



सत्यमेव जयते

File No: IA-J-11011/360/2018-IA-II(I)
Government of India
Ministry of Environment, Forest and
Climate Change
IA Division



Date 09/03/2026



To,

Dr Atul P Dwivedi
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Subject: Proposed expansion of existing explosive products along with addition of new explosive products located at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur - 441103 Maharashtra by M/s. Keltech Energies Limited - Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/IND3/556679/2025 dated 31/12/2025 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A0202MH5620410N
(ii) File No.	IA-J-11011/360/2018-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(f) Synthetic organic chemicals industry
(vi) Sector	Industrial Projects - 3 Proposed expansion of existing explosive products along with addition of new explosive products at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur - 441103 Maharashtra by M/s. Keltech Energies Ltd.
(vii) Name of Project	
(viii) Name of Company/Organization	KELTECH ENERGIES LIMITED
(ix) Location of Project (District, State)	NAGPUR, MAHARASHTRA
(x) Issuing Authority	MoEF&CC

(xi) Applicability of General Conditions as per EIA Notification, 2006 No

2. The Ministry of Environment Forest and Climate change has examined the proposal seeking Environmental Clearance for proposed expansion of existing explosive products along with addition of new explosive products located at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur - 441103 Maharashtra by M/s. Keltech Energies Limited.

3. The project is covered under the Category A of item 5(f) of the Schedule of Environment Impact Assessment (EIA) Notification, 2006 (amended from time to time) as the project site is located outside notified industrial area. Therefore the proposal is appraised at the Central Level by the Expert Appraisal Committee (EAC).

4. The Standard ToR has been issued by Ministry vide letter No. IA-J-11011/360/2018-IA-II(I) dated 21/09/2024. The project proposal was earlier considered by the Expert Appraisal Committee (Industry-3) in its 120th meeting held on 8-9 January 2026 wherein it was deferred for want of additional information. Subsequently, PP submitted ADS reply. The project proposal was considered by the Expert Appraisal Committee (Industry-3) in its 122nd meeting held on 12.02.2026 wherein the Project Proponent and the accredited Consultant M/s. Anacon Laboratories Pvt. Ltd., Nagpur (Certificate No. NABET/EIA/23-26/RA 0304_Rev.01 dt. 13th March, 2024 Valid up to 29th Sept. 2026), made a detailed presentation on the salient features of the project and informed that:

5. Existing project land area is 45.9962 Ha., and no additional land is required for proposed expansion. Thus, total project area after proposed expansion will be 45.9962 Ha. The entire land is already in the name of M/s. KEL and already diverted for industrial purpose.

Sr. No.	Particulars of Land	Area in Ha.	Present Status
A)	Private Land	45.9962	Already acquired
B)	Forest Land**	-	No Forest land
	Total Land	45.9962	Already acquired (100%)
C)	Private Land	-	-
Total land area Applied for EC		45.9962	
**(No Forest Land. The entire land is already in the name of M/s. KEL and already diverted for industrial purpose.)			

PP submitted the copy of letter No. 443 dated 04.11.2025 issued by the Forest Department, Kondhali stating that no forest land is involved within the project site.

6. The details of products and capacity as under:

A) Products Requiring EC & covered under category 5(f) of Sch. 2 of EIA Notification 2006						
Sl. No.	Product	CAS No.	Existing Capacity as per EC (MTPA)	Proposed additional capacity (MTPA)	Total capacity after proposed expansion (MTPA)	Remarks
Explosives						
1.	PETN	78-11-5	1,600	3200	4800	Capacity enhanced
2.	Lead Styphanate	5245-44-0	5	-	5	No Change
3.	Lead Azide	13424-46-9	12	-	12	No

						Change
4.	Mono Methyl amine nitrate (MMAN)	22113-87-7	5000	-	5000	No Change
5.	TNT	118-96-7	-	4000	4000	In existing EC, only permission for storage of 60 MT at any time
6.	HMX/HNS/RDX	2691-41-0/20062-22-0/121-82-4	-	1000	1000	Proposed addition
7.	Nitrocellulose	9004-70-0	Nil	500	500	Proposed addition
8.	Nitro-glycerine	55-63-0	Nil	500	500	Proposed addition
9.	Ammonium nitrate (purchased/ storage)	6484-52-2	1200	1800	3000	Capacity enhanced
10.	NHN	69101-54-8	Nil	30	30	Proposed addition

Chemicals

11.	Mono Methyl amine (purchased/ storage)	74-89-5	15000	Nil	15000	No Change
12.	LPG /CNG (purchased/storage)	68476-85-7/74-82-8	15000	Nil	15000	No Change
13.	Styphnic Acid	82-71-3	10	Nil	10	No Change

B) Products not requiring EC – Explosives are filled in containers with ignition devices as same are Not Covered in EIA Notification 2006

Sr. No.	Product	CAS No.	Existing Quantity as per EC (MTPA)	Proposed additional Quantity (MTPA)	Total after proposed expansion (MTPA)	Remarks
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Explosives

1.	SME Bulk	NA	20,000	20,000	40,000	Capacity enhanced
2.	Slurry/ Emulsion	NA	45,000	-	45,000	No Change
3.	Detonators	NA	150 million Nos.	-	150 million Nos.	No Change
A	Shock tube	NA	50 million meters	-	50 million meters	No Change
B	Delay Elements	NA	50 million Nos.	-	50 million Nos.	No Change
4.	Detonating Fuse	NA	50 Million Meters	-	50 Million Meters	No Change
5.	Cast Booster	NA	200	1,000	1,200	Capacity enhanced
6.	Expanded Perlite	93763-70-3	10 MT/day	15 MT/day	25 MT/day	Capacity enhanced

Chemicals

	05/O/CC-400	Operate			10 MT/day
4.	Consent No. BO/RO/NAGPUR-55/O/CC-88	Consent to Operate	21.04.2005	31.03.2010	Slurry/Emulsion Explosive – 60 MT/day
5.	Consent No. BO/RO NAGPUR/PCI-I/EIC-780-06/R/CC-407	Consent to Operate	14.11.2006	31.03.2010	1. Slurry/Emulsion Explosive – 60 MT/day 2. Expanded Perlite – 10 MT/day
6.	Consent No. NRO/ NAGPUR/E-17 of 2008/382-CC/698/10	Consent to Operate	30.03.2010	31.03.2015	1. Slurry/Emulsion Explosive – 60 MT/day 2. Expanded Perlite – 10 MT/day
7.	Consent No. NRO/ NAGPUR/E-17 of 2008/383/CC-690/2011	Consent to Operate	30.05.2011	31.03.2015	1. PETN – 1.50 MT/day 2. Detonating Fuse-120000 MT/day 3. Cast Booster – 500 Kg/day
8.	Consent No. B.O/AST/EIC. NO-NG-9971-13/R/Gen 03961	Consent to Operate	29.04.2014	31.03.2015	1. PETN – 1.50 MT/day 2. Detonating Fuse-120000 MT/day 3. Cast Booster – 500 Kg/day 4. Slurry/Emulsion Explosive – 60 MT/day
9.	Consent No. B.O/MPCB/AST/EIC. No-NG-12411-15/R/CC-12798	Consent to Operate	07.10.2015	31.03.2016	1. PETN – 1.50 MT/day 2. Detonating Fuse-1,20,000 MT/day 3. Cast Booster – 500 Kg/day 4. Slurry/Emulsion Explosive – 60 MT/day 5. Expanded Perlite – 10 MT/day
10.	Consent No. B.O/MPCB/AST/Auto Renewal/R/CC-11	Consent to Operate	27.06.2016	31.03.2021	1. PETN – 1.50 MT/day 2. Detonating Fuse-1,20,000 MT/day 3. Cast Booster – 500 Kg/day 4. Slurry/Emulsion Explosive – 60 MT/day 5. Expanded Perlite – 10 MT/day
11.	No:- Format1.0/CC/UAN No.0000172933/CE/2307001549	Consent to Establish	25.07.2023	24.07.2028	1. Lead Styphnate – 5 MTPA

		(Expansion)			<p>2. Lead Azide – 12 MTPA</p> <p>3. Detonators – 150 Million Nos./Year</p> <p>4. Delay Element – 50 Million Nos./Year</p> <p>5. Cast Booster – 20 MTPA</p> <p>6. PETN – 232 MTPA</p> <p>7. MMAN – 5000 MTPA</p> <p>8. Detonating Fuse – 6800000 Mtrs/Y</p> <p>9. Shock Tube – 50 Million meter/Y</p>
12.	No: Format1.0/AS(T)/UAN No. MPCBCONSENT-0000159780/CR/2306002321	Amendment in 1 st Consent to Operate (Expansion) in amalgamation with renewal of Consent to Operate	30.06.2023	31.03.2028	<p>1. Slurry/Emulsion Explosives – 3750 MT/M</p> <p>2. Cast Booster – 15 MT/M</p> <p>3. PETN – 114 MT/M</p> <p>4. Perlite – 300 MT/M</p> <p>5. Detonating Fuse – 3600000 Mtrs/M</p> <p>6. Bulk Explosive – 1650 MT/M</p>
13.	No: Format1.0/AST/UAN No.MPCB-2112001041 CONSENT-0000121763/CR	Amendment in 1 st Consent to Operate for Expansion in amalgamation with existing Consent to Operate	21.12.2021	31.03.2023	<p>1. Slurry/Emulsion Explosives – 3750 MT/M</p> <p>2. Cast Booster – 15 MT/M</p> <p>3. PETN – 90 MT/M</p> <p>4. Perlite – 300 MT/M</p> <p>5. Detonating Fuse – 3600000 Mtrs/M</p> <p>6. Bulk Explosive – 1650 MT/M</p>
14.	Format1.0/AS(T)/UAN No. MPCBCONSENT-0000159780/CR/2306002321	Amendment in 1 st Consent to Operate (Expansion) in amalgamation with renewal of Consent to Operate	30.06.2023	31.03.2028	<p>1. Slurry/Emulsion Explosives – 3750 MT/M</p> <p>2. Cast Booster – 15 MT/M</p> <p>3. PETN – 114 MT/M</p> <p>4. Perlite – 300 MT/M</p> <p>5. Detonating Fuse – 3600000 Mtrs/M</p> <p>6. Bulk Explosive – 1650 MT/M</p>

15.	Format I.0/CC/UAN MPCB CONSENT- 0000183363/CO/2401000860	No.	1st Consent to Operate (Expansion) in amalgamation with existing consent to operate	06.01.2024	31.03.2028	1. Slurry/Emulsion Explosives – 45000 MT/A 2. Cast Booster – 200 MT/A 3. PETN – 1600 MT/A 4. Perlite – 3600 MT/A 5. Detonating Fuse – 50000000 Mtrs/Y 6. Bulk Explosive – 19800 MT/A
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10. It is reported that there is no National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, within the study area. The nearest wildlife sanctuary was Bor Tiger Reserve (Wildlife Sanctuary) is 14.1 km in SSW direction from project site. Bor River is flowing at a distance of 2.12 km in South direction along with some other river/water bodies. Wildlife Conservation Plan vide letter- KEL/GSM/WCP/25-26 dated 02.07.2025 is submitted to the Deputy Conservator of Forest (T), Nagpur with an allocated budget of Rs. 30 Lakhs. List of 16 Nos. of the Schedule-I species is given below for which Wildlife Conservation and Management Plan was prepared.

Sr. No.	Scientific Name	English Name	Common Name	IUCN Status
1	<i>Panthera tigris</i>	Tiger	Wagh	EN
2	<i>Panthera pardus</i>	Leopard	Bibatya	VU
3	<i>Canis aureus</i>	Indian Jackal	Kolha	LC
4	<i>Felis chaus</i>	Jungle cat	Ranmanjar	LC
5	<i>Cervus unicolor</i>	Sambhar deer	Bhekad	VU
6	<i>Hystrix indica</i>	Indian Porcupine	Sayal	LC
7	<i>Vulpes bengalensis</i>	Indian fox	Kolha	LC
8	<i>Herpestes edwardsi</i>	Common Mongoose	Mongoose	LC
9	<i>Varanus bengalensis</i>	Bengal monitor lizard	Ghorpad	NT
10	<i>Ptyas mucosus</i>	Common Rat Snake	Dhaman	LC
11	<i>Naja naja</i>	Indian Cobra	Nag	LC
12	<i>Python molurus</i>	Indian Rock Python	Ajgar	NT
13	<i>Daboia russelii</i>	Russell's viper	Viper	LC
14	<i>Accipiter badius</i>	Shikra	Shikra	LC
15	<i>Pavo cristatus</i>	Indian peafowl	Mor	LC
16	<i>Sterna aurantia</i>	River Tern	Nadi Surai	VU

11. Details of project site proximity (in km) to sensitive areas:

Sr. No.	Particulars	Details
1	Habitation	Garamsur - 0.53 Km/NNW
2	School	1. ZP School Bazargaon - 2.77 Km/ESE 2. Nagarjuna Institute of Engineering, Technology & Management, Nagpur - 5.92 Km/ESE 3. Z P Primary School Ringanabodi - 3.25 Km/SW
3	River/Waterbody	1. Bor Nala - 2.12 Km/S

		2. Lake of Bazargaon - 2.24 Km/ESE 3. Unna Nala - 6.76 Km/ENE 4. Mordham Dam and Reservoir - 8.96 Km/NE 5. Jam River Dam and Reservoir - 9.52 Km/NW 6. Kotwalbardi Talav - 6.06 Km/NNE 7. Digdoh Lake - 7.52 Km/SSE 8. Jam River - 8.90 Km/WNW 9. Ghordyo Nala - 6.90 Km/ENE 10. Wena Dam and Reservoir - 11.40 Km/E
4	Hospital	Taori Hospital - 9.85 Km/WSW
5	Forest	1. Kondhali Reserved Forest - Adjoining/S 2. Dhaga Reserved Forest - 4.20 Km/E 3. Bazargaon Reserved Forest - 8.45 Km/ENE 4. Jamni Reserved Forest - 7.7 Km/SSW 5. Sonegaon Reserved Forest - 9 Km/S 6. Protected Forest near Wasbodi Village - 7.45 Km/NNW 7. Madhogarh Reserved Forest - 5.23 Km/ENE 8. PF near - 9.42 Km/WNW

12. Ambient air quality monitoring was carried out at 8 locations during **15th Oct 2024 to 15th Jan 2025** and the baseline data indicates the ranges of concentrations as: **PM₁₀ (57.7-70.2 g/m³), PM_{2.5} (21.2-31.9 µg/m³), SO₂ (8.5-15.2 g/m³) and NO₂ (18.3-27.4 g/m³)**. AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be **0.39 µg/m³, 0.02 µg/m³, 0.0 µg/m³ and 0.51 µg/m³** with respect to PM₁₀, PM_{2.5}, SO₂ and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

13. Existing fresh water requirement is 80 KLD and proposed additional fresh water requirement is 200 KLD. Thus, total water requirement after proposed expansion will be 406 KLD, out of which 280 KLD will be fresh water, which will be sourced from Groundwater within plant area and remaining 126 KLD water requirement will be met from recycled water.

Existing, approval of CGWA for 80 KLD is in place vide NOC No. NOC/IND/MH/2025/10449/R-3/3 issued Dtd. 29.11.2025 valid till 22.10.2028. Renewal application with additional water requirement has already been applied on Dt. 18.10.2025 for 280 KLPD.

14. After proposed expansion total industrial wastewater 110 KLD (20 industrial cooling, boiler blowdown after neutralization & 20 Process) will be treated in the ETP and 100 KLD treated water will be recycled & reused in process / cooling tower to achieve ZLD. Domestic wastewater of 27 KLD will be treated in STP and 26 KLD treated water will be recycled for gardening.

15. Rainwater storage tank capacity (3 nos. x 8000 KL): - KEL has already established rainwater harvesting and groundwater recharge structures, with a current rainwater harvesting capacity of 24,000 KLD, supported by three ponds within the premises. These ponds facilitate natural percolation, thereby aiding in the recharge of the local groundwater table.

16. The power requirement for the existing plant is 1000 kVA. In view of proposed expansion an additional 2500 kVA power will be required. Thus, after proposed expansion total power requirement will be 3500

KVA & will be sourced from 33/11 KV feeder of MSEDCL dedicated grid supply. Renewable power (Solar Panel) of capacity 500 KW will be installed. The industry has obtained Load Sanction Letter from MSEDCL. The company has existing DG sets with capacities of 1x 200 kVA, 2 x 500 kVA each as a standby arrangement. For the proposed expansion 5 x 500 kVA DG set is proposed. Stack (height) will be provided as per CPCB norms to the proposed DG sets.

17. Existing unit has 3 TPH (1 Nos.) boiler and 1 TPH (1 Nos.) standby boiler. The existing facilities are all well equipped with proper Air Pollution control equipment at various locations for controlling the particulate emissions within the statutory limit of <150 mg/Nm³ for the proposed boilers.

Sr. No.	Source	APC System provided/proposed	Stack Height (in m)	Type of Fuel	Emission Level
Existing					
1.	Boiler-1 (3TPH)	Multi Cyclone and Fabric Bag Filter	30	Briquettes (Bio)	TPM – 150 mg/Nm ³ SO ₂ – 14.4 Kg/day
2.	Stand-By Boiler-2 (1 TPH)	Multi Cyclone and Fabric Bag Filter	30	Briquettes (Bio)	TPM – 150 mg/Nm ³ SO ₂ – 14.4 Kg/day

Sr. No.	Source	APC System provided/proposed	Stack Height (in m)	Type of Fuel	Emission Level
Existing					
1.	DG Set (1 x 200 kVA)	Acoustic Enclosure Stack along with retro fitting	6 (from roof top)	HSD	SO ₂ - 9.6 Kg/day
2.	DG Set (2 x 500 kVA)	Acoustic Enclosure Stack along with retro fitting	6 (from roof top)	HSD	SO ₂ - 3.84 Kg/day
Proposed					
3.	DG Sets (5 x 500 kVA) (Standby mode)	Acoustic Enclosure Stack along with retro fitting	30	HSD	SO ₂ - 9.6 Kg/day

18. Details of fuel:

Fuel	Existing Quantity	Proposed Quantity	Total requirement after expansion
HSD	28 Kg/Hr	120 Kg/Hr	148 Kg/Hr
Briquettes	850 Kg/Hr	-	850 Kg/Hr
LPG	180 Kg/Hr	120 Kg/Hr	300 Kg/Hr

19. Details of Process emissions generation and its management:

Sr. No.	Source	APC System provided/proposed	Stack Height (in m)	Type of Fuel	Emission Level
Existing					
1.	Boiler	Multi Cyclone and Fabric Bag Filter	30	Briquettes (Bio)	PM = 50 mg/Nm ³ SO ₂ = 300 mg/Nm ³ and NO ₂ = 150 mg/Nm ³
2.	Hot water Generator	Multi Cyclone and Fabric Bag Filter	13	Briquettes (Bio)	PM = 50 mg/Nm ³ SO ₂ = 300 mg/Nm ³ and NO ₂ = 150 mg/Nm ³

3.	Perlite Plant	Dust Collector	12	LPG	PM = 30 mg/Nm ³
4.	PETN Plant	Wet Scrubber (Alkaline/Water) along with adequate Stack Height	10	-	Acid Mist – 35 mg/Nm ³
5.	PETN Plant New	Wet Scrubber (Alkaline/Water) along with adequate Stack Height	10	-	Acid Mist – 35 mg/Nm ³
Proposed					
6.	TNT Plant	Wet Scrubber (Alkaline/Water) along with adequate Stack Height	18	-	Acid Mist – 30 mg/Nm ³ , NO ₂ – 200 mg/ Nm ³
7.	HMX/RDX/HNS Plant	Wet Scrubber (Alkaline/Water) along with adequate Stack Height	11	-	Acid Mist – 30 mg/Nm ³ , NO ₂ – 200 mg/ Nm ³
8.	PETN Plant	Wet Scrubber (Alkaline/Water) along with adequate Stack Height	18	-	Acid Mist – 30 mg/Nm ³ , NO ₂ – 200 mg/ Nm ³
9.	Nitro Cellulose	Wet Scrubber (Alkaline/Water) along with adequate Stack Height	11	-	Acid Mist – 30 mg/Nm ³ , NO ₂ – 200 mg/ Nm ³
10.	Nitro Glycerine	Wet Scrubber (Alkaline/Water) along with adequate Stack Height	11	-	
11.	NHN	Wet Scrubber (Alkaline/Water) along with adequate Stack Height	11	-	

20. Details of Solid waste/ Hazardous waste generation and its management:

SOLID/NON-HAZARDOUS WASTE GENERATION & MANAGEMENT					
Sr. No.	Type of waste	Existing Quantity	Proposed Quantity	Total after expansion	Disposal Plan
1.	Boiler Ash	650 Kg/day	350 Kg/day	1000 Kg/day	Will be utilized for leveling low lying areas within factory premises.
2.	Perlite ore waste	5 MT/M	-	5 MT/M	Will be utilized for leveling low lying areas within factory premises
3.	STP Sludge	11 Kg/day	24 Kg/day	35 Kg/day	Used for green belt development within plant premises.
4.	Dry municipal waste				Shall be sent to authorized recyclers.
5.	Wet Municipal Waste				Shall be converted into compost at project site. Compost shall be used as manure for greenbelt development purpose.

HAZARDOUS WASTE GENERATION & MANAGEMENT							
Sr. No.	Type of waste	Category as per HWM Rule	Existing Quantity	Proposed Quantity	Total after expansion	Treatment	Disposal Plan
1.	Used or spent oil	5.1	25 Kg/A	50 Kg/A	75 Kg/A	Recycle	CHWTSDF/Reuse
2.	Spent acid	29.6	330	500	830 MT/M	Recycle	CHWTSDF/Reuse

			MT/M	MT/M			
3.	Wastes or residues containing oil	5.2	40 Kg/A	50 Kg/A	90 Kg/A	Incineration	CHWTSDF
4.	Empty barrels /containers/liners contaminated with hazardous chemicals/wastes	33.1	4800 Kg/M	6000 Kg/M	10800 Kg/M	Recycle	CHWTSDF/Reuse
5.	ETP Sludge	35.3	360 Kg/M	500 Kg/M	860Kg/M	ETP sludge is separated at the sludge drying beds of ETP. Sun dried sludge is collected and stored in LDPE lined bags and disposed to CHWTSDF.	CHWTSDF

E-WASTE GENERATION & MANAGEMENT (TPA)						
Sr. No.	Type of waste	Existing Quantity	Proposed Quantity	Total after expansion	Treatment	Disposal Plan
1.	E-waste	0.25	0.15	0.4	Recycle	Sent to MPCB approved disposal facility

BATTERY-WASTE GENERATION & MANAGEMENT (TPA)				
Sr. No.	Type of waste	Source of Generation	Quantity (TPA)	Disposal Plan
1.	Battery-waste	Used battery	4	Given to authorized vendor and disposed as per battery management rule 2022.

PLASTIC WASTE GENERATION & MANAGEMENT (TPA)				
Sr. No.	Type of waste	Source of Generation	Quantity (TPA)	Disposal Plan
1.	Plastic waste	Packaging material, plastic bags	30	Given to authorized recycler as per plastic waste management and handling rule 2016.

21. Public Hearing for the proposed project has been conducted by the Maharashtra Pollution Control Board on 17.05.2025 at 12:00 Noon, which was presided by Additional District Magistrate, District Nagpur.

PP submitted action plan to address issues raised during the public hearing :

Issues/ Queries/ Comment/Objections Suggestion	Response/Commitment from Project Proponent	Action plan with time frame and budget
1) Shri. Bandu Rathod, Mahurkhora, Tal. Katol, District – Nagpur		

The company's pollution is causing crop damage and spread of diseases, and the groundwater level has decreased. Also, local people should be provided with employment.

1. Crop Damage and Health Impacts due to Pollution:

The company operates strictly in compliance with the environmental standards prescribed by the Central Pollution Control Board (CPCB) and the Maharashtra Pollution Control Board (MPCB). All air, water, and noise emissions are monitored regularly through a third-party NABL-accredited laboratory. As per recent reports, all parameters are within permissible limits.

However, considering the concerns raised, the company is committed to implement site specific mitigation measures for our expansion project.

Air pollution control measures:

The company has proposed robust air pollution control systems across various units of the plant to ensure compliance with prescribed emission norms:

- At the **boiler**, a **Fabric Bag Filter** along with a **Multi - Cyclone separator** will be installed to control particulate matter emissions.

- At the **Perlite Plant**, a **Dust Collector** system is proposed to manage dust generated during processing.

- At the **PETN Plant, TNT Plant, HMX/HNS/RDX Plant, Nitrocellulose Plant, Nitroglycerine Plant, and NHN Plant**, **Scrubbers** equipped with **adequate stack heights** will be provided to effectively treat and disperse process emissions.

These measures are designed to ensure that air emissions remain within the limits prescribed by the **Central Pollution Control Board (CPCB)** and the **State Pollution Control Board (SPCB)**, thereby minimizing the impact on ambient air quality and surrounding communities.

2. The project has an existing 60 KLD ETP and will propose additional 70 KLD ETP for treatment of Industrial waste water and 40 KLD STP for treatment of domestic waste water. Treated Industrial water from ETP will recycle in the process. Whereas, treated domestic wastewater from STP will be used in green belt development. Total 100 KLD treated water will be reused/recycled in process.

- Closed circuit circulation system will be followed.

3. Groundwater Level Depletion

The company draws water in accordance with

**Total EMP Cost –
Cap. Cost Rs. 511 Lakhs and Rec. cost Rs. 141.5 Lakhs**

Air Pollution Control Measures

Capital Cost Rs. 20 Lakhs

Recurring Cost Rs. 2 Lakhs

Water & Waste Water Management

Capital Cost Rs. 120 Lakhs

Recurring Cost Rs. 7.5 Lakhs

Rain Water Harvesting

Capital Cost Rs. 30 Lakhs

Recurring Cost Rs. 2 Lakhs

During Construction Phase:

50 Manpower (Temporary Basis)

During Operation Phase:

Direct Additional Employment: 546 Nos.(Permanent basis)

Indirect Employment: 100 Nos.

100% unskilled, 80% semi-skilled and not less than 50% administration employment will be should be given to local persons as per Maharashtra's Govt. policy, industrial units.

Total CER Cost : Rs 130 Lakhs

Rain Water Harvesting Structures (Total 10 Nos.) will be implemented in 5 villages (2 per village).

RWH Cost under CER: Rs. 6,53,500

	<p>the NOC granted by the Central Ground Water Authority (CGWA). It has already established rainwater collection ponds of capacity 24,000 KLD within the premises for greenbelt development.</p> <p>The company also ensures zero liquid discharge policy with complete recycling and reuse of process water within the facility. Additionally, new groundwater recharge structures will be developed in nearby villages as part of the Corporate Environment Responsibility (CER) initiatives.</p> <p>Employment to Local People</p> <p>The company recognizes the importance of inclusive growth and is committed to provide maximum employment opportunities to local residents. The proposed expansion will generate substantial employment opportunities, with a total of 802 direct jobs (256 existing + 546 proposed) and approximately 100 indirect jobs through enhanced transport, security, canteen, maintenance, and local vendor activities. Preference is already given to locals for semi-skilled and unskilled jobs. Moreover, the company will initiate skill development and vocational training programs in collaboration with local institutions to enhance employability.</p>	
<p>2) Shri. Yashwant Pawar, Garamsur, Tal. Katol, District-Nagpur.</p>		
<p>The explosions cause a lot of noise and reduce the crop production of farmers in the area.</p>	<p>The company acknowledges the concern raised regarding noise generated from explosive operations and its possible effect on agricultural productivity in the surrounding areas.</p> <p>It is important to clarify that all explosive-related activities are conducted strictly as per the guidelines of the Petroleum and Explosives Safety Organization (PESO) and other applicable statutory authorities. Blasting, if any, is carried out in controlled conditions within designated zones, using modern technology to minimize vibration, noise, and dispersion effects.</p> <p>Further, a baseline noise monitoring study was conducted as part of the Environmental Impact Assessment (EIA), and noise levels were found to be within the prescribed limits of the CPCB norms, even at sensitive receptor locations. During the expansion phase, additional noise mitigation measures (like acoustic enclosures, greenbelt buffers, and scheduling of operations during non-</p>	<p>Total EMP Cost – Cap. Cost Rs. 511 Lakhs and Rec. Cost Rs. 141.5 Lakhs Environmental Monitoring Cost Rs. 25 Lakhs Noise Reduction Systems Capital Cost Rs. 5 Lakhs Recurring Cost Rs. 1 Lakhs</p>

	<p>sensitive hours) will be implemented to further reduce impact.</p> <p>Regarding the issue of crop yield reduction, there is no scientific evidence correlating regulated industrial noise from explosives manufacturing units to decreased agricultural productivity.</p> <p>The company remains committed to environmental protection and community welfare and will ensure that operations do not adversely affect the livelihood or health of local farmers.</p>	
<p>3) Shri. Ramrao Chavan, Member of G.P. Mahurkhora, Tal. Katol, Dist-Nagpur.</p>		
<p>The company's explosives cause vibrations in the nearby villages. compensation should be given in case of damages caused. The water levels in wells and bore wells in the nearby area have gone down. The crop production has also reduced remarkably.</p>	<p>The company appreciates the feedback and concerns expressed by the local community during the public hearing and wishes to respond to the following points:</p> <p>1. Vibrations from Explosive Operations and Damage Compensation</p> <p>The company strictly follows the safety norms and operational protocols laid down by the Petroleum and Explosives Safety Organisation (PESO) and other statutory authorities. Explosive handling and any related activities, including testing (if applicable), are conducted in a controlled and isolated environment within the licensed premises, well away from village settlements.</p> <p>However, in the unlikely event that any verified damage is linked directly to company operations, the company remains committed to cooperating with local authorities to assess the situation and provide necessary support or compensation in accordance with applicable laws and regulations.</p> <p>2. Reduction in Water Levels in Wells and Borewells</p> <p>A hydrogeological study was undertaken, and it indicated that the project does not contribute significantly to groundwater depletion. Water for operations is sourced as per approvals from the competent CGWA. The area is following under safe zone as per CGWA.</p> <p>3. Reduction in Crop Production:</p> <p>Based on the air quality, soil, and noise monitoring studies conducted by accredited laboratories, all parameters were found to be within CPCB-prescribed norms. No pollutants harmful to soil fertility or crop productivity are released from the plant operations.</p>	<p>Total EMP Cost – Cap. Cost Rs. 511 Lakhs and Rec. Cost Rs. 141.5 Lakhs Environmental Monitoring Cost Rs. 25 Lakhs Noise Reduction Systems Capital Cost Rs. 5 Lakhs Recurring Cost Rs. 1 Lakhs Rain Water Harvesting Capital Cost Rs. 30 Lakhs Recurring Cost Rs. 2 Lakhs</p>

	4. The company is committed to responsible industrial development , maintaining transparent dialogue with the community , and ensuring that its operations are aligned with environmental sustainability and community well-being .	
4) Shri. Sunanda Reddy, Environmentalist		
He has unconditional support for the project as the proposed project will generate employment. The PP shall take effective steps towards increase in rainwater harvesting.	The company acknowledges and appreciates the unconditional support extended by Ms. Sunanda Reddy towards the proposed project, particularly in view of its employment generation potential. With regard to rainwater harvesting, the proponent informed that the existing facility has a rainwater collection pond of capacity of 24,000 KLD.	Total EMP Cost – Cap. Cost Rs. 511 Lakhs and Rec. Cost Rs. 141.5 Lakhs Rain Water Harvesting Capital Cost Rs. 30 Lakhs Recurring Cost Rs. 2 Lakhs
Suggestion by Hema Deshpande, Member of Environment public hearing panel and Regional Officer, M.P.C.Board, Nagpur		
1. The project proponent shall take appropriate measures to control pollution effectively. 2. The air pollution control systems should be operated efficiently and air quality standards prescribed by the regulatory authorities must be strictly followed . 3. Operations should be conducted in a manner that avoids inconvenience to residents of nearby villages . 4. The project proponent must inform local people about the environmental and social impacts of the project. 5. The public should be made aware of the Off-Site Emergency Plan , particularly regarding the protocol in the event of any explosion or emergency affecting nearby villages.	The company sincerely thanks to Smt. Hema Deshpande for her valuable guidance and suggestions during the public hearing. We wish to submit the following response: 1. Pollution Control Measures: The company is committed to implement all necessary pollution control measures as per EIA-EMP report to ensure that emissions and discharges remain well within the limits prescribed by the Central and State Pollution Control Boards. Regular monitoring will be carried out through NABL-accredited laboratories, and corrective actions will be taken, if required. 2. Air Pollution Control Systems: The company is committed to implement site-specific mitigation measures as part of the proposed expansion project to ensure effective air pollution control. ● At the boiler , a Fabric Bag Filter in combination with a Multi-Cyclone separator will be installed to control particulate emissions. ● At the Perlite Plant , a Dust Collector system will be employed to manage fine dust generated during operations. ● For process units such as the PETN Plant, TNT Plant, HMX/HNS/RDX Plant, Nitrocellulose Plant, Nitroglycerine Plant, and NHN Plant , Scrubbers with adequate stack heights will be provided to ensure effective treatment and dispersion of process gases. These systems have been selected based on Best Available Technologies (BAT) and	Total EMP Cost – Cap. Cost Rs. 511 Lakhs and Rec. cost Rs. 141.5 Lakhs Air Pollution Control Measures Capital Cost Rs. 20 Lakhs Recurring Cost Rs. 2 Lakhs Water & Waste Water Management Capital Cost Rs. 120 Lakhs Recurring Cost Rs. 7.5 Lakhs Rain Water Harvesting Capital Cost Rs. 30 Lakhs Recurring Cost Rs. 2 Lakhs Occupational Health & Safety Capital Cost Rs. 15 Lakhs Recurring Cost Rs. 1 Lakhs

	<p>applicable emission norms, and they will be maintained regularly to ensure continuous compliance with CPCB/SPCB standards.</p> <p>3. Compliance with Standards: The project proponent assures that all activities will strictly adhere to the prescribed environmental standards, particularly for air quality, to avoid any inconvenience or adverse impact on the local communities.</p> <p>4. Public Awareness on Environmental and Social Impacts: The company will organize awareness and stakeholder engagement programs to educate the local population about the project's social and environmental impacts. Regular interaction with the community will be maintained through a grievance redressal mechanism and public information boards.</p> <p>5. Off-Site Emergency Plan Awareness: An Off-Site Emergency Plan is already submitted to district authorities. The company will ensure that awareness programs and mock drills are conducted in the nearby villages to educate the public about emergency procedures and safety measures in case of any unforeseen incident.</p>	
<p>Suggestions by Shri. Anup Khande, Chairman of Environment public hearing panel and Additional District Magistrate, Nagpur</p>		
<ul style="list-style-type: none"> ● The project proponent shall inform the local community about the social and environmental impacts of the proposed project. ● A suitable NGO should be engaged for water conservation to help address local water scarcity issues. ● The project proponent shall prepare and share an emergency management plan, and appoint a Public Relations Officer to liaise with the local Gram Panchayat. ● The CSR expenditure appears to be on the lower side and should be considered for enhancement. 	<p>The project proponent sincerely thanks Shri. Anup Khande for his valuable observations and constructive suggestions during the public hearing. Our response to the suggestions is as follows:</p> <p>1. Informing the Local Community about Social and Environmental Impacts: The company is committed to maintaining transparency with the local community. Information regarding the social and environmental impacts of the proposed expansion project will be shared through regular community meetings, display boards, and public awareness programs, in coordination with the local Gram Panchayat.</p> <p>2. Engagement of NGO for Water Conservation: A suitable NGO with expertise in water conservation will be identified and engaged to implement water resource management and recharge initiatives in nearby areas, in consultation with local stakeholders.</p> <p>3. Emergency Management Plan and Public Relations Officer: A comprehensive Off-Site Emergency Management Plan will be prepared in line</p>	

	<p>with statutory guidelines, and shared with the local authorities and community. Additionally, a Public Relations Officer (PRO) will be appointed to serve as a liaison between the company and the local Gram Panchayat to ensure smooth communication and timely redressal of community concerns.</p> <p>4. Enhancement of CSR Expenditure: The suggestion regarding CSR expenditure has been duly noted. The company will review and consider enhancing its CSR budget in alignment with community needs, and will focus on priority areas such as education, health, sanitation, skill development, and environmental conservation.</p> <p>The project proponent remains committed to inclusive development and meaningful community engagement throughout the project lifecycle.</p>	
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22. Details/Status of approved Water Supply Permission:

Existing, approval of CGWA for 80 KLD is in place vide NOC No. NOC/IND/MH/2025/10449/R-3/3 issued Dtd. 29.11.2025 valid till 22.10.2028. Renewal application with additional water requirement has already been applied on Dt. 18.10.2025 for 280 KLPD on BhuNeer portal. Presently the application approval is under process.

23. Details/Status of approved Wildlife Conservation Plan: The site specific Wildlife conservation plan is prepared and submitted at Deputy Conservation of Forest (T), Nagpur vide letter- KEL/GSM/WCP/25-26 dtd. 02.07.2025 with an allocated budget of Rs. 30 Lakhs.

24. **Details of Best Technology Adopted:** The company uses tested technology which is proven for performance, reliability and safety. At the same time, the company also develops new and innovative products and production techniques through in-house research and development to deliver products of international quality. Details are provided in **Chapter 2, Section 2.6, Page No. 2-11 to 2-25.**

25. It is reported that no litigation is pendency against the project.

26. Industry will develop greenbelt in an area of 29.9050 Ha. i.e., 65% within plant premises. The industry will plant 74,762 nos. of tree saplings (at a density of 2,500 trees per hectare).

27. Total Employment will be 802 persons as direct & more than 100 persons indirect after expansion. Industry proposes to allocate Rs 1.5 Crores towards CER.

28. The estimated project cost is Rs 136.4 Crores including existing investment of Rs 36.4 Crores and proposed investment of Rs. 100 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs 511 Lakhs and the Recurring cost (operation and maintenance) will be about Rs

141.5 Lakhs. The breakup of capital and recurring cost is as follows:

Sr. No.	Description	Estimated cost (Rs. lakhs)	
		Capital cost	Recurring /Maintenance cost
1.	Air Pollution Control Measures	20	2
2.	Water and Wastewater Management (proposed ETP & STP)	110	5.5
3.	Green belt and landscaping	40	5
4.	Rain water harvesting	30	2
5.	Environmental monitoring & Annual audit	--	25
6.	Occupational health and safety (Provision of PPE, Medical Examination)	15	1
7.	Solid and Hazardous waste Management	1	100
8.	Noise Reduction Systems	5	1
9.	Corporate Environmental Responsibility (CER)	130	-
10.	Wildlife Conservation Plan	30	-
11.	Budgetary Provision for Solar Installation	130	-
Total		511	141.5

29. **SPCB comments:**

The proposal of M/s Keltech Energies Limited was submitted by PP on 31/12/2025. The project proposal was earlier considered by the Expert Appraisal Committee (Industry-3) in its 120th meeting held on 8-9th January 2026 wherein it was deferred for want of additional information. As per para 6 of OM no. IA-J-11013/20/2025-IA-P dated 25th November 2025, the project was exempted from obtaining comments from SPCB/PCCs till 31.01.2026. PP submitted ADS reply on 03.02.2026. Subsequently, proposal was listed the 122th meeting held on 12.02.2026. Accordingly, a meeting notice was emailed to Member Secretary, MPCB on 09.02.2026 for attending the EAC meeting to be held on 12.02.2026 through virtual mode. However, no official from MPCB attended the said EAC meeting.

30. **Deliberations by the EAC:**

The following points were discussed in the meeting:

1. PP informed that the industry has dropped the additional land area admeasuring 3.3753 Ha from the proposed expansion project. PP informed that the following survey numbers have been dropped i.e., Survey Nos. 116, 157, 167/1, 167/2, 167/3, 168/1, 168/2, 168/3. Accordingly, PP submitted revised plant layout. PP also uploaded revised KML file of the project site. Therefore, the final project land area remains the same as per earlier EC granted i.e. 45.9962 Ha.

2. PP reported that the existing plant has already obtained environmental clearance Vide File No. IA-J- 11011/360/2018-IA II (I) dated 14th July, 2020 EC was granted for land area admeasuring 45.9962 Ha. The land title was clear and also registered in the name of M/s. Keltech Energies Limited. Also, the land is converted for industrial purpose.

3. PP submitted safety audit report. PP also submitted ATR on recommendations of safety audit report. PP informed that the 1 no. of pending observation is regarding installation of Anemometer, which will be completed by the end of February 2026, as the same has been procured and delivered at the project site. However, only the installation part is awaited. PP submitted a copy of the Purchase Order for procurement of the flameproof Anemometer 2 Nos. PP also informed that the “register prepared to maintain the data of temperature & humidity”.

4. PP submitted that safety audit was carried out by Third-party safety Auditor (M/s. NEELAY ENTERPRISES, DISH Approval Certificate No. S.A.C N – 01/2024 and Valid up to 14.10.2026. The Action taken report has been submitted to

DISH. PP informed that the 1 no. of pending observation is regarding installation of Anemometer, which will be completed by the end of February 2026, as the same has been procured and delivered at the project site. However, only the installation part is awaited. PP submitted a copy of the Purchase Order for procurement of the flameproof Anemometer 2 Nos.

5. PP informed that the industry wide email dated 19.11.2025 has submitted action taken report to IRO, Nagpur wherein it is reported that 1 partially complied and 2 conditions are not complied as mentioned in CCR dated 29.09.2025. As per the Action taken report, PP reported that the project has already achieved 51% greenbelt, and the remaining 14% will be developed during project commissioning. Thus 65% green belt will be maintained after expansion. The complete greenbelt development will be completed by December 2026. Accordingly, PP submitted revised plant layout map showing detailed action plan for the proposed development of greenbelt in the layout map, including area earmarked, number of plants, and a month-wise plantation program with timeline, which is as follows:

Land Area-wise Proposed Plantation Program Including Gap Filling and Existing Plantation				Proposed Month-wise Plantation Schedule (Total: 40,762 Saplings)
SN	Area	Land Area (Ha.)	No. of Trees	
Block wise action plan for proposed plantation				Month of Plantation
01	GB-1	0.6895	1,724	Feb-26
02	GB-2	0.9210	2,303	Mar-26
03	GB-3	1.6105	4,026	Jun-26
04	GB-4	3.2135	8,034	Jul-26
Total		6.4345 (14%)	16,086	
	Existing GB area	23.4705 (51%)	34,000	
			24,676 (Plantation Proposed as Gap filling in existing area 23.4705 Ha. To maintained density 2500/Ha	Aug-26 (12,338 nos.) Sep-26 (12,338 nos.)
	Total Plantation	29.9050 (65%)	74,762 (Cumulative Plantation)	

6. Regarding non complied points related to implementation of eco development measures including community welfare, PP submitted audited statement in support of ATR.

7. PP submitted the chronological details of submission of six-monthly compliance reports on PARIVESH portal. PP also informed that the same has been uploaded on the company's website.

The committee was satisfied with the response provided by PP on above information.

The EAC deliberated the Onsite and Offsite Emergency plans and also the various mitigation measures proposed during the implementation of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, as amended from time to time.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for the grant of environmental clearance.

The EAC is of the view that its recommendation and grant of environmental clearance by the regulatory authority to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate-legislations, etc., as may be applicable to the project. The PP shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

31. Based on the proposal submitted by the PP and recommendations of the EAC, in its 122nd EAC held on 12 February, 2026 (Industry-3 Sector), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for ***Proposed expansion of existing explosive products along with addition of new explosive products located at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur - 441103 Maharashtra by M/s. Keltech Energies Limited.*** under the provisions of the EIA Notification 2006 and its subsequent amendments therein, subject to compliance of the Specific and General terms and conditions as mentioned at **Annexure-1**. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

32. 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 MoEF&CC/SEIAA website where it is displayed.

33. 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.

34. The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.

35. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

36. 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.

37. 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.

38. 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.

39. The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

This issues with the approval of the Competent Authority.

Copy To

1. The Deputy DGF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur - 1
2. The Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai - 32
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th Floor, Opp. Cine Planet, Sion Circle, Mumbai – 22
5. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
6. The District Collector, District **Nagpur**, Maharashtra
7. Guard File/Monitoring File/Website/Record File/Parivesh portal

Annexure 1

Specific EC Conditions for (Synthetic Organic Chemicals Industry)

1. Specific Conditions

S. No	EC Conditions
1.1	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
1.2	Multi-Cyclone separator followed by Bag filter along with stack height of 30m shall be provided to the existing Briquette fired boiler (1 x 3 TPH + 1 x 2 TPH) to control the particulate emissions as per CPCB /SPCB norms. Stack height of 6 m above roof level along with acoustic enclosure shall be provided to the existing D.G. sets (1 x 200 KVA + 2 x 500 KVA) as per CPCB/SPCB norms.

S. No	EC Conditions
	Stack height of 30 m along with acoustic enclosure shall be provided to the proposed D.G. sets (5 x 500 KVA) as per CPCB/SPCB norms.
1.3	Wet Scrubber followed by aqueous solution along with adequate stack height shall be provided to control process emissions viz., Acid mist, SO ₂ and NO ₂ generated from the existing Boiler, Hot water Generator, PETN Plant and PETN Plant New. Wet Scrubber followed by aqueous solution along with adequate stack height shall be provided to control process emissions viz., Acid mist and NO ₂ generated from the proposed TNT Plant, HMX/RDX/HNS Plant, PETN Plant, Nitro Cellulose, Nitro Glycerine and NHN. The scrubbed water should be sent to ETP for further treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.
1.4	Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.
1.5	Total fresh water requirement from ground water shall not exceed 280 KLD.
1.6	NOC from the CGWA shall be obtained before start of the construction of plant for drawing of the ground water for the proposed project expansion activities. State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.
1.7	Total industrial effluent generation shall not exceed 110 KLD. Effluent shall be treated in the ETP comprising of primary, secondary and tertiary system. Treated water shall be reuse/recycle in Utility. Domestic sewage shall be treated in the STP and treated sewage shall be reused for horticulture and flushing purposes. The unit shall maintain Zero Liquid Discharge (ZLD).
1.8	The green belt of at least 5 m-10m width shall be developed in an area of 29.9050 Ha. i.e., 65% within plant premises. A total of 74762 nos. of trees shall be planted within plant premises. Tree saplings selected for the plantation should be of sufficient height, preferably 6-ft shall be planted in greenbelt area. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1 st July of every year for the activities carried out during previous year.
1.9	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera

S. No	EC Conditions
	with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
1.10	Roof top rain water shall be collected in 3 x 8000 KL underground RCC storage tank. The rain water collected shall be reused within the plant after filtration as per requirement. Storm water from the open area shall be collected separately and stored in an underground RCC storage tank, which shall be recycled/reused within the plant premises.
1.11	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions by engaging Environment Officials. In addition to this, one safety & health officer as per the qualification given in Factories Act, 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
1.12	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP Rs. 511 Lakhs (Capital cost) and Rs. 141.5 Lakhs per annum (Recurring cost)] shall be kept in a separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
1.13	Plantation of saplings shall be carried out as a part of tree plantation campaign "EK PED MAA ke NAAM" and details of the same to be uploaded in the Meri LiFE portal (https://merilife.nic.in) in respect to this Ministry's OM No. IA3-22/3/2024-IA.III(E-241594) dated 24 th July 2024.
1.14	All the hazardous waste shall be managed and disposed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either sent to common incineration site or send for coprocessing. Solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet garbage shall be converted into compost and used as manure for greenbelt development. Fly ash shall be stored in silos and used for filling low lying area after prior approval of SPCB or sent for brick manufacturer or co-processing in cement industries.
1.15	The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.16	The project proponent shall comply with the environment norms for 'synthetic organic chemical' as

S. No	EC Conditions
	notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21.7.2010 under the provisions of the Environment (Protection) Rules, 1986.
1.17	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSIHC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred.
1.18	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
1.19	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
1.20	The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
1.21	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
1.22	The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
1.23	The PP shall undertake waste minimization measures 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 vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.
1.24	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.

S. No	EC Conditions
1.25	Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Chemicals shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
1.26	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.
1.27	The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.

Standard EC Conditions for (Synthetic organic chemicals industry)

1.

S. No	EC Conditions
1.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
1.2	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
1.3	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.4	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. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
1.5	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and

S. No	EC Conditions
	administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
1.6	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
1.7	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
1.8	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
1.9	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.
1.10	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
1.11	The project authorities 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 and the date of start of the project.
1.12	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

Additional EC Conditions

(i) M/s KEL has dropped additional land admeasuring 3.3753 Ha. as it was not contiguous land. Survey Nos. 116, 157, 167/1, 167/2, 167/3, 168/1, 168/2, 168/3 land admeasuring 3.3753 Ha. have been dropped from proposed expansion project. Therefore, the final project land area remains the same as per earlier EC granted i.e. 45.9962 Ha.

(ii) State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till all the observations made in the third-party safety audit report December 2025 are implemented by the PP

Details of the Project

S. No.	Particulars	Details	
a.	Details of the Project	Proposed expansion of existing explosive products along with addition of new explosive products at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur - 441103 Maharashtra by M/s. Keltech Energies Ltd.	
b.	Latitude and Longitude of the project site	21.15059740556962,78.73379615087975 21.16298795375909,78.74143665294194	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	
		Non-Forest Land (A)	45.9962
		Forest Land (B)	0
		Total Land (A+B)	45.9962
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost (in lacs)	13640	
g.	EMP Cost (in lacs)	511	
h.	Employment Details		