# Minutes of 589<sup>th</sup> SEAC-2 Meeting Dated 08/11/2021

The 589<sup>th</sup> meeting of SEAC-2 was held in hybrid (physical and virtual) through video conferencing in view of the Corona Virus Disease (Covid-19) on 08/11/2021. Following members participated in the meeting:

1.	Dr. Harikesh Bahadur Singh,	Chairman, SEAC-2
2.	Dr. Amrit Lal Haldar,	Member, SEAC-2 (through VC)
3.	Dr. Dineshwar Prasad Singh,	Member, SEAC-2 (through VC)
4.	Shri Tanzar Ullah Khan,	Member, SEAC-2
5.	Prof. Jaswant Singh,	Member, SEAC-2
6.	Dr. Shiv Om Singh,	Member, SEAC-2

The Chairman welcomed the members to the 589<sup>th</sup> SEAC-2 meeting which was conducted online. The SEAC-2 unanimously took following decisions on the agenda points discussed in meeting :

# 1. <u>"IT/ITES Park" at Plot No.- A-37-38, Sector- 62, Noida, Gautam Buddha Nagar, U.P.,</u> <u>M/s Chambal Trading Pvt. Ltd. File No. 6452/Proposal No. SIA/UP/MIS/220198/2021</u>

The committee noted that the matter was earlier discussed in 561<sup>st</sup> SEAC meeting dated 24/08/2021 and directed the project proponent to submit following information:

- 1. Revised water balance diagram.
- 2. Revised waste water treatment plan.

The project proponent submitted their replies vide letter dated 20/09/2021. A presentation was made by the project proponent along with their consultant M/s Ascenso Enviro Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

- 1. The environmental clearance is sought for "IT/ITES Park" at Plot No.- A-37-38, Sector- 62, Noida, Gautam Buddha Nagar, U.P., M/s Chambal Trading Pvt. Ltd.
- 2. Salient features of the project:

Online Proposal No.	SIA/UP/MIS/220198/2021
File No. allotted by SEIAA, UP	6452
Project Title	Proposed IT/ITES PARK
Location (with Plot / Khasra no.)	Plot No. A-37-38, Sector-62, Noida, U.P.
Name of the applicant	M/s Chambal Trading Pvt. Ltd.
Total Plot Area	40,000.00 Sq.m
Built-up Area	118298.56Sq.m.
Green Area	20374.68 Sq.m.
Total Parking proposed	1255 ECS
Total Water Consumption	524 KLD
Total Fresh-water Requirement	270 KLD which includes 164 KLD for domestic water requirement and
	106 KLD for HVAC Cooling water requirement.
	Source: NOIDA Authority water supply
Total waste water generation	260 KLD
Wastewater Treatment	During the construction phase, approx. 5-10 KLD of liquid effluent will
	generate and it will be treated through soak pit or septic tank.
	During the operational phase, Total waste water to be generated is 260
	KLD, which will be treated in the onsite STP of capacity higher than
	the waste water generation i.e. 320 KLD. The total treated water is 234

	KLD (@ 90% of waste water) and it will be recycled and re-used for flushing DG cooling and landscaping									
Solid wast	e to be ge	enerated		Munici	pal Waste: 10	)35 kg/dav	y			
	U			Sludge:	20 Kg/day	с.	, ,			
E-waste				The E	-waste gene	erated wi	ll be managed	as	per the E-Waste	
				(Manag	gement) Ru	iles, 201	6. E-waste v	vill	be collected at	
				proper/	separate plac	e and sol	d to govt. appro-	ved ag	gency or recycling	
				industr	у.					
Power Rec	quirement			8080 K	W and will b	e supplied	l by Noida Power	Supp	ly.	
Power Bac	ckup			8 DG s	ets of capacit	y of 1000	0 KVA (8x1250 l	KVA)	are proposed.	
No. of RW	/H Pits			5 Nos.						
Total Proj	ect Cost			150 cr.						
Water Tab	ole			12 mbg	l as per geot	echnical re	eport			
				Source:	: CGWB 201	4				
Maximum	Height of	f the Building		87 m						
Water Boo	lies			Yamun	a River		Approx.9.51 km	, in No	orth	
				Hindon	River		Approx. 2.47 km	ı, in N	E	
Defense in	stallation	S		Nil						
Densely p	opulated o	or built-up are	a	Rasool	pur Nawada		Approx. 0.64 km	ı, in So	outh	
				Wazidp	our		Approx. 0.47 km	ı, in Sl	E	
	· 1 /m			Sector	63		Approx. 0.46 km	1, 1n Ea	ast	
Nearest H	ighways/F	Roads		NH24			Approx. 0.46 Kr	n tow	ards North	
Nearest I	Railway	station/Airpor	rt along	Ghazia	bad Junction		Approx. 6.31 Ki	m tow	ards North East	
with distar	ice in Km	15.								
Proposed	EMP Cost	t		1.40 Cr (Capital cost), 56 Lakhs (Recurring Cost)						
No. of Tre	es to be P	lanted		520 No	520 Nos.					
$\frac{3.}{3}$ Are	a details	of the proje	ct:						( 2)	
S. N.	Particula	ars					Area (m)			
1.	Total PI	ot Area						4000	0	
2.	Total Pe	ermissible FA	K @1.5					5000	0	
3.	I otal FA	AR Proposed		<u></u>				3999	9.99	
4.	Permissi	ible Ground c	overage (	<u>1</u> ,00%				5000	5000	
5.	Propose	a Ground cov	erage @1	7.77 Proposed Ground Coverage)				2400	1	
0.	NON E	rea(10tal Plo	t Area – f	Toposed Ground Coverage)				40503.87		
/.	NUN-FA	AK AKEA	D A					49505.87		
<u> </u>	A abiava	3% service FA	AK Area					9000		
9.	Total D	uilt up Area (	r = r A K a R	$\frac{a}{(7+9)}$				8/94./0		
10	Dermiss	ible Green are	$\frac{5.10.51}{0.00}$	$\frac{1}{2}$	(reg)			1700	0.5	
11.	Propose	d Green Area	$\frac{a(w, 50, 70)}{(0.50, 0.2)}$	% of Open	n Area)			1/000.5		
12.	Propose	d Duilding H	$(w_{33.32})$	70 01 Ope	li Alea)			20574.08		
13. 1 Por	ulation de	a Dunung IR	agin					07 m		
S No	Particul	ars	Type of		DI Unite/F	TAR	PPU/1 nerson	of	Total Population	
5.110.	1 ai ticula	u1 0	Occupat	nev	$(m^2)$	4 HX	FAR	. 01	(TP)	
A.	TOWER	R BLOCK	Secupar	;	()				(**)	
1.	IT/ITES	Building	2B+G+1	9	59999.99		10 m <sup>2</sup> /person		5999.99 or sav	
		B					- · · · · · · · · · · · · · · · · · · ·		6000	
B.	Staff						@5% (Tower-A	4)	300	
C.	Visitors						@10%(Tower -	_	600	
							A+B+C)			
	TOTAL	POPULATIO	DN (A+B	+C)	•				6900	
5. Par	king detai	ls:		· · · · · · · · · · · · · · · · · · ·						
Particulars	3	Total Basen	nent	Parking	Area (Sq.	AREA (	Sq. m.) Proposed	To	tal no. Of car	
		AREA (Sq.	m.)	m.)		for ECS		par	king proposed	
Upper Bas	sement	17579		15939		30		530	0	

# Minutes of 589th SEAC-2 Meeting Dated 08/11/2021

Lower	Basement	17578	}	1 S	0680 (Single tack Parking)	30			356	
				1 S	0680 (Double tack Parking)	18			369	
		TOTA	J.	5	(aon running)				1255 E	CS
6	Water require	ement d	etails <sup>.</sup>						1200 E	00
S.	Description	1	Total		Unit water	Total	1	Water	Flushing	Total
No.			Population	n/area	consumption	water	I	equirement	water	Wastewater
			$(m^{2})$		(litres)	require	ed f	for domestic	(KLD)	(KLD)
						(KLD)	)   ι	ise (KLD)		
1	IT/ITES		6000		45	270.00	) ]	50.00	120.00	240.00
	Building									
2	visitor/Floa	ting	600		15	9.00	6	5.00	3.00	7.80
	Population	@10%								
	of	Total								
	Population	1	200		4.5	12.50			6.00	12.00
3	Staff Popu	lation	300		45	13.50		/.50	6.00	12.00
	$(W_{5})^{0}$ 01	Total								
4	Horticultur	2	20274 68	$m^2$	2	61.12				
4	Fire Fight	e na if	20574.08		3	20.00	· ·		•••••	•••••
0	required	ing, ii			•••••	20.00			•••••	•••••
7	HVAC C	ooling				140.00	)			
8		ooling	10000 KV	Δ	1	10.00				
	(8x1250 K)	VA)	10000 IV	11	litr/hour/KVA	10.00				
	Total	Water				523.62	2 1	63.50	129.00	259.80
	Requirement	nt								
						say 52	4 5	Say 164	129	say 260
7.	Waste water	r gener	ation detail	s:						
Details	5								Water (k	KLD)
Water	requirement f	for dom	estic purpos	e = 163	163.50 or say 164 KLD			164		
Waster	water to be ge	enerated	from dome	stic us	e (@ 80% of don	nestic wa	ater rec	luirement	131	
=131.2	2 or say 131 K		1' D						100	
Water	requirement	tor Flus	hing Purpos	e	1000/ 6.0.1.				129	
waste	water to be ge	nerated	from Flush	ing (@	0 100% of flushin	ig requir	ement)		129	
1  otal  V	wastewater to $I D \pm 120 KI$	be gen D = 2e	erated						260	
Total 7	LD + 129 KL Freated Water	$\frac{D}{D} = 20$	N KLD	) Trea	tment (@ 90% of	waste u	vater)		234	
STP P	ronosed (73%	higher	than the wa	ste wa	ter generation)	waste w	au j		320	
8	Solid waste	<u>σenera</u>	tion details		ser generation)				520	
Categ	orv	5011010		,. Cour	nts (heads)		Wast	te Generated	(kø/dav)	
IT/IT	ES Population	1		6000	@0.15kg/day		900	le Generated	(ng/uuy)	
Staff		<u>.</u>		3000	0.15kg/dav		45.0			
~~~~				2000						

9. The project proposal falls under category–8(a) of EIA Notification, 2006 (as amended).

600@0.15kg/day

#### **RESOLUTION AGAINST AGENDA NO-01**

Visitors

Total Waste Generated

The committee discussed the matter and recommended grant of environmental clearance on the proposal as above along with the following standard environmental clearance conditions prescribed by MoEF&CC, Govt. of India:

90.0

1035 kg/day

- 1. Statutory compliance:
  - 1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
  - 2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.
  - 3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
  - 4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  - The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
  - 6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
  - 7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
  - 8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
  - 9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
  - 10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- 2. Air quality monitoring and preservation:
  - 1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
  - 2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
  - 3. The project proponent shall install system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
  - 4. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided in consultation with State Pollution Control Board.
  - 5. The construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind-breaking walls all around the site (at least 3-meter height).Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
  - 6. Sand, murram, loose soil, cement, stored on-site shall be covered adequately so as to prevent dust pollution.
  - 7. Wet jet shall be provided for grinding and stone cutting.
  - 8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

- 9. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- 10. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
- 11. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- 12. For indoor air quality, the ventilation provisions as per the National Building Code of India.
- 3. Water quality monitoring and preservation:
  - 1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
  - 2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  - 3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
  - 4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six-monthly Monitoring reports.
  - 5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
  - 6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
  - 7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
  - 8. Use of water-saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  - 9. Use of water-saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  - 10. Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents and other best practices referred.
  - 11. The local bye-law provisions on rain water harvesting should be followed. If local bylaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
  - 12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
  - 13. All recharge should be limited to shallow aquifer.
  - 14. No ground water shall be used during construction phase of the project.

- 15. Any ground water dewatering should be properly managed and shall conform to the a approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- 16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- 17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
- 18. No sewage or untreated effluent water would be discharged through storm water drains.
- 19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- 20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
- 21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
- 4. Noise monitoring and prevention:
  - 1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  - 2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
  - 3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
- 5. Energy Conservation measures:
  - 1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
  - 2. Outdoor and common area lighting shall be LED.
  - 3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
  - 4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
  - 5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
  - 6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the

requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

- 6. Waste Management :
  - 1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
  - 2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  - 3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
  - 4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
  - 5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
  - 6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
  - 7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
  - Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
  - 9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
  - 10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
- 7. Green Cover:
  - 1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
  - 2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
  - 3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
  - 4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- 8. Transport:
  - 1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
    - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.

- b. Traffic calming measures.
- c. Proper design of entry and exit points.
- d. Parking norms as per local regulation.
- 2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- 3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- 9. Human health issues :
  - 1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
  - 2. For indoor air quality the ventilation provisions as per National Building Code of India.
  - 3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  - 4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  - 5. Occupational health surveillance of the workers shall be done on a regular basis.
  - 6. A First Aid Room shall be provided in the project both during construction and operations of the project.
- 10. Corporate Environment Responsibility:
  - 1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  - 2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  - 3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  - 4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- 11. Miscellaneous:

- 1. Permission from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ nearby drains disposal/drainage systems along with the final disposal point should be obtained.
- 2. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- 3. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- 4. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- 5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- 6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- 7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- 8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- 9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- 10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- 11. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- 12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 13. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- 14. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- 15. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- 16. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

# 2. <u>Production of MS Billets/Ingot 118800 MT/year through Induction Furnace Route at Khasra No.-530, 7th Km Stone, Bhopa Raod, Muzaffarnagar., M/s Shree Sidhbali Steels Pvt. Ltd. File No. 6358/Proposal No. SIA/UP/IND/62998/2021</u>

The committee noted that the matter was earlier discussed in 561<sup>st</sup> SEAC meeting dated 24/08/2021 and directed to defer the matter due to non-availability of NABET/QCI certificate. The project proponent submitted their replies vide letter dated 22/09/2021. 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 Production of MS Billets/Ingot 118800 MT/year through Induction Furnace Route at Khasra No.-530, 7th Km Stone, Bhopa Raod, Muzaffarnagar., M/s Shree Sidhbali Steels Pvt. Ltd.

Particulars	Details
Proposed Project	M/s Shree Sidhbali Steels Private Limited (Unit-2)
Location	Khasra No. 530, 7 <sup>th</sup> Km Stone, Bhopa Road Sandhawali Muzaffarnagar-
	251001
Latitude	29° 28.525'N
Longitude	77° 45.351'E
Category of the project	3(a) Metallurgical industries (ferrous & non ferrous)
Proposed Capacity	MS Billets/ Ingot 118800 MT/ year
	Raw Material
	MS Scrap 130000 MTPA
	Sponge As per requirement
Land Area	1.169 ha
Khasra Number	530
Estimated Project Cost	33.27 Crores
Nearest Highway	Muzaffarnagar Bypass Road 0.39 Km west Bhopa Road 0.46 Km South
Nearest Railway station	Muzaffarnagar Railway Station 4.67 Km west
Nearest Airport	Indira Gandhi International Airport Delhi (118.73 km SW )
Nearest River	Kaali Nadi 7.38 west.
Archaeological important	None in 10 Km
places	
Wild Life Sanctuaries	None in 10 Km
Nearest Town/City	Muzaffarnagar 4.60 Km west
Hill ranges	None
Seismic Zone	The site is located in the Seismic Zone IV, as per the seismic zoning map $_3$ of India given in BIS code IS: 1893 (Part1)-2002

2. Salient features of the project:

#### 3. Raw material details:

MS Scrap	130000 MT/annum
Sponge	As per requirment
Land requirement	1.169 ha
Power requirement	15000 KVA (Source : UPPCL)
Manpower	30

4. Water requirement details:

S.No	Activity	Required Quantity (KLD)	Waste Water Generation (KLD)
1	Domestic	13.5	10.8
2	Cooling Tower	7.5	1.2
3	Gardening	4	0
	Total	25 KLD	12.0

5. The unit will install ETP of capacity 14 KLD for treatment of waste water.

6. The project proposal falls under category–3(a) of EIA Notification, 2006 (as amended).

#### **RESOLUTION AGAINST AGENDA NO-02**

The committee discussed the matter and recommended to issue the standard terms of reference (TOR) issued by MoEF&CC, Govt. of India for the preparation of EIA regarding the project:

- 1) Executive Summary.
- 2) Introduction :
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project
- 3) 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 equipments 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.

- 4) 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.
- 5) 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. Landuse 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.
- 6) 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 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.
- 7) Impact and Environment Management Plan:
  - i. Assessment of ground level concentration of pollutants from the stack emission based on sitespecific 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.
- 8) 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 heath status of workers with special reference to Occupational Health and Safety.
- 9) 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
  - v. 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.
- 10) 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.
- 11) 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.

- 12) A tabular chart with index for point wise compliance of above TOR.
- 13) Details of proposed layout clearly demarcating various units within the plant.
- 14) Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs and outputs (material and energy balance).
- 15) Details on design and manufacturing process for all the units.
- 16) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- 17) Details on requirement of raw materials, its source and storage at the plant.
- 18) Details on requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
- 19) Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
- 20) Details on toxic content (TCLP), composition and end use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

# 3. <u>Develop T-5 Commercial at Plot No.-5(T-5)</u>, <u>Busines Bay-1</u>, <u>Sushant Golf City, Hi-Tech,</u> <u>Sultanpur Road, Lucknow, U.P., Shri Rohit Aggarwal, M/s SJP Hotel Resorts Pvt. Ltd.</u> <u>File No. 6501/Proposal No. SIA/UP/MIS/ 220268/2021</u>

#### **RESOLUTION AGAINST AGENDA NO-03**

A presentation was made by the project proponent along with their consultant M/s Ambiental Global Pvt. Ltd. The committee discussed the matter and directed the project proponent to submit following information:

- 1. Revised water balance diagram.
- 2. Affidavit regarding present status of site along with construction activity.
- 3. Latest site photograph along with coordinates dates and time.
- 4. Revised proposal for wastewater treatment and use of treated water for various purposes.
- 5. Revised parking plan along with electric charging points for electric vehicles.
- 6. Revised municipal solid waste disposal according to municipal solid waste rules.
- 7. Layout plan showing the location of STP, DG sets and municipal solid waste disposal system. Also submit the revised green belt plan along with plant species which are environmental friendly.

The matter will be discussed only after submission of online information on prescribed portal.

# 4. <u>Revision & Expansion of Group Housing "MRJV Palm Resort" Khasra No.-</u> <u>10024,1045,1046,107, 1067, 1068,NH-58, Noor Nagar, Ghaziabad, Shri Tarun Kumar</u> <u>Chauhan., M/s MRJV Construction Company. File No. 6525/Proposal No.</u> <u>SIA/UP/MIS/ 224278/2021</u>

#### **RESOLUTION AGAINST AGENDA NO-04**

A presentation was made by the project proponent along with their consultant M/s Ambiental Global Pvt. Ltd. The committee discussed the matter and directed the project proponent to submit following information:

- 1. Certified compliance report for the earlier environmental clearance.
- 2. Revised water balance diagram.
- 3. Latest site photograph along with coordinates dates and time.

- 4. Revised proposal for wastewater treatment and use of treated water for various purposes.
- 5. Revised parking plan along with electric charging points for electric vehicles.
- 6. Revised municipal solid waste disposal according to municipal solid waste rules.
- 7. Layout plan showing the location of STP, DG sets and municipal solid waste disposal system. Also submit the revised green belt plan along with plant species which are environmental friendly.
- 8. Permission/ approval letter for increasing FAR area from Ghaziabad Development Authority along with chronology shall be submitted.

The matter will be discussed only after submission of online information on prescribed portal.

# 5. Formaldehyde Manufacturing Unit with Production capacity 90 TPD Plot No.-F-685 TO 688, Musoori Industrial Area, Gulawati Road, Industrial Area, Hapur., M/s Esquire Estates Pvt. Ltd. File No. 6530/Proposal No. SIA/UP/IND3/ 66870/2021

#### **RESOLUTION AGAINST AGENDA NO-05**

A presentation was made by the project proponent along with their consultant M/s Vardan Environet. The committee discussed the matter and directed the project proponent to submit the clarification regarding the existing capacity of the project under violation. A letter should be sent to UPPCB for compliance of NGT order in case of Formaldehyde units to get the factual reports of said units.

# 6. <u>Expansion of Exiting Sugar Mill Cane Crushing Capacity from 4600 TCD to 6600 TCD</u> <u>alongwith Co-Gen Power Expansion from 6.0 MW to 10.0 MW at Village-Agwanpur,</u> <u>Moradabad, Shri Atul Goyal, M/s Dewan Sugar Ltd. File No. 5010/Proposal No.</u> <u>SIA/UP/IND2/ 38918/2019</u>

A presentation was made by the project proponent along with their consultant M/s Environmental Technical Research Centre, Lucknow. The proponent, through the documents submitted and the presentation made, informed the committee that:-

- 1. The environmental clearance is sought for Expansion of Exiting Sugar Mill Cane Crushing Capacity from 4600 TCD to 6600 TCD alongwith Co-Gen Power Expansion from 6.0 MW to 10.0 MW at Village-Agwanpur, Moradabad, U.P., M/s Dewan Sugar Ltd.
- 2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 782/Parya/SEAC/5010/2019, dated 02/03/2021.
- 3. Public hearing organized on 16/08/2021 and final EIA report submitted by the project proponent on 02/09/2021.
- 4. Effluent from manufacturing process is treated in ETP and after expansion also waste water treated in existing ETP: 1500 KLD. ETP comprises of bar screen, Oil & Grease, Equalisation Tank, Chemical Mixing Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier, Sand and activated carbon filter, Sludge drying beds etc.
- 5. Salient features of the project:

Sr No		Particulars	Details		
			Existing	Proposed	After
				expansion	Expansion
1.	Nature a	nd Size of Project	4600 TCD	2000 TCD	6600
					TCD

2.	Category of the Project	ne Project As per EIA Notification dated 14 <sup>th</sup> September, 2006 as					
		amended fr	om time to	time; the	e project	falls in Category	
2	Area Details	B', Project	or Activity	- 5(J).			
5.	Total Plant Area	Existing Ind	11 strue 26 1	2 Haatara			
	Total I faitt Alea	Proposed Ex	asa y. 50.4 mansion: N				
		No change	in the area	of indust	rv. expan	sion will be done	
		within exist	ing premise	s.	-,,		
4.	Greenbelt / Plantation Area	~33% of the	e project ar	ea (12.02	hectare) l	has been provided	
		as green bel	t. Same wil	l be maint	ained afte	er expansion also.	
5.	Project Cost Details	•					
	Total Project Cost	Rs. 1800.0 I	Lakhs				
	Cost for Environment Management Plan	Caj	pital Cost:	Rs 60.0 La	kh or 0.0	6 Crores	
		Re	curring cos	t: Rs 35.0	Lakhs /A	nnum	
0.	Power Requirement	EX:	isting powe	r requiren	1ent - 4.8	MW,	
7	Basic Requirements for the project	Al	er propose	u expansio	JII. 7.2 IVI	vv	
/.	Water Requirement	Existing		Prope	sed	After Proposed	
	water Requirement	LAISting		expar	sion	expansion	
	Industrial (Fresh Water)	736 KLD		320 K	LD	1056 KLD	
		(0.16 KL/	Γ of car	ne		(@ 0.16 KL/T	
		crush)				of cane crush )	
	Domestic (Fresh Water)	35.0 KLD		15.01	KLD	50.0 KLD	
	Total Fresh Water requirement	771 KLD		335 1	KLD	1106 KLD	
	Source of Fresh Water	Gre	ound water	through T	ube / Bor	e well.	
		Industry already obtained the NOC from Gro				OC from Ground	
		Water Department, Uttar Pradesh.					
	Man Power Requirement	Nil for proposed expansion, existing employees are capable					
		Indirect em	alovment:	2 plant all	vill be evi	non also.	
		after expans	ion	100 1105 W		pecied to increase	
8.	Fuel and Its Quantity	Bagasse is b	eing and w	ill be used	l as fuel.		
		Existing req	uirement: 8	376 TPD			
		After propo	sed expansi	on : 1008	TPD		
9.	Steam requirement	Existing: 73	ТРН,				
		After propo	sed expansi	on : 84 TI	PH.		
10.	Product Details	Existing			After	Proposed	
	9				Expansi	0n	
a b	Sugar Molossos (Puproduct.)	460.0 MT/L	ay		207.0 N	11/Day (T/Day	
C	Bagasse (By product )	1380.0 MT/	ay Dav		1980.01	MT/Day	
d	Press Mud (By Product)	1300.0 MT/C	Day Jav		264.0 M	T/Day	
e	Co gen Power	6.0 MW	<i>aj</i>		10.0 M	W	
11.	Raw Material						
		Existing		Proposed	1	After proposed	
		_		expansio	n	expansion	
	Sugar Cane Crushing	4600 TCD		2000 TC	D	6600 TCD	
6.	Land use details:						
Sr. No	Land Use		Area in S	qm	Area in l	Percentage	
1	Roof Top (Building, Covered Shed)		29144		08 %		
2	Green Belt		120219		33 %		
3	Road and Paved		36430		49 %		
4	Open Area		178507		49 %		
-	Grand Total		266600		100 %		
1							

#### 7. Production details:

Product and its Quantity	Existing	After Expansion
	Sugar Cane 4600 TCD Crushing	Sugar Cane 6600 TCD Crushing
Sugar (Product)	460 MT/Day	660 MT/Day
Molasses (By Product)	207 MT/Day	297 MT/Day
Bagasse (By Product)	1380 MT/Day	1980 MT/Day
Press Mud (By Product)	184 MT/Day	264 MT/Day

8. Water calculation details:

Particular		Existing capacity		roposed	After proposed expansion		
			ex	pansion			
Total Water	Industrial	736 KLD	32	20 KLD	1056 KLD		
Requirement		(0.16  KL/T of cane crush)			(@ 0.16 KL/T of cane crush)		
	Domestic	35.0 KLD	15	5.0 KLD	50.0 KLD		
Source of Water		Ground water through Tub	e / Bore	well.			
		NOC from Ground Water I	Departme	ent has been obt	ained which is valid upto 2026.		
Waste Water Ge	neration	920 KLD	400 KL	LD	0 KLD		
					(Maximum effluent generation		
					is being and will be $@$ 0.2 KL /		
					Ton of Cane Crushed. )		
Waste water treat	tment	Existing treatment Strategy : Effluent is being treated through Activated sludge					
		process. ETP comprises of Bar Screen, Oil & Grease trap, chemical Mixing,					
		Equalization, Primary Clarifier, Aeration, Secondary Clarifier, MGF, ACF and					
		Sludge Drying beds.					
		Treatment Strategy after expansion : Effluent will be treated through same					
		treatment strategy as per ex	kisting an	nd adequate mod	lification will be same.		

#### 9. Solid waste generation details:

DOMESTIC SOLID WASTE									
Category	Type of Waste	Colour of Bins	Disposal Method	Total	Waste				
			_	(Kg/day)					
Bio Degradable	Organic Waste	Green	Organic waste converter	45					
			within the project site						
Non-Biodegradable	Recyclable Waste	White	Authorized Recycler	22.5					
Non-Biodegradable	Inert Waste	Black	Nearby Landfill Site	7.5					
	Total			75 Kg/day					

#### 10. Process waste details:

Solid waste	Existing Capacity	Proposed Expansion	Method of disposal		
Boiler ash	13.14 MT/Day	18.0 MT/Day	Boiler ash will be supplied to the brick		
			manufacturer.		
ETP Sludge	3.5 MT/Day	6.5 MT/Day	ETP Sludge will be given to the farmers		
Press Mud	184.0 MT/Day	264.0 MT/Day	Press mud will be given to the farmers		
Oil & Grease	22.0 kg/Day	28.0 kg/Day	Will be mixed with bagasse and burn in		
from ETP			boiler.		
			Hazardous authorization from UPPCB will		
			be obtained.		

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

#### **RESOLUTION AGAINST AGENDA NO-06**

The committee discussed the matter and recommended grant of environmental clearance for the above project proposal along with following standard environmental clearance conditions:

#### I. Statutory compliance:

I. The project proponent shall obtain forest clearance under the provisions of Forest

(Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

- II. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- III. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden, if applicable. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six monthly compliance report. (in case of the presence of schedule-I species in the study area).
- IV. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- V. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- VI. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

#### **II.** Air quality monitoring and preservation:

- I. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- II. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.s in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 12 0° each), covering upwind and downwind direct ions.
- III. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with sixmonthly monitoring report.
- IV. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- V. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
- VI. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB

guidelines.

- VII. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
- VIII. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

#### III. Water quality monitoring and preservation

- I. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
- II. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
- III. Process effluent /any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- IV. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- V. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- VI. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and treated effluent shall conform to the standards prescribed under the Environment (Protection) Rules, 1986 and treated water from ETP shall be used for irrigation.
- VII. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

#### IV. Noise monitoring and prevention

- I. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- II. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- III. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

#### V. Energy Conservation measures

I. The energy sources for lighting purposes shall preferably be LED based.

#### VI. Waste management

I. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.

- II. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt, if hazardous shall be disposed off to the TSDF.
- III. The company shall undertake waste minimization measures wherever feasible as below :
  - a. Metering and control of quantities of active ingredients to minimize waste .
  - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - c. Use of automated filling to minimize spillage.
  - d. Use of Close Feed system into batch reactors.
  - e. Venting equipment through vapour recovery system.
  - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

#### VII. Green Belt

I. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

#### VIII. Safety, Public hearing and Human health issues

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- III. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- IV. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- V. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- VI. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

#### IX. Corporate Environment Responsibility

- I. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- II. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms /

conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms I conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- III. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive , who will directly to the head of the organization.
- IV. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- V. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

#### X. Miscellaneous

- I. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- II. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- III. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- IV. The project proponent shall monitor the criteria pollutants level namely;  $PM_{10}$ ,  $SO_2$ ,  $NO_x$  (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- V. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- VI. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- VII. The project proponent shall inform the Regional Office as well as the Minis try, the date of financial closure and final approval of the project by the concerned authorities , commencing the land development work and start of production operation by the project.

- VIII. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- IX. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- X. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- XI. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- XII. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- XIII. The Ministry reserves the right to stipulate additional conditions if found necessary.
- XIV. The Company in a time bound manner shall implement these conditions.
- XV. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- XVI. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- XVII. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

# 7. <u>Common Bio-medical Waste Treatment Facility at Gata No.-258, 259, 260, Village-Simla Ther, Tehsil- Bilari, Moradabad, U.P, M/s Rudra Waste Mangement Pvt. Ltd.</u> <u>File No. 6539/Proposal No. SIA/UP/MIN/ 60680/2021</u>

# **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. <u>Establishment of New 65 KLD Distillery Unit (Grain Based) (RS/ENA/Ethanol) &</u> <u>Power: 2.5 MW at Khasra No.- 179, 173, 185, 178, Vilage- Bhojpur Ram Nath, Tehsil-</u> <u>Faridpur, Bareilly, U.P., M/s Dhruva Biofuels Pvt. Ltd. File No. 6548/Proposal No.</u> <u>SIA/UP/IND2/67328/2021</u>

# **RESOLUTION AGAINST AGENDA NO-08**

The project proponent through letter dated 08/11/2021 requested to defer the matter in the coming SEAC-2 meeting. The committee discussed the matter and directed to defer the matter as per the request made by the project proponent. The file shall not be treated as pending at SEAC-2. The matter will be discussed only after the submission of the online request on the prescribed online portal.

# 9. <u>Group Housing at Plot No: 3/SP-10, Siddharth Vihar, Ghaziabad., Shri Anvishwar</u> <u>Sharma, M/s Shadbolt Buildworld Pvt. Ltd. File No. 6556/Proposal No.</u> <u>SIA/UP/MIS/228490/2021</u>

#### **RESOLUTION AGAINST AGENDA NO-09**

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The committee discussed the matter and directed the project proponent to submit following information:

- 1. Revised water balance diagram.
- 2. Agreement between society and developer.
- 3. Approved building plan.
- 4. NOC from Airport Authority of India.
- 5. Latest site photograph along with coordinates dates and time.
- 6. Revised parking plan along with electric charging points for electric vehicles.
- 7. Layout plan showing the location of STP, DG sets and municipal solid waste disposal system. Also submit the revised green belt plan along with plant species which are environmental friendly.

The matter will be discussed only after submission of online information on prescribed portal.

# 10. Additional Equipment Namely Hot Air Generator (HAG) without Change in Production Capacity (under Para7(ii) (b) of EIA notification at Khasra No-126, 150, 151/1, 151/2, 151/3, 151/4, 157, 158, 159A, 159B, 160/4, 149, 151 & 152, Village- Satha, Tehsil- Koil, Aligarh., M/s JK Cement Works, Aligarh. File No. 4214/Proposal No. SIA/UP/IND/222224/2021

A presentation was made by the project proponent along with their consultant M/s Environmental Technical Research Centre, Lucknow. The project proponent/consultant informed that the environmental clearance for the above project was issued by SEIAA, U.P. vide letter no. 532/PARYA/SEAC /4214/2018 dated 27/11/2018 for the area of 6.8318 Hectare and 20,00,000 TPA cement production.

The project proponent also informed that they have proposed to add additional equipment in the existing plant namely Hot Air Generator (HAG) for the purpose of utilization of Wet ash/ Pond Ash without any change in production capacity of existing cement unit. The project proponent through online portal applied amendment in environmental clearance letter dated 27/11/2018 on 29/07/2021 and requested to amend the existing environmental clearance as per following details:

S. No.	Details mentioned in EC	Proposed amendment in EC	Purpose	
1.	At Point No. 9 (Plant and Machinery	Addition of Hot Air Generator	Addition of HAG is required	
	Details), Hot Air Generator is not	(HAG) at Point No. 9 (Plant	for utilization of Wet Ash.	
	mentioned.	and Machinery Details).		
2.	In Point No. 6 of salient features,	Addition of Coal (10 TPH) /	Addition of HAG is required	
	Only Diesel is mentioned as fuel for	Diesel (500 Lit / hr) as	for utilization of Wet Ash.	
	DG set.	fuel for HAG.		

#### **RESOLUTION AGAINST AGENDA NO-10**

The committee discussed the matter and recommended to amend the environmental clearance letter no. 532/PARYA/SEAC /4214/2018 dated 27/11/2018issued by SEIAA as per above details. The committee also directed that rest all of the contents mentioned in environmental clearance letter dated 27/11/2018 shall remain same.

# 11. <u>Commercial Project "Lulu Mall" at Plot No.-IBB-2, T5, Sushant Golf City, (Hi -Tech Township) Shaheed Path, District- Lucknow, U.P., M/s Lulu India Shopping Mall Pvt.</u> Ltd. File No. 6467/Proposal No. SIA/UP/MIS/ 66094/2021

The project proponent informed the committee that the terms of reference for the above project proposal was issued by SEIAA, U.P. vide letter no. 211/Parya/SEIAA/6467/2021, dated 07/10/2021 in view of MoEF&CC Violation SoP/Office Memorandum dated 07/07/2021. In para 7 of 561<sup>st</sup> SEAC meeting dated 24/08/2021 mentioned that "the committee also directed the project proponent to stop the construction work at the site with immediate effect until the Environment Clearance is granted."

The project proponent also informed that the project is in permissible category and demarcated for commercial development as per the approved master plan of Sushant Golf City by Lucknow Development Authority and as per standard operating procedure (SoP) at section 11, it is mentioned that the project where no prior EC has been taken will close its operation. Therefore, the project proponent vide letter dated 05/10/2021 requested to amend the condition mentioned in para 7 of 561<sup>st</sup> SEAC meeting dated 24/08/2021 is as follows:

Details mentioned in para 7 of 561 <sup>st</sup> SEAC	Proposed Amendment	
meeting dated 24/08/2021		
The committee also directed the project proponent to stop the construction work at the site with immediate effect until the Environment Clearance is granted.	The project proponent will not start operation at the site until the Environmental Clearance is granted as per section 11 of standard operating procedure (SoP) for identification and handling of violation case under EIA Notification, 2006.	

The committee discussed the matter and recommended to amend the details mentioned in para 7 of 561<sup>st</sup> SEAC meeting dated 24/08/2021 as per above details. The committee also directed that rest all of the contents mentioned in 561<sup>st</sup> SEAC meeting dated 24/08/2021 shall remain same.

# 12. <u>Stone Mining at Araji No.-01, Village-Ahirupur, Tehsil- Chunar, Mirzapur, U.P., Smt.</u> <u>Ruchi Singh, Area -1.01 ha. File No. 5783/Proposal No. SIA/UP/MIN/ 50316/2020</u>

The committee noted that the matter was earlier discussed in  $580^{\text{th}}$  SEAC meeting dated 11/10/2021 and the project proponent did not appear in the meeting. 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 Stone Mining at Araji No.-01, Village-Ahirupur, Tehsil-Chunar, Mirzapur, U.P., (Leased Area -1.01 ha.).
- 2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 745/Parya/SEAC/5783/2019, dated 15/01/2021.
- 3. The public hearing was organized on 30/03/2021. Final EIA report submitted by the project proponent on 16/08/2021.

Smt. Ruchi Singh W/o Shri Santosh Singh

- 4. Salient features of the project as submitted by the project proponent.

   1. On Line Proposal No.
   SIA/UP/MIN/50316/2021

   2. File No. allotted by SEIAA, UP
   5783
- 4. Salient features of the project as submitted by the project proponent:

3.

Name of Proponent

4.	Full correspondence address of proponent	R/o Vill- Sariya, Tehsil- Chunar, District- Mirzapur, U.P.				
	and mobile no.	-				
5.	Name of Project	Building Stone	(Sandstone) Min	ning Project Smt. Ru	ichi Singh	
		at Araji No 0	1 Village-Ahiru	pur , Tehsil-Chunar	, District-	
		Mirzapur, U.P.	Mirzapur, U.P. Area 1.01Ha			
6.	Project Location (Plot.Khsra/Gata/Araji	Araji No 01				
	No.)					
7.	Name of Village	Ahirupur				
8.	Tehsil	Chunar				
9.	District	Mirzapur				
10.	Name of Minor Mineral	Building Stone (Sandstone)				
11.	Sanctioned Lease Area (in Ha.)	1.01 Ha.				
12.	Max. & Min mRL within lease area	122.20 mRL &	122.20 mRL & 104.80 mRL			
13.	Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude		
		A 24	5°2'47.92"N	82°58'59.38"E		
		B 24	5°2'47 96"N	82°59'1 58"E		
		C $2$	5°2'42 80"N	82°59'2 45"F		
		D $2$	5°2'42.00 IN 5°2'42 74''N	82°59'0 12"E		
			0 2 42.74 1	02 57 0.12 L		
14.	Total Geological Reserves	339840m <sup>3</sup> /Annum				
15.	Total Mineable Reserve in LOI	$10100 \text{ m}^3$ /Annum				
16.	Total Proposed Production in	$10100 \text{ m}^3$ (A mum				
	LOI	10100 m /Annum				
17.	Total Proposed Production in 20 Years	$10100*20=2,02,000 \text{ m}^3$				
18.	Sanctioned Period of Mine lease	20Years	20Years			
19.	Production of mine/day	34m <sup>3</sup>				
20.	Method of Mining	Open cast Mar	nual/ Semi Mech	anized Mining		
21.	No. of working days	300 Days	300 Davs			
22.	Working hours/day	8 Hours	8 Hours			
23.	No. of worker	22 Workers				
24.	No. of vehicles movement/day	4 Trucks / Day	4 Trucks / Day (Depending on market demand)			
25.	Type of Land	Govt. Land				
26.	Ultimate of Depth of Mining	12.00 m				
27.	Nearest metalled road from site	1.80 Km				
28.	Water Requirement	PURPOSE	REOUIREMENT (KLD)			
	1	Drinking	0.22 KLD			
		Suppression of	6.62 KLD			
		dust				
		Plantation	2.0 KLD			
		Others (if anv)				
		Total	8.84 KLD (9.0	0 KLD Approx.)		
29.	Name of OCI Accredited Consultant	Ind Tech House Consult OCI No - 85				
	with QCI No and period of validity.	Period of Validity- 27-10-2021				
30.	Any litigation pending against the project	No				
	or land in any court					
31.	Details of 500 m Cluster Map & Certificate	Letter No-1581				
	verified by Mining Officer	Date-14.11.2019				
32.	Details of Lease Area in approved DSR	Page No'-12 Sr. No'-44				
33.	Proposed CER cost	2% of total project cost i.e. Rs.96.360				
	1		,	2		
34.	Proposed EMP cost	17.74 Lakhs				
35.	Length and breadth of Haul Road	552 m Length & 6m width haulage road				
36.	No. of Trees to be Planted	e Planted 500 Trees				

5. 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.

- 6. The mining operation will not be carried out in safety zone of any bridge or embankment or in ecofragile zone such as habitat of any wild fauna.
- 7. There is no litigation pending in any court regarding this project.
- 8. 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 the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to the minutes. The committee also stipulated the following specific conditions:

- 1. The project proponent shall install solar light in their site office.
- 2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
- 3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
- 4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
- 5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
- 6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of minedout land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
- 7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
- 8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
- 9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
- 10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
- 11. The project proponent should explore the possibilities of rainwater harvesting.

(Dr. Harikesh Bahadur Singh) Chairman, SEAC-2 (Dr. Amrit Lal Haldar) Member, SEAC-2 (Dr. Dineshwar Prasad Singh) Member, SEAC-2

(Tanzar Ullah Khan) Member, SEAC-2 (Prof. Jaswant Singh) Member, SEAC-2 (Dr. Shiv Om Singh) Member, SEAC-2

#### Annexure-1

#### General and Specific Conditions for Gitti, Patthar& Boulder Mining Projects: -

#### A. General Conditions:

- 1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
- 2. Forest clearance shall be taken by the proponent as necessary under the law.
- 3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
- 4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
- 5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
- 6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
- 7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
- 8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
- 9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
- 10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
- 11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
- 12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
- 13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
- 14. The transportation of the materials shall be limited to the day hours' time only.
- 15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- 16. A separate Environmental Management Cell with suitably qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.
- 17. The Project Proponent shall inform the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

- 18. The funds earmarked for environmental protection measures shall be kept in a separate account and shall not be diverted for other purposes. The year-wise expenditure shall be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board
- 19. The Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board shall monitor compliance with the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing, and other documents information should be given to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board
- 20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat, and Municipal Bodies as applicable in the matter.
- 21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
- 22. The Project Proponent has to submit a regular half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1<sup>st</sup> June and 1st December of each calendar year.
- 23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
- 24. 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 the Environment (Protection) Act, 1986.

#### B. Specific Conditions:

- 1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
- 2. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
- 3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05ha, the E.C issued will stand revoked.
- 4. This environmental clearance shall be subject to a valid lease in favor of the project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
- 5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan. The Mining plan approved by the Dept. of Mines and Geology shall be strictly implemented and shall not be operated beyond the validity period.
- 6. Explosive cannot be stored on the site. The Project proponent shall take approval from Chief Controller of Explosive, if applicable for use or storage of explosive or any such materials.
- 7. A comprehensive EIA including mining areas within 15 K.M. to assess the impact of the mining activity on the surrounding area shall be undertaken and a report submitted to this Authority within one year.
- 8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
- 9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation work in the exhausted pit shall be completed to ensure that reclamation, forest cover, and vegetation are visible during the first year of mining operations in the next pit. This process

will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.

- 10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
- 11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.
- 12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation. The company shall involve local people in the plantation programme. Details of year-wise afforestation programme including rehabilitation of mined-out area shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow every year.
- 13. Blast vibrations study shall be conducted and an observation report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for the prevention of blasting associated impact on nearby houses and agricultural fields.
- 14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the daytime only. The project proponent shall ensure prevention of displacement of human beings/wild animals/birds etc. and in case any such displacement is caused due to blasting/mining operation by any chance the project proponent shall take suitable measures for their rehabilitation and resettlement.
- 15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
- 16. Maintenance of village roads used for transportation of minerals is to be done by the company/project proponent regularly at its own expenses. The link roads from mining area to main road shall be constructed as all-weather road with black topping and maintained by the project proponent.
- 17. The surface runoff rain water harvesting/rain water recharge and water conservation measures will be taken by project proponent in consultation with central /State ground water Board .The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the mining area. The supernatant of the siltation basin and rain water harvested water shall be utilized for watering the haulage area, roads and green belt development etc.
- 18. Status of implementation shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
- 19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- 20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geotextile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
- 21. Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. An adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs if any flowing through the ML area and silts arrested. De silting at regular intervals shall be carried out.
- 22. Garland drain of appropriate size, gradient, and length shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide an adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de silted at regular intervals.

# Minutes of 589th SEAC-2 Meeting Dated 08/11/2021

- 23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine, and drainage in the direction of flow of groundwater shall be set up and records maintained.
- 24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
- 25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
- 26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
- 27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
- 28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A review of the impact of various health measures shall be conducted followed by follow-up action wherever required.
- 29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
- 30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
- 31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
- 32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes selfsustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
- 33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
- 34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e., premonsoon (AprilMay), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected

shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.

- 35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
- 36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
- 37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.
- 38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
- 39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
- 40. Project Proponent shall explore the possibility of using solar energy where ever possible.
- 41. Commitment towards CER has to be followed strictly.
- 42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
- 43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
- 44. The blasting will be done only after getting permission from the Mining Department.