion and deliberation decided to defer the subject as it cannot proceed further with the appraisal.

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

239.32 Proposed Grey Granite Quarry Project at Sy.No.67/P of Attivatti Village, Koppal Taluk & District (9-00 Acres) (Q.L.No.885) **by Sri K. Athaulla (SEIAA 07 MIN 2020)**

The proponent was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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.

As seen from the records this is an existing quarry being operated based on the EC issued earlier. But certified EC compliance is not been furnished for which the proponent has agreed to come back with the certified compliance. The committee after discussion and deliberation decided to defer the subject as it cannot proceed further with the appraisal.

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

239.33 Building Stone Quarry Project at Sy.No.43 of Somashettihalli Village, Arasikere Taluk, Hassan District (3-00 Acres) (Q.L.No.463) **by Sri G.S. Hanumappa (SEIAA 08 MIN 2020)**

The proponent was invited for the 239th meeting held on 12-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

239.34 Building Stone Quarry Project at Sy.No.09 of Hanumalapura Village, Channagiri Taluk, Davanagere District (1-20 Acres) **by M/s. Hanumalapura Stone Quarry Works (SEIAA 09 MIN 2020)**

Sl. No	PARTICULARS	INFORMATION

<table>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Sri Guruvabhovi S/o. Yallabhovi
Malleshwara village, Ubrani post, Channagiri Taluk,
Davanagere District & Sri Mohammad Ismail
Honnrbagi Village, R. G. Post, Davanagere Taluk & District</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>Building Stone Quarry M/s. Hanumalapura Stone Quarry works
Extent of 1-20 Acers under part of Sy.No-09
Hanumalapura Village, Channagiri Taluk,
Davanagere District, Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>Sri Guruvabhovi (0.5 Acre)

<table>
<tr><td>Boundary Points</td><td>Latitude</td><td>Longitude</td></tr>
<tr><td>A</td><td>N 13⁰ 52′54.6″</td><td>E 75⁰ 58′39.9″</td></tr>
<tr><td>B</td><td>N 13⁰ 52′53.7″</td><td>E 75⁰ 58′39.2″</td></tr>
<tr><td>C</td><td>N 13⁰ 52′54.5″</td><td>E 75⁰ 58′37.6″</td></tr>
<tr><td>D</td><td>N 13⁰ 52′55.4″</td><td>E 75⁰ 58′38.4″</td></tr>
</table>

<table>
<tr><td>Boundary Points</td><td>Latitude</td><td>Longitude</td></tr>
<tr><td>A</td><td>N 13⁰ 52′56.1″</td><td>E 75⁰ 58′40.7″</td></tr>
<tr><td>B</td><td>N 13⁰ 52′55.3″</td><td>E 75⁰ 58′40.5″</td></tr>
<tr><td>C</td><td>N 13⁰ 52′55.4″</td><td>E 75⁰ 58′36.4″</td></tr>
<tr><td>D</td><td>N 13⁰ 52′56.3″</td><td>E 75⁰ 58′36.3″</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, Government Revenue, Gomal, Private/Patta, Other]</td><td>Government Gomala Land</td></tr>
<tr><td>7</td><td>Whether the project site fall within ESZ/ESA</td><td>No</td></tr>
</table>

<table>
<tr><td>8</td><td colspan="2">Area in Ha</td><td>0.607</td></tr>
<tr><td>9</td><td colspan="2">Actual Depth of sand in the lease area in case of River sand</td><td>NA</td></tr>
<tr><td>10</td><td colspan="2">Depth of Sand proposed to be removed</td><td>NA</td></tr>
<tr><td>11</td><td colspan="2">Annual Production Proposed (Metric Tons/ CUM) / Annum</td><td>
<table>
<tr><th>Year</th><th>Saleable Building Stone in Tonnes (1-00 Acre)</th><th>Saleable Building Stone in Tonnes (0-20 Acre)</th></tr>
<tr><td>1st</td><td>31,085</td><td>13,912</td></tr>
<tr><td>2nd</td><td>31,085</td><td>13,912</td></tr>
<tr><td>3rd</td><td>31,085</td><td>13,912</td></tr>
<tr><td>4th</td><td>31,085</td><td>13,912</td></tr>
<tr><td>5th</td><td>31,085</td><td>13,912</td></tr>
<tr><td>Total</td><td>1,55,425</td><td>69,560</td></tr>
</table>
</td></tr>
<tr><td>12</td><td colspan="2">Quantity of Topsoil/Over burden in cubic meter</td><td>--</td></tr>
<tr><td>13</td><td colspan="2">Mineral Waste Handled (Metric Tons/ CUM)/ Annum</td><td>3,170 Tonnes for 1 Acre and 1,420 Tonnes for 0-20 Acre for a period of 5 years.</td></tr>
<tr><td>14</td><td colspan="2">Project Cost (Rs)</td><td>15 lakhs.</td></tr>
<tr><td>15</td><td colspan="3">Environmental Sensitivity</td></tr>
<tr><td></td><td>a.</td><td>Nearest Forest</td><td></td></tr>
<tr><td></td><td>b.</td><td>Nearest Human Habitation</td><td>Hanumalapura1.7km from the proposed lease area.</td></tr>
<tr><td></td><td>c.</td><td>Educational Institutes, Hospital</td><td>Channagiri16.5km from the proposed lease area.</td></tr>
<tr><td></td><td>d.</td><td>Water Bodies</td><td>-</td></tr>
<tr><td></td><td>e.</td><td>Other Specify</td><td>-</td></tr>
<tr><td>16</td><td colspan="2">Applicability of</td><td>-</td></tr>
</table>

	General Condition of the EIA Notification, 2006			
17	Details of Land Use in Ha			
	Sl. No.	**Particulars**	**Area in Acres (For 0.5 Acre)**	**Area in Acres (For 1 Acre)**
	1	Quarry workings	0.3	0.65
	2	Waste Dumps	0.0	0.0
	3	Roads	0.0	0.05
	4	Mineral Storage	0.0	0.05
	5	Buffer zone	0.15	0.20
	6	Infrastructure	0.05	0.05
	Total		**0.5**	**1.00**
18	Method of Mining/ Quarrying		Method of Mining is Semi-Mechanized with Open Cast Method. The mining operation involves drilling, loading and unloading	
19	Water Requirement			
	a.	Source of water	Bore well is the source of water used in the Quarry and it is borrowed from nearby village. About 2.5 KL/day of water is proposed to be utilized for domestic purposes, sprinkling for dust suppression, Afforestation etc.	
	b.	Total Requirement of Water in KLD	Dust Suppuration	1.0
			Domestic	0.5
			Other	1.0
			Total	**2.5**
20	Storm water management plan		-	

The proponent and Environment consultant attended the 239th meeting held on 11-02-2020 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 lease involving building stone mining in Govt. land. And this proposal involves 2 separate leases for which cluster notification for these leases has been notified by DMG authorities and based on this the DMG authorities also approved quarry plan indicating separate land use, production details

and separate section plans. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.

As seen from the quarry plan there is a level difference of 14 meters in case of 1 acre lease area within the mining area and taking this into consideration, the committee opined that 40% of the proposed proved quantity of 234065tons or 90025cum can be mined safely and scientifically to a quarry pit depth of 12meters for a lease period. And whereas in case of 0-20guntas there is a level difference of 14 meters within the mining area and taking this into consideration, the committee opined that 50% of the proposed proved quantity of 85800tons or 33000cum can be mined safely and scientifically to a quarry pit depth of 6meters for a lease period.

As per the extended combined sketch prepared by DMG there are 2 leases including this lease with in 500mtr radius from this lease and the combined area of these 2 leases is 2acres 20 guntas and which being less than threshold limit of 5ha. the committee decided to categorise this project under B2 category 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 500meters connecting lease area to the 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.35 Building Stone Quarry Project at Sy.No.381(P) of Hirekoppa K.S. Village, Ramdurga Taluk, Belagavi District (4-00 Acres) **by Sri Khajesab Rajesab Dabadi (SEIAA10 MIN 2020)**

The proponent was invited for the 239th meeting held on 12-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

239.36 Building Stone Quarry Project at Sy.No.43 of Chikkanagavalli Village, Chikkaballapura Taluk & District (2-24 Acres) **by Sri T.S. Krishnappa (SEIAA 11 MIN 2020)**

<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 T S Krishnappa
Proprietor,
M/s Veera Hanuman Stone Crusher,
Sy No. 69/2, 69/3, Chikkanagavalli village,
Chikkaballapura Taluk,
Chikkaballapura District,</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>"Building Stone Quarry" of
M/s Veera Hanuman Stone Crusher
Sy No. 43, Chikkanagavalli village,
Chikkaballapura Taluk
Chikkaballapura District,
Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>
<table>
<tr><th>Corner Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>A</td><td>N 13° 36' 26.3"</td><td>E 77° 45' 54.4"</td></tr>
<tr><td>B</td><td>N 13° 36' 26.3"</td><td>E 77° 45' 55.8"</td></tr>
<tr><td>C</td><td>N 13° 36' 25.7"</td><td>E 77° 45' 57.3"</td></tr>
<tr><td>D</td><td>N 13° 36' 25.7"</td><td>E 77° 45' 58.9"</td></tr>
<tr><td>E</td><td>N 13° 36' 23.2"</td><td>E 77° 45' 59.3"</td></tr>
<tr><td>F</td><td>N 13° 36' 23.3"</td><td>E 77° 45' 57.4"</td></tr>
<tr><td>G</td><td>N 13° 36' 24.0"</td><td>E 77° 45' 55.8"</td></tr>
<tr><td>H</td><td>N 13° 36' 24.2"</td><td>E 77° 45' 54.3"</td></tr>
<tr><td colspan="3">MAP DATUM – WGS 84 DATUM</td></tr>
</table>
</td></tr>
<tr><td>4</td><td>Type of Project</td><td>Building Stone Quarry</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>Existing</td></tr>
<tr><td>6</td><td>Type of Land [Forest,</td><td>Government Land</td></tr>
</table>

	Government Revenue, Gomal, Private/Patta, Other]		
7	Whether the project site fall within ESZ/ESA		No
8	Area in Ha		1.051 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 Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		860m Existing pit level
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		3,00,000 Tonnes per Annum
14	Quantity of Topsoil/Over burden in cubic meter		3,288.14 Cu. m
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		15,789 Tonnesper annum
16	Project Cost (Rs. In Crores)		1.11crores
17	Environmental Sensitivity		
	a.	Nearest Forest	Haristala Reserved Forest - 5.60 Kms (SE)
	b.	Nearest Human Habitation	Chikkanagavalli village - 0.90 Kms(SW)
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Chikkaballapur – 20.0 Kms(S)
	d.	Water Bodies	Ramasamudra Lake S.Gundlahalli - 7.17 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	1-25
	b.	Waste Dumping Area	0-02
	c.	Top Soil yard	

	d.	Mineral Storage Area	0-03	
	e.	Infrastructure Area		
	f.	Road Area	0-02	
	g.	Green Belt Area	0-32	
	h.	Unexplored area	--	
	i.	Others Specify(Parpet walls, Settling tanks)	--	
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	10.85KLD
			Domestic	1.35 KLD
			Other	0.20 KLD
			Total	12.4 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 proponent was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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.

This proposal is for amalgamated three quarry leases. The ECs for which was issued on 17-07-2019. The proponent has stated that he has not carried out any mining activities since then till today. All the three leases have been transferred to Veera Hanuman stone crusher as per the DMG approval. Now this proposal has been made out to obtain single EC for the amalgamated quarry leases.

The proponent has also stated leases for all these three leases were granted during December 1998 prior to 9/9/2013 when EC was not mandated. Based on this proponent claimed exemption from cluster effect. According to audit report furnished by DMG, the mining activity has been carried out in these three leases from 1998 to 2014 and quantity mined is total of 10215 tons.

The committee noted that this is a lease involving building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.

As seen from the quarry plan there is a level difference of 37 meters within the mining area and taking this into consideration, and also the fact that he has already mined 10215tons, the committee opined that 25% of the proposed proved quantity of 2016166tons or 757957cum can be mined safely and scientifically to a quarry pit depth of 12meters for a lease period.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 380meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.10lakh to take up rejuvenation of Peresandra kere which is at a distance of 2.45KM 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.37 Building Stone Quarry Project at Sy.No.151/2,3 of Ghodageri Village, Hukkeri Taluk, Belagavi District (5-11 Acres) **by M/s. Lakshmi Parvathi Stone Crusher (SEIAA 12 MIN 2020)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Lakshmi Parvati Stone Crusher Shri Siddaling Mallappa Ankalagi At.Po: Ghodageri, Hukkeri Taluk, Belagavi District.
2	Name & Location of the Project	Building Stone (M-Sand) Quarry in 5-11 Acres of Patta Land bearing Sy. 151/2, 3, Ghodageri Village, Hukkeri Taluk &

		Belagavi District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 16°09'28.4"	E 74°42'23.1"
		B	N 16°09'29.1"	E 74°42'17.8"
		C	N 16°09'32.5"	E 74°42'17.1"
		D	N 16°09'32.7"	E 74°42'24.0"
4	Type of Mineral	Building Stone(M-Sand) Quarry		
5	New / Expansion / Modification / Renewal	New Quarry		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Patta Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Acres	5-11 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	1,55,804 (Avg.) Tons/ Annum		
14	Quantity of Topsoil/Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	3,180 Tons/Annum		
16	Project Cost (Rs. In Crores)	0.040		
17	Environmental Sensitivity			
	a. Nearest Forest	Reserved Forest 745m Reserved Forest 5.06Km SW		
	b. Nearest Human Habitation	Ghodageri-2.90Km		

	c.	Educational Institutes, Hospital	Hukkeri-13.0 Km	
	d.	Water Bodies	Ghataprabha River 3.1Km N-NE Markandeya River 4.1Km SE Dhupdhal Lake 7.4Km	
	e.	Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Acres-Gunats			
	a.	Proposed workings	3-30	
	b.	Proposed Shelter	0-02	
	c.	Proposed Stack Yard	0-05	
	d.	Proposed Dump Yard	0-03	
	e.	Proposed Road	0-08	
	f.	Proposed 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	3.550 KLD
			Domestic	0.450 KLD
			Other	3.0 KLD
			Total	7.0 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proponent was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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 new lease involving building stone mining in Patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept. and land conversion order. The lease has been notified on 08.11.2019 for 20 years.

As seen from the quarry plan there is a level difference of 6meters within the mining area and taking this into consideration the committee opined that 65% of the proposed proved quantity of 1032170tons or 392460cum can be mined safely and scientifically to a quarry pit depth of 20meters for a lease period.

As per the extended combined sketch prepared by the DMG there are no other leases within the radius of 500mts from this lease area. The area of this lease 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 1.1KM connecting lease area to the all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.14.0lakh to take up afforestation, water supply and sanitation works in govt. high school at Ghodageri which is at a distance of 2.9 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with condition that the proponent to submit the exact distance between the project site and the boundary of the Notified ESZ of Ghataprabha Bird sanctuary and the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wild life Warden thereon to the SEIAA.

The committee also prescribed 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) Only registered labours should be employed.
4) 20% eco friendly materials to be used for construction.
5) Submetering for water consumption to be installed.

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

239.38 Building Stone Quarry Project at Sy.No.110 of K.B. Hosahalli Village, Kolar Taluk & District (0-26 Acres) (Q.L.No.698) **by Sri K.M. Jayarama Reddy (SEIAA 13 MIN 2020)**

The proponent was invited for the 239th meeting held on 12-02-2020 to provide required clarification. The proponent remained absent without intimation.

The committee after discussion 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.

Reconsidered Projects:-

239.39 Proposed Expansion of Integrated Sugar Complex Project at Sy.Nos.29, 32/1, 32/2, 33/1B and 33/1A, 36, 27/2, 27/3, 28/1, 28/2, 29/1, 30/6, 30/3, 30/4b, 30/4a, 30/4c, 30/5a, 30/5b, 33/2a, 35/2, 36/1b, 36/2, 48/1a, 48/1b/1, 39/1, 36/3, 62/1a, 3/3+4/1, 30/1+2, 39/2b, 43/1+2/c, 43/1, 135/1 of Nagral & Naingeli Village, Bagalkot Taluk, Bagalkot District **By M/s.E.I.D – Parry (India) Ltd (SEIAA 45 IND 2019)**

#	Particulate	Description
34.	Project	E.I.D. Parry India Limited Expansion of Integrated Sugar Complex is located at Nagaral & Nainegali Village, Bagalkot Taluk, Bagalkot District, Karnataka State. The Survey no.s of the plant site are 29, 32/1, 32/2, 33/1/B, 33/1A, 36, 27/2, 27/3,28/1, 28/2. 29/1, 30/6, 30/3, 30/4b, 30/4a, 30/4c, 30/5a, 30/5b, 33/2a, 35/2, 36/1b, 36/2, 48/1a, 48/1b/1, 39/1, 36/3, 62/1a, 3/3 + 4/1, 30/1+2, 39/2b, 43/1+2/c, 43/1, 135/1.
35.	Available land	Total area : 177.2 acres Green belt area: 60 acre

36.	Coordinates of the Project site	**Point No.**	**Coordinates**
		1.	16°16' 27.05" N – 75°55' 33.09" E
		2.	16°16' 41.35" N – 75°55' 38.67" E
		3.	16°16' 40.45" N – 75°55' 42.73" E
		4.	16°16' 43.16" N – 75°55' 43.18" E
		5.	16°16' 43.91" N – 75°55' 39.72" E
		6.	16°16' 52.49" N – 75°55' 44.54" E
		7.	16°16' 50.83" N – 75°55' 48.15" E
		8.	16°16' 54.00" N – 75°55' 48.90" E
		9.	16°16' 56.41" N – 75°55' 44.84" E
		10.	16°16' 54.60" N – 75°55' 43.33" E
		11.	16°16' 55.35" N – 75°55' 41.22" E
		12.	16°16' 52.49" N – 75°55' 39.12" E
		13.	16°16' 53.85" N – 75°55' 35.35" E
		14.	16°16' 48.27" N – 75°55' 32.49" E
		15.	16°16' 49.33" N – 75°55' 27.52" E
		16.	16°16' 37.74" N – 75°55' 22.10" E
		17.	16°16' 36.68" N – 75°55' 24.96" E
		18.	16°16' 24.49" N – 75°55' 19.85" E
		19.	16°16' 24.79" N – 75°55' 15.93" E
		20.	16°16' 21.63" N – 75°55' 14.43" E
		21.	16°16' 18.46" N – 75°55' 21.65" E
		22.	16°16' 27.20" N – 75°55' 26.17" E
37.	Type of project New/Expansion/modification/renewal	Expansion	
38.	Type of land (Forest/Govt. Revenue, Gomal, private/ Patta, Other)	Private land	
39.	Product (after expansion)	Sugarcane crushing : 7500 TCD Cogen Power : 34 MW Rectified Spirit / Ethanol / ENA : 60 KLD Power from Incineration boiler : 3 MW	
40.	Existing project	Sugarcane crushing : 4750 TCD Cogen Power : 15 MW	
41.	Operation days	Sugar : 180 days Co-gen power : 300 days Distillery : 300 days	
42.	Raw materials requirement	Sugarcane : 7500 TPD	

	after expansion	Bagasse : 2250 TPD / Coal : 890 TPD Molasses : 230 TPD Concentrated Spent wash : 130 TPD & Coal TPD
43.	Water requirement	Existing : 390 KLD After expansion : 1328 KLD
44.	Source of water	Krishna River – 2.7 Kms
45.	Boiler (proposed expansion)	Co-generation boiler : 110 TPH Incineration boiler : 25 TPH
46.	TG	Co-gen - 19 MW Distillery - 3 MW
47.	Fuel	Bagasse : 2250 TPD / Coal : 890 TPD Concentrated Spent wash : 130 TPD
48.	Steam	Steam generation capacity : 110 TPH & 25 TPH
49.	Total effluent generation	Sugar : 740 KLD Co-gen power : 159 KLD Distillery : 959 KLD
50.	Effluent treatment system	**Sugar:** Effluent generated from the Sugar plant will be treated in specially designed **ETP** and treated effluent will be utilized for greenbelt development after ensuring quality of treated effluent with standards stipulated for onland for irrigation by CPCB / KSPCB. **Co-generation Power Plant :** Cooling tower blowdown and DM plant regeneration water will be recycled into process. Boiler blowdown and service water effluent will be treated in neutralization tank and treated effluent is will be utilized for greenbelt development / ash conditioning / dust suppression in the plant premises after ensuring quality of treated effluent with standards stipulated for onland for irrigation by CPCB / KSPCB. Hence there will not be any adverse impact on environment due to the proposed activities. **Distillery Plant :** The spent wash generated from the distillery

		will be concentrated in Multiple Effect Evaporators (MEE) to 60% solids and then the concentrated spent wash will be incinerated along with coal in 25 TPH incineration boilers. This is totally a zero discharge based technology. This technology is approved by CPCB.
51.	Ash	**Cogeneration Power plant** Ash will be disposed to farmers to use as manure in Agricultural lands when Bagasse used as fuel in Boiler Ash will be given to cement plants/brick manufactures When Coal used as fuel in Boiler **Distillery** Ash generated will be given to Group fertilizer unit
52.	Air pollution control measures	**Co-genBoiler:** Air emission Control system : ESP PM : < 50 mg/Nm^3 Stack Height : 86 m **Distillery Boiler:** Air emission Control system : Bag filter PM : < 50 mg/Nm^3 Stack Height : 60 m
53.	Man-power	Total : 500 Skilled : 200 Semi-skilled :225 Unskilled : 75
54.	Total project cost	Rs. 351 crores
55.	Total EMP capital cost	Rs. 20 Crores
56.	Environment Sensitivity	
57.	Nearest Village	Naingeli at 2.4 km
58.	Nearest Town / City	Almatti town – 7.2 Kms
59.	Nearest IMD station	Belgaum (150 kms)
60.	Nearest National Highway	National Highway 50 (Solapur - Mangalore highway) adjacent to the factory
61.	Nearest Railway station	Almatti - 8 Kms

62.	Nearest Airport	Hubballi Airport 135 km
63.	National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/ Elephant Reserves, Wildlife Corridors etc. within 10 km radius	Nil within 10 km of project area
64.	Forest	Two unnamed Reserve forest are present at a distance of 4.5 Kms. & 7.5 Kms. respectively within 10 Km. radius of the plant site.
65.	Water bodies in core area (5 km)	Krishna River flowing at a distance of 2.7 Kms in north
66.	Water bodies in buffer area (5 km)	Almatti dam 7 Kms
67.	Interstate boundary	Nil within 10 Km radius

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 237th meeting held on 02-01-2020 for EIA Appraisal. The committee screened the proposal considering the information provided in the statutory application-Form I, EIA report,Pre-feasibility report and clarification/additional information provided during the meeting.

The proponent has stated that he has applied for EC to MoEF & CC New Delhi because at that point of time molasses based distilleries were not in the ambit of B1 category and they were under A category. And based on this EAC have issued TORs and studies and Public Hearing have been taken up based on these TORs. By the time the report was readied a policy decision was taken categorizing molasses based distilleries less than 100KLPD under B1 category. In view of this changed policy the proponent has stated that he has made out this application to SEIAA for further appraisal of the EIA report prepared thereon.

The proponent has also stated that it is an existing unit with a crushing capacity of 4750TCD and 15MW cogeneration unit and proponent has stated that the existing operation was not covered under the EC.

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

1) As per the records submitted there are 3 schedule 1 fauna found in the study area for which the biodiversity protection plan to be prepared in consultation with forest authorities and authenticated by PCCF wild life along with Budget back up with time frame may be submitted.
2) Flora found in the study area has to be categorized as per ICUN and submitted.
3) List out the existing green belt area and existing plant species wise number and additional area proposed for greenery due to this expansion along with list and numbers wise species available locally and submitted.
4) Action plan to control odour pollution may be detailed and submitted.
5) Action plan to store spent wash may be detailed in view of containing odour pollution and submitted.
6) Land use details may be reworked and submitted along with the modified concept plan.
7) Solar panel layout utilizing the entire terrace area to harness solar power may be worked out and submitted.
8) The details of proper composting of filter cakes and press mud may be detailed and submitted.
9) The redressal for the concerns expressed during PH may be detailed and submitted.

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 Environment Clearance.

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

239.40 Proposed manufacturing of Jaggery spirit(Micro Distillery) at Plot No.89, Adakanahalli Industrial Area, Nanjangud Taluk, Mysore District by **M/s. Huli Spirits Pvt Ltd.,(SEIAA 08 IND 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	**Mr. Aruna Vasanthraj Urs** Director #64,/B6, Hootagalli Industrial Area, Mysore, -570 018

2	Name & Location of the Project		**M/s. Huli Spirits Pvt. Ltd.,** Plot No. 89, Adakanahalli Industrial Area, Nanjangud taluk, Mysore District.
3	Co-ordinates of the Project Site		**Latitude - 12° 10'14.16"N** **Longitude - 76° 42'12.11"E**
4	Environmental Sensitivity		
	a.	Distance From nearest Lake/ River/ Nala	Kapila river- 3.3 km (SW)
	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	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		Activity 5 (g) of Category-B
6	New/ Expansion/ Modification/ Product mix change		New
7	Plot Area (Sqm)		2094 Sqmt
8	Built Up area (Sqm)		--
9	Component of developments		"Micro distillery" (Manufacturing of jaggery spirit)
10	Project cost (Rs. In crores)		Rs. 2.0Crores
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	--
	b.	Kharab Land	--
	c.	Internal Roads	--
	d.	Open area	--
	e.	Parking	--
	f.	Green belt	33%
	g.	Others Specify	--
	h.	Total	2094Sqmt
12	Products and By- Products with quantity (enclose as Annexure if necessary)		Manufacturing of Jaggery spirit Proposed capacity of 5000 cases (60,000 bottles of 750 ml each) per Annum.

13	Raw material with quantity and their source (enclose as Annexure if necessary)		Details are in Pre-feasibility report	
14	Mode of transportation of Raw material and storage facility		Mode of transportation of raw material is by road and storage facility will be within the project site	
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		Will be detailed in EIA	
18	Details of Plant and Machinery with capacity/ Technology used		Electricity- CHESCOM Proposed Utilities Briquettes/wood chip FiredBoilers: 5 KG/HX2	
19	Details of VOC emission and control measures wherever applicable		--	
20	WATER			
	I.	Construction Phase		
	a.	Source of water	KIADB	
	b.	Quantity of water for Construction in KLD	--	
	c.	Quantity of water for Domestic Purpose in KLD	0.5 KLD	
	d.	Waste water generation in KLD	0.45 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Treated in soak pit	
	II	Operational Phase		
	a.	Source of water	KIADB	
	b.	Total Requirement of Water in KLD	Fresh	–
			Recycled	--
			Total	**5.7 KLD**
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	5.0
			Recycled	–
			Total	**5 KLD**
	d.	Requirement of water for	Fresh	--

		domestic purpose in KLD	Recycled	--
			Total	**0.5 KLD**
	e.	Waste water generation in KLD	Industrial effluent	3KLD
			Domestic sewage	0.45 KLD
			Total	**3.5 KLD**
	f.	ETP/ STP capacity	The domestic wastewater generated will be disposed to septic tank followed by soak pit.	
	g.	Technology employed for Treatment	ETP of 3 KLD capacity	
	h.	Scheme of disposal of excess treated water if any	Zero discharge	
21	Infrastructure for Rain water harvesting		NA	
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	--	
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	100kg/day
			ETP Sludge	150 Kg/day
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	**Details are in pre-feasibility report**	
	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- CHESCOM - 25 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	80 KVA X 1 Proposed
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	Boiler - Multi fuel 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	10numbers
	b.	Internal Road width (RoW)	Approach road width - 18.25 m Internal road width -6m(min)
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 220th meeting held on 9-4-2019 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. The committee also prescribed the following additional TORs.

1) Air capacity modeling to be conducted for the study area of 500 meter around the unit to capture the cumulative effect of the surrounding units in determining the ground level concentration of the pollutants.
2) The details of renewable energy harvesting at the project site may be furnished.

3) Provide the energy audit report as per BEE (Bureau of Energy Efficiency).

Accordingly TORs were issued on 28-05-2019. The proponent has submitted the EIA report vide letter dated: 27-11-2019. The same was placed before 237th SEAC meeting for EIA appraisal.

The proponent and consultant attended 237th SEAC meeting held on 02-01-2020 for EIA appraisal.

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

1) Odour management plan may detailed and submitted.
2) Chemical used as biosidal to disinfect bioreactor may be detailed and submitted.
3) Arrangements to capture carbon dioxide may be detailed and submitted
4) Storage capacity of rain water storage from paved area and terrace area may be detailed and submitted.
5) Solar layout plan utilizing the entire terrace to harness solar power may be worked out and submitted.

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 Environment Clearance.

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

239.41 Proposed Building Stone Quarry (M-Sand) in 3-00 Acre of Govt. land bearing Sy.No.116 of Gollahalli Village, Chikkaballapur Taluk and District **by Sri. H.V Chikkagarigareddy(SEIAA 518 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. H.V. Chikkagarigareddy S/o. Sri Venkatanarayanappa Haristhala, Chikkapayalagurki Post Chikkaballapur Taluk & District

2	Name & Location of the Project	Building Stone Quarry in 3-00 Acres of Govt. Land bearing Sy. No.116 of Gollahalli Village, Chikkaballapura Taluk & District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 13°30'15.20"	E 77°44'32.8"
		B	N 13°30'15.00"	E 77°44'28.0"
		C	N 13°30'18.00"	E 77°44'27.8"
		D	N 13°30'18.20"	E 77°44'32.5"
4	Type of Mineral	Building Stone(M-Sand)		
5	New / Expansion / Modification / Renewal	Operating(QL. No. 110)		
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	3-00acres		
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	98,395 (Avg.) Tons/ Annum		
14	Quantity of Topsoil/Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	1,358Tons/Annum		
16	Project Cost (Rs. In Crores)	0.40		
17	Environmental Sensitivity			
	a. Nearest Forest	Avalagurki Gomala S.F-2.19 Km SW Narasimhadevarabetta R.F-2.74 Km W Haristhala R.F-5.15 KM NE		

	b.	Nearest Human Habitation	Gollahalli -1.0Km
	c.	Educational Institutes, Hospital	Chikkaballapura which is Taluk head quarter-8.0 Km
	d.	Water Bodies	Kalkunte Kere-2.14 Km NE Gundlahali Kere-4.38 Km E Guvvalakamahalli Kere-1.92 Km E-SE Puradgadde Kere-4.49Km E-SE Marasanahalli Kere-2.92 Km SE Harobande Kere-4.00 Km S-SE Kavarnahalli Kere-3.06 Km S Gollahalli Kere-872 m NW Mogalakuppe Kere-898 Km N-NW Addgal Kere-6.09 KM N Avanagerehalli Kere-9.46 Km NE Goudanahali Kere-8.66 Km E-NE Krishnapura Kere-7.94 Km E-SE Katriguppe Kere-7.49 Km E-SE Andaralahalli Kere-8.29 Km S-SE Kelaginatota Kere-7.90 Km S Mailappanahalli Kere-8.62 Km S-SW Susepalya Kere-5.73 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	Quarry working	2-13
	B	Waste Dumps/Mineral storage	0-01
	C	Roads/Infrastructure	0-01
	D	Proposed buffer zone	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: 3.40 KLD Domestic: 0.45 KLD Other: 2.65 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 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, Approved mining plan, prefeasibility Report and clarification/information provided during the meeting. The committee noted that this is a proposal involving building stone mining in government land. The proponent has stated that the lease for the same was granted earlier in the year 2005 and subsequently renewed in the year 2010 for the period of 10 years. Now the proponent has claimed that as per the amended KMMC rules, it stands extended upto 2025. The proponent has stated that the forest department, Revenue department and Mines and Geology department have made joint inspection in the year 2005 and 2010. As per the audit report prepared by the DMG, the mining has been carried out from 2005-06 to 2013-14 and the total quantity mined as per audit report is 25,770 tons.

The proponent has stated that his quarry lease has been granted in the year 2005 itself his lease is exempted from cluster effect but as per the stipulation he has agreed to prepare the combined EMP.

As per the quarry plan approved by DMG there is a level difference of 55 meters and taking this into consideration the committee opined that the proposed quantity of 1,88,724 cum or 4,98,767 tons can be mined safely and scientifically for a plan period of five years to a quarry pit depth of 5 meters. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

The proponent has stated that there is a existing cart track road to a length of 400 meters connecting the lease area to all weather black topped road.

As far as CER is concerned, the proponent has earmarked Rs.10.00 lakhs towards rejuvenation of Gollahalli kere which is at a distance of 870 meters from the lease area.

The committee after discussion decided to reconsider after submission of combined EMP.

The proponent has submitted the replies on 03.01. 2019.

The committee perused the replies submitted by the proponent.

As seen from the combined EMP prepared and submitted by the proponent for the entire area vital points such as 1) Laying of all weather Black topped/white topped road 2)Providing dust screen all along the periphery of the land area 3)The greenery details are missing for which the proponent has stated that he will revise the combined EMP incorporating all these items and submit the same.

The committee after discussion decided to reconsider after submission of above information.

The committee perused the replies submitted by the proponent and accepted the same.

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

1. Safe drinking water has to be provided at the quarry site.
2. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

By Permission of chair:

239.42 Proposed Building Stone Quarry Project at Sy.No.74 of Doddashalavar Village, Arehalli Hobli, Belur Taluk, Hassan District (Q.L.No.HMG-339) (1-00 Acre) by **Smt. Geetha (SEIAA 766 MIN 2019)**

The proponent and Environment consultant attended the 235th meeting held on 04-12-2019 to provide clarification/additional information.

As seen from the site photographs it is noticed that mining has been carried out without maintaining any buffer zones also as per approved mining plan which is for 5 years but whereas remaining lease period ends up within 2023 and needs modification. For this proponent has agreed to comeback with proper clarification. Hence the committee decided to defer the subject.

<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>Smt. Geetha W/o C Nagarajgowda,
Doddashalavar Village,
Anughatta Hobli, Belur Taluk,
Hassan District – 573101.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>"Building Stone Quarry" of
Smt. Geetha
Sy No. 74, Doddashalavar village,
Arehalli Hobli,Belur taluk,
Hassan District , Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>
<table>
<tr><th>Corner Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>BP-A</td><td>N 13° 03′ 55.7″</td><td>E 75° 47′ 36.1″</td></tr>
<tr><td>BP-B</td><td>N 13° 03′ 56.7″</td><td>E 75° 47′ 37.4″</td></tr>
<tr><td>BP-C</td><td>N 13° 03′ 54.6″</td><td>E 75° 47′ 39.3″</td></tr>
<tr><td>BP-D</td><td>N 13° 03′ 53.7″</td><td>E 75° 47′ 38.1″</td></tr>
<tr><td colspan="3">WGS-84 DATUM</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>Renewal (QL No. HMG - 339)</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Government Kharab Land</td></tr>
<tr><td>7</td><td>Whether the project site fall within ESZ/ESA</td><td>No</td></tr>
</table>

8	Area in Ha		0.404Ha
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		1,110 mts RL
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		25,068TPA
14	Quantity of Topsoil/Over burden in cubic meter		809 cu.m
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		1,319TPA
16	Project Cost (Rs. In Crores)		0.95crores
17	Environmental Sensitivity		
	a.	Nearest Forest	None within 5kms
	b.	Nearest Human Habitation	Doddasalavara village -0.85 kms (NW)
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Belur - 13.10 kms (NE)
	d.	Water Bodies	Gurgihalli Pond – 0.95 Kms (SW)
	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	0-16
	b.	Waste Dumping Area	0-04
	c.	Top Soil yard	0-06
	d.	Mineral Storage Area	
	e.	Infrastructure Area	
	f.	Road Area	0-02
	g.	Green Belt Area	0-12

	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	8.9KLD
			Domestic	1.2KLD
			Other	1.5KLD
			Total	11.6 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	

In continuation of the appraisal made during 235th SEAC meeting the proponent and consultant attended the 239th meeting held on 12.02.2020 and brought following replies for the earlier observations.

As far as carrying out mining in the buffer area the proponent has produced surface plan prepared on 22.01.2020 approved by DMG authorities stating that no mining activity has been carried out in buffer area and only a road has been formed in the buffer area.

As far as the duration of the balance lease period the proponent has stated that his lease period will be in currency till December 2023 i.e. existing 20 years from the date of initial grant of the lease from 2003.

The committee noted that this is a old lease involving building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.

The proponent has also stated that he has carried out the mining prior to 2013-2014 and no mining activity has been carried out since then till date and same has been reflected in audit report furnished by DMG authorities and total quantity mined is 5260tons. As seen from the quarry plan there is a level difference of 3meters within the mining area and taking this into consideration and also the fact that the mining to an extent of 5260tons as been carried out, the committee opined that 10% of the proposed

proved quantity of 275363tons or 103520cum can be mined safely and scientifically to a quarry pit depth of 6meters for a lease period.

As per the extended combined sketch prepared by the DMG there are 6 leases including this lease within the radius of 500 mts from this lease area and the proponent has stated that all these leases were granted prior to 09.09.2013 by virtue of this proponent has claimed exemption from 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 280meters connecting lease area to the 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.43 Proposed Building Stone Quarry Project at Sy.No.74 of Doddashalavar Village, Arehalli Hobli, Belur Taluk, Hassan District (Q.L.No.HMG-333) (1-00 Acre) by **Smt. Geetha (SEIAA 767 MIN 2019)**

The proponent and Environment consultant attended the 235th meeting held on 04-12-2019 to provide clarification/additional information.

As seen from the site photographs it is noticed that mining has been carried out without maintaining any buffer zones also as per approved mining plan which is for 5 years but whereas remaining lease period ends up within 2023 and needs modification. For this proponent has agreed to comeback with proper clarification.Hence the committee decided to defer the subject.

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Smt. Geetha W/o C Nagarajgowda, Doddashalavar Village, Anughatta Hobli, Belur Taluk, Hassan District - 573101.

<table>
<tr><td>2</td><td>Name & Location of the Project</td><td>"Building Stone Quarry" of Smt. Geetha
Sy No. 74, Doddashalavar village,
Arehalli Hobli, Belur taluk,
Hassan District ,Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table>
<tr><th>Corner Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>BP-A</td><td>N 13° 03′ 48.7″</td><td>E 75° 47′ 37.3″</td></tr>
<tr><td>BP-B</td><td>N 13° 03′ 49.1″</td><td>E 75° 47′ 38.4″</td></tr>
<tr><td>BP-C</td><td>N 13° 03′ 45.6″</td><td>E 75° 47′ 40.0″</td></tr>
<tr><td>BP-D</td><td>N 13° 03′ 45.2″</td><td>E 75° 47′ 38.9″</td></tr>
<tr><td colspan="3">WGS-84 DATUM</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>Renewal (QL No. HMG - 333)</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Government Kharab 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>0.404 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>
<tr><td>11</td><td>Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016</td><td>It's Building Stone.</td></tr>
<tr><td>12</td><td>Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand</td><td>1,075 mts RL</td></tr>
<tr><td>13</td><td>Annual Production Proposed (Metric Tons/ CUM) / Annum</td><td>12,514TPA</td></tr>
</table>

14	Quantity of Topsoil/Over burden in cubic meter		3,000 cu.m	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		659TPA	
16	Project Cost (Rs. In Crores)		0.94crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	None within 5kms	
	b.	Nearest Human Habitation	Doddashalavar village -0.95 kms (NW)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Belur - 13.40 kms (NE)	
	d.	Water Bodies	Gurgihalli Pond - 0.75 Kms (SW)	
	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	0-17	
	b.	Waste Dumping Area	0-01	
	c.	Top Soil yard	0-02	
	d.	Mineral Storage Area		
	e.	Infrastructure Area		
	f.	Road Area	0-01	
	g.	Green Belt Area	0-19	
	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	8.63KLD
			Domestic	1.22KLD
			Other	1.55KLD
			Total	11.4 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	

In continuation of the appraisal made during 235th SEAC meeting the proponent and consultant attended the 239th SEAC meeting and brought following replies for the earlier observations.

As far as carrying out mining in the buffer area the proponent has produced surface plan prepared on 22.01.2020 approved by DMG authorities stating that no mining activity has been carried out in buffer area and only a road has been formed in the buffer area.

As far as the duration of the balance lease period the proponent as stated that his lease period will be in currency till December 2023 i.e. existing 20 years from the date of initial grant of the lease during 2003.

The committee noted that this is a old lease involving building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.

The proponent has also stated that he has carried out the mining prior to 2012-2013 and no mining activity has been carried out since then till date and same has been reflected in audit report furnished by DMG authorities and total quantity mined is 2735tons. As seen from the quarry plan there is a level difference of 25meters within the mining area and taking this into consideration, and also the fact that the mining to an extent of 2735tons as been carried out the committee opined that 40% of the proposed proved quantity of 217960tons or 81940cum can be mined safely and scientifically to a quarry pit depth of 10meters for a lease period.

As per the extended combined sketch prepared by the DMG there are 6 leases including this lease within the radius of 500 mts from this lease area and the proponent has stated that all these leases were granted prior to 09.09.2013 by virtue of this proponent has claimed exemption from 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 240meters connecting lease area to the 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. Only registered labours should be employed.

3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.44 Proposed Building Stone Quarry Project at Sy.No.74 of Doddashalavar Village, Arehalli Hobli, Belur Taluk, Hassan District (Q.L.No.HMG-407) (1-00 Acre) by **Smt. Geetha (SEIAA 768 MIN 2019)**

The proponent and Environment consultant attended the 235th meeting held on 04-12-2019 to provide clarification/additional information.

As seen from the site photographs it is noticed that mining has been carried out without maintaining any buffer zones also as per approved mining plan which is for 5 years but whereas remaining lease period ends up within 2023 and needs modification. For this proponent has agreed to comeback with proper clarification. Hence the committee decided to defer the subject.

<table>
<tr><td>Sl. No</td><td>PARTICULARS</td><td colspan="3">INFORMATION</td></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td colspan="3">Smt. Geetha W/o C Nagarajgowda,
Doddashalavar Village,
Anughatta Hobli,
Belur Taluk, Hassan District - 573101.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td colspan="3">"Building Stone Quarry" of
Smt. Geetha
Sy No. 74, Doddashalavar village,
Arehalli Hobli, Belur taluk,
Hassan District ,Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>Corner Pillar</td><td>Latitude</td><td>Longitude</td></tr>
<tr><td></td><td></td><td>BP-A</td><td>N 13° 03′ 53.3″</td><td>E 75° 47′ 36.4″</td></tr>
<tr><td></td><td></td><td>BP-B</td><td>N 13° 03′ 50.9″</td><td>E 75° 47′ 37.3″</td></tr>
<tr><td></td><td></td><td>BP-C</td><td>N 13° 03′ 51.5″</td><td>E 75° 47′ 39.0″</td></tr>
<tr><td></td><td></td><td>BP-D</td><td>N 13° 03′ 53.7″</td><td>E 75° 47′ 38.1″</td></tr>
<tr><td></td><td></td><td colspan="3">WGS-84 DATUM</td></tr>
</table>

4	Type of Project		**Building Stone**
5	New / Expansion / Modification / Renewal		Renewal (QL No. HMG - 407)
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]		Government Kharab 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 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		1,110 mts RL
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		25,058TPA
14	Quantity of Topsoil/Over burden in cubic meter		800 cu.m
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		1,319TPA
16	Project Cost (Rs. In Crores)		0.95crores
17	Environmental Sensitivity		
	a.	Nearest Forest	None within 5kms
	b.	Nearest Human Habitation	Doddasalavara village -0.90 kms (NW)
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Belur - 13.20 kms (NE)
	d.	Water Bodies	Gurgihalli Pond – 0.90 Kms (SW)
	e.	Other Specify	--
18	Applicability of General Condition of the EIA		NA

	Notification, 2006			
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	0-16	
	b.	Waste Dumping Area	0-04	
	c.	Top Soil yard	0-06	
	d.	Mineral Storage Area		
	e.	Infrastructure Area		
	f.	Road Area	0-02	
	g.	Green Belt Area	0-12	
	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	8.93KLD
			Domestic	1.22KLD
			Other	1.55KLD
			Total	11.7 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	

In continuation of the appraisal made during 235th SEAC meeting the proponent and consultant attended the 239th SEAC meeting and brought following replies for the earlier observations.

As far as carrying out mining in the buffer area the proponent has produced surface plan prepared on 22.01.2020 approved by DMG authorities stating that no mining activity as been carried out in buffer area and only a road as been formed in the buffer area.

As far as the duration of the balance lease period the proponent as stated that his lease period will be in currency till September 2024 i.e. 20 years from the date of initial grant of the lease during 2004.

The committee noted that this is a old lease involving building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.

The proponent has also stated that he has carried out mining prior to 2014-2015 and no mining activity as been carried out since then till date and same has been reflected in audit report furnished by DMG authorities and total quantity mined is 7030tons. As seen from the quarry plan there is a level difference of 13meters within the mining area and taking this into consideration, and also the fact that the mining to an extent of 7030tons as been carried out, the committee opined that 25% of the proposed proved quantity of 236897tons or 89059cum can be mined safely and scientifically to a quarry pit depth of 10meters for a lease period.

As per the extended combined sketch prepared by the DMG there are 6 leases including this lease within the radius of 500 mts from this lease area and the proponent has stated that all these leases were granted prior to 09.09.2013 by virtue of this proponent has claimed exemption from 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 240meters connecting lease area to the 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.45 Proposed Building Stone Quarry Project at Sy.No.74 of Doddashalavar Village, Arehalli Hobli, Belur Taluk, Hassan District (Q.L.No.HMG-334) (1-20 Acres) by **Smt. Geetha (SEIAA 769 MIN 2019)**

The proponent and Environment consultant attended the 235th meeting held on 04-12-2019 to provide clarification/additional information.

As seen from the site photographs it is noticed that mining has been carried out without maintaining any buffer zones also as per approved mining plan which is for 5 years but whereas remaining lease period ends up within 2023 and needs modification. For this proponent has agreed to comeback with proper clarification. Hence the committee decided to defer the subject.

<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>Smt. Geetha W/o C Nagarajgowda,
Doddashalavar Village,
Anughatta Hobli,Belur Taluk,
Hassan District – 573101.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>"Building Stone Quarry" of
Smt. Geetha
Sy No. 74, Doddashalavar village,
Arehalli Hobli,Belur taluk,
Hassan District ,Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>
<table>
<tr><th>Corner Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>BP-A</td><td>N 13° 03′ 49.7″</td><td>E 75° 47′ 38.2″</td></tr>
<tr><td>BP-B</td><td>N 13° 03′ 50.3″</td><td>E 75° 47′ 39.8″</td></tr>
<tr><td>BP-C</td><td>N 13° 03′ 46.9″</td><td>E 75° 47′ 41.2″</td></tr>
<tr><td>BP-D</td><td>N 13° 03′ 46.1″</td><td>E 75° 47′ 39.8″</td></tr>
<tr><td colspan="3">WGS-84 DATUM</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>Renewal (QL No. HMG - 334)</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Government Kharab 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>0.606 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>
</table>

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		1,093 mts RL
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		12,518TPA
14	Quantity of Topsoil/Over burden in cubic meter		5,600 cu.m
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		659TPA
16	Project Cost (Rs. In Crores)		0.95crores
17	Environmental Sensitivity		
	a.	Nearest Forest	None within 5kms
	b.	Nearest Human Habitation	Doddashalavar village -0.95 kms (NW)
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Belur - 13.50 kms (NE)
	d.	Water Bodies	Gurgihalli Pond – 0.80 Kms (SW)
	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	0-28
	b.	Waste Dumping Area	0-04
	c.	Top Soil yard	0-06
	d.	Mineral Storage Area	
	e.	Infrastructure Area	
	f.	Road Area	0-02
	g.	Green Belt Area	0-20
	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	8.7KLD
			Domestic	1.2KLD
			Other	1.5KLD
			Total	11.4 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	

In continuation of the appraisal made during 235th SEAC meeting the proponent and consultant attended the 239th SEAC meeting and brought following replies for the earlier observations.

As far as carrying out mining in the buffer area the proponent has produced surface plan prepared on 22.01.2020 approved by DMG authorities stating that no mining activity has been carried out in buffer area and only a road as been formed in the buffer area.

As far as the duration of the balance lease period the proponent has stated that his lease period will be in currency till December 2023 i.e. 20 years from the date of initial grant of the lease during 2003.

The committee noted that this is a old lease involving building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.

The proponent has also stated that he has carried out the mining prior to 2012-2013 and no mining activity has been carried out since then till date and same has been reflected in audit report furnished by DMG authorities and total quantity mined is 4379tons. As seen from the quarry plan there is a level difference of 25meters within the mining area and taking this into consideration and also the fact that the mining to an extent of 4379tons has been carried out the committee opined that 50% of the proposed proved quantity of 376911tons or 141696cum can be mined safely and scientifically to a quarry pit depth of 12meters for a lease period.

As per the extended combined sketch prepared by the DMG there are 6 leases including this lease within the radius of 500 mts from this lease area and the proponent

has stated that all these leases were granted prior to 09.09.2013 by virtue of this proponent has claimed exemption from 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 250meters connecting lease area to the 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.46 Proposed Building Stone Quarry Project at Sy.No.25 of Bennahalli Village, Ramanagara Taluk, Ramanagara District over an area of 6-10 Acres **By Smt. Pankaja Neelakanta(SEIAA 439 MIN 2019)**

The proposal was placed before the committee for appraisal.

The proponent was invited for the 227th meeting held on 25-7-2019 to provide required clarification. The proponent remained absent without intimation.

The Committee after discussion 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 and Environment consultant attended the meeting held on 14-11-2019 for Appraisal.

As per the records it is noticed that the lease area is being close to Ramadevarabetta Vulture sanctuary, and Bannerghatta National park the NOC from the competent authorities is required to proceed further with the appraisal. For which the proponent has stated that he will come back with necessary NOC. Hence the committee decided to defer.

Sl. No	PARTICULARS	INFORMATION

<table>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Smt. Pankaja Neelakanta,
No.71/01, Pantara Palya,
Near Old Check post,
Mysore Road, Bangalore-560039</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>"Building StoneQuarry"
Sy No. 25, Bennahalli village, Ramanagara Taluk, Ramanagara District, Karnataka..</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><td>P No</td><td>Latitude</td><td>Longitude</td></tr><tr><td>A</td><td>N12° 42′ 58.4″</td><td>E77° 22′ 24.4″</td></tr><tr><td>B</td><td>N12° 42′ 59.2</td><td>E77° 22′ 28.7″</td></tr><tr><td>C</td><td>N12° 42′ 54.3″</td><td>E77° 22′ 29.3″</td></tr><tr><td>D</td><td>N12° 42′ 54.0</td><td>E77° 22′ 27.9″</td></tr><tr><td>E</td><td>N12° 42′ 53.9″</td><td>E77° 22′ 28.3″</td></tr><tr><td>F</td><td>N12° 42′ 51.3″</td><td>E77° 22′ 24.9″</td></tr><tr><td>G</td><td>N12° 42′ 51.0″</td><td>E77° 22′ 24.9″</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone Quarry</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>Renewal(QL-1244)</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Government 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>2.529Ha</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</td><td>It's a Building Stone quarry</td></tr>
<tr><td>11</td><td>Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016</td><td>Not Applicable For Government land</td></tr>
<tr><td>12</td><td>Measurements of the existing</td><td>Fresh Land</td></tr>
</table>

	quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		7,00,000 TPA
14	Quantity of Topsoil/Over burden in cubic meter		No top soil.
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		14,286 TPA
16	Project Cost (Rs. In Crores)		9.79 crores
17	Environmental Sensitivity		
	a.	Nearest Forest	None within 10kms
	b.	Nearest Human Habitation	Manchegowdanapalya village – 1.1 kms (SE)
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Ramanagara- 9.50 Kms (W)
	d.	Water Bodies	Vrishabhavathi Reserviour-6.7km(NE) Bennahalli Pond-4.85Km(NE) Chowkahalli Pond-4.85Kms(NE)
	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	4-26
	b.	Waste Dumping Area	0-02
	c.	Top Soil Storage Area	0-06
	d.	Mineral Storage Area	
	e.	Infrastructure Area	
	f.	Road Area	0-02
	g.	Buffer Zone	1-14
	h.	Unexplored area	--
	i.	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	11.86KLD
			Domestic	0.81 KLD
			Other	1.5 KLD
			Total	14.17KLD
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 proponent and Environment consultant attended the 238th meeting held on 22-01-2020 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.

In this connection a petition has been received from one Sri Ramesh.R stated to be local quarry owner and also law abiding and environmentalist of Ramnagar Tq in which he has mainly pointed out that the quarrying being done without any valid EC and huge quantities are being extracted using lot of explosives inconveniencing the neighbours and also he has mentioned that he has subleased the quarry to one Sri Naveen the road contractor and he has alleged that DMG authorities are keeping silent in this matter.

As far as issues concerned with SEAC it is reiterated that the EC for the same has been issued on 30.01.2016 and as far as other issues raised in the letter mainly pertains to DMG authorities.

During appraisal of this proposal in 234th SEAC meeting the subject was deferred for want of NOC from forest Dept. now the proponent has come back with the forest NOC issued by PCCF wildlife stating that the quarry lease is 7.1KM from the Notified ESZ boundary of Ramadevarabetta vulture sanctuary.

Further the committee noted that the lease area as been got reduced from 7acres for which earlier EC was issued to 6Acres 10guntas for this expansion proposal as per the order Dt. 06.05.2019 issued by DMG and also Modified quarry plan has been approved for this reduced area on 28.05.2019.

This is a old lease involving building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept. The lease deed has been executed on 04.01.2006 for 20years and he has not carried out mining till 2018-19 but however the audit report covers only up to 2017-18 for this the proponent has stated that the production during 2018-19 and due certificate in this regard will be obtained and submitted and mining activity has been carried out from Aug 2019 and the quantity mined is within the permissible limit of 37050tons as per earlier EC and he has also stated that he will start filing six monthly EC compliance report from Feb 2020 and hence he requested not to insist for certified EC compliance report for this expansion proposal. Also the proponent has stated that the material mined from this lease will be supplied to Bangalore -Mysore NH 275 six lane road work.

As seen from the quarry plan there is a level difference of 40meters within the mining area and taking this into consideration, and also the fact that he has already mined 17000tons the committee opined that the proposed proved quantity of 1400000tons or 526350cum can be mined safely and scientifically to a quarry pit depth of 20meters for a lease period.

The proponent has claimed exemption from cluster effect for this lease in view of the fact that the the lease was granted for the same prior to 09.09.2013.Hence 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 270meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.25.0lakh to take up rejuvenation of Manchegowdanapalya kere which is at a distance of 0.98KM from the project site.

In view of the inconsistencies about the period in which the mining activity as been carried out and co ordinates of the lease area the committee decided to reconsider the project.

In continuation of the observations made by the committee during 238th meeting the proponent has submitted the replies for the above observations during 239th SEAC meeting on 12.02.2020. Committee perused the replies and noted that as per the clarification issued by the DMG, also in view of statement made by the

proponent along with the covering letter the mining activity has been carried out from October 2019 not earlier.

In view of the above 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.47 Proposed Gabadi Sand Block No.02 in Tunga River Bed at Adjecent to the Sy.Nos.59 & 3 of Gabadi Village, Thirthahalli Taluk, Shivamogga District (10-00 Acres) by **Executive Engineer,Panchayathraj Engineering Division, Shivamogga (SEIAA 842MIN 2019)**

The proponent was invited for the 238th meeting held on 22-01-2020 to provide required clarification. The proponent remained absent.

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 was invited for the 239th meeting held on 12.02.2020 for appraisal.

The proponent and Environment consultant attended the 239th meeting held on 12-02-2020 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.

This is a proposal involving sand mining in Thunga river bank. And the proponent has stated that his proposal has been got vetted by district sand monitoring committee and LOI for the same has been issued by DMG authorities to utilize the quantity mined for the public works undertaken by the Panchayat Raj Engg division.

As per the combined sketch prepared by DMG there are two leases including this lease wit in the 500 mts radius from this lease area and out of which the EC application

for one lease has not been made out and taking this into consideration the area of this lease being less than the threshold limit of 5 ha, the committee decided to categorise this proposal under B2 category and proceeded with the appraisal accordingly.

It is observed that the width of the river in lease area is 230 m and buffer of 100m width on left side and 30m on right side as been left. The top level of the sand block is 590 m and the dry weather flow of this river is 586.8meters, depth of mining proposed is 0.5 meter. The proponent has stated that he will take up mining in the entire block to a depth of 0.5 m and take up further mining in the subsequent years after full replenishment. Taking these into consideration the committee opined that the proposed quantity at the rate of 20000 cubic meter or 34000 tons per annum can be mined safely and scientifically for a plan period of 5 years.

The proponent has stated that he has proposed a stock yard adjacent to the lease area on the river bank.

As far as approach road is concerned the proponent has stated that he will form a road to a length of 220meters on private land for which the proponent has stated that he will enter into an MOU with land owners.

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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.48 Proposed Building Stone (M-Sand) Quarry Project at Sy.Nos.222/3, 222/4(P), 222/5(P) of Yaraganvi Village, Savadatti Taluk, Belagavi District (5-32 Acres) by **M/s. R.V. MINERALS (SEIAA 824 MIN 2019)**

The proponent was invited for the 237th meeting held on 02-1-2020 to provide required clarification. The proponent remained absent.

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.

<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 R V MINERALS
SRI R V PRATHAP REDDY S/O
R V BALA ANJINEYA REDDY
WARD NO:01 NEAR DYAVAMMA TEMPLE
VENIVEERAPURA BELLARY
KARNATAKA-583115</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>Yaraganvi Village,
Savadatti Taluk,
Belagavi District
Karnataka</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>
<table>
<tr><td>A</td><td>N 15°59'47.5"</td><td>E75°00'21.5"</td></tr>
<tr><td>B</td><td>N 15°59'47.5"</td><td>E75°00'19.7"</td></tr>
<tr><td>C</td><td>N 15°59'42.3"</td><td>E75°00'16.2"</td></tr>
<tr><td>D</td><td>N 15°59'39.5"</td><td>E75°00'17.9"</td></tr>
<tr><td>E</td><td>N 15°59'43.6"</td><td>E75°00'21.2"</td></tr>
<tr><td>F</td><td>N 15°59'44.9"</td><td>E75°00'22.7"</td></tr>
<tr><td>G</td><td>N 15°59'46.3"</td><td>E75°00'22.1"</td></tr>
</table>
</td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone(M-Sand).</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]		Private Land.
7	Whether the project site fall within ESZ/ESA		No
8	Area in Ha		2.34 Ha SyNos:222/3,222/4(P),222/5(P)
9	Actual Depth of building stone in the lease area /Patta Land building stone		Depth of building stone in Private land -25mt(from top level).
10	Depth of building stone proposed to be removed		Depth of building stone proposed-20mt (from top level)
11	Annual Production Proposed (Metric Tons/ CUM) / Annum		95000 TPA
12	Quantity of Topsoil/Over burden in cubic meter		Waste- 5000 TPA
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		Nil
14	Project Cost (Rs. In Crores)		60 Lakh
15	Environmental Sensitivity		
	a.	Nearest Forest	Reserve forest 6.0 km from applied area.
	b.	Nearest Human Habitation	Yaraganvi-2.5 km
	c.	Educational Institutes, Hospital	Savadatti-35km
	d.	Water Bodies	Hire halla-4.5 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	4-28
	b.	Waste Dumping Area	--
	c.	Top Soil Storage Area	--
	d.	Mineral Storage Area	--
	e.	Infrastructure Area	--
	f.	Road Area	0-01
	g.	Green Belt Area	--

	h.	Others Specify Safety Zone	1-03	
		Total	5-32(2.34 Ha)	
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	7.0
			Domestic	1.5
			Other	1.5
			Total	10.0
20	Storm water management plan		--	

The proponent and Environmental consultant attended the 239th meeting held on 12-02-2020 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.

This is a proposal involving Building Stone Quarry in Patta land. The proponent has stated that he has obtained NOC's from Forest, Revenue Dept., and also obtained land conversion order. The lease is notified on 24-06-2019.

As seen from the quarry plan there is a level difference of 11m within the mining area and taking this into consideration the committee opined that the proposed proved quantity of 694375tons or 261013cum can be mined safely and scientifically to a quarry pit depth of 15 meters for a lease period.

As per the cluster sketch prepared by DMG there are no other leases including this lease within 500 m radius from this lease and the total area of this lease is 5-32 Acres which being less than threshold limit of 5 Ha. The committee decided to categorize this project under B2 category and proceed with the appraisal accordingly. The proponent has also stated that the project doesn't fall within the 10 Km radius from national park or wildlife sanctuary.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to the length of 240 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 10.0 Lakhs for rejuvenation of Hirehalla which is at a distance of 4.0KM 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. Only registered labours should be employed.
3. The proponent to obtain safety certificate from the DGMS before starting mining activity.

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

239.49 Proposed Permanent Campus of "IIT Dharwad"(Institutional Project) at Village Kelagiri, Chikkamalligewad, Dharwad **by Indian Institute of Technology, Dharwad(SEIAA 65 CON 2019)**

Indian Institute of Technology Dharwad (IIT Dharwad) is an autonomous premier engineering and technology university in Dharwad, India.

The total plot area of the project is greater than 50 hectares, hence it is categorized as 8(b) project, under the EIA Notification, 2006 and requires environmental clearance from the SEIAA, Karnataka.

SL.No.	Particulars	Details
1.	Name of the Project	Proposed Permanent Campus of "IIT DHARWAD" By Indian Institute of Technology Dharwad,(IIT DHARWAD).
2.	S. No. in the schedule	Sr. No. 8 (b) [Schedule 8 : Building/Construction projects/Area Development Projects and Townships, of EIA Notification 2006]
3.	Total Plot Area	19,02,019.5 m^2 (470 Acres)
4.	Total Built Up Area	14,51,346 m^2
5.	Max. height	68.15 mtrs
6.	Maximum No. of Floors	S+11

7.	Cost of Project	800Crores
8.	Expected Population	39, 878
9.	Total Domestic Water Requirement	3351 KLD
10.	STP Capacity and Technology	3000 KLD
11.	Stormwater Management	4 Water bodies
12.	Parking Proposed	8,097ECS
13.	Solid Waste Generation	27,761.58 kg/day
14.	Total Power Requirement	For Phase-1A- 5015 kVA, for Phase 1B-9082 kVA and for Phase 2&3- 11,500KVA and 12,000 kVA

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 27-5-2019 to present the TORs. The committee screened the proposal considering the information provided in the statutory application-Form I, Conceptual plan and clarification/additional information provided during the meeting. 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.

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 utilize 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 along with layout, efficiency of panels, and cost estimation.

6) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
7) 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.
8) To submit the Details of trees to be felled and the scheme for development of green belt around the reserved forest all around the project site with the number and kind of tree species as per the norms.
9) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
10) ECBC norms to be fully complied with for design and choice of equipments. Simulation modeling studies to be conducted and quantify the energy savings. Indicate the energy utilization intensity (KWH/year/BUA), bench mark this value for similar commercial buildings.
11) 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.
12) 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.
13) Provide baseline studies of indoor air quality at each floor level and basement of other commercial buildings developed by the proponent. Detail the measures to monitor indoor air quality during operation phase.
14) The NOC from the Airport authority regarding the height of the building permitted may be obtained and submitted.
15) Ground Water analysis shall be conducted for heavy metal parameters such as Mercury, Lead, Cadmium, & Uranium also.
16) The proponent to submit the list of flora and fauna found in the study area of 10 KM radius, if there are any Schedule-I fauna and RET species, the proponent to come up with suitable wildlife forest conservation plan prepared in consultation with forest authorities along with budget back up to be carried out in a time bound schedule.

Accordingly TORs were issued on 25-07-2019. The proponent has submitted the EIA report vide letter dated:11-12-2019. The same was placed before 238th SEAC meeting for EIA appraisal.

The proponent and consultant attended 238th SEAC meeting held on 22-01-2020 for EIA appraisal.

As per the records no study has been carried out in respect of the following aspects. 1) Ground water potential has not been surveyed and computed. 2) Waste to energy option has not been exercised. 3) Surface hydrology studies to assess the runoff and to know adequacy of the carrying capacity of the nala has not been done. 4) Existing trees in the project site has not been listed species wise and number wise. 5) List of trees species wise and number wise proposed to be translocated and cut. 6) List of proposed trees species wise and number wise for greenery and green belt. 7) Flora and fauna in 10KM study area is not carried out and same as need to classified as per IUCN and wildlife protection act 1972 if there are schedule -I fauna wildlife protection plan is to be prepared in consultation with forest officers and submit. 8) Land use and land cover map needs to be revised.

For these issues the proponent and consultant have agreed to comeback after rectifying above issues by weeks time and the committee decided to list the project on priority in next meeting. Hence the committee decided to defer the project.

In continuation of the appraisal made during 235th SEAC meeting the proponent and consultant attended the 239th meeting held on 12-02-2020 for appraisal.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information and EIA report provided during the meeting.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the above and 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) Only registered labours should be employed.
4) 20% eco friendly materials to be used for construction.
5) Sub metering for water consumption to be installed.
6) Bio-Degradable waste plant to be installed.

7) Implementation of the Bio diversity action plan by approving from the concerned Forest Deparment.

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

Secretary, SEAC
Karnataka

Chairman, SEAC
Karnataka