

Minutes of 584th SEAC-1 Meeting Dated 22/10/2021

The 584th meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 22/10/2021. Following members participated in the meeting:

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|----|-----------------------------|----------------------------|
| 1. | Shri Rajive Kumar, | Chairman, SEAC-1 |
| 2. | Shri Om Prakash Srivastava, | Member, SEAC-1(Virtually) |
| 3. | Dr. Brij Bihari Awasthi, | Member, SEAC-1 |
| 4. | Shri Umesh Chandra Sharma, | Member, SEAC-1 (Virtually) |
| 5. | Dr. Ratan Kar, | Member, SEAC-1 |

The Chairman welcomed the members to the 584th SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal officer, SEAC-1 informed the committee that the agenda has been approved by the Member Secretary, SEAC-1/Director Environment. Nodal officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

1. **Stone Mining at Gata No.-1033, at Village- Makarbai, Tehsil & District -Mahoba, U.P. Shri Rita Purwar., Area-0.809 ha. File No. 6461/Proposal No. SIA/UP/MIN/221259/2021**

RESOLUTION AGAINST AGENDA NO-01

The project proponent/consultant did not appear. The committee discussed and deliberated that project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

2. **Stone Mining at Gata No.- 93, Khand No.- 23, Village- Bari, Mahoba., M/s Bindu and Ram Construction Company,Area: 1.012 Ha. File No. 6463/Proposal No. SIA/UP/MIN/64689/2021**

RESOLUTION AGAINST AGENDA NO-02

The project proponent/consultant did not appear. The committee discussed and deliberated that project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

3. **Stone Mining at Arazi No.-180/2, SI No.- 03, Village- Bhagautidei, Tehsil-Chunar, Mirzapur,Shri Rajesh Bhai Patel, Area 1.01 ha. File No. 6466/Proposal No. SIA/UP/MIN/66091/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The terms of reference is sought for Bhagautidei Building Stone (Sandstone) Mining project at Arazi No. 180/2, Sl. No. 03, Village- Bhagautidei, Tehsil- Chunar, District- Mirzapur, U.P.,

(Leased Area 1.01 ha).

2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/66091/2021		
2. File No. allotted by SEIAA, UP	6466		
3. Name of Proponent	M/s RBP Industries Pvt. Ltd., Prop: Shri Rajesh Bhai Patel S/o Shri Jagdish Singh		
4. Full correspondence address of proponent and mobile No.	R/o Ramrasahi, Patihata, District- Mirzapur, (U.P.)		
	Mobile No-		
	Email-		
5. Name of Project	Bhagautidei Building Stone (Sandstone) Mining project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 180/2, Sl. No. 03		
7. Name of River	-		
8. Name of Village	Bhagautidei		
9. Tehsil	Chunar		
10. District	Mirzapur		
11. Name of Minor Mineral	Building Stone (Sandstone)		
12. Sanctioned Lease Area (in Ha.)	1.01 ha		
13. Max & Min mRL within lease area	Max- 118.0 mRL & 103.0 mRL		
14. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25° 2'50.50"N	82°58'38.30"E
	B	25° 2'50.30"N	82°58'40.60"E
	C	25° 2'45.60"N	82°58'40.10"E
	D	25° 2'45.40"N	82°58'37.60"E
15. Total Geological Reserves	576022.5 Cum		
16. Total Mineable Reserves in LOI	10,100 Cum/year		
17. Total Proposed Production	10,100 Cum/year		
18. Proposed Production/year	10,100 cum		
19. Sanctioned Period of Mine lease	Maximum 20 years		
20. Production of mine/day	38.84		
21. Method of Mining	Open Cast Semi-mechanized Method		
22. No. of working days	260 days		
23. Working hours/day	8 hrs		
24. No. of workers	28		
25. No. of vehicles movement/day	6		
26. Type of Land	Government waste land		
27. Ultimate Depth of Mining	24		
28. Nearest metalled road from site	0.8 km		
29. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.28
	For toilets		0.28
	Suppression of dust		6.50
	Plantation		2.02
	Others (if any)		-
	Total		9.08
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= 03-02-2022		
31. Any litigation pending against the project	No		

or land in any court	
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified
33. Details of Lease Area in approved DSR	Yes, given in the DSR
34. Proposed CER cost	Rs 1,34,000/-
35. Proposed EMP cost	Capital Cost-Rs 12,12,000/- Recurring Cost- 3,82,000/-
36. Length and breadth of Haul Road	Length: 541 km, width: 6 m
37. No. of Trees to be Planted	1010 plants

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-03

The remaining committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated the following additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site
4. **Stone Mining at Gata No.-1939, Village- Paharra, Tehsil & District- Mahoba, U.P. Shri Kalyan Singh., Area-1.21 ha. File No. 6482/Proposal No. SIA/UP/MIN/65883/2021**

RESOLUTION AGAINST AGENDA NO-04

The project proponent/consultant did not appear. The committee discussed and deliberated that project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

5. **Stone Mining at Khasra No.-201, Khand No.-04, Village- Khairo, Tehsil-Grautha, Jhansi., M/s Sushil Stone Gramodhyog, Area-2.428 ha. File No. 6488/Proposal No. SIA/UP/MIN/65057/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Earth Vision India Associate Consultants, Lucknow, U.P. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The terms of reference is sought for Stone Mining at Khasra No.-201, Khand No.-04, Village- Khairo, Tehsil-Grautha, Jhansi, U.P., (Leased Area-2.428 ha.), M/s Sushil Stone Gramodhyog.
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/65057/2021
2.	File No. allotted by SEIAA, UP	6488

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3.	Name of Proponent	M/S SUSHIL STONE GRAMODHYOG PROP-SHRI SUSHIL KUMAR GUPTA		
4.	Registered Address	R/O-A.M. 2/14, Veerangana Nagar, M.L. B. Medical College, Tehsil & District-Jhansi (U.P).		
5.	Full correspondence address of proponent and mobile no.	R/O-A.M. 2/14, Veerangana Nagar, M.L. B. Medical College, Tehsil & District-Jhansi (U.P).		
6.	Name of Project	Building Stone (Khanda, Gitti, Boulder) Mining Project		
7.	Project location Khasra No	201 kahnd no.04		
8.	Name of Village	Khairo		
9.	Tehsil	Garautha		
10.	District	Jhansi, Uttar Pradesh		
11.	Name of Minor Mineral	Building Stone (Khanda, Gitti, Boulder) Mining Project		
12.	Total Area (in Ha.)	2.428 Ha.		
13.	Mineable Area (in Ha.)	2.428Ha.		
14.	Pillar Coordinates (Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 35' 6.604"	79° 13' 43.597"
		B	25° 35' 11.821"	79° 13' 42.133"
		C	25° 35' 14.186"	79° 13' 46.438"
		D	25° 35' 7.823"	79° 13' 48.081"
15.	Period of Lease As per Loi	20 Year		
16.	Mine Plan approval details	Letter No. 621/m.plan/2016 dated 21-06-2018		
17.	Validity of Mine Plan	5 year from Execution of Lease Deed		
18.	Total Proposed Production	24280 Cubic Meter/ year		
19.	Proposed Production/Day	101 M ³		
20.	Method of Mining	Opencast Semi Mechanized		
21.	No. of workers	27 Workers		
22.	Type of Land	Waste Land		
23.	Ultimate Depth of Mining	18 m		
24.	Water Requirement		Purpose	Detail
		Portable Tanker	Drinking@13 lpcd/worker	27 workers x 13 lpcd = 351 lpcd
			Mine operation/others	-
			Land reclamation / plantation @5 Lit/Tree	50 Trees x 5 lpcd = 250 lpcd
			Dust suppression @4Lit/Sq.m (Twice in a day)	Haul Road Area = (100 m Length x 6m Width = 600 m ²) x lpcd/Sq.m = 2400 lpcd
		Total		5 KLD
25.	Name of QCI Accredited Consultant with QCI No and period of validity	EARTH VISION INDIA ASSOCIATE CONSULTANTS Certificate No. NABET/EIA/2124/IA0077, Valid Till: Feb 24, 2024		
26.	Any litigation pending against the	No		

	project or land in any court	
27.	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, migration	None
28.	Areas occupied by sensitive manmade land uses (hospitals, schools, places of worship, community facilities)	Hospital: Community Health Centre, Moth Aprox. 16.60 Km, NE School: S.V.M. Inter College, Chirgaon -9 Km,SW
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 877/30MMC/2020-21 Dated 31.08.2020
30.	Proposed CER cost	Rs 3.568Lakhs
31.	Proposed EMP cost	Rs. 7.75 Lakhs
32.	No. of Trees to be Planted.	500 per year
33.	Detail of CTE/CTO issued by UPPCB	NA

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-05

The remaining committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated the following additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site

6. Stone Mining at Gata No.-615 Mi, 692/615 Mi, Village-Sahira, Tehsil-Lalganj, Mirzapur. Shri Rajendra Kumar Singh, Area-2.02 ha. File No. 6542/Proposal No. SIA/UP/MIN/ 64303/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P). The proponent, through the documents submitted and the presentation made informed the committee that:

1. The terms of reference is sought for Stone Mining at Gata No.-615 Mi, 692/615 Mi, Village-Sahira, Tehsil-Lalganj, Mirzapur, U.P. (Leased Area-2.02 ha.).
2. Salient features of the project as submitted by the project proponent:

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1. On-line proposal No.	SIA/UP/MIN/64303/2021		
2. File No. allotted by SEIAA, UP	6542		
3. Name of Proponent	Shri Rajendra Kumar Singh S/O Shri Ram Dhawan Singh		
4. Full correspondence address of proponent and mobile no.	R/o-153 Ward No 6, Chopan Road, Parshoi, Obra, Sonbhadra, (U.P.). -231219		
5. Name of Project	Building Stone (Sand Stone)Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 615MI, 692/615MI		
7. Name of River	NA		
8. Name of Village	Sahira		
9. Tehsil	Lalganj		
10. District	Mirzapur (U.P)		
11. Name of Minor Mineral	Building Stone (Sand Stone)Mining Project		
12. Sanctioned Lease Area (in Ha.)	2.02 Ha.		
13. Mineable Area (in Ha.)	1.5806 ha.(Safety area 0.4394 Ha)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum mRL 151 mRL Minimum mRL 149 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°03'28.7" N	82°20'28.2" E
	B	25°03'33.9" N	82°20'29.2" E
	C	25°03'34.0" N	82°20'21.7" E
	D	25°03'27.9" N	82°20'26.8" E
17. Total Geological Reserves	5,38,526.54 m ³		
18. Total Mineable Reserves	20,200 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	1,02,062 m ³		
20. Proposed Production/year	20,200 m ³ per year		
21. Sanctioned Period of Mine lease	10 Year		
22. Production of mine/day	73.45 m ³ /day		
23. Method of Mining	Open cast, semi-mechanized		
24. No. of working days	275		
25. Working hours/day	8 hours/day		
26. No. Of workers	19		
27. No. Of vehicles movement/day	6-10 Vehicles movement/day		
28. Type of Land	Building Stone (Sand Stone)Mining Project		
29. Ultimate Depth of Mining	6 m		
30. Nearest metalled road from site	NH-7 about 3.10 km towards South direction from the project site.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.29 KLD	
	Suppression of dust	7.20 KLD	
	Plantation	1.996 KLD	
	Others (if any)	-	
	Total	9.5 KLD Approx.	
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/EIA/1922/RA0200 and valid up to 30 Dec. 2022		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate	Letter No. - 1506/Khanij/2021 date 02/09/2021		

issued by Mining Officer	
35. Details of Lease Area in approved DSR	
36. Proposed EMP cost	Rs 36,79,990/-
37. Total Project cost	Rs. 85,00,000
38. Length and breadth of Haul Road	300 m length and 6.0 m width
39. No. of Trees to be Planted	998

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-06

The remaining committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated the following additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site
7. **Group Housing "Metro City" at Khasra No.- 827, 828, 829 & 835 Village- Ganeshpur, Shivpur, Tehsil-Sadar, Varanasi, U.P., M/s Kartikey Developers. File No. 6471/Proposal No. SIA/UP/MIS/222411/2021**

RESOLUTION AGAINST AGENDA NO-07

The project proponent/consultant did not appear. The committee discussed and deliberated that project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

8. **Establishment of Molasses/Cane Juice/Grain based Multi-feed distillery having Capacity: 75 KLD Ethanol along with 2.50 MW Cogeneration Power Plant and Cane Crushing Unit at Village-Vela, Post-Kodaura, Mahmoodabad, Sitapur., M/s Neel Shree Sugar Pvt. Ltd. File No. 6484/Proposal No. SIA/UP/IND2/66183/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The terms of reference is sought for Establishment of Molasses/Cane Juice/Grain based Multi-feed distillery having Capacity: 75 KLD Ethanol along with 2.50 MW Cogeneration Power Plant and Cane Crushing Unit at Village-Vela, Post-Kodaura, Mahmoodabad, Sitapur., M/s Neel Shree Sugar Pvt. Ltd.
2. Location and environmental sensitivity details:

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Location	
Village	Vela
District	Sitapur
State	Uttar Pradesh
Latitude	27°25'24.64"N
Longitude	81°15'37.72"E
Elevation	113 m
National Highway/State Highway/MDR	MDR79C: 3.82 Km (NW) State Highway: 30B: 14 Km (N)
Nearest Railway Station	Sarayan Railway Station: 21 Km (SW) Mahmudabad Avadh Railway Station: 22 Km (SW) Biswan Railway station: 27 Km (NW)
Nearest Airport	Chaudhary Charan Singh International Airport: 86 Km (SW)
Tourist Places	Nil (Within 15 kms of study area)
Archaeological important places	Nil (Within 15 kms of study area)
Areas which are important or sensitive for ecological reasons – wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.	Nil (Within 15 kms of study area)
Reserved Forest	Nil (Within 15 kms of study area)
Nearest Major City with 200000 population	Sitapur: 59.58 km (NW)
Village within 2km Radius surrounding the project.	Vela: 0.51 Km (S) Rajapur Israuli: 1.14 Km (SE) Kodahi: 1.57 Km (SSW) Dhamaura: 1.79 Km (SW)
Nearest River	Ull/Kewani River: 0.60 km (SW) Ghaghra River: 9.07 Km (E) Local Drain: 0.29 Km (E)
Soil Type	Sandy Loam
Seismic Zone	Seismic Zone-IV

3. Salient features of the project as submitted by the project proponent:

S. No.	Item	Details
1.	Name of the Project	M/S NEELSHREE SUGAR PVT. LTD.
2.	Location of the Project	Village- Vela, Post- Kodaura, Tehsil- Mahmudabad, district- Sitapur, Uttar Pradesh.
3.	Category of Projects	Category “B” and Schedule – 5(g)
4.	Total Project Area	80900.00 m ²
5.	Green Belt	26697.00 m ² (33 % of Total Project area)
6.	Proposed Capacity of Distillery	Molasses/Cane Juice/Grains based multi-feed Distillery having capacity 75 KLPD ethanol along with 2.50 MW of Cogeneration Power Plant. Sugar crushing unit (1000 TCD) is also proposed to supply cane juice to own distillery
7.	Product	Production of Ethanol in line with Ethanol Blended Petrol (EBP) Programme – target of 20% of Ethanol Blending in Petrol by 2030. Main Product: Ethanol production from sugarcane juice and grain (broken rice) By products: Bagasse, MUD and DDGS In the sugarcane season, bagasse will be used for captive consumption

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		for power generation purpose.	
8.	Raw Material (Quantity)	The raw materials proposed for the project are sugarcane and grains (broken rice).	
9.	Boiler	1 No. (25 TPH)	
10.	Power Requirement	2.5 MW	
11	Fresh Water Requirement	Industrial use : 750 KLD Domestic use: 20 KLD Total Water Requirement : 770 KLD	
12.	Source of water and area categorization as per CGWA	SOURCE: Ground water (from Tube well) AS PER CGWA CATEGORIZATION ; UNIT LIES IN “SAFE AREA”	
13.	Waste water discharge	Zero liquid discharge	
14.	Number of working days	330 days/annum	
15.	Waste Water Treatment	UASB Reactor and Multi-Effect Evaporation (MEE)	
16.	Air Pollution Control Device	Wet Scrubber, Cyclone and Bag Filter	
17.	Nos. of Stack	1 No. of Stack	
18.	Total Project Cost	112.20 Crore	
19.	Cost towards Corporate Social Responsibility (CSR)	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR 129 (E).	
20.	Cost towards CER	The proposed CER Cost is 2.28 Crores @1.5% of capital investment), as per office memorandum no. F. No. 22-65/2017-IA.III dated 1st May 2018 as project is green field (New Distillery Project).	
21	Waste water treatment strategy	Distillery - 75 KLD Molasses or Cane Juice based (Mode - 1): Effluent in the form of spent wash will be 750 KLD	MEE followed by Incineration (Slop fired Boiler) It will be treated concentrated in Multi effect evaporation and then concentrate from MEE will be utilized in Incineration fired boiler of capacity 35 TPH as a fuel along with bagasse/other biomass/ coal.
		Distillery 75 KLD Grain Based (Mode – 2): Effluent in the form of spent wash will be 680 KLD	It will be sent through separation of suspended solids in Decanter Centrifuge, part Thin Slops (608 KLD), out of total thin slop 244 KLD recycle to Liquefaction and rest 364 KLD are concentrated in Multi-effect evaporators to form a Thick (Protein) Syrup (47 KLD), which is mixed with the Wet Cake DWG (72T) separated earlier from Decanters.
		For Domestic waste	Estimated domestic effluent will be 12 m3/d, which will be treated separately in Sewage treatment plant

4. Solid waste generation details:

S.No.	Waste	Mode -1	Mode – 2	Uses / Disposal
1	Total Ash	50 MT/Day	55 MT/Day	Due to high potash content will be used as manure.
2	Yeast Sludge	10.0 MT/Day	11 MT/Day	Will be mixed with press mud of Sugar mill and sold to the farmer.

3	Condensate polishing unit sludge	1.5 KLD	2.0 KLD	Will be mixed with press mud of Sugar mill and sold to the farmer.
4	Cattle Feed DDGS	Nil	36MT/Day	Will be sold as cattle feed.
During the use of coal: Mode - 1: Ash Generation will be 75 TPD will be used in Land filling. Mode - 2: Ash generation will be 63 TPD will be provided to brick manufacturer / Cement Industry.				

5. The project proposal falls under category 5(g) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-08

The committee discussed the matter and recommended to issue the standard terms of reference (TOR) for the preparation of EIA regarding the project as follows:

- I. Executive Summary.
- II. Introduction:
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project.
- III. Project Description:
 - i. Cost of project and time of completion.
 - ii. Products with capacities for the proposed project.
 - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
 - iv. List of raw materials required and their source along with mode of transportation.
 - v. Other chemicals and materials required with quantities and storage capacities
 - vi. Details of Emission, effluents, hazardous waste generation and their management.
 - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, manpower requirement (regular and contract)
 - viii. Process description along with major equipment and machineries, process flow sheet (quantative) from raw material to products to be provided
 - ix. Hazard identification and details of proposed safety systems.
 - x. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
- IV. Site Details:
 - i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
 - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)

- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.
- V. Forest and wildlife related issues (if applicable):
 - i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
 - ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
 - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon
 - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
 - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- VI. Environmental Status:
 - i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based on CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
 - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
 - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.

- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area

VII. Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

VIII. Occupational health:

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

IX. Corporate Environment Policy:

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

X. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

XI. Enterprise Social Commitment (ESC):

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

XII. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

XIII. A tabular chart with index for point wise compliance of above TOR.

A. Specific Terms of Reference for EIA studies for distilleries:

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses/grains, their source with availability.
4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.

9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

9. Proposed of Setting Up of a Grain Based Distillery of Capacity 100 KLD (ccl Unit-2) for Ethanol Production with ZLD Under Ethanol Blended Petrol Programmed of GOI at Village-Tapri, Saharanpur, Shri Manoj Kumar Singh. File No. 6492/Proposal No. SIA/UP/IND2/224029/2021

RESOLUTION AGAINST AGENDA NO-09

The project proponent/consultant did not appear. The committee discussed and deliberated that project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

10. UP Defence Industrial Corridor at Village Sarh, Tehsil: Narwal, Kanpur Nagar., M/s Uttar Pradesh Expressways Industrial Development Authority (UPEIDA). File No. 6573/Proposal No. SIA/UP/NCP/66749/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s EQMS Global Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The terms of reference is sought for Proposed “UP Defence Industrial Corridor” at Village Sarh Tehsil Narwal District Kanpur Nagar, Uttar Pradesh M/s Uttar Pradesh Expressways Industrial Development Authority (UPEIDA).
2. As per the GO no. 329/77-3-20-158 (m)/2018 dated 19.03.2020 issued by Industrial Development Department-3, GoUP, six Nodes in the Districts of Jhansi, Chitrakoot, Lucknow, Aligarh, Agra, and Kanpur Nagar have been identified for the purpose of setting up of Defence Industrial Corridor in Uttar Pradesh.
3. The proposed site is for the development of UP Defence Industrial Corridor spread over an area of 213.5304 ha.
4. The total area for Industrial Estate is less than 500 ha, the project will come under activity listed at Serial no. 7(c) (Industrial Estates/Parks/complexes/areas, export processing zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes) under Category B (Industrial estates housing at least one Category B industry and area <500 ha.) in the Schedule of EIA Notification 2006 and subsequent amendments.
5. The expected Cost of the proposed project shall be around Rs 385.54 Crores.
6. The proposed project is an industrial area development which will have multiple engineering industries and secondary metallurgical industries involving furnace may have capacity more than

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30000 tonnes per annum (TPA) which will be Category B industries 3(a) i.e secondary metallurgical processing industry as per EIA notification 2006 and amended thereof.

7. Salient features of the project as submitted by the project proponent:

S.no	Particulars	Unit	Details
1	Project Cost	Rs.	385.54 Crores
AREA DETAILS			
2	Total Plot Area	m ²	2135304 (213.5304 ha.)
3	Common Road Area (to be developed by UPEIDA) – (A)	m ²	243638.19 (11.41% of total plot area)
4	Area under services and common infrastructure	m ²	118200
5	Common Green Area (to be developed by UPEIDA) –(B)	m ²	213530.40 (10 % of total plot area)
5	Total Plotted Area	m ²	1560000
6	Ground Coverage (Permissible) (55%)	m ²	858000
7	Permissible FAR (1)	m ²	1560000
8	Non-FAR Area/ Service Area (0.15)	m ²	234000
9	Built up area (FAR + Non-FAR)	m ²	1794000
10	Parking –(C)	No	15600
11	Open Area (including Roads)	m ²	457169
12	Green Area (25% of open area- In accordance with UPSIDA Land Development & Building Regulations, 2018) – (D)	m ²	53383
POPULATION/EMPLOYMENT			
13	Staff (@20 persons per 1000 m ²)	Nos.	31200
14	Visitor (20% additional)	Nos.	6240
15	Total Population	Nos.	37440
SERVICE DETAILS & ENVIRONMENTAL ASPECTS			
16	Total Water Requirement	KLD	6625
17	Fresh Water Requirement	KLD	5311 Industrial Purpose - 4625 Domestic-686,
18	Domestic Wastewater Generation	KLD	1423
19	Wastewater Treatment Schemes	KLD	STP-1500 MBBR Technology
20	Treated Water Available	KLD	1280
21	Effluent Generation	KLD	2313
22	Power Requirement	MW	100 (Source : UPPCL)
23	Power Backup	KVA	2x125 DG Sets

8. Land use details:

Particular	Area (Sqm)	Area (acre)	Area (ha)	%
Plotted area	1560000	385.48	156.0000	73.06
Open Area	213530	52.76	21.3530	10.00
Common Service and Infrastructure	118200	29.21	11.8200	5.54
Common Road Area	243638	60.20	24.3638	11.41
Total Plot Area (A)	2135369	527.66	213.5	100.00

9. List of proposed industries comes under the defence corridor area:

- Small Arms and Ammunitions
- Specialized Clothing, Tents
- Parachutes and related items
- High precision metal components
- Material for Bullet proof jackets
- Leather and rubber parts
- Specialized Motors
- Electronics Components
- Drones
- Explosives and detonators
- Mines (Devices)
- Satellite terminals
- CBRN decontamination and protection system
- Specialized batteries
- Armoured Fighting Vehicles
- Multipurpose Grenades
- Electronics fused for artillery ammunition
- EW systems
- Specialized packaging for defence
- Defence testing labs
- Optical Equipment's
- Laser Guided equipment's
- Communication equipment's
- Plastic Components

10. Water requirement details:

- **During Construction Phase:** Approximately 16 KLD (Domestic- 11 KLD and Construction purpose- 5 KLD) of water will be required out of which fresh water for Domestic purpose will be met through ground water/tanker supply and construction water requirement will be met through treated water from in-house modular STP.
- **During Operation phase:** The approximate water requirement will be 6625 KLD which will be met from Ground water and recycled water. Fresh water requirement will be 5311 KLD (Domestic- 686 KLD Industrial-4625 KLD) before prior permission from Ground Water Department, Ministry of Jal Shakti Government of Uttar Pradesh.

Particulars	Quantity	Factor	Total Water Requirement (in KLD)	Domestic Requirement (in KLD)	Flushing Requirement (in KLD)	Wastewater (in KLD)
Staff	31200	45	1404	624	780	
Visitors	6240	25	156	62	94	
Sub-total			1560	686	874	
Wastewater				549	874	1423
Industrial Water	385.484 acres	12 KLD/acre	4625			2313
Landscaping	217200 m ²	1.5 L/m ²	320			0

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Misc.			20			
Total Water			6625	686	874	3736

11. Solid waste generation details:

Category	Capacity	Standard-Kg/day	Total Waste-	Biodegradable Waste	Non-Biodegradable Waste kg/day
			kg/day	kg/day	
Domestic Waste					
Staff	31200	0.3	9360	3744	5616
Visitor	6240	0.15	936	374	562
Landscaping		0.2 Kg/acre	11	11	
Total Municipal Waste			10307	4129	6178
STP Sludge			40 kg/day		

12. Other waste details:

S. No.	Category of Waste	Quantity	Disposal	Applicable Rule
1	Biodegradable Waste	4129 Kg/day	Common Waste Management Facility	Solid Waste Management Rules, 2016
2	Non-Biodegradable waste (A+B)	6178 Kg/day	Shall be given to Approved Recycler as per applicable Rule	Solid Waste Management Rules, 2016
A	Plastic Waste	3089 Kg/day		Plastic Waste Management Rules, 2016
B	Other Waste	3089 Kg/day		Solid Waste Management Rules, 2016
3	E-Waste	5 Kg/day		E-Waste (Handling & Management) Rules, 2018

13. The project proposal falls under category-7(c) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-10

The committee discussed the matter and recommended to issue following terms of reference (TOR) for the preparation of Environment Impact Assessment (EIA) report:

1. The project proponent will take water conservation measures like reuse/recycle of treated waste water with ZLD concept.
2. Rain water harvesting recharging and other suitable water conservation measure to reduce the use of fresh water. Flow measuring devices of various components and their monitoring shall be incorporated.
3. Air, Water, Noise, Soil monitoring and surveillance protocol shall be given.
4. Prospective rolls and responsibility matrix for preventing and controlling the pollution shall be given by project proponent.
5. The project proponent shall study the displacement of humans, wildlife/bird, if any and accordingly their rehabilitation and resettlement plan shall be given.
6. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damage, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.

7. Submit the details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
8. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
9. Examine the impact of proposed project on the nearest settlements.
10. Examine baseline environmental quality along with projected incremental load due to the project taking into account of the existing developments nearby.
11. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
12. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area, and any obstruction of the same by the project.
13. Details regarding project boundary passing through any eco- sensitive area and within 10 km from eco- sensitive area.
14. Green buffer in the form of green belt to a width of 15 meters should be provided all along the periphery of the industrial area. The individual units should keep 33% of the allotted area as a green area.
15. Submit the details of the trees to be felled for the project.
16. Submit the details of the infrastructure to be developed.
17. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
18. Submit details regarding R&R involved in the project.
19. Zoning of the area in terms of 'type of industries' coming-up in the industrial area based on the resource requirement along with likely pollutants with quantity from the various industries.
20. The project boundary area and study area for which the base line data is generated should be indicated through a suitable map. Justification of the parameters, frequency and locations shall be discussed in the EIA.
21. Submit Legal frame work for the implementation of Environmental Clearance conditions - to be clearly spelt out in the EIA report.
22. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
23. Site justification of the identified industry sectors from environmental angle and the details of the studies conducted if any.
24. Ground water classification as per the Central Ground Water Authority.
25. Submit the source of water, requirement vis-à-vis waste water to be generated along with treatment facilities, use of treated waste water along with water balance chart taking into account all forms of water use and management.
26. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
27. Examine soil characteristics and depth of ground water table for rainwater harvesting.
28. Examine details of solid waste generation treatment and its disposal.
29. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption.
30. In case DG sets are likely to be used during construction and operational phase of the project, emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
31. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.

32. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
33. Examine the details of transport of materials for construction which should include source and availability.
34. Examine the details of National Highways/State Highways/ expressways falling along the corridor and the impact of the development on them.
35. Examine noise levels - present and future with noise abatement measures.
36. Identify, predict and assess the environmental and sociological impacts on account of the project. A detailed description with costs estimates of CSR should be incorporated in the EIA / EMP report.
37. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
38. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
39. The Public hearing should be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the TOR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
40. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
41. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
42. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
43. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Industrial Estate>".

11. Soil Excavation at Gata No.-379 & 391, located in Village-Ranpur, Tehsil-Bilari, District-Moradabad, Shri Yogesh Kumar., Area -1.0050 ha. File No. 6568/Proposal No. SIA/UP/MIN/228151/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Soil Excavation at Gata No.-379 & 391, located in Village-Ranpur, Tehsil-Bilari, District- Moradabad, U.P. (Leased Area -1.0050 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/228151/2021
2. File No. allotted by SEIAA, U.P	6568
3. Name of Proponent	Shri. Yogesh Kumar S/o- Shri. Param Singh
4. Full correspondence address of proponent	R/o- House No. E 10, Sector- 01, New Moradabad, Moradabad, U.P.- 244001
5. Name of Project	Ordinary Soil Excavation Project
6. Project location (Plot/Khasra/Gata No. / khand No.)	Gata No. – 379 & 391
7. Name of River	Ram Ganga River, 4.55Km towards North-East

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	direction from Project Site.		
8. Name of Village	Rampur Megan		
9. Tehsil	Bilari		
10. District	Moradabad, Uttar Pradesh.		
11. Name of Minor Mineral	Ordinary Soil Excavation Project		
12. Sanctioned Lease Area (in Ha.)	1.0050 Ha.		
13. Mineable Area (in Ha.)	0.9045 Ha.(Safety Margin 0.1005 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	194 mRL		
16. Pillar Coordinates (Verified by DMO)	Gata NO.	Points	GPS Coordinates Latitude Longitude
	379	A	28°44'22.23"N 78°47'13.33"E
		B	28°44'21.80"N 78°47'13.98"E
		C	28°44'18.06"N 78°47'13.32"E
		D	28°44'19.49"N 78°47'10.95"E
	391	E	28°44'17.81"N 78°47'10.68"E
		F	28°44'16.47"N 78°47'12.65"E
		G	28°44'14.36"N 78°47'11.07"E
		H	28°44'16.19"N 78°47'9.02"E
17. Total Geological Reserves	20,803.5 m ³		
18. Total Mineable Reserves	18,994.5 m ³ in Three months		
19. Total Proposed Production	18,994.5 m ³ in Three months as per Approved Mining plan		
20. Proposed Production/year	6331.67 m ³ / month approximately		
21. Sanctioned Period of Mine lease	3 months		
22. Production of mine/day	211.05 m ³ / day		
23. Method of Mining	Open Cast & Semi Mechanized and loading with the help of one excavator.		
24. No. of working days	90 days		
25. Working hours/day	8 hours/day		
26. No. Of workers	Approximately 15 workers		
27. No. Of vehicles movement/day	Approximately 12-13 movements per day		
28. Type of Land	Ordinary Soil Excavation Project		
29. Ultimate Depth of Mining	2.3 meter		
30. Nearest metalled road from site	NH- 43 is located at 0.62 km towards West direction & NH- 93 is about 0.64 km towards west direction.		
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.25
	Suppression of dust		4.32
	Plantation		0.01
	Others (if any)		-
	Total		4.58 KLD (5 KLD Approx.)
32. Name of QCI Accredited Consultant with QCI No And period of validity.	M/s Environmental Research and Analysis, Lucknow(U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 December,2022		
33. Any litigation pending against the project or land in any court	No		

34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 383/khanij/2021 on dated 20/09/2021
35. Details of Lease Area in approved DSR	NA
36. Proposed EMP cost	Rs. 1,20,600/-
37. Proposed Total Project cost	Rs. 6,50,000/-
38. Length and breadth of Haul Road	180 m length and 6 m width
39. No. of Trees to be Planted	10

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-11

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to these minutes.

12. Soil Excavation at Gata No.-757, Village- Kuroni, Tehsil- Sarojani Nagar, Lucknow, Ram Kishor Pal, area-0.7160 ha. File No. 6576/Proposal No. SIA/UP/MIN/225813/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Earthvision India Associate Consultants, Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Soil Excavation at Gata No.-757, Village- Kuroni, Tehsil- Sarojani Nagar, Lucknow, U.P. (Leased area-0.7160 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/225813/2021
2.	File No .allotted by SEIAA,UP	6576
3.	Name of Proponent	Shri Ram Kishore Pal S/o Shri Gangu
4.	Registered Address	Village- Kuroni, Tehsil-Sarojani Nagar, District- Lucknow, Uttar Pradesh.
5.	Full correspondence address of proponent and mobile no.	Village- Kuroni, Tehsil-Sarojani Nagar, District- Lucknow, Uttar Pradesh.
6.	Name of Project	Ordinary Soil Mining Project
7.	Project location Khasra No	Gata No. – 757
8.	Name of Village	Kuroni
9.	Tehsil	Sarojani Nagar
10.	District	Lucknow, Uttar Pradesh
11.	Name of Minor Mineral	Ordinary Soil
12.	Total Area (in Ha.)	0.7160 Ha.
13.	Mineable Area (in Ha.)	0.7160 Ha.

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14.	Pillar Coordinates (Verified by DMO)	Gata No.	Pillar	Latitude	Longitude
		757	A	26°41'38.24"N	80°50'50.13"E
			B	26°41'36.94"N	80°50'53.51"E
			C	26°41'34.08"N	80°50'52.28"E
			D	26°41'34.14"N	80°50'50.19"E
			E	26°41'35.07"N	80°50'48.79"E
15.	Period of agreement between Project proponent & Land Owner	3 Months			
16.	Mine Plan approval details	Letter No. 55@ofj0lgk0¼[kuu½@[k0;ks0@2021 Dated 13-08-2021 (attached as Annx-2)			
17.	Validity of Mine Plan	3 Months			
18.	Total Proposed Production	14996.05 M3			
19.	Proposed Production/Day	166.62 M3			
20.	Method of Mining	Opencast/ Semi Mechanized			
21.	No. of workers	10 Workers			
22.	Type of Land	Private Land			
23.	Ultimate Depth of Mining	2.50 m			
24.	Water Requirement	Source	Purpose	Details	Avg..Demand/Day
		Portable Tanker	Drinking & others @ 10 lpcd/ worker	10 workers x 0.03 lpcd	0.90 KLD
			Plantation @5 Lit/plant	30 sapling x 5	0.15 KLD
			Dust suppression @ 1 Lit/Sq.m	Houl Road Area= (530m Length x 6m Width) x 2 Time	6.36 KLD
		Total			6.81 KLD
25.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s Earthvision India Associate Consultants , QCI NABET/EIA/2124/IA 0077 Valid till 24.02.2024			
26.	Any litigation pending against the project or land in any court	No			
27.	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, migration	None			
28.	Areas occupied by sensitive manmade land uses (hospitals, schools, places of worship,	Hospital: Government Health Sub Centre Aprox. 2.83 KM SW School: Primary School, Gulab Kheda- 0.31 km NE			

	community facilities)	
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 02 Dated 13-08-2021 (Attached as Annx-1)
30.	Proposed CER cost	Rs. 31,900/-
31.	Proposed EMP cost	Rs. 90,000/-
32.	No. of Trees to be Planted.	30
33.	Detail of CTE/CTO issued by UPPCB	NA

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-12

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to these minutes.

13. Soil Mining at Gata No- 95, 79Ka, 79Kha Village-Chaurahiya, Tehsil-Mohanlalganj, Lucknow, Shri Sandeep Kumar Singh, M/s Ujjwal India Enterprises, area-0.56 ha. File No. 6588/Proposal No. SIA/UP/MIN/231033/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Proposed of Ordinary Soil Mining project at Gata No- 95, 79Ka, 79Kha Village-Chaurahiya, Tehsil-Mohanlalganj, District- Lucknow, U.P., M/s Ujjwal India Enterprises, Lease area-0.56 ha.
2. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/231033/2021
2.	File No. allotted by SEIAA, UP	6588
3.	Name of Proponent	M/s Ujjwal India Enterprises
4.	Full correspondence address of proponent and mobile no.	M/s Ujjwal India Enterprises Address- R/o-D-2226 Indra Nagar Lucknow U.P. Authorized Signatory Name & Address- Shri Sandeep Singh, H.No-198 Village Chaukiya Post & Tehsil Lambhuwa District-Sultanpur U.P.
5.	Name of Project	Ordinary Soil Excavation” Project M/s Ujjwal India Enterprises at Gata No.-95, 79Ka, 79Kha Village-Chaurahiya, Tehsil-

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		Mohanlalganj, District-Lucknow, Uttar Pradesh. (Area:0.5600 Ha.).	
6.	Project Location (Plot.Khsra/Gata/Araji No.)	Gata No.– 95, 79Ka, 79Kha	
7.	Name of Village	Chaurahiya,	
8.	Tehsil	Mohanlalganj	
9.	District	Lucknow	
10.	Name of Minor Mineral	Ordinary Soil Excavation	
11.	Sanctioned Lease Area (in Ha.)	0.5600 Ha	
12.	Max. & Min mRL within lease area	110.00 mRL & 103.00 mRL	
13.	Pillar Coordinates (Verified by DMO)	GATA NO.	95
		A	26°48'57.95"N 81°3'36.57"E
		B	26°48'59.22"N 81°3'37.39"E
		C	26°48'58.47"N 81°3'39.17"E
		D	26°48'57.21"N 81°3'38.63"E
		E	26°48'56.95"N 81°3'38.48"E
		GATA NO.	79Ka & 79Kha
		A	26°49'5.76"N 81°3'39.35"E
		B	26°49'6.32"N 81°3'39.75"E
		C	26°49'7.50"N 81°3'38.17"E
		D	26°49'4.92"N 81°3'36.73"E
		E	26°49'4.70"N 81°3'37.08"E
		F	26°49'6.39"N 81°3'38.42"E
14.	Total Geological Reserves	14000 m ³ (3 month)	
15.	Total Mineable Reserve in LOI	11308.14 m ³ (3 month)	
16.	Total Proposed Production in LOI	11308.14 m ³ (3 month)	
17.	Total Proposed Production in 3months	11308.14 m ³	
18.	Sanctioned Period of Mine lease	3 months	
19.	Production of mine/day	126 m ³	
20.	Method of Mining	Open cast Manual/ Semi Mechanized Mining	
21.	No. of working days	90 Days	
22.	Working hours/day	8 Hours	
23.	No. of worker	20 Workers	
24.	No. of vehicles movement/day	14 Trucks / Day (Depending on market demand)	
25.	Type of Land	Pvt. Land (Uneven Agricultural Land)	
26.	Ultimate of Depth of Mining	2.5 m	
27.	Nearest metallled road from site	1.1Km	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.20 KLD
		Suppression of dust	4.38 KLD
		Plantation	0.1KLD
		Others (if any)	
		Total	4.68 KLD (Approx. 5.00 KLD)

29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-10-2021
30.	Any litigation pending against the project or land in any court	No
31.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No-05 Date-18.9.2021
32.	Proposed CER cost	2% of total project cost i.e. Rs.36260
33.	Proposed EMP cost	2.98 Lakhs
34.	Length and breadth of Haul Road	730 mt Length & 6m width haulage road
35.	No. of Trees to be Planted	25 Trees

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-13

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to these minutes.

14. Ordinary Earth Excavation Mining at Gata No.-602, 62/1, Villag-Shivpuri, Tehsil-Bakshi ka Talab, Lucknow, Shri Subhanshu Pratap Singh, M/s Shree Balaji Infratech and Developer, Area: 1.804 ha. File No. 6598/Proposal No. SIA/UP/MIN/230803/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Ordinary Earth Excavation Mining at Gata No.-602, 62/1, Villag-Shivpuri, Tehsil-Bakshi ka Talab, Lucknow, U.P., (Leased Area: 1.804 ha.), M/s Shree Balaji Infratech and Developer.
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/230803/2021
2.	File No. allotted by SEIAA, UP	6598
3.	Name of Proponent	Subhanshu Pratap Singh
4.	Full correspondence address of proponent and mobile no.	Shree Balaji Infratech and Developer Proprietor Shubhanshu Pratap Singh S/o Shri Sanjay Kumar Singh Niwasi: 13, Bhola Bihar Colony, Sitapur Road

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		Madiyav, Tehsil- Bakshi ka Talab, District- Lucknow, Uttar Pradesh.			
		Mobile no. – 9450887872			
		E mail ID - singhandcompanyup@gmail.com			
5.	Project Location (Plot. Khasra/Gata No.)	Gata No. –602 & 62/1, Area 1.804 ha (4.44 Acres) at Village – Shivpuri Tehsil & District - Lucknow, Uttar Pradesh..			
6.	Name of River	Gomti River 3.0 km Far			
7.	Name of Village	Village – Shivpuri Tehsil & District – Lucknow , Uttar Pradesh.			
8.	Tehsil	Bakshi Ka Talab			
9.	District	Lucknow			
10.	Name of Minor Mineral	Simple soil mining			
11.	Sanctioned Lease Area (in Ha.)	1.804 ha			
12.	Max. & Min mRL within lease area	The highest level is 117 mRL The lowest level is 115.5 mRL			
13.	Pillar Coordinates (Verified by DMO)	Gata	Pillar	Latitude	Longitude
		62/1	A	27° 2'56.39"N	80°52'13.90"E
			B	27° 2'59.30"N	80°52'15.96"E
			C	27° 2'58.87"N	80°52'16.78"E
			D	27° 2'59.02"N	80°52'16.91"E
			E	27° 2'58.92"N	80°52'17.16"E
			F	27° 2'58.14"N	80°52'17.42"E
			G	27° 2'55.53"N	80°52'20.48"E
			H	27° 2'53.58"N	80°52'18.54"E
			I	27° 2'56.07"N	80°52'15.94"E
			J	27° 2'55.91"N	80°52'15.27"E
		602	A	27° 2'55.48"N	80°52'20.48"E
			B	27° 2'54.77"N	80°52'21.19"E
			C	27° 2'54.40"N	80°52'20.82"E
			D	27° 2'53.98"N	80°52'21.31"E
			E	27° 2'53.00"N	80°52'19.97"E
			F	27° 2'53.34"N	80°52'19.75"E
			G	27° 2'52.93"N	80°52'18.88"E
H	27° 2'53.35"N		80°52'18.34"E		
14.	Total Geological Reserves	43,296 m ³			
15.	Total Mineable Reserve	35,319 m ³			
16.	Total Proposed Production	35,319 m ³ (3.0 Months)			
17.	Proposed Production /year (as per LoI)	35,319 m ³ (3.0 Months)			
18.	Sanctioned Period of Mine lease	0.3 years			
19.	Production of mine/day	1177 m ³ /day			
20.	Method of Mining	Semi Mechanized			
21.	No. of working days	90			
22.	Working hours/day	12			
23.	No. of worker	20			
24.	No. of vehicles movement/day	84			
25.	Type of Land	Govt./Non Forest Land			
26.	Ultimate of Depth of Mining	2.4 m (For Mining Plan Period)			
27.	Nearest metalled road from site	0.2 km			

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28.	Water Requirement	PURPOSE
		Drinking - 0.20 KLD
		Suppression of dust - 6.0 KLD
		Plantation - 0.08 KLD
		Others (if any) - 0.00 KLD
		Total - 6.28 KLD
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/1821 RA 0120 Valid till – 13/01/2022
30.	Any litigation pending against the project or land in any court	No
31.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No-06/Khanij Vibhag/2020-21 dated 22/09/2021
32.	Details of Lease Area in approved DSR	Serial no. --NA Page no. --NA
33.	Project Cost	1 5. 0 Lac/annum
34.	Proposed CER cost	0.75 Lac/annum
35.	Proposed EMP cost	0.50 Lacs
36.	Length and breadth of Haul Road	Length – 0.2km Breadth – 6.00 m
37.	No. of Trees to be Planted	100

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-14

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to these minutes.

Nodal SEAC-1

(Dr. Ajai Mishra)
Member

(Om Prakash Srivastava)
Member

(Dr. Brij Bihari Awasthi)
Member

(Umesh Chandra Sharma)
Member

(Dr. Ratan Kar)
Member

(Rajive Kumar)
Chairman

Standard Terms of Reference for the Mining Project prescribed by MoEF&CC, GoI

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land

area, distance from mine lease, its land use, R&R issues, if any, should be given.

- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their

requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 26) Description of water conservation measures proposed to be adopted in the Project should be given.
- 27) Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 28) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 29) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
- 30) Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 31) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 32) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 33) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project.

Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

- 34) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 35) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 36) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 37) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 38) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 39) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 40) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 41) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 42) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 43) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 44) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 45) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 46) Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.

- d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
- e) Where the documents provided are in a language other than English, an English translation should be provided.
- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

General and Specific Conditions for Soil Earth Mining Projects:-

General condition:

1. This environmental clearance does not create or verify any claim of applicant on the proposed site/activity.
2. Any mining activity shall be undertaken only after valid permission from Mining Department/District Administration and written agreement with land owner from where earth excavation is proposed.
3. No change in mining technology and scope of working shall be made without approval of Authority.
4. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
5. The Authority reserves the right to revoke the clearance if conditions stipulated are not implemented. The Authority will also be entitled to impose additional environmental conditions or modify the existing ones, if necessary.
6. In case of any deviation or alteration in the project proposed from those submitted to this Authority for clearance, a fresh reference should be made to the Authority to assess the adequacy of the condition(s) imposed and to add additional environmental protection Measures required, if any.
7. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

Specific Conditions:

1. Environment management should be in accordance with the present environment status of the project.
2. The Environmental clearance will be co-terminus with the agreement/lease.
3. Approach kachcha road should be made motorable and maintained periodically.
4. Transportation of soil should be undertaken in covered containers.
5. Rehabilitation plan with planting of trees to be submitted along with the closure plan.
6. Land to be leveled and handed over to the owners after completion of excavation work.
7. A valid NOC from State Pollution Control Board shall be obtained for the Brick kiln prior to operation as per law and all guidelines must be followed, if applicable.
8. The mining operations shall be strictly limited to the proposed mining sites and proposed purpose.
9. Top soil should be adequately preserved and should be used for landscaping.
10. Excavated soil should be properly stored in a manner not to increase surrounding air pollution level.
11. Water sprinkling should be exercised during excavation and storage of soil for suppression of fugitive dust.
12. Excavated area should be properly reclaimed and ensured that no open bore hole is left.
13. Safety measures for the people working at the site shall be duly taken care of as per law.
14. The excavation work shall be done in day time only.

15. The project boundary shall be properly covered to restrict dust dispersion.
16. Precautionary measures during soil excavation for conservation and protection of rare and endangered flora and fauna found in the study area.
17. Noise level shall be maintained as per standards for both day and night.
18. The route map for soil transportation from excavation plots to work site should be firmed up and necessary permissions shall be sought from District Administration.
19. Vehicles hired for the transportation should be in good condition and should have Pollution Check Certificate and should conform to applicable air and noise emission standards.
20. Personnel exposure monitoring for respirable mineral dust shall be carried out for the workers and records maintained including health records of the workers. Awareness program for workers on impact of mining on their health and precautionary measures like use of personal protective equipments etc. shall be carried out periodically. First aid facilities and adequate sanitary facility in the form of temporary toilets/septic tanks.
21. Solid waste material viz gutkha rappers, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management Rules.
22. Project proponent should maintain daily register for information of (a) collection of soil/clay, (b) manpower & (c) transportation purpose.
23. Soil mining shall strictly be undertaken as per rules and regulations/permissions obtained from District Administration/Mining Department
24. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
25. The borrowing/excavation activity shall be restricted to a maximum depth of 2 m. below general ground level at the site.
26. The borrowing/excavation activity shall be restricted to 2 m. above the ground water table at the site.
27. The borrowing/excavation activity shall not alter the natural drainage pattern of the area.
28. The borrowed/excavated pit shall be restored by the project proponent for useful purpose(s).
29. Appropriate fencing all around the borrowed/excavated pit shall be made to prevent any mishap.
30. Measures shall be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.
31. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.
32. Workers/labourers shall be provided with facilities for drinking water and sanitation.
33. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
34. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.