FORM-I

for

PROPOSED EXPANSION OF EXISTING SPECIALTY CHEMICALS MANUFACTURING UNIT

of

M/s. RAJESH PHARMACEUTICALS

Plot No. C-1/3912, GIDC Industrial Estate,

Ankleshwar-393002, Dist. Bharuch, Gujarat

Prepared By:

NABL Accredited Testing Laboratory
ISO 9001:2008 Certified Company

Aqua-Air Environmental Engineers P. Ltd.

403, Centre Point, Nr. Kadiwala School, Ring Road, Surat - 395002

APPENDIX I

FORM 1

(I) Basic Information

Sr. No.	Item	Details
1.	Name of the Project/s	**M/s. Rajesh Pharmaceuticals**
2.	S. No. in the Schedule	5(f)
3.	Proposed capacity / area / length / tonnage to be handled/command area/lease area/number of wells to be drilled	• Existing Production Capacity: **7 MT/Month** • Total Production Capacity after Proposed Expansion **150 MT/Month (Refer: Annexure-1)** • Plot Area: 1,254 m^2 • No bore well will be drilled within the premises.
4.	New/Expansion/Modernization	**Expansion**
5.	Existing capacity/area etc.	• Existing Production Capacity: **7 MT/Month** • Plot Area: 1,254 m^2
6.	Category of project i.e. 'A' or 'B'	'A'
7.	Does it attract the general condition? If yes, please specify.	Yes. Located in critically polluted area (Ankleshwar).
8.	Does it attract the specific condition? If yes, please specify.	No.
9.	Location	
	Plot/Survey/Khasra No.	Plot. No. C-1/3912
	Village	GIDC Industrial Estate,
	Tehsil	Ankleshwar
	District	Bharuch
	State	Gujarat
10.	Nearest railway station/airport along with distance in kms.	**By road distance:** Nearest Railway Station : Ankleshwar = 3 km (approx.) Nearest Airport : Surat = 65 km (approx.)
11.	Nearest Town, city, District Headquarters along with distance in kms.	**By road distance:** Nearest Town : Ankleshwar = 3 km Nearest District Head Quarter: Bharuch = 12 km
12.	Village Panchayats, Zilla Parishad, Municipal corporation, Local body (Complete postal addresses with telephone nos. to be given)	Notified Area Authority, Ankleshwar
13.	Name of the applicant	M/s. Rajesh Pharmaceuticals
14.	Registered address	Plot. No. C-1/3912, GIDC Industrial Estate,

		Ankleshwar-393002, Dist: Bharuch, Gujarat.
15.	Address for correspondence:	
	Name	Mr. Baldevbhai Prajapati
	Designation (Owner/Partner/CEO)	(Partner)
	Address	Plot. No. C-1/3912, GIDC Industrial Estate, Ankleshwar-393002, Dist: Bharuch, Gujarat
	Pin Code	393002
	E-Mail	gopsipharma@yahoo.com
	Telephone No.	Mob.: +91 9824155666
	Fax No.	--
16.	Details of Alternative Sites examined, if any location of these sites should be shown on a topo sheet.	No
17.	Interlinked Projects	No
18.	Whether separate application of interlinked project has been submitted?	No interlinked project has been submitted.
19.	If Yes, date of submission	Not applicable
20.	If no., reason	Not applicable
21.	Whether the proposal involves approval/clearance under: If yes, details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z Notification, 1991?	Not applicable as proposed project activity will be within GIDC Industrial Estate, Ankleshwar, Dist. Bharuch, Gujarat.
22.	Whether there is any Government order/policy relevant/relating to the site?	No
23.	Forest land involved (hectares)	No
24.	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders/directions of the Court, if any and its relevance with the proposed project.	No

(II) Activity

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

Sr. No.	Information/Checklist confirmation	Yes /No?	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	No	--
1.2	Clearance of existing land, vegetation and buildings?	No	--
1.3	Creation of new land uses?	No	Land is for industrial purpose. The proposed expansion project site is located on level ground, which does not require any major land filling for area grading work.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	--
1.5	Construction works?	Yes	• Additional required construction works will be carried out in proposed expansion project. **- Refer: Annexure - 2.**
1.6	Demolition works?	No	--
1.7	Temporary sites used for construction workers or housing of construction workers?	No	--
1.8	Above ground buildings, structures or Earthworks including linear structures, cut and fill or excavations	Yes	• Additional buildings, structures, etc. required shall be as per plant design above ground level. **- Refer: Annexure - 2.**
1.9	Underground works including mining or tunneling?	No	--
1.10	Reclamation works?	No	--
1.11	Dredging?	No	--
1.12	Offshore structures?	No	--
1.13	Production and manufacturing	Yes	**Refer: Anneure-3.**
1.14	Facilities for storage of goods or materials? Infrastructure	Yes	•Existing storage facilities/area is available as an existing infrastructure for storage of existing raw materials, finished products, hazardous/solid wastes, etc. •Additional storage facility for additional

			raw materials, finished goods, hazardous/solid wastes, etc. will be developed as per requirement.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	• Water consumption & Waste water generation details **– Refer: Anneure-4.** • ETP Details **– Refer: Anneure-5.** • Hazardous/Solid wastes generation and disposal mode details **– Refer: Anneure-6.**
1.16	Facilities for long term housing of operational workers?	No	--
1.17	New road, rail or sea traffic during construction or operation?	No	--
1.18	New road, rail, air waterborne or other airports etc?	No	The proposed project site is located within well developed Industrial Estate having all infrastructure facilities. Existing transportation system is adequate too.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	--
1.20	New or diverted transmission lines or pipelines?	No	--
1.21	Impoundment, damming, converting, realignment or other changes to the hydrology of watercourses or aquifers?	No	--
1.22	Stream crossings?	No	--
1.23	Abstraction or transfers or the water form ground or surface waters?	Yes	• No ground water shall be used. • Raw water requirement is met through GIDC water supply and will be met through same source after proposed expansion.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	--
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Transportation of personnel or raw materials/finished products is primarily by road only & it will be done through the same way after proposed expansion.
1.26	Long-term dismantling or	No	--

	decommissioning or restoration works?		
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	--
1.28	Influx of people to an area in either temporarily or permanently?	No	--
1.29	Introduction of alien species?	No	--
1.30	Loss of native species of genetic diversity?	No	--
1.31	Any other actions?	No	--

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

Sr. No	Information/checklist confirmation	Yes/ No?	Details there of (with approximate quantities/rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agriculture land (ha)	No	--
2.2	Water (expected source & competing users) unit: KLD	Yes	• Raw water requirement is met through GIDC water supply and will be met through same source after proposed expansion. • Water consumption & Waste water generation details **– Refer: Anneure-4.**
2.3	Minerals (MT)	No	--
2.4	Construction material -stone, aggregates, sand / soil (expected source MT)	Yes	Construction materials will be procured from local market.
2.5	Forests and timber (source - MT)	No	--
2.6	Energy including electricity and fuels source, competing users Unit: fuel (MT), energy (MW)	Yes	• **Power Requirement:** 250 KVA • **Sources:** - DGVCL - D.G. Set (Proposed): 125 KVA (to be used in emergency only) • **Fuel Requirement:** **-** Coal/Wood* : 4 Kg/Day (Existing)

			- Agro waste: 3 MT/day (Proposed) - HSD: 6 Liter/hr (Proposed) * Wood will be discontinued after prosed expansion
2.7	Any other natural resources (use appropriates standard units)	No	--

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

Sr. No.	Information / Checklist confirmation	Yes/ No?	Details thereof (with approximate quantities / rates wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	Yes	**Refer: Annexure -8.**
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	--
3.3	Affect the welfare of people e.g. by changing living conditions?	No	--
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	--
3.5	Any other causes	No	--

4. Production of solid wastes during construction or operation or decommissioning MT/month)

Sr. No.	Information/Checklist confirmation	Yes/ No?	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	--
4.2	Municipal waste (domestic and or commercial wastes)	No	--
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	**Refer: Anneure-6.**
4.4	Other industrial process wastes	Yes	**Refer: Anneure-6.**

4.5	Surplus product	No	--
4.6	Sewage sludge or other sludge from effluent treatment	Yes	**Refer: Anneure-6.**
4.7	Construction or demolition wastes	Yes	Structural waste will be sold to authorized vendor.
4.8	Redundant machinery or equipment	No	--
4.9	Contaminated soils or other materials	No	--
4.10	Agricultural wastes	No	--
4.11	Other solid wastes	Yes	**Refer: Annexure-6.**

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

Sr. No.	Information/Checklist confirmation	Yes/ No?	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels From stationary or mobile sources	Yes	**Refer: Annexure -7.**
5.2	Emissions from production processes	Yes	**Refer: Annexure -7.**
5.3	Emissions from materials handling including storage or transport.	Yes	• The construction materials such as stones, cements, bricks may pollute air by dust particles. But it will be controlled by covering the trucks & trailers by clothes during transportation. • Raw materials received in drums/carboys/bags/tankers and handled in closed charging system with proper ventilation and charged through close pipeline in to reactors/treatment units. It will be done through same way after proposed expansion. • Thus there won't be any kind of emission through storage and transport.
5.4	Emissions from construction activities including plant and equipment	Yes	Water sprinkling during construction to avoid dusting and Baricadation of construction area.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Water sprinkling during construction to avoid dusting and Baricadation of construction area.
5.6	Emissions from incineration of waste	No	--

5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	--
5.8	Emissions from any other sources	No	--

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

Sr. No.	Information/Checklist confirmation	Yes/ No?	Details there of (with approximate Quantities /rates, wherever possible) With source of source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	• There are few activities due to which noise generates. The equipments resulting in noise generation are machineries of plant and diesel generator. Adequate noise controls measures are provided. • Proper and timely oiling, lubrication and preventive maintenance is carried out for the machineries & equipments to reduce noise generation. • Use of PPEs like ear plugs and ear muffs are made compulsory near the high noise generating machines. • Noise monitoring is done regularly in plant area. • D.G. Set will be installed in a closed room and provided with acoustic enclosure. • Above system will be followed after proposed expansion to prevent/reduce noise to be generated. • The unit has developed plantation within the premises which helps to prevent the noise pollution within site as well as surrounding area.
6.2	From industrial or similar processes	Yes	• All machinery/equipment is well maintained, have proper foundation with anti vibrating pads wherever applicable and thus, noise levels is within permissible limits. • An acoustic enclosure will be provided for D.G. set. • Above system will be followed after proposed expansion to prevent/reduce noise to be generated.
6.3	From construction or demolition	No	--
6.4	From blasting or piling	No	--

6.5	From construction or operational traffic	No	--
6.6	From lighting or cooling systems	No	--
6.7	From any other sources	No	--

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

Sr. No	Information/Checklist confirmation	Yes/ No?	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	Yes	• All hazardous materials are stored safely & separately in designated storage area. • Dyke wall will be provided around raw/hazardous materials storage tank. • Materials stored in bags / drums kept on pallets with concrete flooring and company takes preventive action for no spillage likely to occur. • Above system will be followed after proposed expansion. • **Refer: Annexure -8.**
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	Yes	Sewage is disposed of through septic tank & soak pit & to be done through same way after proposed expansion.
7.3	By deposition of pollutants emitted to air into the land or into water	No	--
7.4	From any other sources	No	--
7.5	Is there a risk of long term build up of pollution in the environment from these sources?	Yes	• Environmental Management System (EMS) is installed i.e. ETP, Air Pollution Control systems, Hazardous Waste Handling and Management system as per rules, etc. which eliminates the possibility of building up of pollution. • In proposed expansion activity, additional EMS will be implemented, if required.

8. Risks of accident during construction or operation of the Project, which could affect human health or the environment:

Sr. No	Information/Checklist confirmation	Yes/ No?	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc.	Yes	**Refer: Annexure -8.**

	from storage, handling, use or production of hazardous substances		
8.2	From any other causes	No	--
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	--

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

Sr. No.	Information/Checklist confirmation	Yes/ No?	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
9.1	Lead to development of supporting. laities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: * Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other	Yes	• Plot is located in GIDC, Ankleshwar, having entire required infrastructure facility i.e. road infrastructure, water supply, power supply, CETP, TSDF, etc. • Local people shall be employed and no housing will be required. • **Refer: Annexure – 9.**
9.2	Lead to after-use of the site, which could have an impact on the environment	No	--
9.3	Set a precedent for later developments	No	--
9.4	Have cumulative effects due to proximity to Other existing or planned projects with similar effects	No	--

(III) Environmental Sensitivity

Sr. No	Information/Checklist confirmation	Name / Identity	Aerial distance (within 25 km). Proposed Project Location Boundary.
1	Areas protected under international conventions national or local legislation for their ecological,	No	Plot is located in GIDC, Ankleshwar, Dist. Bharuch, Gujarat.

	landscape, cultural or other related value		
2	Areas which are important or sensitive for Ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	Plot is located in GIDC, Ankleshwar, Dist. Bharuch, Gujarat.
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	Plot is located in GIDC, Ankleshwar, Dist. Bharuch, Gujarat.
4	Inland, coastal, marine or underground waters	Yes	• River Narmada : 9.5 Km (approx.) • Amla Khadi : 4.5 Km (approx.)
5	State, National boundaries	No	--
6	Routes or facilities used by the public for to recreation or other tourist, pilgrim areas.	No	--
7	Defense installations	No	--
8	Densely populated or built-up area	Yes	Ankleshwar city: 2 Lakh population (approx.)
9	Areas occupied by sensitive man-made land community facilities)	No	
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, tourism, minerals)	Yes	• No ground water will be used. • Plot is located in industrial area, which does not affect agricultural land.
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	Yes	Plot is located in GIDC, Ankleshwar, Dist. Bharuch, Gujarat.
12	Are as susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence ,landslides, flooding erosion, or extreme or adverse climatic conditions)	No	--

IV). Proposed Terms of Reference for EIA studies: Refer **Annexure – 10.**

I hereby given undertaking that, the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date: 24/07/2017
Place: GIDC, Ankleshwar

For **Rajesh Pharmaceuticals**

Baldev Prajapati
(Partner)

NOTE:

1. The projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z. map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z. (at the stage of TOR) and the recommendations of the State Coastal Zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.

2. 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 (at the stage of EC).

3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR/Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project.

ANNEXURES

ANNEXURE NO.	PARTICULARS
1	List of Products with their Production Capacity and Raw Materials Consumption
2	Plot layout
3	Brief Manufacturing Process Description
4	Details of water consumption & waste water generation
5	Description of Proposed Effluent Treatment Plant
6	Details of Hazardous/Solid Wastes Generation, Management and Disposal Mode
7	Details of Sources of Emissions and APCE
8	Hazardous Chemicals Storage and Handling Details
9	Socio - Economic Impacts
10	Proposed Terms of References
11	Copy of Land Possession/Plot Allotment document
12	Copy of CETP Membership Letter
13	Copy of Common TSDF & HWIF Membership Letter
14	Toposheet
15	Copy of GIDC Letter for Water Supply
16	Copy of current CC&A

ANNEXURE – 1
LIST OF PRODUCTS WITH THEIR PRODUCTION CAPACITY

Sr. No.	Products	CAS No.	Production Capacity (MT/Month)		LD 50 mg/Kg
			Existing	Total after Proposed Expansion	
1	Para Nitro Benzyl Bromide	100-11-8	5	125	--
2	Pyridine Hydrobromide	39416-48-3	2		--
3	Meta Nitro Benzyl Bromide	3958-60-9	--		--
4	Para Nitro Benzyl Alcohol	619-73-8	--		--
5	Para Bromo Benzyl Bromide	3433-80-5	--		--
6	Para Cyano Benzyl Bromide	17201-43-3	--		--
7	Gop Sea Zyme	--	--		--
8	Ortho Cyano Benzyl Bromide	22115-41-9	--		--
9	Meta Cyano Benzyl Bromide	28188-41-2	--		--
10	2,6 Dichloro Benzyl Bromide	20443-98-5	--		--
11	Bromo OTBN (2-Cyano-4-Bromo Methyl Biphenyl)	114772-54-2	--		--
12	N-Propyl Bromide	106-94-5	--		(LC50): Acute: 253000 mg/m 0.5 hours [Rat]
13	N-Butyl Bromide	109-65-9	--		--
14	Tetra Butyl Ammonium Bromide	1643-19-2	--		--
15	Tetra Ethyl Ammonium Bromide	71-91-0	--		--
16	Para Chloro Benzoic Acid	74-11-3	--	25	1170 mg/kg;
17	Para Nitro Benzoic Acid	62-23-7	--		1960 mg/kg
18	Ortho Chloro Benzoic Acid	118-91-2	--		501 mg/kg
19	2.3 & 2,4 Di Chloro Benzoic Acid	50-84-0	--		830 mg/kg
		Total	**7**	**150**	**--**

RAW MATERIAL CONSUMPTION:

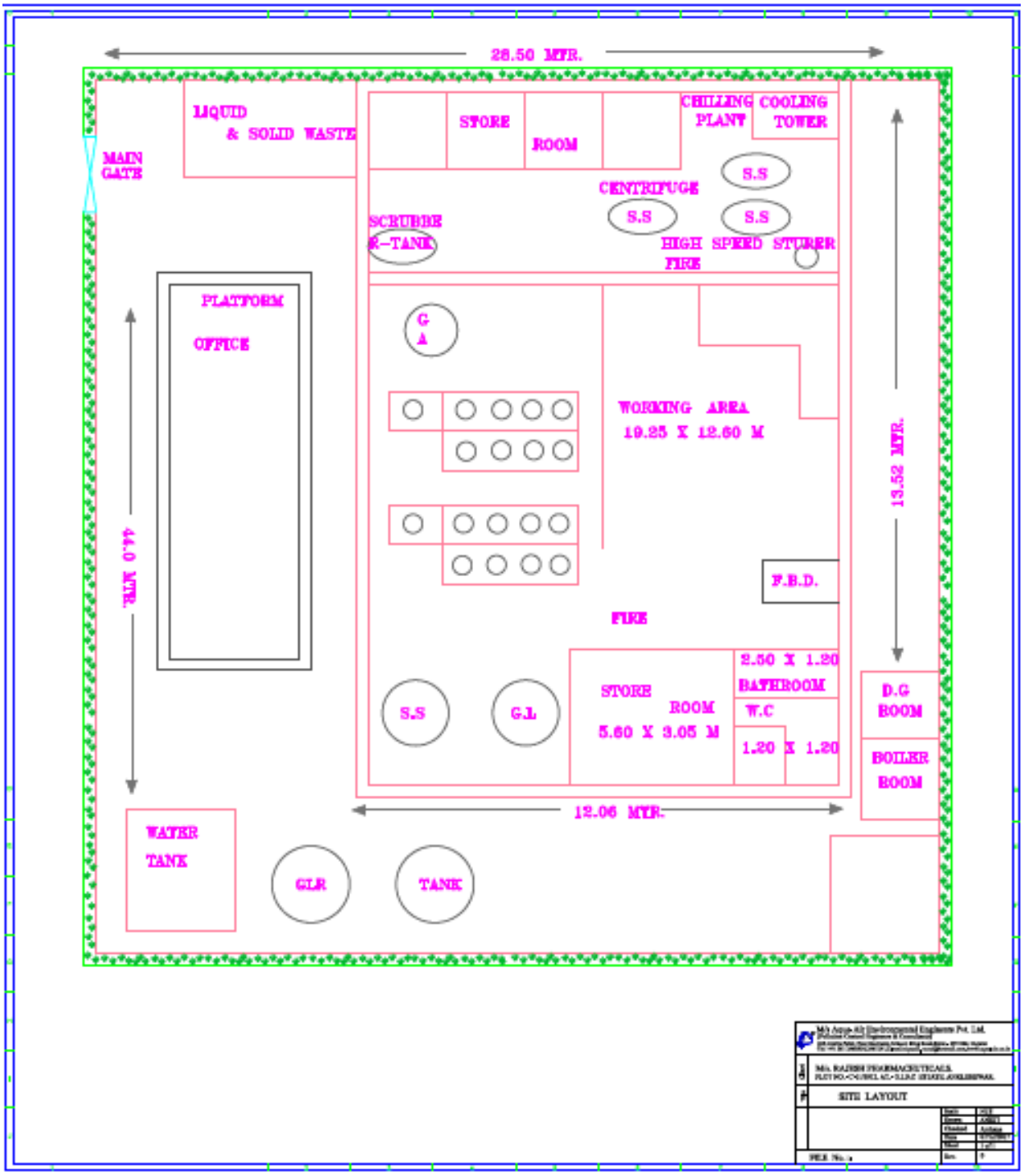
Sr. No.	Raw Material	Consumption Quantity (MT/MT)
1.	**Para Nitro Benzyl Bromide**	
	P-Nitro Toluene	0.83
	Liquid Bromine	0.7
	MDC	0.27
	Methanol	1.0
	H_2O_2	0.25
2	**Pyridine Hydrobromide**	
	Pyridine	0.63
	Hydrobromide	0.60
	MDC	0.18
	Methanol	1.0
3	**Meta Nitro Benzyl Bromide**	
	M-Nitro Toluene	0.83
	Liquid Bromine	0.7
	MDC	0.27
	Methanol	1.0
	H_2O_2	0.25
4	**Para Nitro Benzyl Alcohol**	
	p-nitrobenzyl acetate	0.65
	Methanol	0.11
	sodium hydroxide	0.38
5	**Para Bromo Benzyl Bromide**	
	P-Bromo Toluene	0.98
	Liquid Bromine	0.63
	MDC	0.25
	Methanol	1.0
	H_2O_2	0.18
6	**Para Cyano Benzyl Bromide**	
	P-Cyano Toluene	0.78
	Liquid Bromine	0.36
	MDC	0.25
	Methanol	1.0
	H_2O_2	0.19

7	**Gop Sea Zyme**	
	Seaweed	0.5
	Hydrolized protein	0.5
8	**Ortho Cyano Benzyl Bromide**	
	O-Cyano Toluene	0.78
	Liquid Bromine	0.36
	MDC	0.25
	Methanol	1.0
	H_2O_2	0.19
9	**Meta Cyano Benzyl Bromide**	
	M-Cyano Toluene	0.78
	Liquid Bromine	0.36
	MDC	0.25
	Methanol	1.0
	H_2O_2	0.19
10	**2,6 Dichloro Benzyl Bromide**	
	2,6 Dichloro Toluene	0.98
	Liquid Bromine	0.63
	MDC	0.25
	Methanol	1.0
	H_2O_2	0.18
11	**Bromo OTBN (2-Cyano-4-Bromo Methyl Biphenyl)**	
	OTBMN	0.83
	Liquid Bromine	0.7
	MDC	0.27
	Methanol	1.0
	H_2O_2	0.25
12	**N-Propyl Bromide**	
	Propanol	1.027
	Bromine	1.356
	Soda Ash	0.34
	Sulphur	0.34
13	**N-Butyl Bromide**	
	Butanol	1.071
	Bromine	1.264
	Soda Ash	0.36
	Sulphur	0.36

14	**Tetra Butyl Ammonium Bromide**	
	Tri-n-Butyl Amine	40.00
	N-Butyl Bromide	30.00
	Acetonitrile (Fresh)	02.00
	Ethyl Acetate (Fresh)	04.00
15	**Tetra Ethyl Ammonium Bromide**	
	Tri Ethylamine	0.530
	Diethyl Carbonate	0.600
	Ethanol	0.300
	Formic Acid	0.020
16	**Para Chloro Benzoic Acid**	
	Para Chloro Toluene (PCT)	1.00
	Nitric Acid (HNO3) 60%	2.50
	NaOH Lye 48%	0.350
17	**Para Nitro Benzoic Acid**	
	Para Nitro Toluene (PNT)	1.00
	Nitric Acid (HNO3) 60%	2.50
	NaOH Lye 48%	0.350
18	**Ortho Chloro Benzoic Acid**	
	Ortho Chloro Toluene (OCT)	1.00
	Nitric Acid (HNO3) 60%	2.50
	NaOH Lye 48%	0.350
19	**Di Chloro Benzoic Acid**	
	Di Chloro Toluene (DCT)	1.00
	Nitric Acid (HNO3) 60%	2.50
	NaOH Lye 48%	0.350

ANNEXURE-2

PLOT LAYOUT



ANNEXURE-3

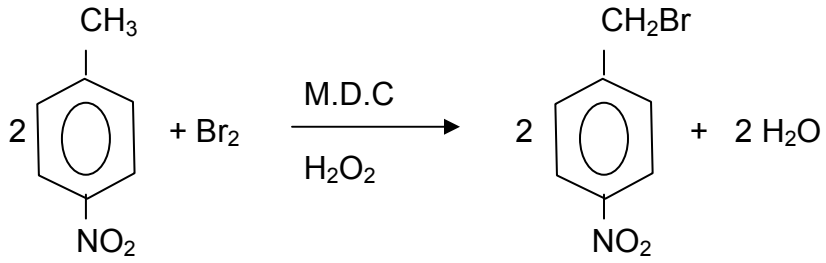
BRIEF MANUFACTURING PROCESS DESCRIPTION

1. Para Nitro Benzyl Bromide

Process Description:

Raw materials like Para Nitro Toluene, Methylene Di chloride and Liquid Bromine are slowly charged in the reaction vessel to produce crude P.N.B.B. during the reaction HBr is generated, and then Hydrogen Peroxide is added slowly, which reacts with HBr and produces P.N.B.B. The minor quantity of HBr escaping from condenser is scrubbed by the scrubbing system. Methylene Di chloride is recovered through crude PNBB distillation and reuse in the next batch, PNBB is allow to settle down. Crude PNBB is washed with solvent. Then solvent washed – PNBB is centrifuged. The recovered solvent is reused for next batch. The cake is dried in dryer and after final analysis the material is packed for the dispatch.

Chemical Reaction:



PARA NITRO TOLUENE PARA NITRO BENZYL BROMIDE

Mass Balance:

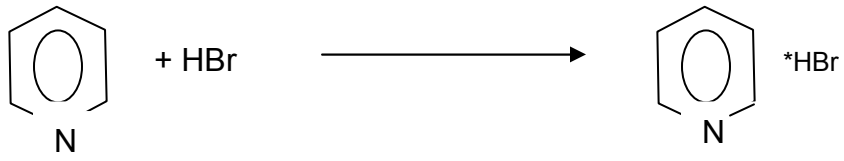
Sr. No.	Name of Raw Material	Kg/batch	Remarks
	Input		
1	P Nitro Toluene	415	
2	Liquid Bromine	350	
3	MDC	135	
4	Methanol	500	
5	H2O2	125	
	Total	**1525**	
	Output		
1	Final Product	500	
2	Drying Loss	525	
3	MDC	95	Recylce
4	Methanol	390	Recylce
5	Residue	15	
	Total	**1525**	

2. Pyridine Hydro bromide

Process Description:

When Pyridine Hydro bromide is to be produced, Pyridine is slowly charged in the reaction vessel to produce crude Py. HBr. then HBr is added slowly to produce crude Pyridine Hydro bromide. Crude Py. HBr. is washed with solvent and centrifuged. The recovered solvent is reused for next batch. Then Pure Py. HBr. is dried in FBD. Dried Py. HBr is packed for the dispatch.

Chemical Reaction:



PYRIDINE PYRIDINE HYDROBROMIDE

Mass Balance:

Sr. No.	Name of Raw Material	Kg/batch (Existing)	Kg/batch (Proposed)	Remarks
	Input			
1	Pyridine	315	315	
2	Hydro bromide	300	300	
3	MDC	90	90	
4	Methanol	500	400	
6	Water	--	1000	
	Total	**1205**	**2105**	
	Output			
1	Final Product	500	500	
2	Drying Loss	265	365	
3	MDC	75	75	Recylce
4	Methanol	350	350	Recylce
5	Residue	15	15	
6	Water	--	800	
	Total	**1205**	**2105**	

3. Meta Nitro Benzyl Bromide

Process Description:

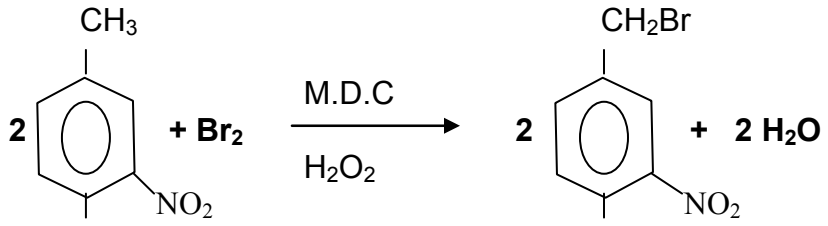
Raw materials like Meta Nitro Toluene, Methylene Di chloride and Liquid Bromine are slowly charged in the reaction vessel to produce crude M.N.B.B. then Hydrogen Peroxide is added slowly to produces M.N.B.B.

Methylene Di chloride is recovered through crude MNBB distillation and reuse in the next batch, MNBB is allow to settle down

Crude MNBB is washed with solvent. Then solvent washed – MNBB is centrifuged. The recovered solvent is used for next batch.

The cake is dried in dryer and after final analysis the final MNBB is packed for the dispatch.

Chemical Reaction:



META NITRO TOLUENE META NITRO BENZYL BROMIDE

Mass Balance:

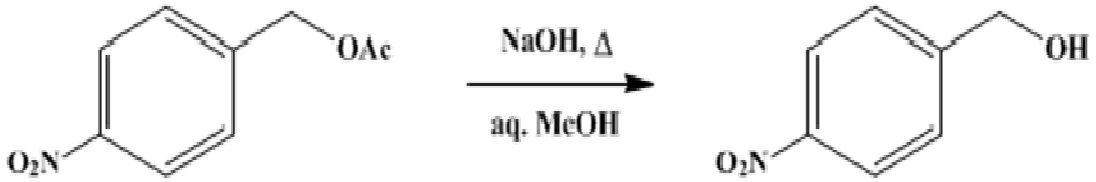
Sr. No.	Name of Raw Material	Kg/batch	Remarks
	Input		
1	M- Nitro Toluene	415	
2	Liquid Bromine	350	
3	MDC	135	
4	Methanol	500	
5	H2O2	125	
	Total	**1525**	
	Output		
1	Final Product	500	
2	Drying Loss	525	
3	MDC	95	Recylce
4	Methanol	390	Recylce
5	Residue	15	
	Total	**1525**	

4. Para Nitro Benzyl Alcohol

Process Description:

A solution of 218 g. (1.12 moles) of *p*-nitrobenzyl acetate in 500 ml. of hot methanol is prepared in a vessel. To the hot solution is added 380 g. (1.43 moles) of a 15% solution of sodium hydroxide. The alkali should be added slowly at first with shaking to prevent too vigorous boiling. After standing for 5 minutes, the mixture is poured with vigorous hand stirring into 4.5 kg. of a mixture of cracked ice and water. The precipitate is collected on a Büchner funnel and recrystallized from 3 to 3.7 l. of hot water with the aid of 15 g. of Norit. The alcohol is dried at 60° to 65° in an oven for several hours and bottled. The yield of slender, nearly colorless needles amounts to 110–121 g. (64–71%); the product melts at 92–93° (Note 2). The product turns yellow if it is spread out to dry in the air.

Chemical Reaction:



Mass Balance:

Sr. No.	Name of Raw Material	Kg/Batch	Remark
Input			
1	*p*-nitrobenzyl acetate	650	
2	Methanol	110	
3	sodium hydroxide	380	
Total		**1140**	
Output			
1	Para Nitro Benzyl Alcohol	1000	
2	Loss	140	
Total		**1140**	

5. Para Bromo Benzyl Bromide

Process Description:

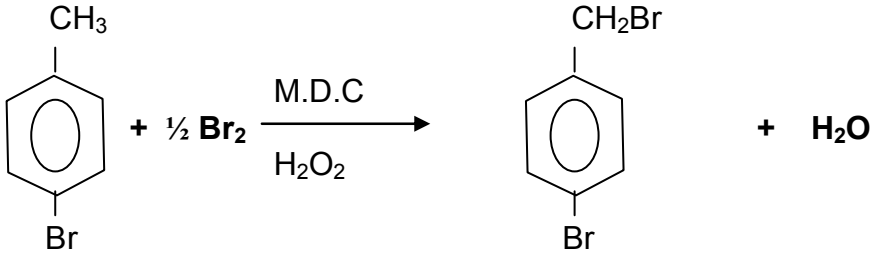
Raw materials like Para Bromo Toluene, Methylene Di chloride and Liquid Bromine are slowly charged in the reaction vessel to produce crude P.B.B.B. then Hydrogen Peroxide is added slowly to produces P.B.B.B.

Methylene Di chloride is recovered through crude PBBB distillation and reuse in the next batch, PBBB is allow to settle down

Crude PBBB is washed with solvent. Then solvent washed – PBBB is centrifuged. The recovered solvent is used for next batch.

The cake is dried in dryer and after final analysis the final PBBB is packed for the dispatch.

Chemical Reaction:



PARA BROMO TOLUENE PARA BROMO BENZYL BROMIDE

Mass Balance:

Sr. No.	Name of Raw Material	Kg/batch	Remarks
	Input		
1	Para Bromo Toluene	490	
2	Liquid Bromine	315	
3	MDC	125	
4	Methanol	500	
5	H2O2	90	
	Total	**1520**	
	Output		
1	Final Product	500	
2	Drying Loss	533	
3	MDC	95	Recylce
4	Methanol	375	Recylce
5	Residue	17	
	Total	**1520**	

6. Para Cyano Benzyl Bromide

Process Description:

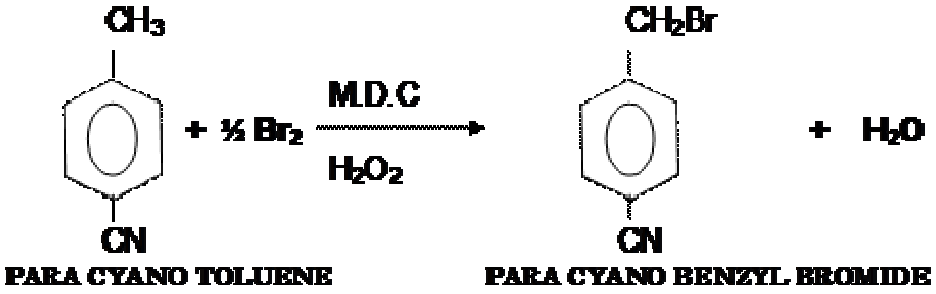
Raw materials like Para Cyano Toluene, Methylene Di chloride and Liquid Bromine are slowly charged in the reaction vessel to produce crude P.C.B.B. then Hydrogen Peroxide is added slowly to produces P.C.B.B.

Methylene Di chloride is recovered through crude PCBB distillation and reuse in the next batch, PCBB is allow to settle down

Crude PCBB is washed with solvent. Then solvent washed – PCBB is centrifuged. The recovered solvent is used for next batch.

The cake is dried in dryer and after final analysis the final PCBB is packed for the dispatch.

Chemical Reaction:



Mass Balance:

Sr. No.	Name of Raw Material	Kg/batch	Remarks
	Input		
1	P Cyano Toluene	390	
2	Liquid Bromine	180	
3	MDC	125	
4	Methanol	500	
5	H2O2	95	
	Total	**1290**	
	Output		
1	Final Product	500	
2	Drying Loss	365	
3	MDC	75	Recylce
4	Methanol	335	Recylce
5	Residue	15	
	Total	**1290**	

7. Gop Sea Zyme

Process Description:

Sea plant is extract by heat at 90º-crafter extract slurry is filter. Filter Material is mixed with hydrolyzed protein. Other some catalyst is added for long life stabilizes. Material is mixing and packed in bottle. Sludge of sea plant is only natural fertilizer, It is used for fertilizer.

8. Ortho Cyano Benzyl Bromide

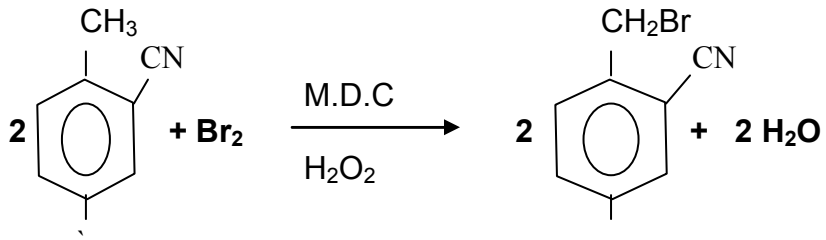
Process Description:

Raw materials like Ortho Cyano Toluene, Methylene Di chloride and Liquid Bromine are slowly charged in the reaction vessel to produce crude O.C.B.B. then Hydrogen Peroxide is added slowly to produces O.C.B.B

Methylene Di chloride is recovered through crude OCBB distillation and reuse in the next batch, OCBB is allow to settle down

Crude OCBB is washed with solvent. Then solvent washed – OCBB is centrifuged. The recovered solvent is used for next batch.
The cake is dried in dryer and after final analysis the final OCBB is packed for the dispatch.

Chemical Reaction:



ORTHO CYANO TOLUENE ORTHO CYANO BENZYL BROMIDE

Mass Balance:

Sr. No.	Name of Raw Material	Kg/batch	Remarks
	Input		
1	O- Cyano Toluene	390	
2	Liquid Bromine	180	
3	MDC	125	
4	Methanol	500	
5	H2O2	95	
	Total	**1290**	
	Output		
1	Final Product	500	
2	Drying Loss	365	
3	MDC	75	Recylce
4	Methanol	335	Recylce
5	Residue	15	
	Total	**1290**	

9. Meta Cyano Benzyl Bromide

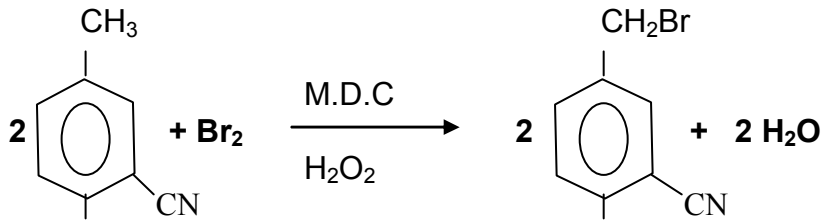
Process Description:

Raw materials like Meta Cyano Toluene, Methylene Di chloride and Liquid Bromine are slowly charged in the reaction vessel to produce crude M.C.B.B. then Hydrogen Peroxide is added slowly to produces M.C.B.B

Methylene Di chloride is recovered through crude MCBB distillation and reuse in the next batch, MCBB is allow to settle down

Crude MCBB is washed with solvent. Then solvent washed – MCBB is centrifuged. The recovered solvent is used for next batch.
The cake is dried in dryer and after final analysis the final MCBB is packed for the dispatch.

Chemical Reaction:



META CYANO TOLUENE META CYANO BENZYL BROMIDE

:

Mass Balance:

Sr. No.	Name of Raw Material	Kg/Batch
Input		
1	Meta Cyano Toluene	390
2	Methylene Di chloride	180
3	Liquid Bromine	125
4	Methanol	500
5	H2O2	95
Total		**1290**
Output		
1	Final Products	500
2	Drying Loss	365
3	MDC	75
4	Methanol	335
5	Residue	15
Total		**1290**

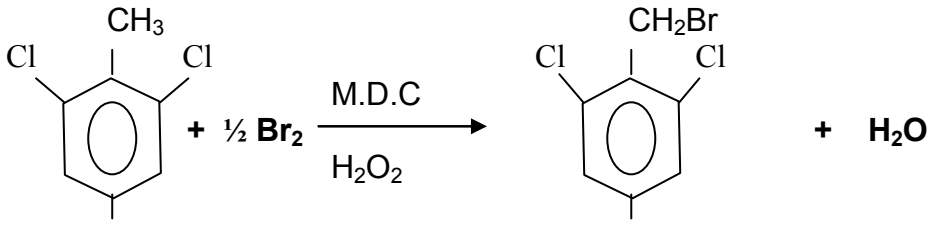
10. 2,6 Dichloro Benzyl Bromide

Process Description:

Raw materials like 2,6 Dichloro Toluene, Methylene Di chloride and Liquid Bromine are slowly charged in the reaction vessel to produce crude 2,6 Dichloro Benzyl Bromide. then Hydrogen Peroxide is added slowly to produces 2,6 Dichloro Benzyl Bromide.
Methylene Di chloride is recovered through crude 2,6 Dichloro Benzyl Bromide distillation and reuse in the next batch, 2,6 Dichloro Benzyl Bromide is allow to settle down

Crude 2,6 Dichloro Benzyl Bromide is washed with solvent. Then solvent washed – PNBB is centrifuged. The recovered solvent is used for next batch.
The cake is dried in dryer and after final analysis the final 2,6 Dichloro Benzyl Bromide is packed for the dispatch.

Chemical Reaction:



2,6 DICHLORO TOLUENE 2,6 DICHLORO BENZYL BROMIDE

Mass Balance:

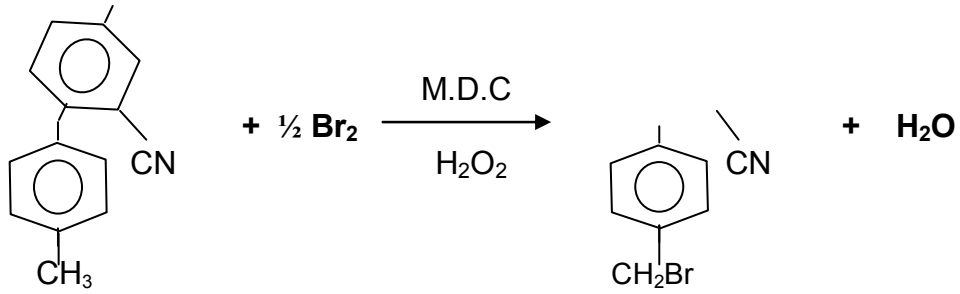
Sr. No.	Name of Raw Material	Kg/batch	Remarks
	Input		
1	2,6 - Dichloro Toluene	490	
2	Liquid Bromine	315	
3	MDC	125	
4	Methanol	500	
5	H2O2	90	
	Total	**1520**	
	Output		
1	Final Product	500	
2	Drying Loss	533	
3	MDC	95	Recylce
4	Methanol	375	Recylce
5	Residue	17	
	Total	**1520**	

11. Bromo OTBN (2-Cyano-4-Bromo Methyl Biphenyl)

Process Description:

Raw materials like OTBN, Methylene Di chloride and Liquid Bromine are slowly charged in the reaction vessel to produce crude Bromo OTBN. then Hydrogen Peroxide is added slowly to produces Bromo OTBN. Methylene Di chloride is recovered through crude Bromo OTBN distillation and reuse in the next batch, Bromo OTBN is allow to settle down. Crude Bromo OTBN is washed with solvent. Then solvent washed – Bromo OTBN is centrifuged. The recovered solvent is used for next batch. The cake is dried in dryer and after final analysis the final Bromo OTBN is packed for the dispatch.

Chemical Reaction:



OTBN Bromo OTBN

Mass Balance:

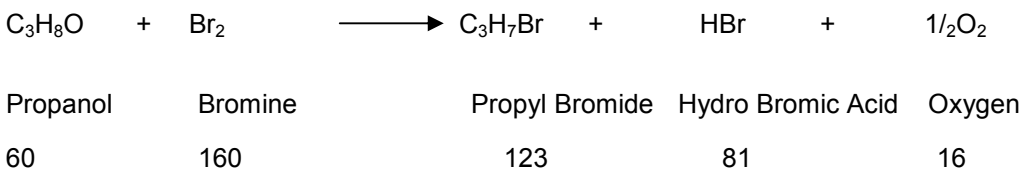
Sr. No.	Name of Raw Material	Kg/batch	Remarks
	Input		
1	OTBMN	415	
2	Liquid Bromine	350	
3	MDC	135	
4	Methanol	500	
5	H2O2	125	
	Total	**1525**	
	Output		
1	Final Product	500	
2	Drying Loss	525	
3	MDC	95	Recylce
4	Methanol	390	Recylce
5	Residue	15	
	Total	**1525**	

12. N- Propyl Bromide

Process Description:

First, Propanol along with water & sulpher are charged into Reactor. Bromine is added to this mass by maintaining the required temperature. After on completion of reaction, aqueous layer is discharged from Bottom of reactor & organic layer is distilled out as final product.

Chemicals Reaction



Mass Balance:

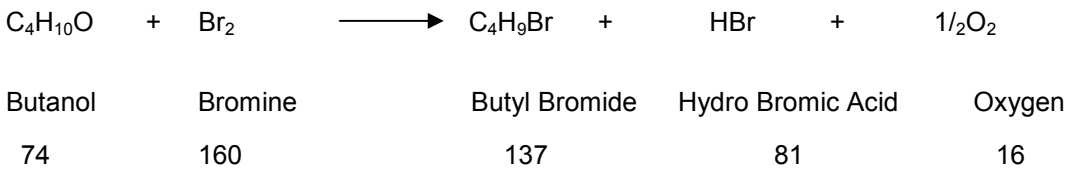
INPUT	**Kgs**	**OUT-PUT**	**Kgs**
Propanol	1500	Final Mass	2920
Bromine	1980	Aq. Water Layer	1230
Soda Ash	50	Organic Residue	30
Water	600		
Sulpher	50		
TOTAL	**4180**	**Total**	**4180**

13. N- Butl Bromide

Process Description:

First, Butanol along with water & sulpher are charged into Reactor. Bromine is added to this mass by maintaining the required temperature. After on completion of reaction, aqueous layer is discharged from Bottom of reactor & organic layer is distilled out as final product.

Chemicals Reaction



Mass Balance:

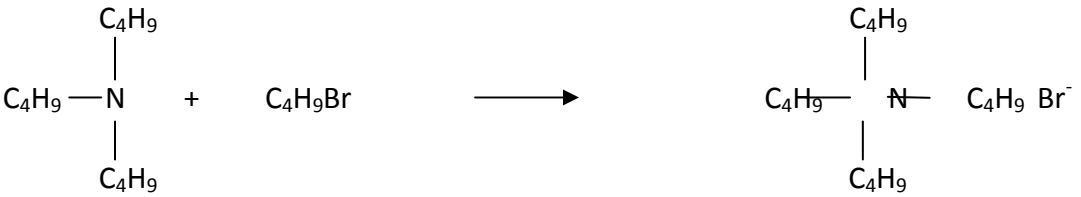
INPUT	**Kgs**	**OUT-PUT**	**Kgs**
Butanol	1500	Final Mass	2800
Bromine	1770	Aq. Water Layer	150
Soda Ash	50	Organic Residue	20
Water	600		
Sulpher	50		
TOTAL	**3970**	**Total**	**3970**

14. Tetra Butyl Ammonium Bromide

Process Description:

First, Acetonitrile along with Tri Butyl Amine & Butyl Bromide are charged into Reactor. This mass is heated to required temperature & Pressure and maintained till reaction completion. Then Acetonitrile is distilled out till all traces. Then to thus mass is crystallized by adding Ethyl Acetate. Further it is cooled & Chilled and then it is centrifuged. This centrifuged mass is dried & Packed for Marketing. And Centrifuged mother liquor is reused in next successive batches by making up necessary quantity

Chemical Reaction:



Tri Butyl Amine Benzyl Chloride Tetra Butyl Ammonium Bromide

185 137.0 322

Mass Balance:

INPUT	**Kgs**	**OUT-PUT**	**Kgs**
Tri Butyl Amine	1350	Product	2290
Butyl Bromide	990	Recovered Acetonitrile	1460
Acetonitrile	1450	Recovered Ethyl Acetate	1340
Ethyl Acetate	1400	Organic Residue	20
		Drying & Evaporation Loss	80
TOTAL	**5190**	**Total**	**5190**

15. Tetra Ethyl Ammonium Bromide

Manufacturing Process:

Stage-01: (High pressure and High Temperature Reaction)

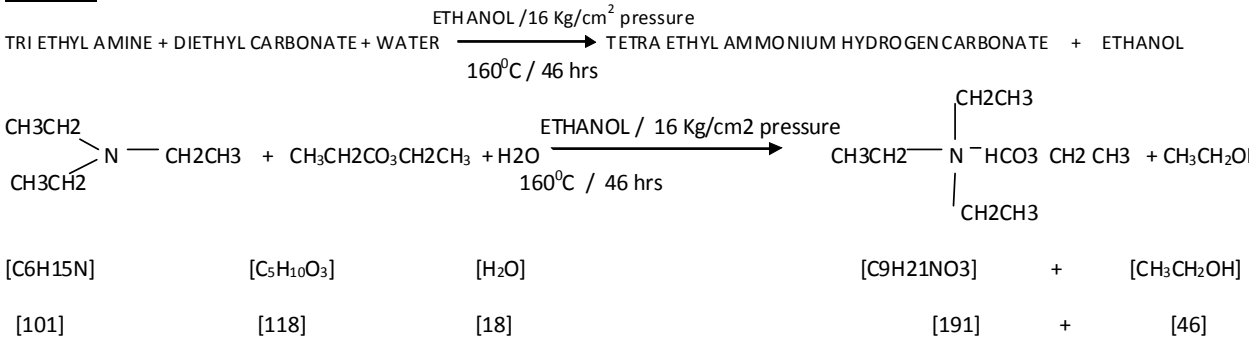
The Methanol and Tri Ethyl amine charge in the reactor & cooling up to 20^0c at 20^0cc and Di Ethyl carbonate is charged in to it. Thos mixture is stirred well for about 4 hr and then raise temperature up to 160^0c in the reactor. At the time of temperature raise Reactor pressure also increase up to 16 Kg/cm2 .Maintain Temperature 160^0c and pressure 16 Kg/cm2 constantly for 46 hrs. After 46 hrs. Apply cooling up to 30 to 35^0c.release pressure and then distilled out all methanol by simple distillation. Collect distilled Methanol which is Re-use in next batch. After all methanol distilled our remained Tetra Ethyl Ammonium bicarbonate materials transfer in to drum through sparkler Filtration.Stage-01 intermediate use for Electrolysis in stage-02.

Stage-02: (Electrolysis Reaction)

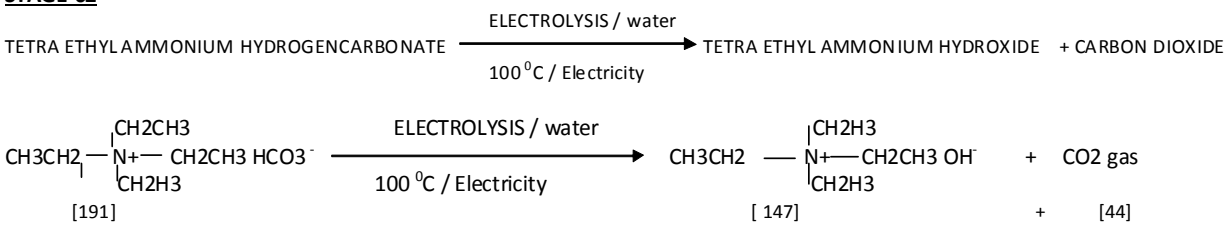
In put stage-01 intermediate Tetra Ethyl Ammonium bicarbonate materials in to Electrolysis chamber and pass Electricity for 48 hrs for electrolysis process. Remove Carbon dioxide gas from electrolysis chamber from vent line and collect final product after 48 hrs electrolysis process from product collection point. Final pure Tetra Ethyl Ammonium Hydroxide product packing into HDPE drums and transfer for Finished Goods Store for dispatch.

Chemical Reaction:

STAGE-01



STAGE-02



Material Balance:

Input	MT	Output	MT
Tri Ethylamine	530	Tetra Ethyl Ammonium Hydroxide or Catalyst TQ2H	2000
Diethyl Carbonate	600	Carbon Dioxide	225
Ethanol	300	Ethanol	525
Water	1300		
Formic Acid	20		
Total	**2750**	**Total**	**2750**

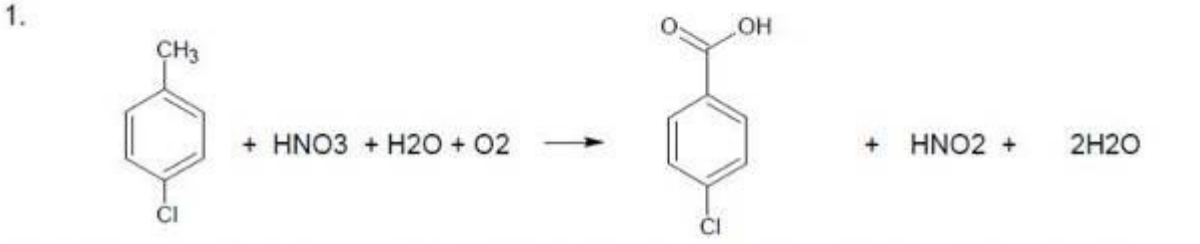
16. Para Chloro Benzoic Acid

Process Description:

Charge water 2500 Kg and nitric acid 60% 2500 kg , para chloro toluene 1000 Kg in Reactor and start pump caustic solution circulation ans start blower and water circulation start heating temp 135°C to 140 and Temp should maintain for 8 hrs and then cool it to 40°C. And filter it in nutch filter and collect wet cake and wash with water. Mother liqour will use in next batch and wet cake dry and packing in 50 Kg bags.

Chemical Reaction:

1.



p-Chloro Toluene Nitric Acid Water Oxygen p-Chloro Benzoic Acid Nitous Acid Water

MW 126.5 63 18 32 =239.5 156.5 47 36 = 239.5

Mass Balance:

Sr.No.	Input	Quantity (Kg)	Output	Quantity (Kg)
1	Para Chloro Toluene	1.0	Product	1.00
2	Nitric Acid (60%)	2.5	Wastewater (Reuse in Next batch)	3.30
3	Caustic Lye	0.350	Effluent	3.85
4	Water	4.50	Evaporation Loss	0.20
Total		**8.35**	**Total**	**8.35**

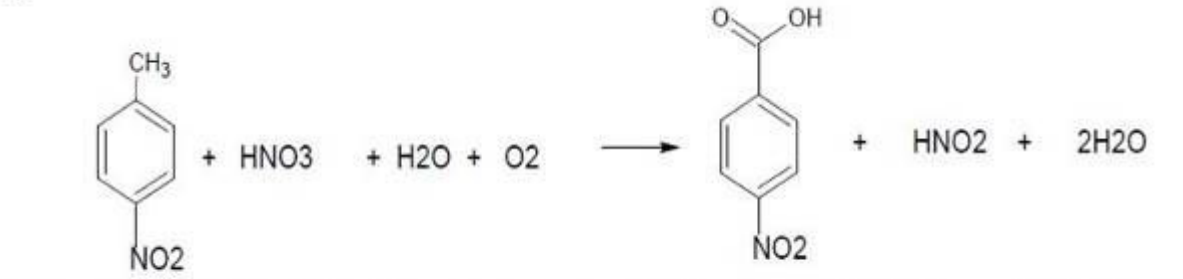
17. Para Nitro Benzoic Acid

Process Description:

Charge water 2800 Kg and nitric acid 60% 2500 kg , para nitro toluene 1000 Kg in Reactor and start pump caustic solution circulation ans start blower and water circulation start heating temp 135°C to 140°C and Tem. should maintain for 8 hrs and then cool it to 40°C. And filter it in nutch filter and collect wet cake and wash with water. Mother liqour will use in next batch and wet cake dry and packing in 50 Kg bags.

Chemical Reaction:

2.



p-Nitro Toluene	Nitric Acid	Water	Oxygen	p-Nitro Benzoic Acid	Nitrous Acid	Water	
MW	137	63	18	32 =250	163	30	18 =250

Mass Balance:

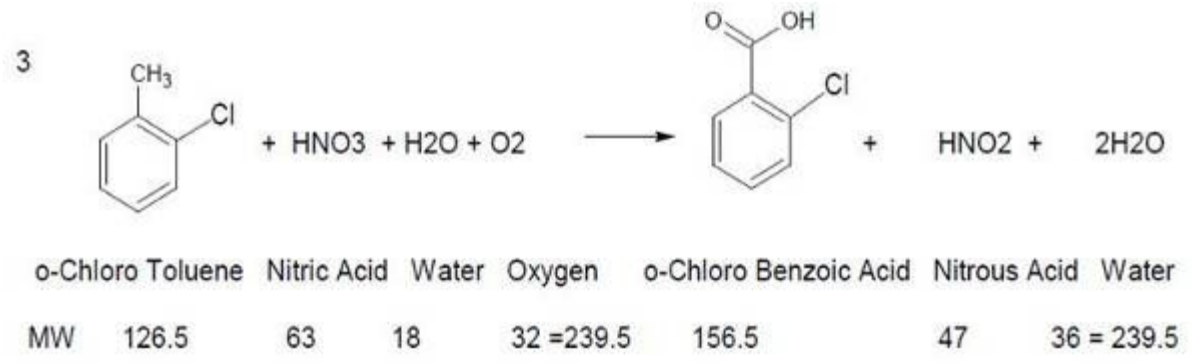
Sr.No.	Input	Quantity (Kg)	Output	Quantity (Kg)
1	Para Nitro Toluene	1.0	Product	1.00
2	Nitric Acid (60%)	2.5	Wastewater (Reuse in Next batch)	3.30
3	Caustic Lye	0.350	Effluent	3.85
4	Water	4.50	Evaporation Loss	0.20
Total		**8.35**	**Total**	**8.35**

18. Ortho Chloro Benzoic Acid

Process Description:

Charge water 2500 Kg and nitric acid 60% 2500 kg , ortho chloro toluene 1000 Kg in Reactor and start pump caustic solution circulation ans start blower and water circulation start heating temp 135°C to 140°C and Temp. should maintain for 8 hrs and then cool it to 40°C. And filter it in nutch filter and collect wet cake and wash with water. Mother liqour will use in next batch and wet cake dry and packing in 50 Kg bags.

Chemical Reaction:



Mass Balance:

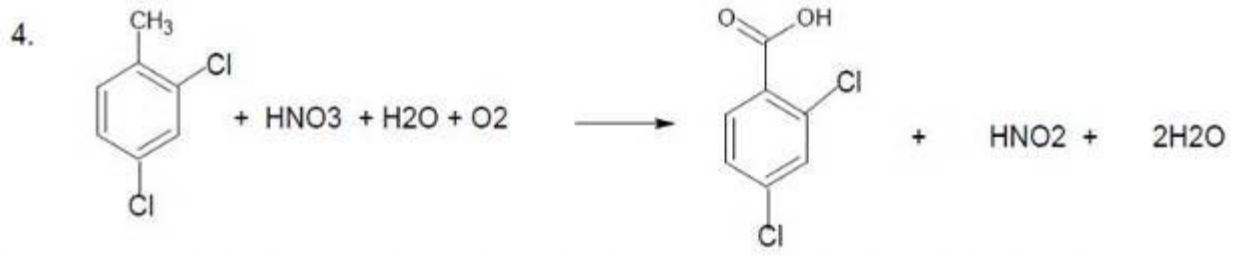
Sr.No.	Input	Quantity (Kg)	Output	Quantity (Kg)
1	Ortho Chloro Toluene	1.0	Product	1.00
2	Nitric Acid (60%)	2.5	Wastewater (Reuse in Next batch)	3.30
3	Caustic Lye	0.350	Effluent	3.85
4	Water	4.50	Evaporation Loss	0.20
Total		**8.35**	**Total**	**8.35**

19. 2.3 & 2,4 Di Chloro Benzoic Acid

Process Description:

Charge water 2500 Kg and nitric acid 60% 2500 kg , 2,3 & 2,4 Di chloro toluene 1000 Kg in Reactor and start pump caustic solution circulation ans start blower and water circulation start heating temp 135°C to 140°C and Temp should maintain for 8 hrs and then cool it to 40°C. And filter it in nutch filter and collect wet cake and wash with water. Mother liqour will use in next batch and wet cake dry and packing in 50 Kg bags.

Chemical Reaction:



Di Chloro Toluene	Nitric Acid	Water	Oxygen	Di Chloro Benzoic Acid	Nitrous Acid	Water
MW 161	63	18	32 = 274	191	47	36=274

Mass Balance:

Sr.No.	Input	Quantity (Kg)	Output	Quantity (Kg)
1	2,3 & 2,4 Di Chloro Toluene	1.0	Product	1.00
2	Nitric Acid (60%)	2.5	Wastewater (Reuse in Next batch)	3.30
3	Caustic Lye	0.350	Effluent	3.85
4	Water	4.50	Evaporation Loss	0.20
Total		**8.35**	**Total**	**8.35**

ANNEXURE-4

DETAILS OF WATER CONSUMPTION & WASTE WATER GENERATION

SR. NO.	DESCRIPTION	EXISTING		TOTAL AFTER PROPOSED EXPANSION	
		WATER CONSUMPTION (KL/Day)	WASTE WATER GENERATION (KL/Day)	WATER CONSUMPTION (KL/Day)	WASTE WATER GENERATION (KL/Day)
1	Process	Nil	Nil	5.0	4.0
2	Boiler	0.5	--	5.0	0.1
3	Cooling	0.5	--	5.0	0.1
4	Washing	Nil	Nil	0.8	0.8
	Total Industrial	**1.0**	**Nil**	**15.8**	**5.0**
5	*Domestic	1.0	0.8	2.0	2.0
6	Gardening	--	--	1.0	--
	Grand Total	**2.0**	**0.8**	**18.8**	**7.0**

***** Domestic waste water is and will be disposed of through septic tank & soak pit.

Note: Industrial waste water will be sent to CETP of M/s. ETL, Ankleshwar after primary & tertiary treatments.

ANNEXURE-5

PROPOSED EFFLUENT TREATMENT PLANT

Company proposes Effluent Treatment Plant (ETP) to be contained Primary and Tertiary Treatment Facilities. Treated effluent will send to Common Effluent Treatment Plant (CETP) of M/s. Enviro Technology Ltd. (ETL), Panoli for further treatment and disposal. Details of ETP are as follows.

First all non-toxic and biodegradable streams of wastewater shall pass through Oil & Grease Trap (OGT-01) where floating oil, grease and other floating material shall be manually removed from top and collected in O & G Collection Tank (OGCT-01). Thereafter effluent shall be collected in Equalization cum Neutralization Tank (ENT-01) where the continuous addition and stirring of Lime solution is done to maintain neutral pH of wastewater from Lime Dosing Tank (LDT-01) as per requirement by gravity. Pipe grid will be provided at bottom of the ENT-01 to keep all suspended solids in suspension and to provide proper mixing by air supplied through air blowers (B-01).

Thereafter, neutralized wastewater shall be pumped to Flash Mixer (FM-01). Alum and Polyelectrolyte shall be dosed from Alum Dosing Tank (ADT-01) and Polyelectrolyte Dosing Tank (PEDT-1) respectively by gravity into FM-01 to carry out coagulation by using a Flash Mixer. Thereafter, coagulated wastewater shall be settled in Primary Settling tank (PST-01). Clear supernatant from PST-01 shall be collected in Intermediate Sump (IS-01).

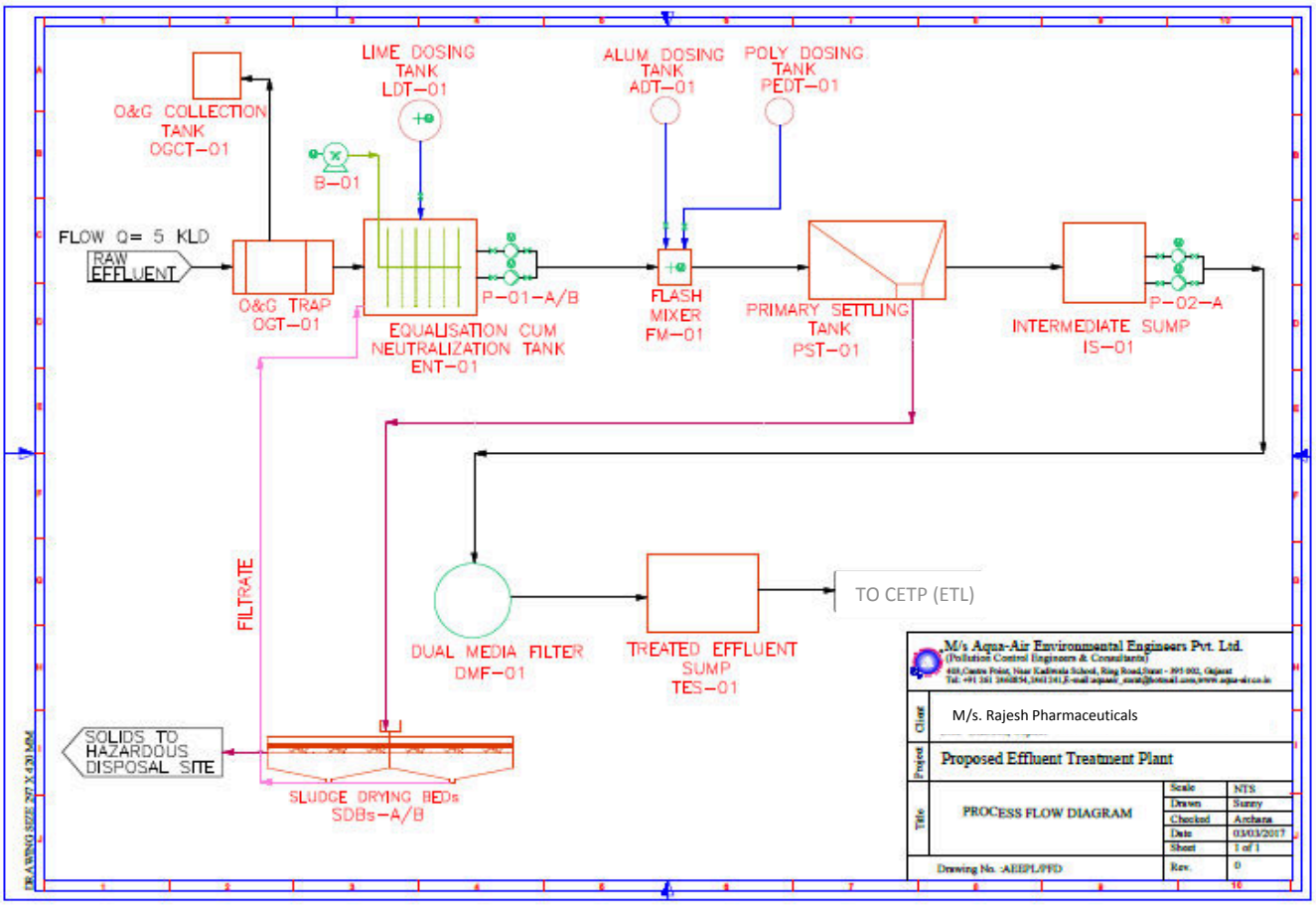
Treated effluent from IS-01 then passed through Dual Media Filter (DMF-01) to remove remaining SS from effluent. Then clear water shall be collected in treated effluent Sump (TES-01) before sent to Common Effluent Treatment Plant (CETP) of M/s. Enviro Technology Ltd. (ETL), Panoli for further treatment and disposal.

Sludge settled in PST-01 shall be sent to Sludge Drying Beds (SDBs-A/B) where, dewatering shall be carried out before storage in HWSA and ultimate disposal to TSDF. Leachate from SDBs-A/B shall be pumped back to ENT-01 for further treatment.

ETP Unit:

Sr. No.	Name of unit	Size (m x m x m)	No.	MOC/ Remark
Flow = 5 KLD				
1	Oil & Grease Trap (OGT-01)	2.0 x 1.0 x 1.0	1	RCC M25
2	O & G Collection Tank (OGCT-01)	1.0 x 1.0 x 0.8	1	RCC M25
3	Equalization cum Neutralization Tank (ENT-01)	1.6 x 1.6 x 2.0	1	RCC M25
4	Flash Mixer (FM-01)	0.8x 0.8 x 1.5 LD	1	MSEP
5	Primary Settling Tank(PST-01)	1.5 x 1.0 x 1.2	1	MSEP
6	Intermediate Sump (IS-01)	1.5 x 1.0 x 1.2LD	1	MSEP
7	Dual Media Filter (DMF-01)	300 lit/hr	1	MSEP
8	Treated Effluent Sump (TES-01)	2.5 x 2.0 x 2.0	1	RCC M25
9	Lime Dosing Tank (LDT-01)	250 lit.	1	HDPE
10	Alum Dosing Tank (ADT-01)	250 lit.	1	HDPE
11	Poly Dosing Tank (PDT-01)	100 lit.	1	HDPE
12	Sludge Drying Beds (SDBs-A/B)	2.0 x 3.0	2	Bk. Mas. With PCC Bedding+ filling Media

FLOW DIAGRAM OF ETP:



ANNEXURE-6

DETAILS OF HAZARDOUS/SOLID WASTE GENERATION, MANAGEMENT AND DISPOSAL

SR. NO.	TYPE OF WASTE	CATEGORY NO.	QUANTITY		DISPOSAL MODE
			EXISTING	TOTAL AFTER PROPOSED EXPANSION	
1	Distillation Residue	20.2	0.035 MT/Month	2 MT/Month	Collection, Storage, Transportation and co-processing in cement industries or disposal by Incinerator at BEIL, Ankleshwar.
2	Used Oil	5.1	25 Liter/Month	42 Liter/Month	Collection, Storage, Transportation and sell to registered reprocessor.
3	Discarded Drum/Carboy/ Bags / Liner	33.3	0.153 MT/Month	0.42 MT/Month	Collection, Storage, Reuse or disposal by sell to authorized vendor.
4	ETP Sludge	35.3	--	2 MT/Month	Collection, Storage, Transportation and disposal by TSDF at BEIL, Ankleshwar

ANNEXURE-7

DETAILS OF SOURCE OF EMISSION AND APCE

Sr. No.	Stack/Vent attached to	Stack Height (meter)	Stack Diameter (meter)	Fuel name & Quantity	Type of Emission	APCE
Existing						
Flue Gas Emission						
1.	Boiler-I	10	0.15	Coal / Wood# (4 Kg/Day)	PM SO_2 NOx	--
Process Gas Emission						
2.	Reactor Vessel	20	0.20	--	HBr	Alkali Scrubber
Proposed						
Flue Gas Emission						
3.	Thermic Fluid Heater (1.5 Lac KL/hr.)	18	0.15	Agro Waste = 1500 Kg/Day	PM SO_2 NOx	Multicyclone Separator with bag filter
4.	Boiler-II (1.0 MT/Hr)	18	0.15	Agro Waste = 1500 Kg/Day	PM SO_2 NOx	Multicyclone Separator with bag filter
5.	D.G. Set*	11	0.1	Diesel = 6 Liter/hr.	PM SO_2 NOx	--
Process Gas Emission						
6.	Reactor Vessel	20	0.20	--	HBr	Alkali Scrubber

*** To be used in emergency only.**

 # Wood will be discontinued after proposed expansion

ANNEXURE-8

HAZARDOUS CHEMICAL STORAGE AND HANDLING DETAILS

Sr. No.	Name of Hazardous chemical	LD50 (oral)	Quantity		Places of its Storage (Storage tank /drums /cylinders /barrels)	No. of Storages	State	Type of Hazards	Control measures provided
			Max. that Can be Stored	Actually stored (Including in process & handling)					
1.	MDC	1600 mg/kg (Rat)	3 KL	3 KL	Drum	15.0	Liquid	Flammable/ Toxic	• Closed handling and transferring systems for Hazardous chemicals. • Dyke walls and material collection systems are provided to all material storage tanks. • Fire Extinguishers and absorbents will be available near storage tanks and storage area. • Drums to be stored on pallet with the suitable trap.
2.	Methanol	5628 mg/kg (Rat)	3 KL	3 KL	Drum	15.0	Liquid	Flammable/ Toxic	
3.	Butanol	790 mg/kg (Rat)	2 KL	2 KL	Drum	10.0	Liquid	Flammable/ Toxic	
4.	Propanol	1870 mg/kg (Rat)	2 KL	2 KL	Drum	10.0	Liquid	Flammable/ Toxic	
5.	Ethyl Acetate	5620 mg/kg (Rat)	1 KL	1 KL	Drum	5.0	Liquid	Flammable	
6.	Acetonitrile	2460 mg/kg (Rat)	1 KL	1 KL	Drum	5.0	Liquid	Flammable	
7.	Nitric Acid	--	10 KL	8 KL	Tank	1.0	Liquid	Corrosive	
8.	Liquid Bromine	2600 mg/kg (Rat)	0.5 KL	0.5 KL	Bottle	--	Liquid	Toxic	
9.	H_2O_2	2000 mg/kg (Mouse)	1 KL	1 KL	Drum	5.0	Liquid	Corrosive	
10.	TBA/TEA	2743 mg/kg (Mouse) / 5846 mg/kg (Mouse)	1 KL	1 KL	Drum	5.0	Liquid	Flammable	

ANNEXURE 9

SOCIO - ECONOMIC IMPACTS

1) EMPLOYMENT OPPORTUNITIES

The manpower requirement is expected to generate some permanent jobs and secondary jobs for the operation and maintenance of plant. This will increase direct/indirect employment opportunities and ancillary business development to some extent for the local population. This phase is expected to create a beneficial impact on the local socio-economic environment.

2) INDUSTRIES

Require raw materials and skilled & unskilled laborers will be utilized maximum from local area. The increasing industrial activity will boost the commercial and economical status of the locality, to some extent.

3) PUBLIC HEALTH

The company will regularly examine, inspects and tests its emission from sources to make sure that the emission will keep below the permissible limit. Hence, there will not be any significant change in the status of sanitation and the community health of the area, as sufficient measures will be taken under the EMP.

4) TRANSPORTATION AND COMMUNICATION

Since the existing Ankleshwar GIDC estate is having proper linkage for transport and communication, the development of this project will not cause any additional impact.

In brief, as a result of the proposed project, there will be no adverse impact on sanitation, communication and community health, as sufficient measures will be proposed to be taken under the EMP. Hence, proposed project is not expected to make any significant change in the existing status of the socio - economic environment of this region.

ANNEXURE – 10

PROPOSED DRAFT TERMS OF REFERENCE

1. **Project Description**

- Justification of project.
- Promoters and their back ground
- Project site location along with site map of 10 km area and site details providing various industries, surface water bodies, forests etc.
- Project cost
- Project location and Plant layout.
- Infrastructure facilities
- Water source and utilization including water balance.
- List of Products & their production capacity
- Details of manufacturing process of existing and proposed products
- List of hazardous chemicals
- Storage and Transportation of raw materials and products.

2. **Description of the Environment and Baseline Data Collection**

- Micrometeorological data for wind speed, direction, temperature, humidity and rainfall in 5 km area.
- Other industries in the impact area
- Prevailing environment quality standards
- Existing environmental status vis a vis air, water, noise, soil in 10 km area from the project site.
- Ground water quality at 5-6 locations within 10 km.
- Complete water balance

3. **Socio Economic Data**

- Existing socio-economic status, land use pattern and infrastructure facilities available in the study area were surveyed.

4. **Impacts Identification and Mitigatory Measures**

- Identification of impacting activities from the proposed expansion project during construction and operational phase.
- Impact on air and mitigation measures including green belt
- Impact on water environment and mitigation measures
- Soil pollution source and mitigation measures
- Noise generation and control.
- Hazardous/Solid waste quantification and disposal.
- Control of fugitive emissions

5. **Environmental Management Plan**

- Details of pollution control measures
- Environment management team
- Proposed schedule for environmental monitoring including

6. **Risk Assessment**

- Objectives, Philosophy and methodology of risk assessment
- Details on storage facilities
- Process safety, transportation, fire fighting systems, safety features and emergency capabilities to be adopted.
- Identification of hazards
- Consequence analysis
- Recommendations on the basis of risk assessment done
- Disaster Management Plan.

7. **Information for Control of Fugitive Emissions**
8. **Information on Rain Water Harvesting**
9. **Green Belt Development plan**

ANNEXURE – 11

COPY OF LAND POSSESSION / PLOT ALLOTMENT DOCUMENT

11

REGISTERED A.D

No: GIDC/SO/ALT/ANK/ 2957
Office of the Senior officer,
GUJARAT INDUSTRIAL DEVELOPMENT CORPN.
(A Govt. of Gujarat Undertaking)
Near G.I.D.C. Guest house old colony,
ANKLESHWAR - 393 002, Gujarat.
Tel: No. 2 2 6 3.

Date: 27/3/1984

To,
Shri Baldevbhai G. Prajapati
38/3/11 RCL Flats, GIDC New colony,
Ankleshwar.

Our Reference :-
Your Reference :-
Sub:- Allotment of ~~Plot~~/Shed in Ankleshwar Estate.. Your Application No. 1981-8/2 37 ~~Plot~~-Shed Ankleshwar .

Dear Sir,

We are indeed happy to welcome you in our Ankleshwar estate and accordngly we rae sending this allotment letter to you. We are enclosing herewith the ~~Form of Agreement~~/Agreement for sale in triplicate which you may duly execute and return to us. Itis not necessary for you to execute this agreement in our presence but you could execute it and send it by post also.

1. The agreement forms are required to be signed by all the Partners of a partnership firm on each page. In case of a private/public limited company,it is necessary to send a copy of the Resolution authorising the Director/Officer who is to sign the agreement.

2. It may be noted that if you fail to execute the agreement within a period of 30 days from the date of allotment letter you will be liable to pay the interest on outstanding capita from the date of allotment till you get the allotment letter rescinded at your request.

3. The sketchmap of your Plot/Shed alongwith the relevant secti of the Detailed Development plan/drawing of Shed design is enclosed for your information. You have already been advised about the precedure of obtaining water/power-supply connect- ions as well as other infrastructure conditions alohgwith our earlier letter in the form of a printed booklet.

4. On your sending the agreement duly executed to us, we will send you a possession advice and you will be required to obtain possession from our Junior Enginner.

5. Terms of Payment of the balance amount:- You have already paid an amount of Rs.44,980/- (Rupees ~~Forty four thousand nine hundred eighty only~~) being 20 % of the total price of Plot/Shed. This is the offer amount. You are required to make the payment of remaining amount of Rs.179920/-(Rupees One lac seventy nine thousand nine hundred twenty only. :-
(a) During the first 2 years, only interest at 14 % in 8 quarterly instalments, cash instalment being of Rs. 6297/- The first quartly instalment falls dueon 1/6/84 and thereafter every quarter, you will be required to se the abovementioned amount by a cheque/draft drawn in favo of GIDC to us. After the moratorium period of 2 years is over, the a balance amount of Rs.179920/- being the remaining outstanding amount shall be payable with intrest on reducing balance in 32 quarterly instalments with 14 % rate of interest as mentioned in the enclosed Annexure A .

(b) The rate of interest mentioned above is subject to revision from time to time at the descretion of the corporation and the interest would be payable at such revised rates from such dates as may be specified by the corporation from time to time.

(c) You may please not that the corporation levies penal interest at the rate of 3% over and above the normal rate of interest for the amount in default.

(d) You will be happy to note that the corporation gives 3% rebate in the balance price of Plot/Shed if the remaning, amount is paid in the lumpsum at any stage, on such remaining amount. This facility is also available even in case when the GSFC make payment of the entire amount to us when you obtain loan from them (excepting NES cases).

6. You shall have to company with the provisions of water(Prevention) and Control of Pollution Act, 1974 and accordingly to obtain consent from the State Water Prevention and Control Board, Gujarat State before discharging sewage or treated effluents from your plant and you shall not discharge such sewage or treate effluents without getting such consent and failure to observe this condition would entitle the corporation to disconnect your water-supply and to resume possession of land/shed.

7. Details about your Plot/Shed are as under :-

a. Type of shed and shed Number C1-3912 . b. Price of shed Rs. 179140/- c. Plot Number and area of Plot No.3912
d. Premium Price of Land :

(i) Premium price at the rate of Rs. 65/- Per 704
Price of kind 45,760/-
(ii) Frontage at the rate of Rs. -
For - Rs. -
Total Rs. 2,24,900/-

8. According to the policy of the corporation you shall put the shed to industrial use for manufacturing the product/samentioned in your application within a period of 6 months from the date of allotment failing which corporation is entitled to obtain the possession back. In case of plots, you are required to get the building plants approved within a period of 6 months and you sahll start the production at the end of 2 years from the date of allotment of the plot failing which the Corporation is entitled to take back possession of the plot unless extension is given by Corpn.

9. Other Poiucs:-(Please see Annexure B).

Once again we welcome you to our estate and we not request you to send us the forms of Agreement duly executed at your earlies but not later that 30 days, in order to enable us to handover the possession of the Plot/Shed.

In the meanwhile assuring you best of our services.

We remain,
Yours Faithfully,

(H. V. PATEL)
SENIOR OFFICER / ~~REGIONAL MANAGER.~~

Copy fw.c.s.,to: Executive Enginneer Ankleshwar,I. Divisi.
" Dy. Engineer ,I. Ankleshwar. Estate.
" Senior Accounts Officer (Recovery GIDC).
" Fedia Chambers, 4th Floor,Ashram Road,Ahmedaba
" Audit Officer,GIDC, Ankleshwar.

Encl : 1. Agreement Forms(in triplicate) 2. Annexure A.
3. Annexure B

ANNEXURE – 12

COPY OF CETP MEMBERSHIP LETTER

ENVIRO TECHNOLOGY LIMITED

Ref: ETL/ANK/ 2016-17/ 122C

January 23, 2017

To
M/s Rajesh Pharmaceuticals
Plot No. C-1/3912, G.I.D.C.
ANKLESHWAR-393002

Subject: NOC CERTIFICATE FOR ETL MEMBERSHIP

Dear Sir,

We are in receipt of your letter No. Nil dtd.28-11-16 and pleased to inform you that you have applied for booked Qty. 150KL/ Month effluent discharge to Enviro Technology Ltd. Your ETL membership for the booking quantity is subject to treatability and approvals from Gujarat Pollution Control Board.

It is further notified that ETL will give you membership in either existing or proposed capacity which will be accommodated on first come first served basis after getting NOC from Gujarat Pollution Control Board. You will continue as ETL member for minimum period of ten years from the date of membership of your booked quantity.

Hoping for your association with ETL.

Thanking you,

Yours faithfully

For, ENVIRO TECHNOLOGY LTD.

A.M.DARJI
General Manager (Operation)

Ref: ETL/ANK/ 2016-17/

January 23, 2017

CIN NO. : U72200GJ1994PLC023786
Works Office : 2413/2414 & 2211, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)
Phone : (02646) 223569,252768 Fax : (02646) 250707
Email : dalwadibd@uniphos.com, darjiam@uniphos.com
Reg. Office : 117/118, GIDC Estate, Ankleshwar - 393 002 Dist. : Bharuch (Gujarat)

ANNEXURE – 13

COMMON TSDF & HWIF MEMBERSHIP LETTER

BHARUCH ENVIRO INFRASTRUCTURE LIMITED

Ref. BEIL/ANK/2017

10 July, 2017

To,
Rajesh Pharmaceuticals
Plot No.C-13912,
GIDC,
Ankleshwar.

Sub: NOC for receiving Landfill waste.

Dear Sir,

We are in receipt of your letter dt.10-Jul-17. We would like to inform you that we have no objection in granting you our Landfill membership of **Qty.2 MT/Month you shall pay the required membership fees**.

We shall be accepting your Landfill waste subject to verification of quality and it should be as per GPCB authorization.

Thanking you,

Yours faithfully,
For, BHARUCH ENVIRO INFRASTRUCTURE LTD.

AUTHORISED SIGNATORY

CIN No.: U45300GJ1997PLC032696
Works Office : Plot No. 9701-16 GIDC Estate, Post Box No. 82, Ankleshwar 393 002, Dist. : Bharuch (Gujarat)
Phones (02646) 253135, 225228 • Fax : (02646) 222849 • E-mail : panjwania@uniphos.com
Regd. Office : Plot No. 117-118, GIDC Estate, Ankleshwar 393 002,Dist.: Bharuch. (Gujarat)

BHARUCH ENVIRO INFRASTRUCTURE LIMITED

DATE 07-01-2006

Rajesh Pharmaceuticals
Plot No.C-1/3912,
GIDC, Ankleshwar.

Sub : Membership Certificate for Common Incineration Facility.

Dear Sir,

We hereby certify that you have become member for the common incineration facility of Bharuch Enviro Infrastructure Ltd., at GIDC, Ankleshwar. You have booked quantity of **06 MT/Year.** You have paid Registration fees for common incinerator membership **Rs.20,000/- (SSI Unit)**. Your Membership No. is **CI/Ank./103.**

Thanking you,

Yours faithfully,
For BHARUCH ENVIRO INFRASTRUCTURE LTD.

AUTHORISED SIGNATORY

Plot No. 9701-16 GIDC Estate, Post Box No. 82, Ankleshwar 393 002, Dist.: Bharuch (Gujarat)
Phones (02646) 253135, 225228, 222833, Fax : (02646) 222849 E-mail : aap_beil@narmada.net.in

BHARUCH ENVIRO INFRASTRUCTURE LIMITED

Ref. BEIL/ANK/2017

10 July, 2017

To,
Rajesh Pharmaceuticals
Plot No.C-1/3912,
GIDC,
Ankleshwar.

Sub: NOC for receiving Incinerable waste.

Dear Sir,

We are in receipt of your letter dt.10-Jul-17. You are our member and you are planning to give more quantity of waste to us for incineration.

We would like to inform you that we have no objection in accepting incinerator waste quantity of **18 MT /Year** for incineration. We shall be accepting your **Incinerable** waste subject to verification of quality and it should be as per GPCB authorisation. **You will also be required to increase your booking quantity and necessary fees paid.**

Thanking you,

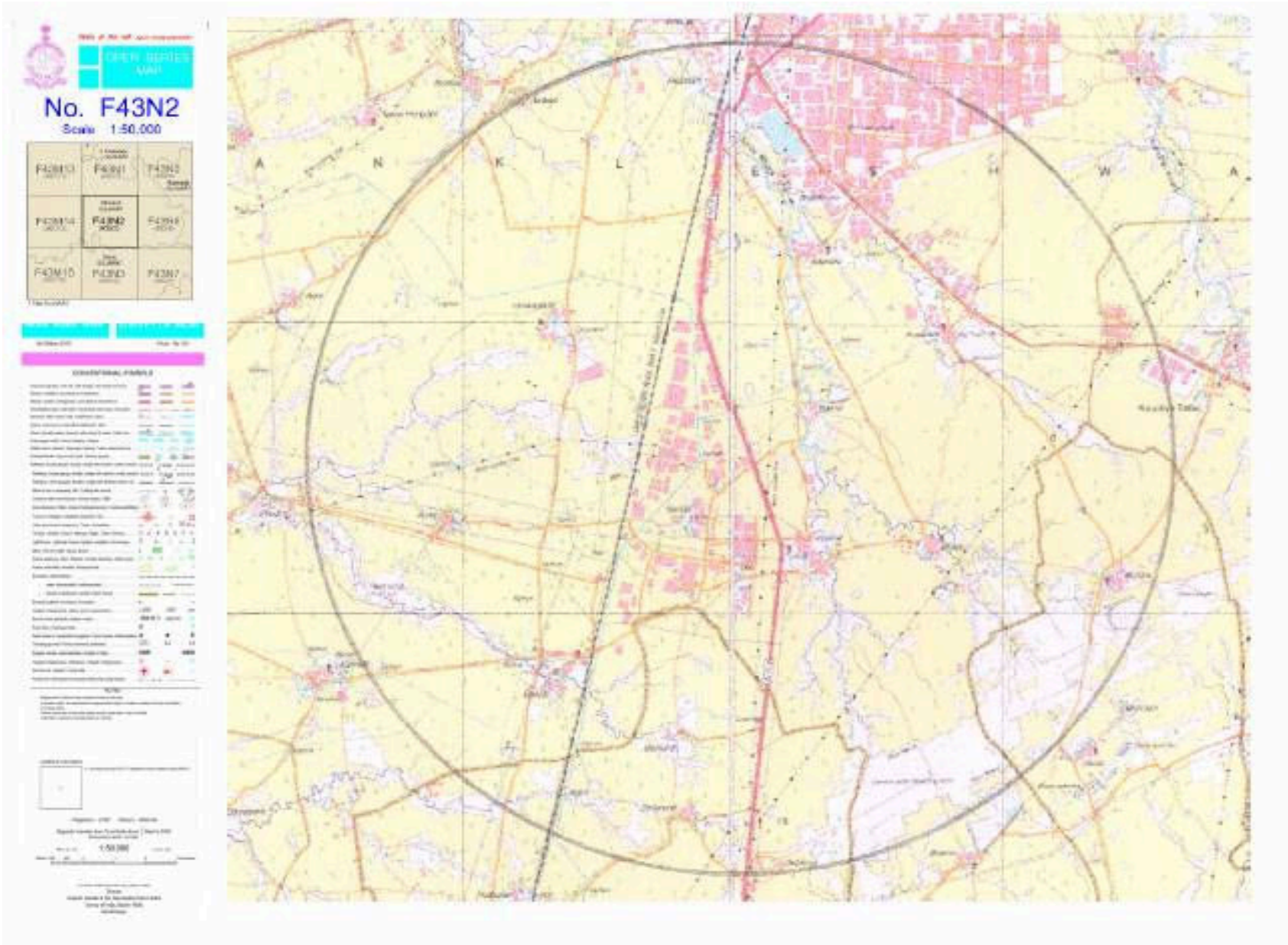
Yours faithfully,
For, BHARUCH ENVIRO INFRASTRUCTURE LTD.

AUTHORISED SIGNATORY

CIN No.: U45300GJ1997PLC032696
Works Office : Plot No. 9701-16 GIDC Estate, Post Box No. 82, Ankleshwar 393 002, Dist. : Bharuch (Gujarat)
Phones (02646) 253135, 225228 • Fax : (02646) 222849 • E-mail : panjwania@uniphos.com
Regd. Office : Plot No. 117-118, GIDC Estate, Ankleshwar 393 002,Dist.: Bharuch. (Gujarat)

ANNEXURE – 14

TOPOSHEET



ANNEXURE – 15

COPY OF GIDC LETTER FOR WATER SUPPLY

No/NA /DEE (WS)/ 1223
Office of the Dy. Ex. Engg.(WS)
Notified Area Office
GIDC, Ankleshwar.
Dt: 5-9-2017

To,
M/s. Rajesh Pharmaceuticals ,
Plot No. C1-3912,
GIDC, Ankleshwar.

Sub :- Water requirement of 19.00 KL / day.
Ref :- Yours letter Dtd 29-06-2017

Dear Sir,

With reference to the above this office will supply the water quantity of 19.00 KL / day as per your requirement and as per permission of GPCB, also as per feasibility of water and as per the rules of the corporation.

This is for your information please.

Thanking you,

Yours Faithfully,

Dy. Ex. Engineer (W/S)
NA, GIDC, Ankleshwar.

29-6-07 water requirement performa

ANNEXURE – 16

COPY OF CURRENT CC&A

GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar-382 021.
Website : www.gpcb.gov.in

BY R.P.A.D.

CCA NO: AWH-66061

NO: GPCB/ANK-401/ID-15540/23362 **DT:** 16-12-2014

In exercise of the power conferred under section-25of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 3(c) & 5(5)of the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rule-2008, framed under the E(P)Act-1986.

And whereas Board has received consolidated application dated **05/8/2014** with inward **no. 82756** for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION:
(Under the provisions / rules of the aforesaid environmental acts)

TO,
M/s. RAJESH PHARMACEUTICALS.,
PLOT NO: C-11/3912,
GIDC ANKLESHWAR,
DIST: BHARUCH.

1. **Consent Order No: AWH-66061, date of Issue 14/11/2014.**
2. The consent under Water Act –1974, Air Act – 1981 and Authorization under Environment (Protection) Act, 1986 **shall be valid up to 4/8/2019** to operate industrial plant for manufacture of the following products:

Sr. No.	PRODUCTS	Quantity MT/Month
1.	Para Nitro Benzyl Bromide	5000 kg
2.	Pyridine Hydrobromide	2000 kg

3. **CONDITION UNDER THE WATER ACT:**

1. There shall be no generation & discharge of the industrial effluent from the manufacturing process and other ancillary industrial operations, **Hence the unit shall strictly adhere to zero discharge.**
2. The quantity of the domestic waste water (sewage) shall not exceed **0.8 KL/Day.**
3. The total water consumption for industrial process and other ancillary operations shall be **1.0 Kl/Day** and water consumption for domestic purpose shall not exceed **1.0 KL/Day** as mentioned in form-D submitted application under Water Act-1974.
4. The unit shall affix of water meters as per Section 4 (1) of the water (Prevention and Control of Pollution) Cess Act – 1977 for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the industry until the contrary is proved.

5. Sewage shall be disposed through septic tank / soak pit system.
6. **The GIDC drainage connection given by the GIDC for discharge of industrial effluent shall be disconnected & the outlet shall be sealed.**

4. CONDITIONS UNDER AIR ACT:

4.1 The following shall be utilized as fuel in the furnace.

Sr. No.	Fuel	Quantity
1.	Wood	4 kg/Day.

4.2 The flue gas emission through stack shall conform to the following standards:

Stack No.	Stack Attached To	Stack Height in Meter	Parameter	Permissible Limit
1.	Boiler	10	Particulate Matter SO_2 NOx	150 mg/NM³ 100 ppm 50 ppm

4.3 The process emission through various stacks/Vent of reactors , process and vessel shall conform to the following standards:

Sr. No.	Stack attached to	Stack height in Meter	Air Pollution Control Measures	Parameter	Permissible limit
1	Reaction vessels (glassline reactor & glass assembly)	20	Alkali Scrubber	HBr	30 mg/NM³

4.4 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder:

PARAMETERS	PERMISSIBLE LIMIT (microgram /M³	
	Annual	24 Hours Average
Particulate Matter (PM_{10})	60	100
Particulate Matter ($PM_{2.5}$)	40	60
Oxide of Sulphur(SO_x)	50	80
Oxide of Nitrogen(NO_x)	40	80

- **Annual arithmetic mean of minimum 10 measurements in a year ata particular site taken twice a week 24 for hourly at uniform intervals.**

- **24 Hourly or 08 hourly or 1 Hourly monitored values, as applicable ,shall be complied with 98 % of the time in a year 2 % of the time they may exceed the limits but not on two consecutive days monitoring.**

4.5 The applicant shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified in condition no.4 .2 & 4.4 above.

4.6 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified in the condition no. 4.2 & 4.4 above.

4.7 The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.

4.8 The Industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(a) during day time and70 dB(A)during night time. Daytime is reckoned in between 6a.m. and10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

5. GENERAL CONDITIONS: -

5.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.

6. AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTE Form-2 (See rule 3 (C) & 5 (5).

6.1 Number of authorization: **AWH- 66061,** Date of issue: **14/11/2014.**

6.2 **M/s. RAJESH PHARMACEUTICALS.,** is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at **PLOT NO: C-11/3912. GIDC ANKLESHWAR, DIST: BHARUCH.**

Sr. No.	Waste	Category	Quantity	Facility
1	Discarded drums/ Carboys	33.3	1.84 MT	Collection, Storage, Transportation & Decontamination.
2	Distillation Residues from contaminated organic solvents	36.4	0.417	Reuse & sold
2	Used Oil	5.1	0.3 MT	Reuse

6.3 The authorization is granted to operate a facility as above.

6.4 The authorization shall be valid up to 04/8/2019.

6.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

7. TERMS AND CONDITIONS OF AUTHORISATION:

7.1 The applicant shall comply with the provisions of the Environment (Protection) Act - 1986 and the rules made there under.

7.2 The authorization shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.

7.3 The persons authorized shall not rent, lend, sell, and transfer of otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.

7.4 Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.

7.5 It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.

7.6 An application for the renewal of an authorization shall be made as laid down in rule 5 (6) (ii).

7.7 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.

7.8 Industry shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.

7.9 Industry shall have to manage waste oil, discarded containers etc., process waste as per Amended Rules – 2003 and shall apply Authorization for all applicable waste as per Amended Rules-2003 with 15 days.

7.10 Industry shall submit annual report within 15 days and sub sequently by 31st January every year.

For and on behalf of
Gujarat Pollution Control Board

(K.C.MISTRY)
SENIOR ENVIRONMENTAL SCIENTIST