



Bharat



**Bharat
RASAYAN LIMITED**

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Distt. Rohtak (Haryana)-124022, Ph.: 01257-260755/756/757 • Fax: 260758

To,

Date:09.05.2025

Advisor,
Ministry of Environment, Forest & Climate Change
Northern Regional Office
Bays No. 24-25, Sector 31-A
Dakshin Marg, Chandigarh-160030

Reference: Environmental Clearance No. J-11011/253/2015-LA-II(I) dated 15/11/2023

Sub: Submission of Point-wise six-monthly compliance report for the period of October-2024 to March-2025 to be submitted in June-2025 of Environmental/Safeguards Conditions stipulated in Environmental Clearance (EC) letter of the Product Mix Expansion of existing products, Pesticides unit production capacity (4260 TPA to 4260 TPA) and By-Products (23541.05 TPA to 23427.02 TPA) located at Plot Nos. 77, 331, 280/1, 258, 216, 250, 310 & 70 at 2 KM Stone, Madina-Mokhra Road, Village Mokhra, Tehsil Meham, Dist. Rohtak, Haryana by M/s Bharat Rasayan Ltd.

Dear Sir,

With reference to the submission of Point wise six-monthly compliance report for the period of October-2024 to March-2025 to be submitted in June-2025, of Environmental/Safeguards Conditions stipulated in obtained Environmental Clearance vide Letter No. J-11011/253/2015-LA-II(I) dated 15/11/2023 for the Expansion of existing products (production capacity - 4260 TPA to 4260 TPA) and By-Products (23541.05 TPA to 23427.02 TPA) located at Plot Nos. 77, 331, 280/1, 258, 216, 250, 310 & 70 at 2 KM Stone, Madina-Mokhra Road, Village Mokhra, Tehsil Meham, Dist. Rohtak, Haryana by M/s Bharat Rasayan Ltd.

In this regard, as per the conditions laid down in the Environmental Clearance Letter, we are hereby submitting point point-wise six-monthly compliance report for the period October-2024 to March-2025 to be submitted in June-2025, along with all the requisite annexures as per the guidelines of Ministry of Environment, Forest & Climate Change.

Thank You.

Yours Faithfully,

For **BHARAT RASAYAN LTD.**
for M/s Bharat Rasayan Ltd.

(Authorised Signatory)

Authorized Signatory

Copy to:

- (i) The Chairman, Haryana State Pollution Control Board, C-11, Sec-2, Panchkula, Haryana.
- (ii) Member Secretary, State Environment Impact Assessment Authority, Bays No. 55-58, Prayatan Bhawan, Sector-2, Panchkula, Haryana.
- (iii) Additional Director, Central Pollution Control Board, BSNL Exchange, Sector-49C, Chandigarh, Haryana-1600047

**SIX-MONTHLY COMPLIANCE REPORT OF STIPULATED
ENVIRONMENTAL CLEARANCE CONDITIONS**

Period of Compliance
(October-2024 to March-2025)

Product Mix Expansion of existing Pesticides Unit (Production capacity- 4260 TPA to 4260 TPA), and By-products (23541.05 TPA to 23427.02 TPA)

**(Environmental Clearance Letter No.
J-11011/253/2015-IA-II(I) dated 15/11/2023)**

at

**Plot Nos. 77, 331, 280/1, 258,
216, 250, 310 & 70 at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Meham, Dist. Rohtak, Haryana**

By

M/s Bharat Rasayan Ltd.

M/s Perfact Solutions (Environment Consultant)

Perfact House,

A 14, Shubham Enclave (Outer Ring Road), Paschim Vihar,

New Delhi-110063

June- 2025

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CHAPTER-I: PURPOSE OF THE REPORT

As per the “Sub Para (ii)” of “Para 10” of EIA Notification 2006, it is stated that “It shall be mandatory for the project management to submit half-yearly compliance reports in respect of the stipulated prior environmental clearance conditions/safeguards in soft copies to the regulatory authority concerned, by June and December of each calendar year” and as per compliance of condition mentioned in Environment Clearance Letter Six monthly compliance reports should be submitted to the Haryana State Pollution Control Board and Regional Office, MOEF, GOI, Northern Region, Chandigarh.

It is mandatory to submit a Six-Monthly Compliance Report to show the status & compliance of all the Conditions mentioned in the Environment Clearance Letter, along with monitoring of various Environmental Parameters (as per CPCB Norms).

The regulatory authorities, in this case, are Haryana State Pollution Control Board, Regional Office-MoEF (Chandigarh), and State Environment Impact Assessment Authority, Haryana.

Based on the Environmental Clearance Conditions mentioned in the EC Letter, a Compliance Report is prepared by the Perfact Solutions on behalf of Project Proponent; details of which are present in Chapter – “Compliance Report”.

Methodology for Preparation of Report is as follows:

1. Study of EC Letter & Related Documents,
2. Site Visits by a representative/team of Environment Consultant,,
3. Monitoring of Environment Parameters, viz. Ambient Air, Drinking Water, Ambient Noise, Soil, ETP Inlet & Outlet, STP inlet & Outlet, DG Stacks, and Boiler Stacks.
4. Analysis of Samples collected during Monitoring,
5. Interpretation of Monitoring Results,
6. Compliance Report, explaining the entire Environmental Clearance conditions in the EC Letter and providing details w.r.t. each condition/ guideline.

CHAPTER II: INTRODUCTION

The proposed project is an existing manufacturing unit with production of pesticides (4,260 TPA) and By-products (23,541.05 TPA to 23,427.02 TPA). It is located at Plot Nos. 77, 331, 280/1, 258, 216, 250, 310, & 70 at 2 KM Stone, Madina-Mokhra Road, Village Mokhra, Tehsil Meham, District Rohtak, Haryana, developed by M/s Bharat Rasayan Ltd. and has been granted Environmental Clearance from the MOEFCC vide letter No. J-11011/253/2015-IA-II(I) dated 15.11.2023 under the EIA Notification, 2006 and its subsequent amendments.

Particulars	Details of Project
Name of the project	Expansion of Existing Pesticides Technical Manufacturing Unit
Developed by	M/s Bharat Rasayan Ltd.
Site address	Plot Nos. 77, 331, 280/1, 258, 216, 250, 310 & 70 at 2 KM Stone, Madina-Mokhra Road, Village Mokhra, Tehsil Meham, Dist. Rohtak, Haryana
Environment Clearance Letter No.	J-11011/253/2015-IA-II(I) dated 15.11.2023
Period of Compliance	October-2024 to March-2025 to be submitted in June-2025
Consent to Establish	Consent to Establish has been granted from HSPCB vide consent No. HSPCB/: CONSENT/:313100923ROHCTE31330011 dated-17.01.2023 valid up to 16.01.2028. (Annexure-II)
Consent to Operate	Consent to Operate has been granted from HSPCB vide consent No. HSPCB/Consent/ : 313100924ROHCTO48518049 dated 22.02.2024 valid up to 30.09.2025. (Annexure-III)
Project Status	Operational

PROJECT DETAILS

The proposed project will have the following salient features:

S No	Particulars	Details								
1.	Details of the Project	Expansion of Pesticides Technical Manufacturing Unit								
2.	Latitude and Longitude of the project site	28.90959496385243,76.43079645568805 28.91172068990458,76.43354157980241								
3.	Land Requirement (in Ha) of the project or activity	<table border="1"> <thead> <tr> <th>Nature of Land involved</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>Non-Forest Land (A)</td> <td>4.4517</td> </tr> <tr> <td>Forest Land (B)</td> <td>0</td> </tr> <tr> <td>Total Land (A+B)</td> <td>4.4517</td> </tr> </tbody> </table>	Nature of Land involved	Area in Ha.	Non-Forest Land (A)	4.4517	Forest Land (B)	0	Total Land (A+B)	4.4517
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		Non-Forest Land (A)	4.4517							
		Forest Land (B)	0							
Total Land (A+B)	4.4517									
4.	Project Cost (in lacs)	5500								
5.	EMP Cost (in lacs)	1277								

DETAILS OF PRODUCTS & BY-PRODUCTS

Name of the product /By-product	Product/ By-product	Existing	Proposed	Total	Unit	Mode of Transport/ Transmission
Alphacypermethrin Technical	Product	100	-80	20	Tons per Annum (TPA)	Road
Bifenthrin Technical	Product	120	430	550	Tons per Annum (TPA)	Road
Cypermethrin Technical	Product	350	-330	20	Tons per Annum (TPA)	Road
Fenvalarate Technical	Product	300	200	500	Tons per Annum (TPA)	Road

Fipronil Tech.	Product	100	-50	50	Tons per Annum (TPA)	Road
Lambda Cyhalothrin Tech.	Product	300	250	550	Tons per Annum (TPA)	Road
Permethrin Tech.	Product	100	-80	20	Tons per Annum (TPA)	Road
Thaimexotham Tech	Product	300	-300	0	Tons per Annum (TPA)	Road
Diafenthiroun Tech.	Product	150	-150	0	Tons per Annum (TPA)	Road
Fluxametamide	Product	0	100	100	Tons per Annum (TPA)	Road
Quinoxifen Tech	Product	0	100	100	Tons per Annum (TPA)	Road
Clodinafop Tech.	Product	100	-100	0	Tons per Annu (TPA)	Road
Propanil Tech.	Product	50	-50	0	Tons per Annum (TPA)	Road
Pyrazosulfuron Tech	Product	20	-20	0	Tons per Annum (TPA)	Road
Imaizethapyre Tech.	Product	25	-25	0	Tons per Annum (TPA)	Road
Safener	Product	30	-30	0	Tons per Annum (TPA)	Road
Tebuconazole Tech.	Product	50	-50	0	Tons per Annum (TPA)	Road
Difenconazole Tech.	Product	50	-50	0	Tons per Annum (TPA)	Road
Myclobutanil	Product	15	-15	0	Tons per Annum (TPA)	Road
Methaphenoxybenzaldehyde	Product	1800	-500	1300	Tons per Annum (TPA)	Road
Parachlorophenyl Isopropyl Acetic acid	Product	200	0	200	Tons per Annum (TPA)	Road
Meta bromo Benzaldehyde	Product	0	20	20	Tons per Annum (TPA)	Road

Parachlorbenzyleyanide	Product	100	0	100	Tons per Annum (TPA)	Road
4-Acety-2-Methy Benzamide	Product	0	100	100	Tons per Annum (TPA)	Road
3,5-Dichloro-2,2,2-Trifluoro Acetophenone	Product	0	150	150	Tons per Annum (TPA)	Road
Parachlorophenyl Acetic acid	Product	0	340	340	Tons per Annum (TPA)	Road
Meta phenoxy Banzal Acetal	Product	0	130	130	Tons per Annum (TPA)	Road
Pilot plant	Product	0	10	10	Tons per Annum (TPA)	Road
Alum	By-Product	9536.4	-498.16	9038.24	Tons per Annum (TPA)	Road
Pot. chloride	By-Product	5036.5	-471.43	4565.07	Tons per Annum (TPA)	Road
Spent Acid	By-Product	824.95	361.37	1186.32	Tons per Annum (TPA)	Road
Hydrochloric Acid 28 %	By-Product	2255	-75.6	2179.4	Tons per Annum (TPA)	Road
Sodium Sulphite	By-Product	1402.9	898.15	2301.05	Tons per Annum (TPA)	Road
Potassium Bromide Soln.	By-Product	3726.7	-382.06	3344.64	Tons per Annum (TPA)	Road
Sodium Bromide Soln.	By-Product	758.6	53.7	812.300	Tons per Annum (TPA)	Road

CHAPTER III: POINT-WISE STATUS OF COMPLIANCES FOR GRANTED ENVIRONMENTAL CLEARANCE CONDITIONS

Part A – Specific Conditions																																			
S. No.	Environmental Conditions/Safeguards	Compliances																																	
i)	The PP shall maintain greenbelt over an area of at least 16068.65 m ² (36.10%). The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP should 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 1st July of every year for the activities carried out during previous year.	<p>The unit has a green area of 16,068.65 square meters, which constitutes 36.10% of the total plot area. The green area is well maintained, and efforts are being made to further enhance it. Numerous new saplings have been planted within the premises, and a new park has also been developed inside the project. The green area includes a variety of species such as Arjun, Neem, Shisham, Ficus, and Papri, along with other trees, herbs, and shrubs.</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Scientific Name</th> <th>Common Name</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td><i>Syzygium cumini</i></td> <td>Jamun</td> </tr> <tr> <td>2.</td> <td><i>Azadirachta indica</i></td> <td>Neem</td> </tr> <tr> <td>3.</td> <td><i>Dalbergia sissoo</i></td> <td>Shisham</td> </tr> <tr> <td>4.</td> <td><i>Eucalyptus spp.</i></td> <td>Blue gum</td> </tr> <tr> <td>5.</td> <td><i>Ficus benghalensis</i></td> <td>Banyan tree</td> </tr> <tr> <td>6.</td> <td><i>Terminalia arjuna</i></td> <td>Arjun tree</td> </tr> <tr> <td>7.</td> <td><i>Polyalthia longifolia</i></td> <td>False Ashoa</td> </tr> <tr> <td>8.</td> <td><i>Pithecellobium dulce</i></td> <td>Tamarind</td> </tr> <tr> <td>9.</td> <td><i>Morus alba</i></td> <td>White Mulberry</td> </tr> <tr> <td>10</td> <td><i>Holoptelea integrifolia</i></td> <td>Papri</td> </tr> </tbody> </table>	S.No.	Scientific Name	Common Name	1.	<i>Syzygium cumini</i>	Jamun	2.	<i>Azadirachta indica</i>	Neem	3.	<i>Dalbergia sissoo</i>	Shisham	4.	<i>Eucalyptus spp.</i>	Blue gum	5.	<i>Ficus benghalensis</i>	Banyan tree	6.	<i>Terminalia arjuna</i>	Arjun tree	7.	<i>Polyalthia longifolia</i>	False Ashoa	8.	<i>Pithecellobium dulce</i>	Tamarind	9.	<i>Morus alba</i>	White Mulberry	10	<i>Holoptelea integrifolia</i>	Papri
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11	<i>Casuarina equisetifolia</i>	Whistling Tree
12	<i>Cascabela thevetia</i>	Kaner
13	<i>Bougainvillea</i>	Paperflower
14	<i>Dalbergia sissoo</i>	Shisham
15	<i>Pithecellobium dulce</i>	Tamarind
16	<i>Holoptelea integrifolia</i>	Papri
17	<i>Cascabela thevetia</i>	Kaner
18	<i>Ficus Carcia</i>	Ficus

The survival rate of all the trees and plants is 80%.

An amount of ₹1,73,250.00 has been spent on landscaping and plantation for the existing green area.

An audited statement, along with proof of activities, has been submitted to the Regional Office of MoEF&CC with six six-monthly compliance report.

ii)	<p>A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/ specialisation in the project area) equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. PP shall engage VP operations- Environment cell- Health and safety cell- Manager EHS- dy. Manager EHS- Supervisor- Helper- Medical officer- safety officer supervisor. 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. 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 previous year.</p>	<p>An Integrated Environmental Management Cell having qualified persons with Environmental Science/Environmental Engineering/ specialisation in the project has been provided with full-fledged laboratory facilities to carry out the Environmental Management and Monitoring functions and We have management system to ensure the quality of environment, occupational, Health and safety legislative & Other requirements, conserve natural resources and minimise wastes. Copy of the EMP/EHS had been submitted with the last compliance Report (June-2024).</p> <p>The annual amount of Rs. 1,88,67,281/- spent on the engagement of qualified personnel in EMC.</p> <p>We will submit an audited statement along with proof of activities to the Regional Office of MoEF&CC before 1st July of 2025.</p>
iii)	<p>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 is 12.77 Crores (Capital cost) and 9.78 Cr per annum (Recurring cost) shall be kept in 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</p>	<p>We are complying with all the environmental protection measures and safeguards as proposed and submitted to the Ministry. We conduct HAZOP/HAZEN by engaging third party consultants; We do take the recommendations of the experts and get those recommendations implemented in addition to the provisions made in the EIA/EMP in respect of environmental management and risk mitigation measures related to the project.-</p> <p>The audited statement, along with proof of implementation of activities proposed under the EMP including photographs of the implemented activities such as the installation of DG sets (750 kVA, 03 nos),</p>

	year for the activities carried out during previous year.	Bag filters, and the Online ambient monitoring system, all has been enclosed.
iv)	The total water requirement shall not exceed 318 KLD, out of which, 235 KLD shall be freshwater requirement from ground water source and 83 KLD shall be treated water requirement (50 KLD from ETP & 33 KLD from STP). The PP shall ensure that water supply should not be exceed the permissible limit as mentioned in the letter and fresh water from ground water shall be withdrawn only after obtaining requisite permission from CGWA. The PP shall submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year	At present water requirement is 271.41 KLD and we ensure that the total water requirement will not exceed 318 KLD in the future. It is being compiled at present. Further, We have obtained approval from Haryana Water Resource Authority. Copy of the same is enclosed as Annexure-VI Noted.
v)	Biomass / LPG shall be used as a fuel in the Boiler and TFH.	Biomass and LPG are used as fuels in the boiler and Thermic Fluid Heater (TFH). The existing boilers are equipped with an Air Pollution Control System (APCS) comprising a multi-cyclone separator with an ESP, while the TFH is connected to a bag filter.
vi)	The total trade effluent from the production activities shall increase from 49.61 KLD to 53 KLD which shall be treated in ETP. 53 KLD trade effluent shall be treated in effluent treatment plant of capacity 100 KLD comprising of neutralization, evaporation, biological treatment, filtration, RO plant to achieve 100% treated water reuse in process. Sewage of about 35 KLD shall be sent to the STP and treated water from STP of about 33 KLD shall be used for gardening. 'Zero' effluent discharge shall be adopted and no effluent will be discharged outside the premises.	At present, since the production is made in batch, depending upon the market demands, and more often the effluent is more of the same COD and TDS range, the entire effluent is collected and sent to an ETP of 100 KLD followed by MEE and RO unit. Treated effluent is recycled and reused with the project. A Sewage Treatment Plant (STP) with a capacity of 35 KLD has been installed to treat the domestic wastewater generated by the project. The treated water is reused within the premises, and no wastewater or treated water is discharged outside the project site.
vii)	No banned chemicals shall be manufactured by the project proponent. No banned raw materials	We are not manufacturing any banned chemicals.

	shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.	
viii)	The project proponent 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.	We are not doing any carbon emission activity from our process.
ix)	The project proponent shall comply with the environment norms for Pesticide Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 446 (E), dated 13.6.2011 under the provisions of the Environment (Protection) Rules, 1986.	We are complying with the environment norms for Pesticide Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 446 (E), dated 13.6.2011 under the provisions of the Environment (Protection) Rules, 1986.
x)	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent 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.	All necessary precautions are being taken to avoid accidents and an action plan has already been implemented for existing capacity to avoid any Explosion in process/storage areas, any Fire/ Explosion in the boiler area and to avoid Chemical Leakage/Chemical spillage/ release. We have already implemented the onsite/offsite emergency plan.
xi)	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.	<p>The volatile organic compounds (VOCs)/Fugitive emissions are being controlled by installed two stage scrubbers. Regular monitoring of VOCs is being carried out.</p> <p>Fugitive Emission Control measure:</p> <ul style="list-style-type: none"> • All solvent-containing vessels & tanks are equipped with condensers connected to Chilled water and

		<p>Brine solution for effective control of solvent/ VOC emissions.</p> <ul style="list-style-type: none"> ● Reactors/connections are provided with mechanical seals. ● Solvent handling pumps are provided with mechanical seals. ● Solvents are transferred in a closed line and added in the vessel by side wall wetting. It ensures no vapour generation during transfer operation. ● The traces of vapour generated in the vessel are sent to the scrubber.
xii)	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.	Noted. Minimum quality of the hazardous raw material is maintained at the project Copy of Disposal agreement is an closed Annexures-VII
xiii)	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.	<p>We conduct health surveillance of workers twice a year, as per the applicable norms, and maintain relevant records accordingly.</p> <p>All workers and employees is provided with the necessary safety kits and masks for personal protection.</p>
xiv)	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.	<p>Regular training sessions have been conducted for all employees on safety and health aspects related to chemical handling. An action plan for mitigation measures has been properly implemented based on safety and risk assessment studies. The details of the training are enclosed as Annexure-XIII.</p> <p>Safety audits have also been conducted at regular interval</p>
xv)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	The unit has made adequate arrangements with fire hydrant and extinguisher to prevent and manage possible fire hazards during the manufacturing process and material

		handling. The fire-fighting system has been installed as per the applicable norms and standards to ensure the safety of personnel and infrastructure.
xvi)	The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	The solvent management is being carried out as follows: (a) Reactor has been connected to the condenser system. (b) Reactors/ connections are provided with mechanical seals. And Solvent handling pumps are provided with mechanical seals. (C) Solvents are transferred in a closed line and added in the vessel by side wall wetting. It ensures no vapour generation during the transfer operation. The traces of vapour generated in the vessel are sent to the scrubber.
xvii)	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.	We would like to confirm that waste minimization measures are being effectively implemented in the project plant.
B	Standard Conditions	
S. No	Environmental Conditions/Safeguards	Compliances
i)	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	Noted and agreed. If any expansion is proposed further prior permission will be taken.

	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.	
ii)	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.	<p>We have obtained authorization under Hazardous and Other Wastes(Management & Transboundary Movement) Rules, 2016 vide id No. : HWM/ROH/2024/27065815 dated 10.04.2024 which is valid upto 30.09.2025, Copy of the same is enclosed as Annexure-VII.</p> <p>We have obtained a licence to import and store petroleum from PESO Licence No. P/HQ/HN/15/329(P1886) valid up to 31.12.2026.</p>
iii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	<p>We are using energy efficient equipment and LED based bulb, tube lights.</p> <p>An energy audit has also been conducted during this period.</p>

iv)	<p>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).</p>	<p>To reduce Ambient Noise level the following measures has been adopted adopted-:</p> <ul style="list-style-type: none"> ● DG set with acoustic enclosure & placed inside an acoustically treated room as per CPCB guidelines. ● Noise generating units like machinery area, canteen etc. are well insulated with enclosed doors. Earmuffs/plus are being used while in high-noise areas. ● Periodically maintenance of vehicles and machinery to ensure the best performance. ● A well maintained green belt helps in reducing noise levels in the complex. <p>The ambient noise levels are being conformed to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>
v)	<p>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 administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.</p>	<p>We are actively engaged in corporate social responsibility by renovating government school infrastructure, providing computers for education, supporting local healthcare services, and contributing to the development of green belts and recreation parks. These initiatives reflect our commitment to socio-economic development in the surrounding area. Copy of CSR Expenditure done till date is attached as Annexure- XII</p>
vi)	<p>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</p>	<p>We have earmarked 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</p>

	conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	schedule for all the conditions stipulated.
vii)	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.	A copy of EC has been sent to the concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body.
viii)	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.	Six-monthly compliance reports have been regularly submitted to the concerned department and uploaded on the Parivesh portal. These reports include the status of compliance with the stipulated Environmental Clearance conditions, along with the results of environmental monitoring.
ix)	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.	The Environmental Statement for each financial year ending 31st March in Form-V as is mandated is being submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently. (Annexure-IX)
x)	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	Complied with the requirement. Advertisement copy has already been submitted along with the initial compliance report.

	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.	
xi)	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.	We have already complied.
xii)	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.	Noted.
C	Additional Conditions	
S. No	Environmental Conditions/Safeguards	Compliances
i)	Two stage Scrubbers shall be provided to control process emissions viz. HCl, HBr, Cl ₂ and SO ₂ . The scrubbing media shall be reclaimed or sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.	We have provided two stage scrubbers with a water-packed bed absorption tower followed by a caustic venturi scrubber to control process emissions viz. HCl, HBr, Cl ₂ and SO ₂ . The scrubbing media is reclaimed or sent to effluent treatment plant (ETP) for treatment and efficiency of scrubber is being monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards. Copy of monitoring report is enclosed as Annexure-XIV
ii)	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	Noted. No single used plastic is used within the premises. Copy of the same is enclosed as Annexure-XVI

	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.	
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ANNEXURE- I
COPY OF ENVIRONMENTAL CLEARANCE GRANTED



File No: J-11011/253/2015-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate
Change
IA Division



Date 15/11/2023



To,

SHRI. KAMLESHWAR PRASAD UNIYAL
M/s BHARAT RASAYAN LIMITED
2 KM STONE, MADINA MOKHRA ROAD, VILLAGE-MOKHRA, TEHSIL-MAHAM, DISTT.
ROHTAK, HARYANA-124022
kpuniyal@bharatgroup.co.in

Subject: Proposed change in the product mix of the Existing Pesticides unit (production capacity-4260 TPA) and By-Products (23541.05 TPA to 23427.02 TPA) located at Plot Nos. 77, 331, 280/1, 258, 216, 250, 310 & 70 at 2 KM Stone, Madina-Mokhara Road, Village Mokhara, Tehsil Meham, Dist. Rohtak, Haryana by M/s Bharat Rasayan Ltd. - Consideration of EC-Reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/HR/IND3/440553/2023 dated 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.	EC23A2002HR5281857N
(ii) File No.	J-11011/253/2015-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(b) Pesticides industry and pesticide specific intermediates (excluding formulations)
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	Expansion of Pesticides Technical Manufacturing Unit
(viii) Name of Company/Organization	BHARAT RASAYAN LIMITED BRL
(ix) Location of Project (District, State)	ROHTAK, HARYANA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

1. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A, B and C)/ EIA & EMP Reports were submitted to the MoEF&CC for an appraisal by the Expert Appraisal Committee (EAC) Industry-III under the provision of EIA notification 2006 and its subsequent amendments.
2. The above-mentioned proposal has been considered by Expert Appraisal Committee (EAC) Industry-III in 64th EAC meeting held on 13th September, 2023. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above or through the following web link https://parivesh.nic.in/utildoc/11562883_1695301455967.pdf.
3. The brief about configuration of products and byproducts as submitted by the Project Proponent in Form-1 (Part A, B and C)/ EIA & EMP Reports / presented during Expert Appraisal Committee (EAC) Industry-III are annexed to this EC as Annexure (1).
4. The Expert Appraisal Committee (EAC) Industry-III in 64th EAC meeting held on 13th September, 2023 , based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.
5. The MoEF&CC has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the Expert Appraisal Committee hereby accords Environment Clearance to the instant proposal of **M/s Bharat Rasayan Ltd.** under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)
6. The Ministry reserves the right to stipulate additional conditions, if found necessary.
7. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
8. The Project Proponent is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
9. Validity of EC is upto Ten years from the date of issuance of this EC. Validity of EC becomes perpetual subject to the start of production operations by the project or activity on or before the validity period. In case the project proponent fails to start the production operations within the EC validity date, application for EC validity extension shall be submitted to the regulatory authority as per the provision contained in the Para 9.0 of EIA notification, 2006 and its amendment.
10. General Instructions:
 - (a) 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.
 - (b) 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.
 - (c) 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.
 - (d) 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 perational 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.
 - (e) 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.
 - (f) 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.

(g) 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.

11. This issues with the approval of the Competent Authority

Copy To

1. The Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana.
2. Deputy Director General of Forests (C), Ministry of Env., Forest and Climate Change, Integrated Regional, Office, Bays No. 24-25, Sector 31 A, Dakshin Marg, Chandigarh — 160030
3. Additional Chief Secretary, Directorate Environment & Climate Change Haryana, Govt. of Haryana, 2nd Floor, Bays No. 55-58, Prayatan Bhawan, Sector-2, Panchkula, Haryana-134117
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 32
5. The Member Secretary, Central Ground Water Authority, Jannagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
6. The District Collector, District **Rohtak**, Haryana
7. Guard File/Monitoring File/Website/Record File

Annexure 1

Specific EC Conditions for (Pesticides Industry And Pesticide Specific Intermediates (Excluding Formulations))

1. Specific Conditions

S. No	EC Conditions
1.1	<ol style="list-style-type: none">1. The PP shall maintain greenbelt over an area of at least 16068.65 m² (36.10%). The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP should 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 1st July of every year for the activities carried out during previous year.2. 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. PP shall engage VP operations- Environment cell- Health and safety cell- Mnager EHS- dy. Manager EHS- Supervisor- Helper- Medical officer- safety officer-supervisor. 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. 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 previous year.3. 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 is 12.77 Crores (Capital cost) and 9.78 Cr per annum (Recurring cost) shall be kept in 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 &

S. No	EC Conditions
	<p>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 previous year.</p> <ol style="list-style-type: none"> 4. The total water requirement shall not exceed 318 KLD, out of which, 235 KLD shall be freshwater requirement from ground water source and 83 KLD shall be treated water requirement (50 KLD from ETP & 33 KLD from STP). The PP shall ensure that water supply should not be exceed the permissible limit as mentioned in the letter and fresh water from ground water shall be withdrawn only after obtaining requisite permission from CGWA. The PP shall submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year. 5. Biomass / LPG shall be used as a fuel in the Boiler and TFH. 6. The total trade effluent from the production activities shall increase from 49.61 KLD to 53 KLD which shall be treated in ETP. 53 KLD trade effluent shall be treated in effluent treatment plant of capacity 100 KLD comprising of neutralization, evaporation, biological treatment, filtration, RO plant to achieve 100% treated water reuse in process. Sewage of about 35 KLD shall be sent to the STP and treated water from STP of about 33KLD shall be used for gardening. 'Zero' effluent discharge shall be adopted and no effluent will be discharged outside the premises. 7. No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard. 8. The project proponent 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. 9. The project proponent shall comply with the environment norms for Pesticide Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 446 (E), dated 13.6.2011 under the provisions of the Environment (Protection) Rules, 1986. 10. All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent 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. 11. 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. 12. 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. 13. 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. 14. Training shall be imparted to all employees on safety and health aspects for handling chemicals. <i>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.</i> 15. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms. 16. The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be

S. No	EC Conditions
	<p>connected with vent condensers with chilled brine circulation.</p> <p>17. 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.</p>

Standard EC Conditions for (Pesticides industry and pesticide specific intermediates (excluding formulations))

1.

S. No	EC Conditions
1.1	<p>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.</p>
1.2	<p>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.</p>
1.3	<p>The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.</p>
1.4	<p>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).</p>
1.5	<p>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 administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.</p>
1.6	<p>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.</p>
1.7	<p>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</p>

S. No	EC Conditions
	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) Two stage Scrubbers shall be provided to control process emissions viz. HCl, HBr, Cl₂ and SO₂. The scrubbing media shall be reclaimed or sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.

(ii) 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.

Annexure 2

Details of the Project

S. No.	Particulars	Details	
a.	Details of the Project	Expansion of Pesticides Technical Manufacturing Unit	
b.	Latitude and Longitude of the project site	28.90959496385243,76.43079645568805 28.91172068990458,76.43354157980241	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	Area in Ha
		Non-Forest Land (A)	44.517
		Forest Land (B)	0
		Total Land (A+B)	44.517
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 laes)	5200	
g.	EMP Cost (in laes)	1247	
h.	Employment Details		

Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Alphacypermethrin Technical	Product	100	-80	20	Tons per Annum (TPA)	Road
Bifenthrin Technical	Product	120	430	550	Tons per Annum (TPA)	Road
Cypermethrin Technical	Product	350	-330	20	Tons per Annum (TPA)	Road
Fenvalarate Technical	Product	300	200	500	Tons per Annum (TPA)	Road
Fipronil Tech.	Product	100	-50	50	Tons per Annum (TPA)	Road
Lambda Cyhalothrin Tech.	Product	300	250	550	Tons per Annum	Road

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
					(TPA)	
Permethrin Tech.	Product	100	-80	20	Tons per Annum (TPA)	Road
Thaimexotham Tech	Product	300	-300	0	Tons per Annum (TPA)	Road
Diafenthioum Tech.	Product	150	-150	0	Tons per Annum (TPA)	Road
Fluxametamide	Product	0	100	100	Tons per Annum (TPA)	Road
Quinoxifen Tech	Product	0	100	100	Tons per Annum (TPA)	Road
Clodinafop Tech.	Product	100	-100	0	Tons per Annum (TPA)	Road
Propanil Tech.	Product	50	-50	0	Tons per Annum (TPA)	Road
Pyrazosulfuron Tech	Product	20	-20	0	Tons per Annum (TPA)	Road
Imazethapyre Tech.	Product	25	-25	0	Tons per Annum (TPA)	Road
Safener	Product	30	-30	0	Tons per Annum (TPA)	Road
Tebuconazole Tech.	Product	50	-50	0	Tons per Annum (TPA)	Road
Difenconazole Tech.	Product	50	-50	0	Tons per Annum (TPA)	Road
Myclobutanil	Product	15	-15	0	Tons per Annum (TPA)	Road
Methaphenoxybenzaldehyde	Product	1800	-500	1300	Tons per Annum (TPA)	Road
Parachlorophenyl Isopropyl Acetic acid	Product	200	0	200	Tons per Annum (TPA)	Road
Parachlorbenzylcyanide	Product	100	0	100	Tons per Annum (TPA)	Road

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Parachlorophenyl Acetic acid	Product	0	20	20	Tons per Annum (TPA)	Road
Meta phenoxy Banzal Acetal	Product	0	130	130	Tons per Annum (TPA)	Road
Pilot plant	Product	0	10	10	Tons per Annum (TPA)	Road
Alum	By-Product	9536.4	-498.16	9038.24	Tons per Annum (TPA)	Road
Pot. chloride	By-Product	5036.5	-471.43	4565.07	Tons per Annum (TPA)	Road
Spent Acid	By-Product	824.95	361.37	1186.3200000000002	Tons per Annum (TPA)	Road
Hydrochloric Acid 28 %	By-Product	2255	-75.6	2179.4	Tons per Annum (TPA)	Road
Sodium Sulphite	By-Product	1402.9	898.15	2301.05	Tons per Annum (TPA)	Road
Potassium Bromide Soln.	By-Product	3726.7	-382.06	3344.64	Tons per Annum (TPA)	Road
Sodium Bromide Soln.	By-Product	758.6	53.7	812.3000000000001	Tons per Annum (TPA)	Road
4-Acety-2-Methy Benzamide	Product	0	100	100	Tons per Annum (TPA)	Road
3,5-Dichloro-2,2,2-Trifluoro Acetophenone	Product	0	150	150	Tons per Annum (TPA)	Road
Meta bromo Benzaldehyde	Product	0	20	20	Tons per Annum (TPA)	Road

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IA DIVISION-INDUSTRY-3 SECTOR)**

Dated: 21.09.2023

MINUTES OF THE 64th EXPERT APPRAISAL COMMITTEE (INDUSTRY-3 SECTOR) MEETING HELD ON 13th SEPTEMBER, 2023

Venue: Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 through Video Conferencing (VC)

Time: 10:30 AM onwards

(i) Opening Remarks by the Chairman

Prof. (Dr.) A.B. Pandit, Chairman welcomed the Committee members and opened the EAC meeting for further deliberations.

(ii) Details of Agenda items by the Member Secretary

The Member Secretary apprised the Committee about the details of Agenda items to be discussed during this Expert Appraisal Committee (EAC) meeting.

(iii) Confirmation of Minutes of the 63rd EAC Meeting.

The EAC noted that the final minutes of the above meeting were issued after incorporating the comments offered by the members and approved by the Chairman. The EAC confirmed the MoM.

Agenda No. 64.1

Proposed Pesticides Intermediates & Specialty Chemicals manufacturing unit with Production Capacity of 100 MT/Month located at Plot No. C-157, Saykha Industrial Estate, Taluka -Vagra, District -Bharuch, Gujarat by M/s. Niyam Organic - Reconsideration of Environmental Clearance

[Proposal No. IA/GJ/IND3/435715/2023; File No. IA-J-11011/45/2022-IA-II(I)]

1. The proposal is for Environmental Clearance for the Proposed Pesticides Intermediates & Specialty Chemicals manufacturing unit with production capacity of 100 MT/Month located at Plot No. C-157, Saykha Industrial Estate, Taluka -Vagra, District -Bharuch, Gujarat by M/s. Niyam Organic.

specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be fire proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.

- (xix) The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
- (xx) 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.

Agenda No. 64.2

Proposed change in the product mix of the Existing Pesticides unit (production capacity-4260 TPA) and By-Products (23541.05 TPA to 23427.02 TPA) located at Plot Nos. 77, 331, 280/1, 258, 216, 250, 310 & 70 at 2 KM Stone, Madina-Mokhara Road, Village Mokhra, Tehsil Meham, Dist. Rohtak, Haryana by M/s Bharat Rasayan Ltd.- Consideration of Environmental Clearance

[Proposal No. IA/HR/IND3/440553/2023; File No. J-11011/253/2015-IA-II(I)]

1. The proposal is for the grant of Environmental Clearance to the Proposed change in the product mix of the Existing Pesticides unit (production capacity-4260 TPA) and By-Products (23541.05 TPA to 23427.02 TPA) located at Plot Nos. 77, 331, 280/1, 258, 216, 250, 310 & 70 at 2 KM Stone, Madina-Mokhara Road, Village Mokhra, Tehsil Meham, Dist. Rohtak, Haryana by M/s Bharat Rasayan Ltd.
2. The project/activity is covered under Category 'A' of Item 5(b) **Pesticides industry and pesticide specific intermediates**, of Schedule of EIA Notification, 2006 (as amended) as the project is located outside the industrial area.
3. The PP applied for Environment Clearance in Common Application Form under clause 7 (ii) as per OM dated 11th April 2022 and submitted EIA/EMP Report and other documents. The PP reported that it is an **Expansion case**. The proposal is placed in 64th EAC Meeting held on 13th September, 2023 wherein the Project Proponent and an accredited Consultant, M/s. Perfect Enviro Solutions Pvt. Ltd (NABET Accreditation Number - NABET/EIA/2225/RA0284, valid till 21.11.2025], made a detailed presentation on the salient features of the project and informed the following:

4. The PP reported that the existing land area is 44517.65 m². No additional land will be required for proposed expansion and no R& R is involved in the Project. The details of products and by-products are as follows:

S. No	Products	CAS No.	Existing Capacity (TPA)	Proposed Capacity (TPA)	Total after Expansion (TPA)	Transportation by Road/Sea
Insecticide						
1	Alphacypermethrin Technical	67375-30-8	100	-80	20	Road
2	Bifenthrin Technical	82657-4-3.	120	430	550	Road
3	Cypermethrin Technical	52315-07-8	350	-330	20	Road
4	Fenvalerate Technical	51630-58-1	300	200	500	Road
5	Fipronil Tech.	120068-37-3	100	-50	50	Road
6	Lambda Cyhalothrin Tech.	91465-08-6	300	250	550	Road
7	Permethrin Tech.	52645-53-1	100	-80	20	Road
8	Thaimexotham Tech	153719-23-4	300	-300	0	Road
9	Thaimexotham Tech	80060-09-9	150	-150	0	Road
10	Fluxametamide	928783-29-3	0	100	100	Road
11	Quinoxifen Tech	124495-18-7	0	100	100	Road
Herbicide						
12	Clodinafop Tech.	105512-06-9	100	-100	0	Road
13	Propanil Tech.	709-98-8	50	-50	0	Road
14	Pyrazosulfuron Tech	93697-74-6	20	-20	0	Road
15	Imazethapyr Tech.	81335-77-5	25	-25	0	Road

16	Safener	98730-04-2	30	-30	0	Road
Fungicide						
17	Tebuconazole Tech	107534-96-3	50	-50	0	Road
18	Difenoconazole Tech	119446-68-3	50	-50	0	Road
19	Myclobutanil	88671-89-0	15	-15	0	Road
Intermediates						
20	Methaphenoxybenzaldehyde	39515-51-0	1800	-500	1300	Road
21	Parachlorophenol Isopropyl Acetic acid	876-27-7	200	0	200	Road
22	Parachlor Benzyl Cyanide	140-53-4	100	0	100	Road
23	AMBAD	1095275-06-1	0	100	100	Road
24	DECAP	130336-16-2	0	150	150	Road
25	Parachlorophenyl Acetic acid	1878-66-6	0	340	340	Road
26	Metabromo Benzaldehyde	3132-99-8	0	20	20	Road
27	Meta phenoxy Benzyl Acetal	13826-35-2	0	130	130	Road
28	Pilot plant	-	0	10	10	Road
Total			4260	0	4260	
By -products						
29	Alum	7784-24-9	9536.4	-498.16	9038.24	Road
30	Pot. chloride	7447-40-7	5036.5	-471.43	4565.07	Road
31	Spent Acid	7664-93-9	824.95	361.37	1186.32	Road
32	Hydrochloric Acid 28 %	7647-01-0	2255	-75.60	2179.40	Road
33	Sodium Sulphite	7757-83-7	1402.9	898.15	2301.05	Road
34	Potassium Bromide Soln.	7758-02-3	3726.7	-382.06	3344.64	Road

35	Sodium Bromide Soln.	7647-15-6	758.6	53.70	812.30	Road
Total			23541.05	-114.03	23427.02	

5. The PP reported that there is no violation case as per the Notification No. S.O.804(E) dated 14.03.2017 and no direction is issued under E(P) Act/Air Act/Water Act.
6. The PP reported that there are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, etc. within 10 km distance from the project site. Panoli Lake is at a distance of 1.85 km in S direction from the project site. The PP reported that one Schedule-I species i.e Pavo cristatus (Peafowl) were observed in the 10 km radius from the proposed project for which conservation plan has been prepared and submitted to Deputy Conservator of Forests on 4.9.2023.
7. The PP reported that earlier EC was granted by the Ministry vide F.No. IA-J-11011/253/2015-IA-II(I) dated 31st May 2018 with total existing capacity for product - 4260.00 TPA & for by product -23541.05 TPA. Later an amendment in EC was granted vide F.No. IA-J-11011/253/2015-IA-II(I) dated 22nd March 2019 for manufacturing of bio pesticides at least @10% of the total production. The project has already been granted Consent to Operate (CTO) Vide letter no. 313100923ROHCTO32981173 by HSPCB dated 10/02/2023 valid upto 30/09/2025.
8. The PP has obtained CCR to the existing EC from IRO Chandigarh vide letter dated 13.6.2023. Action taken report for the partially complied conditions has been submitted vide letter dated 23.6.2023.
9. The PP reported that **Ambient air quality** results for primary pollutants and specific pollutants as under show that the quality of air in the study area conforms to the NAAQS, 2009 except in case of PM₁₀ and PM_{2.5} due to anthropogenic activities like farming, lack of surviving trees in the buffer zone and nearby roads. Core Zone:- PM₁₀ ranges from 69.76 µg/m³ to 123.71 µg/m³, PM_{2.5} ranges from 38.95 µg/m³ to 63.99 µg/m³, SO₂ ranges from 6.66 µg/ m³ to 11.07 µg/ m³, NOx ranges from 19.45 µg/ m³ to 31.5 µg/ m³, CO ranges from 0.45 mg/ m³ to 0.69 mg/m³, VOC ranges from 0.45 mg/m³ to 1.95 mg/m³, THC ranges from 2.89 mg/ m³ to 4.42 mg/ m³. Buffer Zone: - PM₁₀ ranges from 71.86 µg/ m³ to 143.55 µg/m³, PM_{2.5} ranges from 65.91 µg/ m³ to 78.71 µg/ m³, SO₂ ranges from 7.26 µg/ m³ to 13.58 µg/ m³, NOx ranges from 20.03 µg/m³ to 36.55 µg/m³, CO ranges from 0.44 mg/m³ to 0.80 mg/m³, VOC ranges from 1.31 mg/m³ to 2.08 mg/m³, THC ranges from 3.15 mg/m³ to 5.44 mg/m³. **Noise** - Noise Monitoring was carried out at 8 locations and the results showed that core zone Leq values ranged from 62.6 dB(A) to 63.4 dB(B) for the day time and 56.7 dB(A) to 57.6 dB(A) for the Night time. Whereas, Buffer Zone: 53.7 dB(A) to 69.7 dB(A) for the day time and 44.2 dB(A) to 60.2 dB(A). for the Night time. It may be concluded that ambient noise level during day time at the proposed project site varies from 62.6 dB (A) to 63.4 dB (A) which are within the day time standard limit of Industrial area ~ 75 dB (A). During night the noise level at the project site ranges from 56.7 dB (A) to 57.6 dB (A) which are within

the night time standard limit of Industrial area 70.0 dB (A) and in Buffer zone is slightly higher than the limit due to residential activity and vehicular activity.

10. **Ground water** - Ground water Quality Monitoring was carried out at 8 locations; **Core Zone data shows that** all the parameters (Color, odor, Turbidity, pH Value, Temperature, Conductivity, TDS, Chloride, Fluoride, Total Hardness, Ca, Mg, SO₄, Na, K, TSS, Alkalinity, Nitrate Nitrogen are within the drinking water standards and quality in buffer zone shows range of primary characteristics as pH: 6.7-7.8, Total Hardness: 232- 440 mg/l, Chlorides: 83.97-656 mg/l, TDS: 496-2272 mg/l. Surface water Quality Monitoring was carried out at 5 locations and **Buffer Zone: pH: 7.3-7.7 ; DO: 4.2-5.6 mg/l and BOD: 6.4-25.9 mg/l, COD: 24-112 mg/l. Surface water-** The Surface water quality of the surface water sampling locations Mokhra Pond, Lakhan Majra, Meham drain, Podn Near Bahu Akbarpur, Pond near Madina are meeting the criteria defined by class "C" as per CPCB water quality criteria for designated best use. Whereas, the Surface water quality of the surface water sampling locations Mokhra Pond 1.91 km S and Meham Drain 3.57 km ESE are meeting the criteria defined by class "C" i.e. Drinking water sources after conventional treatment and disinfection as per CPCB water quality criteria for designated best use. **Soil Quality Monitoring** was carried out at 7 locations and the analysis showed that Core Zone samples had Texture- [Sand% (4.0), Silt % (21.2), Clay % (74.7)], Organic Matter-1.2 %, Available Nitrogen (mg/kg)- 105.0, Available Potassium (mg/kg)- 47.9, Available Phosphorus (mg/kg)- 18.2. Whereas, the Buffer Zone: Texture- [Sand% (2.8-6.0), Silt % (43.5-50.6), Clay % (46.1-54.0)], Organic Matter-0.3-0.9 %, Available Nitrogen (mg/kg)- 81.2-267.4, Available Potassium (mg/kg)- 29.8-234.6, Available Phosphorus (mg/kg)- 10.6-24.2.
11. The PP reported that there is no change in the total/ freshwater requirement due to the proposed product mix change. The total water requirement is 318 KLD, out of which, 235 KLD is freshwater requirement and 83 KLD is treated water requirement (50 KLD from ETP & 33 KLD from STP). Out of 235 KLD fresh water, 100 KLD will be used for WTP wherein the rejects of 40 KLD will be used for Process water requirement and permeate of 60 KLD shall be used for boiler makeup water requirement. 35 KLD of freshwater shall be used for domestic requirements, 33 KLD for cooling tower, 30 KLD for Process/ Washing and 37 KLD for gardening purposes. Treated water from STP of about 33KLD shall also be used in gardening purpose i.e. total 70 KLD for gardening and green area maintenance. Process water of about 39 KLD shall be consumed in the production of byproducts like Potassium Chloride, Sodium sulphite, Alum and Spent acid. The total trade effluent from the production activities shall increase from 49.61 KLD to 53 KLD which shall be treated in ETP. Sewage water from domestic activities of about 35 KLD shall be sent to the STP. 53 KLD trade effluent shall be treated in effluent treatment plant of capacity 100 KLD comprising of neutralization, evaporation, biological treatment, filtration, RO plant to achieve 100% treated water reuse in process.
12. The Power requirement shall increase from 1760 kVA to 2200 kVA which will be sourced from Uttar Haryana Bijli Vitran Nigam Limited (UHBVNL). DG sets complying to CPCB IV+ shall be installed 3no.s x 750 kVA with acoustic enclosures in place of 1x 1250 kVA

and 1x275 kVA in compliance with rules in NCR region, these shall be operated only as standby during power failure with stack height of 30 m.

13. Details of Process Emissions Generation and their Management:

Emission from Utilities							
Stack No.	Existing	Proposed	After Proposed product mix change	APCS (With media applicable)	Stack geometry and fuel Gas characteristics		
					Height of Stack (m)	Stack Dia (m)	Pollutant and its emissions standard
1	Boiler 8 TPH & 5 TPH	0	Boiler 8 TPH & 5 TPH	Multi-Cyclone Separator with ESP	30	1.0	PM- 150 mg/Nm ³ SO ₂ - 100 mg/Nm ³ NO _x - 50 mg/Nm ³
					30	0.75	
2	TFH (2 x 2 Lac KCal/Hr and 1 x 6 Lac Kcal/hr)	0	TFH (2 x 2 Lac KCal/Hr and 1 x 6 Lac Kcal/hr)	Bag Filter	30	0.75	PM- 150 mg/Nm ³ SO ₂ - 100 mg/Nm ³ NO _x - 50 mg/Nm ³
3	DG Set- 1x 1250,kVA 1x 275 kVA	3 x 750 kVA (CPCB IV+)	3 x 750 kVA (old shall be discarded)	-	30	1.0	PM- 150 mg/Nm ³ SO ₂ - 100 mg/Nm ³ NO _x - 50 mg/Nm ³

Note- Biomass / LPG shall be used as a fuel in the Boiler and TFH.

Stack Name	Stack Attached to	Diameter (cm)	Height of stack from ground (m)	Velocity (m/s)	Type of Emission	APCS (with media if applicable)	Specifications
Process Vent – I	MPB product	6.3	17	1.73	HCl	HCl Scrubber	Scrubber I- Two stage water packed bed absorption tower followed by caustic venturi scrubber.
Process Vent – II	MPB product	6.3	17	2.6	HBr	HBr Scrubber	

Process Vent - III	Fenvalarate	6.3	17	1.69	Cl ₂	Cl ₂ Scrubber	Scrubber II - Two stage water packed bed absorption tower followed by caustic venturi scrubber
Process Vent - IV	Lamda Cyalo.	6.3	17	3.03	SO ₂	SO ₂ Scrubber	Scrubber III - Two stage bed absorption tower (HCl and Water) followed by caustic venturi scrubber

14. Details of Solid Waste/Hazardous Waste Generation and its Management.

Category	Type of Waste	Unit	Existing	Proposed	Total after expansion	Disposal / Management
Biodegradable	Organic Waste	TPA	15.00	832.00	847.00	Will be sent to authorized vendor/ onsite composting
Non-Biodegradable	Recyclable Waste (paper, wood, glass, Office paper waste ,etc)	TPA	10.00	555.00	565.00	Will be sent to approved recyclers
	Total	TPA	25.00	1387	1412.00	

Hazardous Waste

S.No.	Waste	Category (as per HWM Rules,2016)	Unit	(Existing)	(Proposed)	(Total After PMC in TPA)	Disposal
				Quantity of generation	Quantity of generation	Quantity of generation	

1	Sludge containing calcium sulfate sodium chloride, Lime sodium sulphite, and Potassium chloride etc	35.3	TP A	1,630.00	+63.9	1,693.9	CHWTSDF
2	ATFD sludge from ETP + Sodium Sulphite Bi product	35.3	TP A	448.86	+308.71	757.57	CHWTSDF
3	ATFD sludge from ETP + Potassium Chloride Bi product	35.3	TP A	1437.6	-444.1	993.50	CHWTSDF
4	Process Waste or residue (Mainly polymerized organic chemical	29.1	TP A	523.00	-2	521.00	CHWTSDF
5	Date-expired and off-specification pesticides	29.3	TP A	0	10	10	CHWTSDF/Copro cess site
6	Spent solvents	29.4	TP A	0	100	100	CHWTSDF
7	Spent catalysts	29.5	TP A	0	20	20	Sell to Authorised recycler
8	Spent acids	29.6	TP A	0	330	330	Sale as By- Product/

							CHWTSDF
9	Cotton contaminated with organic chemical	33.2	TP A	2.00	0	2.00	CHWTSDF
10	Activated Carbon	36.2	TP A	3.00	0.00	3.00	CHWTSDF
11	Used Oil	5.1	TP A	2.50	0.00	2.50	Recycler
12	HPDE and Ms drums	33.1	TP A	220.00	0.5	220.5	Recycler
13	Inert Insulation Material	29.1	TP A	4.00	0.2	4.20	CHWTSDF

Non Hazardous Waste (Process)

Type of waste	Unit	Existing	Proposed	Total after expansion	Treatment / Disposal
Boiler Ash	MT/year	500	700	1200	CHWTSDF

15. The Budget earmarked towards the Environmental Management Plan (EMP) is Rs. **12.77 Crores (Capital)** and recurring cost Rs. **9.78 Crore per annum** towards Environment Management plan. Industry will propose **Rs. 50 Lakhs** towards CER cost after expansion for school renovation, park development within the next 5 years.

16. Green belt/greenery has been developed over an area of 16068.65 m² (36.10%) which will remain unchanged under this proposal. A total No. of 6233 trees comprising of *Eucalyptus Hybrida*, *Holoptelea integrifolia*, *Azadirachta indica*, *Ficus religiosa*, *Ficus benghalensis* etc. has been already developed. This green area also complies with the requirement of minimum 2500 tree/ ha of green area.

17. The PP proposed to set up an Environment Management Cell (EMC) to engage Director-VP operations- Environment cell- Health and safety cell- Mnager EHS- dy. Manager EHS- Supervisor- Helper- Medical officer- safety officer- supervisor- Helper for the functioning of EMC.

18. The PP reported that the Public Hearing is exempted as per OM F. No-IA3-22/10/2022-IA-III [E 177258] dated 11th April 2022, as the proposed expansion is under 7(ii)a clause.

19. The PP reported that the Carbon footprint (Climate Change Potential) is the single biggest contributor to the Total Impact associated with the project, and hence it needs to be reduced to reach the optimised scenario. During the peak operations, the total CO₂ emissions will be 5094 MT eq. CO₂/annum which is equivalent to 1.20 MT CO₂ eq / MT Production. Through

development of a green belt having 5000 trees, there will be natural sequestration of CO₂ emissions which leads to savings of 10,138 2 MT eq. CO₂ /annum.

20. The PP submitted the Onsite and Offsite disaster management plan in their EIA report.
21. The estimated project cost is **Rs.50 Crores** and the estimated project cost after expansion is **INR 52 Crores** and the proposed expansion shall not require additional investment because this is only a change in product mix cum expansion without change in any plant and machinery etc. After expansion 145 additional manpower shall be employed across the different skill sets, hence after the change in product mix the total no of manpower is expected to be **650 Nos.**

22. Deliberations by the EAC

The EAC, constituted under the provisions of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with the EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

The EAC noted that the Project Proponent has given an undertaking with the effect that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

It was informed to the EAC that the para 7(ii) of the EIA Notification, 2006, inter-alia, mentions that *all applications seeking prior environmental clearance for expansion with increase in the production capacity beyond the capacity for which prior environmental clearance has been granted under this notification or with increase in either lease area or production capacity in the case of mining projects or for the modernisation of an existing unit with increase in the total production capacity beyond the threshold limit prescribed in the Schedule to this notification through change in process and or technology or involving a change in the product –mix shall be made in Form I and they shall be considered by the concerned Expert Appraisal Committee or State Level Expert Appraisal Committee within sixty days, who will decide on the due diligence necessary including preparation of Environment Impact Assessment and public consultations and the application shall be appraised accordingly for grant of environmental clearance.*

The EAC deliberated on the proposal of PP and accepted the request to consider the proposal under para 7 (ii) of the EIA Notification, 2006 under change of product mix as the capacity remains unchanged for proposed product and reduces for by-product and there is no requirement for obtaining fresh TOR etc. The project proponent has prepared the Environmental Impact Assessment Report for the proposed change of product mix. The

Committee deliberated on the report and the pollution mitigation measures considered for the proposed project.

The EAC inter-alia, deliberated on the Greenbelt development plan, Certified compliance report and its action taken report and EAC found these to be satisfactory.

The EAC deliberated the Onsite and Offsite Emergency plans and various mitigation measures to be proposed during 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, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

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 Expert Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

The EAC is of the view that recommendation of EAC and grant of environmental clearance by 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 project proponent 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.

23. The EAC, after detailed deliberations, **recommended the project for the grant of environmental clearance, subject to the compliance of the terms and conditions as under, and general terms and conditions in Annexure-I: -**

- i) The PP shall maintain greenbelt over an area of at least 16068.65 m² (36.10%). The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP should 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 1st July of every year for the activities carried out during previous year.
- ii) 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. PP shall engage VP operations- Environment cell- Health and safety cell- Mnager EHS- dy. Manager EHS- Supervisor- Helper- Medical officer- safety officer-supervisor. 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. 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 previous year.

- iii) 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 is ₹ 12.77 Crores (Capital cost) and ₹ 9.78 Cr per annum (Recurring cost) shall be kept in 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 previous year.
- iv) The total water requirement shall not exceed 318 KLD, out of which, 235 KLD shall be freshwater requirement and 83 KLD shall be treated water requirement (50 KLD from ETP & 33 KLD from STP). The PP shall ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawn only after obtaining requisite permission from Concerned Authority. The PP shall submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year.
- v) Biomass / LPG shall be used as a fuel in the Boiler and TFH.
- vi) The total trade effluent from the production activities shall increase from 49.61 KLD to 53 KLD which shall be treated in ETP. 53 KLD trade effluent shall be treated in effluent treatment plant of capacity 100 KLD comprising of neutralization, evaporation, biological treatment, filtration, RO plant to achieve 100% treated water reuse in process. Sewage of about 35 KLD shall be sent to the STP and treated water from STP of about 33KLD shall be used for gardening.
- vii) No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.
- viii) The project proponent 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.
- ix) The project proponent shall comply with the environment norms for 'synthetic organic chemicals' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21st July, 2010 under the provisions of the Environment (Protection) Rules, 1986.

- x) All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent 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.
- xi) 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.
- xii) 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.
- xiii) 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.
- xiv) 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.
- xv) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
- xvi) The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- xvii) 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.

Agenda No.64.3

Manufacturing of technical grade pesticides in existing premises (Non EC- chemicals unit) with the production capacity of 10500 MTPA located at Khasra No.

Annexure-III

List of the Expert Appraisal Committee (Industry-3) members participated during Video Conferencing (VC) meeting

S. No.	Name of Member	Designation
1.	Prof. (Dr.) A.B. Pandit Vice Chancellor, Institute of Chemical Technology, Mumbai, Sir JC Bose Fellow, Government of India Email: ab.pandit@ictmumbai.edu.in	Chairman
2.	Prof. (Dr.) S. N. Upadhyay Research Professor (Hon.), Department of Chemical Engineering & Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi E-mail: snupadhyay.che@iitbhu.ac.in	Member
3.	Dr. Ashok Kumar Saxena, IFS Bungalow No. 38, Sector-8A, Gandhinagar, Gujarat – 382008 E-mail: ashoksaxena1159@gmail.com	Member
4.	Dr. Suresh Panwar House No.4, Gayateri Green Society, NH 58 Bypass, Kankerhera, Meerut, Uttar Pradesh Email: speppri@gmail.com	Member
5.	Shri Tukaram M Karne "SHREYAS ORNATE" F-1, 95-Tulasibagwale Colony, Sahakarnagar-2, PUNE: 411 009, Maharashtra E-mail: tmkarne@gmail.com	Member
6.	Shri Dinabandhu Gouda Additional Director, DH IPC-1, Room No. 309A, Third Floor, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 110032 E-mail: dinabandhu.epcb@nic.in	Member
7.	Shri Sanjay Bisht Scientist 'E', Room No. 517, Office of the Director General of Meteorology, Indian Meteorological Department, Musam Bhawan, Lodhi Road, New Delhi -110003 E-mail: sanjay.bist@imd.gov.in	Member

8.	<p>Dr. M. Ramesh Scientist 'E' Ministry of Environment, Forest and Climate Change Indira Paryavaran Bhawan, Room No. V-203, Vayu Wing, Jor Bagh Road, New Delhi-110003 Tel. 011-20819338 E-mail: ramesh.motipalli@nic.in</p>	Member Secretary
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ANNEXURE- II
COPY OF CONSENT TO ESTABLISH



HARYANA STATE POLLUTION CONTROL BOARD



**HSPCB Regional Office, Haryana State Pollution Control Board
Rohtak, SCO No. A-6, A-7 and A-8, First Floor, Sector-
36, Suncity Commercial Complex, Rohtak-124001".Email:-
hspcbroroh@gmail.com**

Website: www.hrocmms.nic.in E-Mail - hspcbho@gmail.com

Telephone No.: 0172-2577870-73

No. HSPCB/Consent/ : 313100924ROHCTE51461582

Dated:05/02/2024

To.

**M/s : BHARAT RASAYAN LIMITED
2KM STONE, MADINA MOKHRA ROAD, VILLAGE MOKHRA,
ROHTAK
124022**

Sub. : Grant of consent to Establish to M/s BHARAT RASAYAN LIMITED

Please refer to your application no. 51461582 received on dated 2023-12-27 in regional office Rohtak.

With reference to your above application for consent to establish, M/s BHARAT RASAYAN LIMITED is here by granted consent as per following specification/Terms and conditions.

Consent Under	AIR/WATER
Period of consent	05/02/2024 - 04/02/2029
Industry Type	Pesticides (technical) (excluding formulation)
Category	RED
Investment(In Lakh)	5602.7212
Total Land Area (Sq. meter)	44517.0
Total Builtup Area (Sq. meter)	16893.0
Quantity of effluent	
1. Trade	53.0 KL/Day
2. Domestic	35.0 KL/Day
Number of outlets	2.0
Mode of discharge	
1. Domestic	Gardening
2. Trade	reuse
Permissible Domestic Effluent Parameters	
1. BOD	10 mg/l
2. COD	50 mg/l
3. TSS	20 mg/l
4. fecal coliform	100 less than
Permissible Trade Effluent Parameters	

1. BOD	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l
4. OG	10
Number of stacks	2
Height of stack	
1. BOILER LPG 5TH AND TFH 6KCAL ONE AND 2KCAL TWO	30 Metre
2 . B O I L E R (BIOMASS) 8 TPH	30 Metre
Permissible Emission parameters	
1. NOX	50 mg/m ³
2. SOX	50 mg/m ³
3. SPM	80 mg/m ³
Capacity of boiler	
1. Boiler	8 Ton/hr
2. Boiler	5 Ton/hr
3. Thermopack	6 Kcalores/hr
4. Thermopack	2 Kcalores/hr
Type of Furnace	
1. NA	0 -
Type of Fuel	
1. Diesel	300 KL/day

Regional Officer, Rohtak
Haryana State Pollution Control Board.

Terms and conditions

1. The industry has declared that the quantity of effluent shall be 88 KL/Day i.e 53KL/Day for Trade Effluent, 0 KL/Day for Cooling, 35 KL/Day for Domestic and the same should not exceed .
2. The above 'Consent to Establish' is valid for 60 months from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.
3. The officer/official of the Board shall have the right to access and inspection of the industry in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery. The effluent should conform the effluent standards as applicable
4. That necessary arrangement shall be made by the industry for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.
5. The applicant will obtain consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of Pollution) Act,1981 as amended to-date-even before starting trial production

6. The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.
7. No in-process or post-process objectionable emission or the effluent will be allowed, if the scheme furnished by the unit turns out to be defective in any actual experience
8. The Electricity Department will give only temporary connection and permanent connection to the unit will be given after verifying the consent granted by the Board, both under Water Act and Air Act.
9. Unit will raise the stack height of DG Set/Boiler as per Board's norms.
10. Unit will maintain proper logbook of Water meter/sub meter before/after commissioning.
11. That in the case of an industry or any other process the activity is located in an area approved and that in case the activity is sited in an residential or institutional or commercial or agricultural area, the necessary permission for siting such industry and process in an residential or institutional or commercial or agricultural area or controlled area under Town and Country Planning laws CLU or Municipal laws has to be obtained from the competent Authority in law permitting this deviation and be submitted in original with the request for consent to operate.
12. That there is no discharge directly or indirectly from the unit or the process into any interstate river or Yamuna River or River Ghaggar.
13. That the industry or the unit concerned is not sited within any prohibited distances according to the Environmental Laws and Rules, Notification, Orders and Policies of Central Pollution control Board and Haryana State Pollution Control Board.
14. That of the unit is discharging its sewage or trade effluent into the public sewer meant to receive trade effluent from industries etc. then the permission of the Competent Authority owing and operating such public sewer giving permission letter to his unit shall be submitted at time of consent to operate.
15. That if at any time, there is adverse report from any adjoining neighbor or any other aggrieved party or Municipal Committee or Zila Parishad or any other public body against the unit's pollution; the Consent to Establish so granted shall be revoked.
16. That all the financial dues required under the rules and policies of the Board have been deposited in full by the unit for this Consent to Establish.
17. In case of change of name from previous Consent to Establish granted, fresh Consent to Establish fee shall be levied.
18. Industry should adopt water conservation measures to ensure minimum consumption of water in their Process. Ground water based proposals of new industries should get clearance from Central Ground Water Authority for scientific development of previous resource.
19. That the unit will take all other clearances from concerned agencies, whenever required.
20. That the unit will not change its process without the prior permission of the Board.
21. That the Consent to Establish so granted will be invalid, if the unit falls in Aravali Area or non conforming area.
22. That the unit will comply with the Hazardous Waste Management Rules and will also make the non-leachate pit for storage of Hazardous waste and will undertake not to dispose off the same except for pit in their own premises or with the authorized disposal authority.

23. That the unit will submit an undertaking that it will comply with all the specific and general conditions as imposed in the above Consent to Establish within 30 days failing which Consent to Establish will be revoked.
24. That unit will obtain EIA from MoEF, if required at any stage.
25. In case of unit does not comply with the above conditions within the stipulated period, Consent to Establish will be revoked.
26. That unit will obtain consent to operate from the board before the start of product activity.

Specific Conditions

Other Conditions :

1. Unit will comply the conditions mentioned in the letter dated 25-10-2019 of CPCB regarding mechanism for Environmental management in compliance of Hon'ble NGT order dated 23-08-2019 in the matter of O.A. No. 1038/2018. 2. The unit will follow the guidelines/norms issued from time to time by SPCB/CPCB/NGT/EPCA/CAQM.

DINESH KUMAR
Digitally signed by
DINESH KUMAR
Date: 2024.02.05
15:53:45 +05'30'

Regional Officer, Rohtak

Haryana State Pollution Control Board.



ANNEXURE – III
COPY OF CONSENT TO OPERATE



HARYANA STATE POLLUTION CONTROL BOARD



**Regional Office, Haryana State Pollution Control Board Rohtak, SCO No. A-6, A-7 and A-8, First Floor, Sector- 36, Suncity Commercial Complex, Rohtak-124001".Email:- hspcbroroh@gmail.com
E-mail: hspcb@hry.nic.in**

No. HSPCB/Consent/ : 313100924ROHCTO48518049

Dated:22/02/2024

To.

M/s :BHARAT RASAYAN LIMITED
2KM STONE, MADINA MOKHRA ROAD, VILLAGE MOKHRA,

Subject: Grant of consent to operate to M/s BHARAT RASAYAN LIMITED.

Please refer to your application no. 48518049 received on dated 2024-02-09 in regional office Rohtak. With reference to your above application for consent to operate, M/s BHARAT RASAYAN LIMITED is here by granted consent as per following specification/Terms and conditions.

Consent Under	BOTH
Period of consent	22/02/2024 - 30/09/2025
Industry Type	Pesticides (technical) (excluding formulation)
Category	RED
Investment(In Lakh)	5602.7212
Total Land Area(Sq. meter)	44517.0
Total Builtup Area(Sq. meter)	16893.0
Quantity of effluent	
1. Trade	53.0 KL/Day
2. Domestic	35.0 KL/Day
Number of outlets	2.0
Mode of discharge	
1. Domestic	Gardening/horticulture/flushing
2. Trade	recycle/reuse in cooling tower/scrubber/process
Domestic Effluent Parameters	
1. BOD	10 mg/l
2. COD	50 mg/l
3. TSS	20 mg/l
4. Oil & Grease	10 mg/l
5. faecal coliform	100 less than
6. pH	5.5 to 9.0
Trade Effluent Parameters	
1. BOD	30 mg/l
2. COD	250 mg/l

3. TSS	100 mg/l
4. Oil & Grease	10 mg/l
5. pH	5.5-9.0
Number of stacks	7
Height of stack	
1. Boiler 8 Ton	30 Meters
2. Boiler 5 Ton and 1 Nos TFH 6 LKCAL and 2 Nos TFH 2 LKCal	30 Meters
3. DG Sets 3 Nos 750 KVA Each	30 Meters
4. Process Vent 1 Product MPB for HCl	17 Meters
5. Process Vent 2 Product MPB for HBr	17 Meters
6. Process Vent 3 Product Fenvalerate Tech for CL2	17 Meters
7. Process Vent 4 Product Lambda Cyhalothrin Tech for SO2	17 Meters
Emission parameters	
1. SPM	80 mg/m3
2. SOX	50 mg/m3
3. NOX	50 mg/m3
Product Details	
1. Alphacypermethrin Technical	0.0606 Metric Tonnes/day
2. Bifenthrin Technical	1.6667 Metric Tonnes/day
3. Cypermethrin Technical	0.0606 Metric Tonnes/day
4. Fenvalerate Technical	1.5152 Metric Tonnes/day
5. Fipronil Technical	0.1515 Metric Tonnes/day
6. Lambda Cyhalothrin Technical	1.6667 Metric Tonnes/day
7. Permethrin Technical	0.0606 Metric Tonnes/day
8. Methaphenoxy Benzaldehyde	3.9394 Metric Tonnes/day
9. Parachlorophenyl Isopropyl Acetic acid	0.6061 Metric Tonnes/day
10. Parachlor Benzyl Cyanide	0.3030 Metric Tonnes/day
11. Fluxametamide	0.3030 Metric Tonnes/day
12. Quinoxifen Technical	0.3030 Metric Tonnes/day
13. AMBAD	0.3030 Metric Tonnes/day
14. Metabromo Benzaldehyde	0.0606 Metric Tonnes/day
15. DECAP	0.4545 Metric Tonnes/day

16. Parachlorophenyl Acetic acid	1.0303 Metric Tonnes/day
17. Meta phenoxy Banzal Acetal	0.3939 Metric Tonnes/day
18. Pilot Plant	0.0303 Metric Tonnes/day
19. Pesticide Formulation EC, WP, SL etc.	12.000 Metric Tonnes/day
20. Biopesiticide Formulation	3.2000 Metric Tonnes/day
21. Alum Solution - By Product	27.389 Metric Tonnes/day
22. Potassium Chloride - By Product	13.834 Metric Tonnes/day
23. Spent Acid - By Product	3.595 Metric Tonnes/day
24. Hydrochloric Acid 28 Per - By Product	6.604 Metric Tonnes/day
25. Sodium Sulphite - By Product	6.973 Metric Tonnes/day
26. Potassium Bromide Solution - By Product	10.135 Metric Tonnes/day
27. Sodium Bromide Solution - By Product	2.462 Metric Tonnes/day
Capacity of boiler	
1. Boiler 5 Ton LPG	5 Ton/hr
2. Boiler 8 Ton Biomass	8 Ton/hr
3. 1 no. Thermopack Biomass (6 Lakh Kcal/hr.)	600000 Kcalores/hr
4. 2 no. Thermopack LPG (2 Lakh Kcal/hr.)	200000 Kcalores/hr
Type of Furnace	
1. NA	0
Type of Fuel	
1. Diesel	0.9 KL/day
2. Biomass	45 Ton/day
3. LPG	6 Ton/Day
Raw Material Details	
3,4 dichloroaniline	0.2527 Metric Tonnes/Day
5 amino 3cyno 1(2,6 dichloro 4 trifluoro methyl pehny) 1H Pyrazole	0.141 Metric Tonnes/Day
Ammonia (Ssolution 20 Per)	0.0045 Metric Tonnes/Day
Bifenthrin Alcohol	0.85 Metric Tonnes/Day
Bromine	0.506 Metric Tonnes/Day
Cypermethrin acid chloride	0.072 Metric Tonnes/Day
Cuprous chloride	0.013 Metric Tonnes/Day

Methanol	0.057 Metric Tonnes/Day
Acetic Acid	0.283 Metric Tonnes/Day
Benzaldehyde	3.05 Metric Tonnes/Day
Azobis Isobutyronitrile	0.011 Metric Tonnes/Day
Lambda Powder (seeding)	0.033 Metric Tonnes/Day
4 dimethyl amino Pyridine	0.013 Metric Tonnes/Day
Caustic Soda Flakes	0.695 Metric Tonnes/Day
Aluminium Chloride	5.55 Metric Tonnes/Day
Caustic Lye (47 Per)	4.027 Metric Tonnes/Day
Chlorine	3.73 Metric Tonnes/Day
Dimethyl Formamide (DMF)	0.015 Metric Tonnes/Day
Ethylene Dichloride (EDC)	0.431 Metric Tonnes/Day
Hexane	0.278 Metric Tonnes/Day
Hydrochloric Acid (30 Per)	4.94 Metric Tonnes/Day
Lambda cyhalothric Acid	1.042 Metric Tonnes/Day
Isopropyl Alcohol	0.077 Metric Tonnes/Day
Isopropyl Bromide	0.899 Metric Tonnes/Day
Metaphenoxy Benzaldehyde	1.605 Metric Tonnes/Day
Metaphenoxy Benzalcohol	0.032 Metric Tonnes/Day
Monoethyl glycol	0.213 Metric Tonnes/Day
Parachloro Toulene	2.32 Metric Tonnes/Day
Paratolune sulphonic Acid (PTSA)	0.0067 Metric Tonnes/Day
Phenol	2.352 Metric Tonnes/Day
Potassium Hydroxide (KOH)	1.813 Metric Tonnes/Day
Sulphuric acid (70 Per) wash	0.076 Metric Tonnes/Day
Thionyl chloride	1.212 Metric Tonnes/Day
Soad Ash	0.589 Metric Tonnes/Day
Sodium bicarbonate (NaHCO3)	0.038 Metric Tonnes/Day
Sodium hypochlorite	0.735 Metric Tonnes/Day
Sulphuric Acid	3.434 Metric Tonnes/Day
Triethylamine (TEA)	0.045 Metric Tonnes/Day
Lambda cyhalothric acid chloride	1.15 Metric Tonnes/Day
Hydroxyl amine hydrochloride	0.065 Metric Tonnes/Day
N,N dimethyl formamide dimethyl acetal	0.119 Metric Tonnes/Day

2 Fluorotoluene	0.41 Metric Tonnes/Day
Sodium nitrite	0.275 Metric Tonnes/Day
Diethyl ethoxymethylene melonate	0.356 Metric Tonnes/Day
Tetrabutyl ammonium bromide	0.196 Metric Tonnes/Day
Sodium sulphite	0.03 Metric Tonnes/Day
Cyclohexane, Butanol, Epichlorohydrin, xylene (For Formulation)	1.00 Metric Tonnes/Day
Sodium Thiosulfate	0.0598 Metric Tonnes/Day
Sodium Cyanide	1.423 Metric Tonnes/Day
Di isopropyl amine	0.017 Metric Tonnes/Day
Toluene	0.487 Metric Tonnes/Day
Cypermethrin Technical	0.065 Metric Tonnes/Day
Triethyl benzyl Ammonium Chloride	0.028 Metric Tonnes/Day
Hydrogen peroxide 50 (Per)	0.49 Metric Tonnes/Day
Dimethyl sulfoxide	0.025 Metric Tonnes/Day
1 (3,5 dichlorophenyl) 2,2,2 trifluoroethane 1 one (DCAP)	0.197 Metric Tonnes/Day
4 Acetyl 2 methyl benzamide (AMBD)	0.14 Metric Tonnes/Day
Tetrabutyl ammonium hydroxide	0.006 Metric Tonnes/Day
1,1,3,3 Tetramethyl guanidine	0.134 Metric Tonnes/Day
1,8 diazabicyclo (5,4,0) undec 7 ene	0.041 Metric Tonnes/Day
Methoxy amine hydrochloride	0.083 Metric Tonnes/Day
Acetyl chloride	0.292 Metric Tonnes/Day
1,1 Ethanediol,1 (2 amino,5 chlorophenyl) 2 , 2 , 2 trifluorohydrochloride	0.595 Metric Tonnes/Day
Sulfuryl chloride	0.348 Metric Tonnes/Day
Hypophosphorous Acid (50 Per)	0.727 Metric Tonnes/Day
Tetraglyme	0.055 Metric Tonnes/Day
Sulpholane	0.061 Metric Tonnes/Day
4 Fluoro phenol	0.121 Metric Tonnes/Day
EMULSIFIER (For Formulation)	1.10 Metric Tonnes/Day
C 9 (Solvent) (For Formulation)	10.00 Metric Tonnes/Day
Trimethyl amine hydrochloride	0.029 Metric Tonnes/Day

Trifluoromethane sulfinyl chloride	0.0745 Metric Tonnes/Day
Formic Acid	0.107 Metric Tonnes/Day

*Regional Officer, Rohtak
Haryana State Pollution Control Board.*

Terms and conditions

1. The applicants shall maintain good house keeping both within factory and in the premises. All hose pipelines valves, storage tanks etc. shall be leak proof. In plant allowable pollutants levels, if specified by State Board should be met strictly.
2. The applicant/company shall comply with and carry out directive/orders issued by the Board in this consent order at all subsequent times without negligence of his /its part. The applicant/company shall be liable for such legal action against him as per provision of the law/act in case of violation of any order/directives. Issued at any time and or non compliance of the terms and conditions of his consent order.
3. The applicant shall make an application for grant of consent at least 90 days before the date of expiry of this consent.
4. Necessary fee as prescribed for obtaining renewal consent shall be paid by the applicant alongwith the consent application.
5. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above required variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard vary all or such condition and there upon the applicant shall be bound to comply with the conditions so varied.
6. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any pollutants gas/liquids from the vessels, mechanical equipment etc. which are likely to cause environment pollution.
7. The industry shall comply noise pollution (Regulation and control) Rules, 2000.
8. The industry shall comply all the direction/Rules/Instructions as may be issued by the MOEF/CPCB/HSPCB from time to time.
9. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.
10. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent. In case of change of process at any stage during the consent period, the industry shall submit fresh consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc.
11. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.
12. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.

13. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.
14. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.
15. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.
16. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

Specific Conditions :

1. The unit will comply the conditions mentioned in letter dated 25-10-2019 of CPCB regarding mechanism for Environmental management in compliance of Hon'ble NGT order dt. 23-08-2019 in the matter of O.A. No. 1038/2018.
2. The unit will comply with the Directions dt. 27-11-2020 issued by CPCB regarding to allow only those new industrial units in NCR-Delhi, which are using cleaner fuels, namely, natural gas(PNG/CNG), liquefied petroleum gas, bio-gas, propane, butane etc.
3. The unit will obtain EC as per policy as and when applicable.
4. The unit will use treated effluent only in reuse or horticulture & will obtain CTE expansion if unit will increase effluent quantity.
6. The unit will follow all the guidelines/norms issued from time to time by SPCB/CPCB/NGT/EPCA/CAQM.

HARYANA STATE

*Regional Officer, Rohtak
Haryana State Pollution Control Board.*



ANNEXURE – IV
COPY OF WORKERS HEALTH SURVEILLANCE

1. General Examination

- (a) Height — 180cm
- (b) Weight 81kg
- (c) Pulse rate — 72/min
- (d) Blood pressure — 124/80
- (e) Respiration — 18/min
- (f) Anemia/Pallor]
- (g) Oedema] -NO
- (h) Jaundice]
- (i) Skin condition] -Normal
- (j) Temperature]
- (k) Fatigability — NO
- (l) Sweating]
- (m) Sleep] -Normal
- (n) Urination]

1. Gastro Intestinal

- (a) Nausea] -NO
- (b) Vomiting]
- (c) Appetite] -Normal
- (d) Taste]
- (e) Pain in abdomen — NO
- (f) Bowel movement — Normal
- (g) Liver]
- (h) Spleen] -Not Palpable

2. Cardio-respiratory

- (a) Nasal Discharge]
- (b) Wheeze]
- (c) Cough] -NO
- (d) Expectoration]
- (e) Tightness of chest]
- (f) Dyspnoea] -NO
- (g) Palpitation]
- (h) Heart — S₁S₂ Normal
- (i) Cyanosis]
- (j) Tachycardia/Bradycardia] -NO

3. Neuro-muscular

- (a) Headache]
- (b) Dizziness]
- (c) Irritability]
- (d) Twitching] -NO
- (e) Tremors]
- (f) Convulsions]
- (g) Paraneesthesia]
- (h) Hallucinations] -NO
- (i) Unconsciousness]
- (j) Superficial reflexes] -Normal
- (k) Deep reflexes]
- (l) Coordination]

4. Eye

- (a) Pupil
- (b) Lachrymation] - Normal
- (c) Double vision] - NO
- (d) Blurred vision] - NO

5. Psychological

- (a) Temperament] - Normal
- (b) Judgment] - Normal
- (c) Nervousness - NO

6. Kidney

Kidney Condition - Normal

7. Investigation

- (a) Complete Haemogram: (Hb, TRBC, TLC, DLC, Platelet, Reticulocytes count, ESR)
- (b) Liver Function Tests: (Serum Bilirubin, SAP, SGOT, SGPT, Cholesterol, Total Protein and serum albumin)
- (c) Kidney Function Tests: (Blood urea, Serum creatinine)
- (d) Blood sugar, HbA1C
- (e) * Serum cholinesterase
- (f) ** Blood residue estimation (In case of Organochlorine once in a year)
- (g) Urine- routine & microscopic
- (h) X-ray chest (PA View): Once every year
- (i) Ultrasound whole abdomen: Once every year
- Serum cholinesterase level should be measured in monthly intervals in case of organophosphorus/carbamate group of insecticides, General remarks of the doctor in the light of the above examination.

** In organochlorine group of insecticides the blood residue estimation should be done once a year.

II. DIAGNOSIS

III. ADVICE GIVEN TO

- 1. The employee
- 2. The employer:

Signature of the Doctor

With Date and Seal

IV. Acknowledgement to be given by

- 1. The employee
- 2. The employer:
- 3. The Licensing Officer:

DR. K.N. GARG
MBBS MD (Medicine)
Regd. No. IN 248
Approach Road, Rohtak

V. Action taken by the employer on Doctor's advice:

VI. Certificate by the Doctor:

Certified that M/s. have completed the action as per my/doctor's advice as given above and consequently the patient has shown improvement/recovered from the ailment.

Signature of the Doctor

EMP. CODE No 366

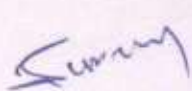
FORM NO.17
(See Rule 102)


CERTIFICATE OF FITNESS

Serial No 49

Dated: ...28.12.24.....

I hereby certify that I have personally examined SURESH KUMAR S/o
SH.RAMSWAROOP residing at C/O OM PRAKASH DANGI, MOKHRA
MOR, VILL - MADINA, DISTT. - ROHTAK who is desirous of being employed
as "SR.PRODUCTION SUPERVISOR" in the M/s. Bharat Rasayan Limited
and that his age, nearly as can be ascertained from my examination is 34 Years
and that he is in my opinion fit for employment in M/s. Bharat Rasayan Limited.
His descriptive marks are: MOLE ON BEHIND OF RT EAR


Signature or Left-hand thumb-
Impression of person employed.


Signature of Medical Officer

DR. R.N. SINGH
MBBS MD (Medicine)
Road. No. HN 248
Approach Road, Rohtak



NARULA

DIAGNOSTIC CENTRE LLP



NABL MC-4438

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Chief Consultant Pathologist
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नरुला
डायग्नोस्टिक सेंटर लल

Opp. HUDA Complex, Civil Road, Rohtak. Tel. : 01262-255250, 255251 Mob. : 9896344314, 9053555557, 9992888047

UHID/Lab/IPDNo. 012412160264

Name Mr.SURESH KUMAR 366

Reg. Date 16/Dec/2024 06:35PM

Barcode 01160264

Rep. Date 17/Dec/2024 06:53PM

Age / Gender 34 YRS/MALE

Ref. Dr. Dr. Bharat Rasayan Limited

Sample Rec. dt 17/Dec/2024 09:22AM

Test Name	Value	Unit	Ref. Range
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HAEMATOLOGY

CBC WB - EDTA

HB(Haemoglobin)	13.9	gm/dL	13.0 - 17.0
METHOD :- Cyanmethemoglobin Optical			
Reticulocyte count	1.0	%	0.5 - 2.5
METHOD :- New methylene Blue Stain/ Manual			
RBC (Red Blood Cell) count	4.61	million/cumm	3.8 - 4.8
METHOD :- Histogram Calculation by Electrical Resistance Detection			
PCV / Haematocrit	41.7	%	40 - 50
METHOD :- Histogram Calculation by Electrical Resistance Detection			
MCV (Mean Corpuscular Volume)	90.5	fL	83 - 101
METHOD :- Automated Calculated			
MCH (Mean Cell Haemoglobin)	30.2	picogram	27.5 - 32.0
METHOD :- Automated Calculated			
MCHC (Mean Cell Haemoglobin Concentration)	33.3	g/dL	31.5 - 34.5
METHOD :- Automated Calculated			

TLC (Total Leucocyte Count)

Leucocytes Count	7.78	10 ³ /uL	4 - 10
METHOD :- Electrical Resistance Detection			

DLC (Differential Leucocyte Count)

Neutrophils	56	%	40 - 80
Lymphocytes	36	%	20 - 40
Monocytes	05	%	2 - 10 %
Eosinophils	03	%	1 - 6
Basophils	00	%	0 - 2 %

Platelet Count

Platelets	329	10 ³ /uL	150 - 410
METHOD :- Histogram Calculation by Electrical Resistance Detection			

Peripheral Blood Smear Examination

Anisocytosis	Nil	Nil
Poikilocytosis	Nil	Nil
RBC Size	Normocytic	



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Age / Gender 34 YRS/MALE

Ref. Dr. Dr. Bharat Rasayan Limited

Sample Rec. dt 17/Dec/2024 09:22AM

Test Name	Value	Unit	Ref. Range
Hypochromasia	NIL		
Polychromasia	Nil		Nil
Normoblasts	Nil		Nil
Impression:-	Normocytic normochromic picture		

INTERPRETATION

Complete Blood Count: - The cell morphology is well preserved for 24 hrs. However after 24 - 48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology.



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UHID/Lab/IPDNo. 012412160264	Rep. Date 19/Dec/2024 11:13AM
Name Mr.SURESH KUMAR 366	Age / Gender 34 YRS/MALE
Reg. Date 16/Dec/2024 06:35PM	Ref. Dr. Dr. Bharat Rasayan Limited
Barcode 01160264	Sample Rec. dt 17/Dec/2024 09:22AM

Test Name	Value	Unit	Ref. Range
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HAEMATOLOGY

ESR (Erythrocyte Sedimentation Rate) ; WB - EDTA

ESR (Erythrocyte Sedimentation Rate) 10 mm/1st hr 0.0 - 15.0

METHOD :- Wintrobe tube

Erythrocyte sedimentation Rate, Blood: - ESR is a non - specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (e.g. corticosteroids, contraceptives). It is especially low 0-1 mm in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as Poikilocytosis, spherocytosis or sickle cells.



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Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

Glucose Random ; Plasma NaF

Blood Glucose Random 84.0 mg/dl 70 - 160
METHOD :- Glucose Oxidase Peroxidase

Total Bilirubin (T & D) ; Serum

Serum Bilirubin Total 0.30 mg/dL 0.2 - 1.3
METHOD :- Azobilirubin/dyphylline

Interpretation

Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. Elevated levels results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease. Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors & Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin.



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Barcode	01160264	Sample Rec. dt	17/Dec/2024 09:22AM

Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

Bilirubin Direct ; Serum

Serum Bilirubin Direct 0.1 mg/dl 0.0 - 0.3
METHOD:- Dual Wavelength Spectrophotometric

Bilirubin Indirect ; Serum

Serum Bilirubin Indirect 0.20 mg/dl 0.0 - 1.1



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Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

SGOT/AST (Aspartate Transaminase) ; Serum

Serum SGOT/AST	33	U/L	17 - 59
----------------	----	-----	---------

METHOD -> Kinetic with Pyridoxal 5 Phosphate

Interpretation

AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia, pancreatitis, hemochromatosis. AST levels may also increase after a heart attack or strenuous activity.

SGPT/ALT (Alanine Transaminase) ; Serum

Serum SGPT/ALT	32	U/L	21 - 52
----------------	----	-----	---------

METHOD -> Kinetic with Pyridoxal 5 Phosphate

Interpretation

ALT test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys, heart, muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health. AST levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

Alkaline Phosphatase (ALP) ; Serum

Serum Alkaline Phosphatase	72	U/L	38 - 126
----------------------------	----	-----	----------

METHOD -> Para nitrophenol phosphate

Interpretation

ALP is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilson's disease.

Blood Urea ; Serum

Blood Urea	26	mg/dl	19 - 43
------------	----	-------	---------

METHOD -> Urease

Interpretation

SERUM BLOOD UREA NITROGEN/BUN

Causes of Increased levels

Pre renal

High protein diet, increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal.

Renal Failure

Post Renal

Malignancy, Nephrolithiasis, Prostatism

Causes of decreased levels

Liver disease, SIADH.

Creatinine ; Serum



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Test Name	Value	Unit	Ref. Range
Serum Creatinine <small>METHOD - Creatine Aminodrolase</small>	0.60	mg/dl	0.66 - 1.25

INTERPRETATION	UNIT	REF RANGE
Male	mg/dL	0.66 - 1.25
Female	mg/dL	0.52 - 1.04

Interpretation

CREATININE

SERUM-Higher than normal level may be due to:

Blockage in the urinary tract, Kidney problems, such as kidney damage or failure, infection, or reduced blood flow, Loss of body fluid (dehydration), Muscle problems, such as breakdown of muscle fibers, Problems during pregnancy, such as seizures (eclampsia), or high blood pressure caused by pregnancy (preeclampsia)

Lower than normal level may be due to:

Myasthenia Gravis, Muscular dystrophy



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Barcode	01160264	Sample Rec. dt	17/Dec/2024 09:22AM

Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY**Total Cholesterol ; Serum**

Total Cholesterol	173	mg/dL	< 200.0
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METHOD :- Enzymatic;

Interpretation	Unit	Ref. Range
Desirable	mg/dL	<200.0
Borderline	mg/dL	200 - 239
High	mg/dL	> 240.0

Interpretation:-

Serum cholesterol is a blood test that can provide valuable information for the risk of coronary artery disease. This test can help determine your risk of the build up of plaques in your arteries that can lead to narrowed or blocked arteries throughout your body (atherosclerosis). High cholesterol levels usually don't cause any signs or symptoms, so a cholesterol test is an important tool. High cholesterol levels often are a significant risk factor for heart disease and important for diagnosis of hyperlipoproteinemia, atherosclerosis, hepatic and thyroid diseases.



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Print Date/Time: 21/12/2024 12:58 PM

Printed By: AKASH

Page 8 of 10

If the result(s) of the test(s) is alarming or unexpected the patient is advised to contact the Laboratory immediately for possible remedial advise. We hold no liability due to failure in medical technology or dangers inherent in carrying out the investigations. Report Not For Medico-Legal Use

Timings : Winter : 9 A.M. To 7 P.M.; Summer : 8 A.M. To 8 P.M.; [Sunday : 8 A.M. To 2 P.M., emergency time will be from 2pm to 6pm]

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Ex. Assistant Professor, PGIMS (Rohtak)
Regn. No. : H.N. 010759

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Opp. HUDA Complex, Civil Road, Rohtak. Tel. : 01262-255250, 255251 Mob. : 9896344314, 9053555557, 9992888047

UHID/Lab/IPDNo. 012412160264	Rep. Date 18/Dec/2024 04:20PM
Name Mr.SURESH KUMAR 366	Age / Gender 34 YRS/MALE
Reg. Date 16/Dec/2024 06:35PM	Ref. Dr. Dr. Bharat Rasayan Limited
Barcode 01160264	Sample Rec. dt 17/Dec/2024 09:22AM

Test Name	Value	Unit	Ref. Range
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CLINICAL PATHOLOGY

Urine routine & microscopic examination

(Automated Strip Test, Microscopy)

Physical examination

Colour	Light Yellow	Pale yellow
Transparency	Clear	Clear
Turbidity/Deposit	Nil	Nil

Chemical examination

pH	6.0	5.0 - 7.5
Reaction (pH)	Acidic	Acidic
Specific gravity	1.010	1.016 - 1.025
Leukocyte	NIL	NIL
Blood	Absent	Absent
Proteins/ Albumin	Nil	Nil
Glucose/ Reducing Substances	NIL	NIL
Bilirubin	Negative	Negative
Urobilinogen	Not increased	Not increased
Ketones	Negative	Negative
Nitrites	Negative	Negative

Microscopic examination

Pus Cells (Leucocytes)	0 - 1	/HPF	0 - 1
RBC	Nil	/HPF	Occasional
About 90% of the RBCs are Eumorphic at the time of Microscopic Examination.			
Epithelial cells	NIL	/HPF	NIL
Casts	Nil	/HPF	Nil
Crystals	Nil	/HPF	Nil
Organism	No Organism Seen		No Organism Seen



Tashi
Dr. (Mrs.) Tashi Narula
M.B.B.S., M.D. (Pathology)
Gold Medalist

1. General Examination

- (a) Height - 172cm
- (b) Weight - 70kg
- (c) Pulse rate - 70/min
- (d) Blood pressure - 130/80
- (e) Respiration - 18/min
- (f) Anemia/Pallor]
- (g) Oedema] -NO
- (h) Jaundice]
- (i) Skin condition] -Normal
- (j) Temperature]
- (k) Fatigability -NO
- (l) Sweating]
- (m) Sleep] -Normal
- (n) Urination]

1. Gastro Intestinal

- (a) Nausea]
- (b) Vomiting] -NO
- (c) Appetite] -Normal
- (d) Taste]
- (e) Pain in abdomen -NO
- (f) Bowel movement -Normal
- (g) Liver] -Not Palpable
- (h) Spleen]

2. Cardio-respiratory

- (a) Nasal Discharge]
- (b) Wheeze]
- (c) Cough] -NO
- (d) Expectoration]
- (e) Tightness of chest]
- (f) Dyspnoea] -NO
- (g) Palpitation]
- (h) Heart - S1S2 Normal
- (i) Cyanosis]
- (j) Tachycardia/Bradycardia] -NO

3. Neuro-muscular

- (a) Headache]
- (b) Dizziness]
- (c) Irritability]
- (d) Twitching] -NO
- (e) Tremors]
- (f) Convulsions]
- (g) Paraneesthesia] -NO
- (h) Hallucinations] -NO
- (i) Unconsciousness] -NO
- (j) Superficial reflexes] -Normal
- (k) Deep reflexes]
- (l) Coordination]

4. Eye

- (a) Pupil] - Normal
- (b) Lachrymation] - Normal
- (c) Double vision] - NO
- (d) Blurred vision] - NO

5. Psychological

- (a) Temperament] - Normal
- (b) Judgment] - Normal
- (c) Nervousness - NO

6. Kidney

Kidney Condition - Normal

7. Investigation

- (a) Complete Haemogram: (Hb, TRBC, TLC, DLC, Platelet, Reticulocytes count, ESR)
- (b) Liver Function Tests: (Serum Bilirubin, SAP, SGOT, SGPT, Cholesterol, Total Protein and serum albumin)
- (c) Kidney Function Tests: (Blood urea, Serum creatinine)
- (d) Blood sugar, HbA1C
- (e) * Serum cholinesterase
- (f) ** Blood residue estimation (In case of Organochlorine once in a year)
- (g) Urine- routine & microscopic
- (h) X-ray chest (PA View): Once every year
- (i) Ultrasound whole abdomen: Once every year
- Serum cholinesterase level should be measured in monthly intervals in case of organophosphorus/carbamatic group of insecticides, General remarks of the doctor in the light of the above examination.

** In organochlorine group of insecticides the blood residue estimation should be done once a year

II. DIAGNOSIS

III. ADVICE GIVEN TO

- 1. The employee
- 2. The employer:

Subscribed

[Signature]
Signature of the Doctor

With Date and Seal

IV. Acknowledgement to be given by

- 1. The employee
- 2. The employer:
- 3. The Licensing Officer:

DR. K. N. GARG
MBBS MD (Medicine)
Regd. No. IN 248
Approach Road, Raipur

V. Action taken by the employer on Doctor's advice:

VI. Certificate by the Doctor:

Certified that M/s. have completed the action as per my/doctor's advice as given above and consequently the patient has shown improvement/recovered from the ailment.

Signature of the Doctor

EMP. CODE No 484

FORM NO.17
(See Rule 102)

CERTIFICATE OF FITNESS

Serial No 59

Dated: 28.12.24

I hereby certify that I have personally examined **PRADEEP KUMAR UPADHYAY** S/o **SH. RAVISHANKAR UPADHYAY** residing at C/O **PRADEEP MALIK, H.NO - 726/20, PREM NAGAR, ROHTAK** who is desirous of being employed as "**SR.PRODUCTION SUPERVISOR**" in the M/s. Bharat Rasayan Limited and that his age, nearly as can be ascertained from my examination is **38 Years** and that he is in my opinion fit for employment in M/s. Bharat Rasayan Limited. His descriptive marks are: **MOLE ON LT OF NECK**



Signature or Left-hand thumb-
Impression of person employed.



Signature of Medical Officer

DR. A N GARG
MBBS MD (Medicine)
Regd. No. HN 248
Gopnagar Road, Rohtak



NARULA

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UHID/Lab/IPDNo.	012412160268	Rep. Date	17/Dec/2024 07:15PM
Name	Mr.PARDEEP KUMAR UPADHYAY 484	Age / Gender	38 YRS/MALE
Reg. Date	16/Dec/2024 06:39PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160268	Sample Rec. dt	17/Dec/2024 09:59AM

HAEMATOLOGY

CBC WB - EDTA

HB(Haemoglobin)	15.6	gm/dL	13.0 - 17.0
METHOD :- Cyanmethemoglobin Optical			
Reticulocyte count	1.0	%	0.5 - 2.5
METHOD :- New methylene Blue Stain/ Manual			
RBC (Red Blood Cell) count	5.48	million/cumm	3.8 - 4.8
METHOD :- Histogram Calculation by Electrical Resistance Detection			
PCV / Haematocrit	47.8	%	40 - 50
METHOD :- Histogram Calculation by Electrical Resistance Detection			
MCV (Mean Corpuscular Volume)	87.2	fL	83 - 101
METHOD :- Automated Calculated			
MCH (Mean Cell Haemoglobin)	28.5	picogram	27.5 - 32.0
METHOD :- Automated Calculated			
MCHC (Mean Cell Haemoglobin Concentration)	32.6	g/dL	31.5 - 34.5
METHOD :- Automated Calculated			

TLC (Total Leucocyte Count)

Leucocytes Count	6.53	10 ³ /uL	4 - 10
METHOD :- Electrical Resistance Detection			

DLC (Differential Leucocyte Count)

Neutrophils	61	%	40 - 80
Lymphocytes	28	%	20 - 40
Monocytes	06	%	2 - 10 %
Eosinophils	05	%	1 - 6
Basophils	00	%	0 - 2 %

Platelet Count

Platelets	191	10 ³ /uL	150 - 410
METHOD :- Histogram Calculation by Electrical Resistance Detection			

Peripheral Blood Smear Examination

Anisocytosis	Nil	Nil
Poikilocytosis	Nil	Nil
RBC Size	Normocytic	



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Name	Mr.PARDEEP KUMAR UPADHYAY	Age / Gender	38 YRS/MALE
Reg. Date	16/Dec/2024 06:39PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160268	Sample Rec. dt	17/Dec/2024 09:59AM

HAEMATOLOGY

ESR (Erythrocyte Sedimentation Rate) ; WB - EDTA

ESR (Erythrocyte Sedimentation Rate) 06 mm/1st hr 0.0 - 15.0

METHOD - Wintrobe tube

Erythrocyte sedimentation Rate, Blood: - ESR is a non-specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (e.g. corticosteroids, contraceptives). It is especially low 0-1 mm in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as Poikilocytosis, spherocytosis or sickle cells.



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Barcode	01160268	Sample Rec. dt	17/Dec/2024 09:59AM

BIOCHEMISTRY

Glucose Random ; Plasma NaF

Blood Glucose Random 78.0 mg/dl 70 - 160
 METHOD :- Glucose Oxidase Peroxidase

Total Bilirubin (T & D) ; Serum

Serum Bilirubin Total 0.30 mg/dL 0.2 - 1.3
 METHOD :- Azobilirubin/dyphylline

Interpretation

Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. Elevated levels result from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in viral hepatitis, drug reactions, alcoholic liver disease. Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors & Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin.



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BIOCHEMISTRY

Bilirubin Direct ; Serum

Serum Bilirubin Direct 0.1 mg/dl 0.0 - 0.3
 METHOD:- Dual Wavelength Spectrophotometric

Bilirubin Indirect ; Serum

Serum Bilirubin Indirect 0.20 mg/dl 0.0 - 1.1



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Print Date/Time: 21/12/2024 1:43 PM

Printed By: AKASH

Page 5 of 10

If the result(s) of the test(s) is alarming or unexpected the patient is advised to contact the Laboratory immediately for possible remedial advise. We hold no liability due to failure in medical technology or dangers inherent in carrying out the investigations. Report Not For Medico-Legal Use

Timings : Winter : 9 A.M. To 7 P.M.; Summer : 8 A.M. To 8 P.M.; [Sunday : 8 A.M. To 2 P.M., emergency time will be from 2pm to 6pm]



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BIOCHEMISTRY

SGOT/AST (Aspartate Transaminase) ; Serum

Serum SGOT/AST **44** U/L **17 - 59**

METHOD :- Kinetic with Pyridoxal 5 Phosphate

Interpretation

AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia, pancreatitis, hemochromatosis. AST levels may also increase after a heart attack or strenuous activity.

SGPT/ALT (Alanine Transaminase) ; Serum

Serum SGPT/ALT **41** U/L **21 - 52**

METHOD :- Kinetic with Pyridoxal 5 Phosphate

Interpretation

ALT test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys, heart, muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health. AST levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

Alkaline Phosphatase (ALP) ; Serum

Serum Alkaline Phosphatase **66** U/L **38 - 126**

METHOD :- Para nitrophenol phosphate

Interpretation

ALP is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilson's disease.

Blood Urea ; Serum

Blood Urea **32** mg/dl **19 - 43**

METHOD :- Urease

Interpretation

SERUM BLOOD UREA NITROGEN /BUN

Causes of Increased levels

Pre renal

High protein diet, increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal.

Renal Failure

Post Renal

Malignancy, Nephrolithiasis, Prostatism

Causes of decreased levels

Liver disease, SIADH.

Creatinine ; Serum



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Barcode	01160268	Sample Rec. dt	17/Dec/2024 09:59AM

Test Name	Value	Unit	Ref Range
Serum Creatinine	0.80	mg/dl	0.66 - 1.25
METHOD :- Creatine Aminodrolase			

INTERPRETATION	UNIT	REF RANGE
Male	mg/dL	0.66 - 1.25
Female	mg/dL	0.52 - 1.04

Interpretation

CREATININE

SERUM-Higher than normal level may be due to:
Blockage in the urinary tract, Kidney problems, such as kidney damage or failure, infection, or reduced blood flow, Loss of body fluid (dehydration), Muscle problems, such as breakdown of muscle fibers, Problems during pregnancy, such as seizures (eclampsia), or high blood pressure caused by pregnancy (preeclampsia)
Lower than normal level may be due to:
Myasthenia Gravis, Muscular dystrophy



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Opp. HUDA Complex, Civil Road, Rohtak. Tel. : 01262-255250, 255251 Mob. : 9896344314, 9053555557, 9992888047

UHID/Lab/IPDNo.	012412160268	Rep. Date	18/Dec/2024 03:15PM
Name	Mr.PARDEEP KUMAR UPADHYAY	Age / Gender	38 YRS/MALE
Reg. Date	16/Dec/2024 06:39PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160268	Sample Rec. dt	17/Dec/2024 09:59AM

CLINICAL PATHOLOGY

Urine routine & microscopic examination

(Automated Strip Test, Microscopy)

Physical examination

Colour	Pale yellow	Pale yellow
Transparency	Clear	Clear
Turbidity/Deposit	Nil	Nil

Chemical examination

pH	6.0	5.0 - 7.5
Reaction (pH)	Acidic	Acidic
Specific gravity	1.025	1.016 - 1.025
Leukocyte	NIL	NIL
Blood	Absent	Absent
Proteins/ Albumin	Nil	Nil
Glucose/ Reducing Substances	NIL	NIL
Bilirubin	Negative	Negative
Urobilinogen	Not increased	Not increased
Ketones	Negative	Negative
Nitrites	Negative	Negative

Microscopic examination

Pus Cells (Leucocytes)	0 - 1	/HPF	0 - 1
RBC	Nil	/HPF	Occasional
About 90% of the RBCs are Eumorphic at the time of Microscopic Examination.			
Epithelial cells	NIL	/HPF	NIL
Casts	Nil	/HPF	Nil
Crystals	Nil	/HPF	Nil
Organism	No Organism Seen		No Organism Seen



Tashi

Dr. (Mrs.) Tashi Narula
 M.B.B.S., M.D. (Pathology)
 Gold Medalist

1. General Examination

- (a) Height — 168 cm
- (b) Weight — 68 kg
- (c) Pulse rate — 70/min
- (d) Blood pressure — 132/76
- (e) Respiration — 18/min
- (f) Anemia/Pallor]
- (g) Oedema] - NO
- (h) Jaundice]
- (i) Skin condition] - Normal
- (j) Temperature]
- (k) Fatigability — NO
- (l) Sweating]
- (m) Sleep] - Normal
- (n) Urination]

1. Gastro Intestinal

- (a) Nausea] - NO
- (b) Vomiting]
- (c) Appetite] - Normal
- (d) Taste]
- (e) Pain in abdomen — NO
- (f) Bowel movement — Normal
- (g) Liver] - Not palpable
- (h) Spleen]

2. Cardio-respiratory

- (a) Nasal Discharge]
- (b) Wheeze]
- (c) Cough] - NO
- (d) Expectoration]
- (e) Tightness of chest]
- (f) Dyspnoea] - NO
- (g) Palpitation]
- (h) Heart — S1S2 Normal
- (i) Cyanosis]
- (j) Tachycardia/Bradycardia] - NO

3. Neuro-muscular

- (a) Headache]
- (b) Dizziness]
- (c) Irritability]
- (d) Twitching] - NO
- (e) Tremors]
- (f) Convulsions]
- (g) Paraneesthesia]
- (h) Hallucinations]
- (i) Unconsciousness] - NO
- (j) Superficial reflexes]
- (k) Deep reflexes] - Normal
- (l) Coordination]

4. Eye

- (a) Pupil] - Normal
- (b) Lachrymation] - Normal
- (c) Double vision] - No
- (d) Blurred vision] - No

5. Psychological

- (a) Temperament] - Normal
- (b) Judgment] - Normal
- (c) Nervousness - No

6. Kidney

Kidney Condition - Normal

7. Investigation

- (a) Complete Haemogram: (Hb, TRBC, TLC, DLC, Platelet, Reticulocytes count, ESR)
- (b) Liver Function Tests: (Serum Bilirubin, SAP, SGOT, SGPT, Cholesterol, Total Protein and serum albumin)
- (c) Kidney Function Tests: (Blood urea, Serum creatinine)
- (d) Blood sugar, HbA1C
- (e) * Serum cholinesterase
- (f) ** Blood residue estimation (In case of Organochlorine once in a year)
- (g) Urine- routine & microscopic
- (h) X-ray chest (PA View): Once every year
- (i) Ultrasound whole abdomen: Once every year
- Serum cholinesterase level should be measured in monthly intervals in case of organophosphorus/carbamate group of insecticides, General remarks of the doctor in the light of the above examination.

** In organochlorine group of insecticides the blood residue estimation should be done once a year.

II. DIAGNOSIS

III. ADVICE GIVEN TO

- 1. The employee
- 2. The employer:



Signature of the Doctor

With Date and Seal

DR. K.N. GARG
MBBS MD (Medicine)
Regd. No. HN 248
Approach Road, Rehtab

IV. Acknowledgement to be given by

- 1. The employee
- 2. The employer:
- 3. The Licensing Officer:

V. Action taken by the employer on Doctor's advice:

VI. Certificate by the Doctor:

Certified that M/s. have completed the action as per my/doctor's advice as given above and consequently the patient has shown improvement/recovered from the ailment.

Signature of the Doctor

EMP. CODE No 482

FORM NO.17
(See Rule 102)

CERTIFICATE OF FITNESS


Serial No 58

Dated:25.12.2024.....

I hereby certify that I have personally examined SUNIL KUMAR YADAV S/o
SH. RAMA SHANKAR PSD YADAV residing at C/O JAGAT SINGH, H.NO -
343/1, INDRA COLONY, ROHTAK who is desirous of being employed as
"SR.PRODUCTION SUPERVISOR" in the M/s. Bharat Rasayan Limited and
that his age, nearly as can be ascertained from my examination is 41 Years and
that he is in my opinion fit for employment in M/s. Bharat Rasayan Limited. His
descriptive marks are: MOLE ON RING FINGER OF LT HAND



Signature or Left-hand thumb-
Impression of person employed.



Signature of Medical Officer

DR. K N GARG
MBBS MD (Medicine)
Regd. No. HN 248
Approach Road, Rohtak



NARULA

DIAGNOSTIC CENTRE LLP



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UHID/Lab/IPDNo.	012412160267	Rep. Date	18/Dec/2024 05:11PM
Name	Mr.SUNIL KUMAR YADAV 482	Age / Gender	41 YRS/MALE
Reg. Date	16/Dec/2024 06:38PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160267	Sample Rec. dt	17/Dec/2024 09:45AM

Test Name	Value	Unit	Ref. Range
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HAEMATOLOGY

CBC WB - EDTA

HB(Haemglobin)	13.8	gm/dL	13.0 - 17.0
METHOD - Cyanmethemoglobin Optical			
Reticulocyte count	1.0	%	0.5 - 2.5
METHOD - New methylene Blue Stain/ Manual			
RBC (Red Blood Cell) count	4.48	million/cumm	3.8 - 4.8
METHOD - Histogram Calculation by Electrical Resistance Detection			
PCV / Haematocrit	42.9	%	40 - 50
METHOD - Histogram Calculation by Electrical Resistance Detection			
MCV (Mean Corpuscular Volume)	95.8	fL	83 - 101
METHOD - Automated Calculated			
MCH (Mean Cell Haemoglobin)	30.8	picogram	27.5 - 32.0
METHOD - Automated Calculated			
MCHC (Mean Cell Haemoglobin Concentration)	32.2	g/dL	31.5 - 34.5
METHOD - Automated Calculated			

TLC (Total Leucocyte Count)

Leucocytes Count	9.03	10 ³ /uL	4 - 10
METHOD - Electrical Resistance Detection			

DLC (Differential Leucocyte Count)

Neutrophils	63	%	40 - 80
Lymphocytes	30	%	20 - 40
Monocytes	06	%	2 - 10 %
Eosinophils	01	%	1 - 6
Basophils	00	%	0 - 2 %

Platelet Count

Platelets	156	10 ³ /uL	150 - 410
METHOD - Histogram Calculation by Electrical Resistance Detection			

Peripheral Blood Smear Examination

Anisocytosis	Nil	Nil
Poikilocytosis	Nil	Nil
RBC Size	Normocytic	





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UHID/Lab/IPDNo.	012412160267	Rep. Date	19/Dec/2024 11:20AM
Name	Mr.SUNIL KUMAR YADAV 482	Age / Gender	41 YRS/MALE
Reg. Date	16/Dec/2024 06:38PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160267	Sample Rec. dt	17/Dec/2024 09:45AM

Test Name	Value	Unit	Ref. Range
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HAEMATOLOGY

ESR (Erythrocyte Sedimentation Rate) ; WB - EDTA

ESR (Erythrocyte Sedimentation Rate)	12	mm/1st hr	0.0 - 15.0
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METHOD :- Wintrobe tube

Erythrocyte sedimentation Rate, Blood: - ESR is a non-specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (e.g. corticosteroids, contraceptives). It is especially low 0-1 mm in polycythemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as Poikilocytosis, spherocytosis or sickle cells.



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Print Date/Time: 21/12/2024 1:43 PM

Printed By: AKASH

Page 3 of 10

If the result(s) of the test(s) is alarming or unexpected the patient is advised to contact the Laboratory immediately for possible remedial advise. We hold no liability due to failure in medical technology or dangers inherent in carrying out the investigations. Report Not For Medico-Legal Use

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LABORATORY HOME COLLECTION FACILITY
CONTACT : 8053006449, 989491177, 9053555557

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Name	Mr.SUNIL KUMAR YADAV 482	Age / Gender	41 YRS/MALE
Reg. Date	16/Dec/2024 06:38PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160267	Sample Rec. dt	17/Dec/2024 09:45AM

Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

Glucose Random ; Plasma NaF

Blood Glucose Random 83.0 mg/dl 70 - 160
METHOD :- Glucose Oxidase Peroxidase

Total Bilirubin (T & D) ; Serum

Serum Bilirubin Total 0.40 mg/dL 0.2 - 1.3
METHOD :- Azobilirubin/dyphylline

Interpretation

Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. Elevated levels results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease. Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors & Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin.



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Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

Bilirubin Direct ; Serum

Serum Bilirubin Direct 0.10 mg/dl 0.0 - 0.3
METHOD:- Dual Wavelength Spectrophotometric

Bilirubin Indirect ; Serum

Serum Bilirubin Indirect 0.30 mg/dl 0.0 - 1.1



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Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

SGOT/AST (Aspartate Transaminase) ; Serum

Serum SGOT/AST **25** U/L **17 - 59**

METHOD :- Kinetic with Pyridoxal 5 Phosphate

Interpretation

AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia, pancreatitis, hemochromatosis. AST levels may also increase after a heart attack or strenuous activity.

SGPT/ALT (Alanine Transaminase) ; Serum

Serum SGPT/ALT **21** U/L **21 - 52**

METHOD :- Kinetic with Pyridoxal 5 Phosphate

Interpretation

ALT test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys, heart, muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health. ALT levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

Alkaline Phosphatase (ALP) ; Serum

Serum Alkaline Phosphatase **65** U/L **38 - 126**

METHOD :- Para nitrophenol phosphate

Interpretation

ALP is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilson's disease.

Blood Urea ; Serum

Blood Urea **24** mg/dl **19 - 43**

METHOD :- Urease

Interpretation

SERUM BLOOD UREA NITROGEN /BUN

Causes of Increased levels

Pre renal

High protein diet, increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal.

Renal Failure

Post Renal

Malignancy, Nephrolithiasis, Prostatism

Causes of decreased levels

Liver disease, SIADH.

Creatinine ; Serum



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Test Name	Value	Unit	Ref. Range
Serum Creatinine METHOD : Creatine Aminodrolase	0.70	mg/dl	0.66 - 1.25

INTERPRETATION	UNIT	REF RANGE
Male	mg/dL	0.66 - 1.25
Female	mg/dL	0.52 - 1.04

Interpretation

CREATININE

SERUM-Higher than normal level may be due to:
Blockage in the urinary tract, Kidney problems, such as kidney damage or failure, infection, or reduced blood flow, Loss of body fluid (dehydration), Muscle problems, such as breakdown of muscle fibers, Problems during pregnancy, such as seizures (eclampsia), or high blood pressure caused by pregnancy (preeclampsia)
Lower than normal level may be due to:
Myasthenia Gravis, Muscular dystrophy



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Opp. HUDA Complex, Civil Road, Rohtak. Tel. : 01262-255250, 255251 Mob. : 9896344314, 9053555557, 9992888047

UHID/Lab/IPDNo.	012412160267	Rep. Date	17/Dec/2024 05:27PM
Name	Mr.SUNIL KUMAR YADAV 482	Age / Gender	41 YRS/MALE
Reg. Date	16/Dec/2024 06:38PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160267	Sample Rec. dt	17/Dec/2024 09:45AM

Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

Total Cholesterol ; Serum

Total Cholesterol 156 mg/dL < 200.0
METHOD :- Enzymatic;

Interpretation	Unit	Ref. Range
Desirable	mg/dL	<200.0
Borderline	mg/dL	200 - 239
High	mg/dL	> 240.0

Interpretation:-

Serum cholesterol is a blood test that can provide valuable information for the risk of coronary artery disease. This test can help determine your risk of the build up of plaques in your arteries that can lead to narrowed or blocked arteries throughout your body (atherosclerosis). High cholesterol levels usually don't cause any signs or symptoms, so a cholesterol test is an important tool. High cholesterol levels often are a significant risk factor for heart disease and important for diagnosis of hyperlipoproteinemia, atherosclerosis, hepatic and thyroid diseases.



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Dr. (Mrs.) Tashi Narula
M.B.B.S., M.D. (Pathology)
Gold Medalist



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UHID/Lab/IPDNo.	012412160267	Rep. Date	18/Dec/2024 04:18PM
Name	Mr.SUNIL KUMAR YADAV 482	Age / Gender	41 YRS/MALE
Reg. Date	16/Dec/2024 06:38PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160267	Sample Rec. dt	17/Dec/2024 09:45AM

Test Name	Value	Unit	Ref. Range
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CLINICAL PATHOLOGY

Urine routine & microscopic examination

(Automated Strip Test, Microscopy)

Physical examination

Colour	Pale yellow		Pale yellow
Transparency	Clear		Clear
Turbidity/Deposit	Nil		Nil
Chemical examination			
pH	6.0		5.0 - 7.5
Reaction (pH)	Acidic		Acidic
Specific gravity	1.030		1.016 - 1.025
Leukocyte	NIL		NIL
Blood	Absent		Absent
Proteins/ Albumin	Nil		Nil
Glucose/ Reducing Substances	NIL		NIL
Bilirubin	Negative		Negative
Urobilinogen	Not increased		Not increased
Ketones	Negative		Negative
Nitrites	Negative		Negative

Microscopic examination

Pus Cells (Leucocytes)	0 - 1	/HPF	0 - 1
RBC	Nil	/HPF	Occasional
About 90% of the RBCs are Eumorphic at the time of Microscopic Examination.			
Epithelial cells	1 - 2	/HPF	NIL
Casts	Nil	/HPF	Nil
Crystals	Nil	/HPF	Nil
Organism	No Organism Seen		No Organism Seen



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1. General Examination

- (a) Height — 170 cm
- (b) Weight — 62 kg
- (c) Pulse rate — 72/min
- (d) Blood pressure — 124/80
- (e) Respiration — 18/min
- (f) Anemia/Pallor]
- (g) Oedema] -NO
- (h) Jaundice]
- (i) Skin condition] -Normal
- (j) Temperature] -Normal
- (k) Fatigability — NO
- (l) Sweating]
- (m) Sleep] -Normal
- (n) Urination]

1. Gastro Intestinal

- (a) Nausea] -NO
- (b) Vomiting] -NO
- (c) Appetite] -Normal
- (d) Taste] -Normal
- (e) Pain in abdomen — NO
- (f) Bowel movement — Normal
- (g) Liver] -NOT Palpable
- (h) Spleen] -NOT Palpable

2. Cardio-respiratory

- (a) Nasal Discharge]
- (b) Wheeze]
- (c) Cough Expectoration] -NO
- (d) Tightness of chest]
- (e) Dyspnoea] -NO
- (f) Palpitation] -NO
- (g) Heart — S.S₂ Normal
- (h) Cyanosis]
- (i) Tachycardia/Bradycardia] -NO

3. Neuro-muscular

- (a) Headache]
- (b) Dizziness]
- (c) Irritability]
- (d) Twitching] -NO
- (e) Tremors]
- (f) Convulsions]
- (g) Paraneesthesia]
- (h) Hallucinations]
- (i) Unconsciousness] -NO
- (j) Superficial reflexes] -Normal
- (k) Deep reflexes] -Normal
- (l) Coordination]

4. Eye

- (a) Pupil] - Normal
- (b) Lachrymation] - Normal
- (c) Double vision] - NO
- (d) Blurred vision] - NO

5. Psychological

- (a) Temperament] - Normal
- (b) Judgment] - Normal
- (c) Nervousness - NO

6. Kidney

Kidney Condition - Normal


7. Investigation

- (a) Complete Hicogram: (Hb, TRBC, TLC, DLC, Platelet, Reticulocytes count, ESR)
- (b) Liver Function Tests: (Serum Bilirubin, SAP, SGOT, SGPT, Cholesterol, Total Protein and serum albumin)
- (c) Kidney Function Tests: (Blood urea, Serum creatinine)
- (d) Blood sugar, HbA1C
- (e) * Serum cholinesterase
- (f) ** Blood residue estimation (In case of Organochlorine once in a year)
- (g) Urine- routine & microscopic
- (h) X-ray chest (PA View): Once every year
- (i) Ultrasound whole abdomen: Once every year
- Serum cholinesterase level should be measured in monthly intervals in case of organophosphorus/carbamatic group of insecticides, General remarks of the doctor in the light of the above examination.

** In organochlorine group of insecticides the blood residue estimation should be done once a year.

- I. DIAGNOSIS
- II. ADVICE GIVEN TO
 - 1. The employee
 - 2. The employer:


Signature of the Doctor

- III. Acknowledgement to be given by 
 - 1. The employee
 - 2. The employer:
 - 3. The Licensing Officer:

With Date and Seal
DR. K.N. GARG
MBBS MD (Medicine)
Regd. No rIN 248
Approach Road, Rohtak

- IV. Action taken by the employer on Doctor's advice:
- V. Certificate by the Doctor:

Certified that M/s. have completed the action as per my/doctor's advice as given above and consequently the patient has shown improvement/recovered from the ailment.

Signature of the Doctor

EMP. CODE No 842

FORM NO.17

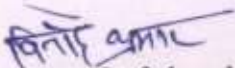
(See Rule 102)


CERTIFICATE OF FITNESS

Serial No 119

Dated: ..20..12..24

I hereby certify that I have personally examined VINOD KUMAR S/o SH. MAHENDRA SINGH residing at C/O GULSHAN MAKHEEJA, 976/26, CIRCULAR ROAD, GANDHI CAMP, ROHTAK who is desirous of being employed as "PRODUCTION SUPERVISOR" in the M/s. Bharat Rasayan Limited and that his age, nearly as can be ascertained from my examination is 32 Years and that he is in my opinion fit for employment in M/s. Bharat Rasayan Limited. His descriptive marks are: MOLE ON NECK


Signature or Left-hand thumb-
Impression of person employed.


Signature of Medical Officer

DR. K. N. GARYA
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Regd. No HN 248
Durgach Road, Rohtak

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Name	Mr.VINOD KUMAR 842	Age / Gender	32 YRS/MALE
Reg. Date	16/Dec/2024 06:54PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160293	Sample Rec. dt	17/Dec/2024 11:08AM

Test Name	Value	Unit	Ref. Range
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HAEMATOLOGY

CBC WB - EDTA

HB(Haemoglobin)	13.3	gm/dL	13.0 - 17.0
METHOD :- Cysmethemoglobin Optical			
Reticulocyte count	1.0	%	0.5 - 2.5
METHOD :- New methylene Blue Stain/ Manual			
RBC (Red Blood Cell) count	4.17	million/cumm	3.8 - 4.8
METHOD :- Histogram Calculation by Electrical Resistance Detection			
PCV / Haematocrit	41.2	%	40 - 50
METHOD :- Histogram Calculation by Electrical Resistance Detection			
MCV (Mean Corpuscular Volume)	98.8	fL	83 - 101
METHOD :- Automated Calculated			
MCH (Mean Cell Haemoglobin)	31.9	picogram	27.5 - 32.0
METHOD :- Automated Calculated			
MCHC (Mean Cell Haemoglobin Concentration)	32.3	g/dL	31.5 - 34.5
METHOD :- Automated Calculated			

TLC (Total Leucocyte Count)

Leucocytes Count	9.39	10 ³ /uL	4 - 10
METHOD :- Electrical Resistance Detection			

DLC (Differential Leucocyte Count)

Neutrophils	64	%	40 - 80
Lymphocytes	29	%	20 - 40
Monocytes	05	%	2 - 10 %
Eosinophils	02	%	1 - 6
Basophils	00	%	0 - 2 %

Platelet Count

Platelets	183	10 ³ /uL	150 - 410
METHOD :- Histogram Calculation by Electrical Resistance Detection			

Peripheral Blood Smear Examination

Anisocytosis	Nil	Nil
Poikilocytosis	Nil	Nil
RBC Size	Normocytic	



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UHID/Lab/IPDNo.	012412160293	Rep. Date	19/Dec/2024 01:24PM
Name	Mr.VINOD KUMAR 842	Age / Gender	32 YRS/MALE
Reg. Date	16/Dec/2024 06:54PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160293	Sample Rec. dt	17/Dec/2024 11:08AM

Test Name	Value	Unit	Ref. Range
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HAEMATOLOGY

ESR (Erythrocyte Sedimentation Rate) ; WB - EDTA

ESR (Erythrocyte Sedimentation Rate) **18** mm/1st hr 0.0 - 15.0

METHOD :- Wintrobe tube

Erythrocyte sedimentation Rate, Blood: - ESR is a non-specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (e.g. corticosteroids, contraceptives). It is especially low 0-1 mm in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as Poikilocytosis, spherocytosis or sickle cells.



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Print Date/Time: 21/12/2024 3:13 PM

Printed By: AKASH

Page 3 of 10

If the result(s) of the test(s) is alarming or unexpected the patient is advised to contact the Laboratory immediately for possible remedial advise. We hold no liability due to failure in medical technology or dangers inherent in carrying out the investigations. Report Not For Medico-Legal Use
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Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

Glucose Random ; Plasma NaF

Blood Glucose Random 72.0 mg/dl 70 - 160

METHOD :- Glucose Oxidase Peroxidase

Total Bilirubin (T & D) ; Serum

Serum Bilirubin Total 1.0 mg/dL 0.2 - 1.3

METHOD :- Azobilirubin/dyphylline

Interpretation

Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. Elevated levels results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease. Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors & Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin.



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Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

Bilirubin Direct ; Serum

Serum Bilirubin Direct 0.30 mg/dl 0.0 - 0.3
METHOD:- Dual Wavelength Spectrophotometric

Bilirubin Indirect ; Serum

Serum Bilirubin Indirect 0.70 mg/dl 0.0 - 1.1



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UHID/Lab/IPDNo. 012412160293

Name Mr.VINOD KUMAR 842

Reg. Date 16/Dec/2024 06:54PM

Barcode 01160293

Rep. Date 17/Dec/2024 05:41PM

Age / Gender 32 YRS/MALE

Ref. Dr. Dr. Bharat Rasayan Limited

Sample Rec. dt 17/Dec/2024 11:08AM

Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

SGOT/AST (Aspartate Transaminase) ; Serum

Serum SGOT/AST

28

U/L

17 - 59

METHOD -> Kinetic with Pyridoxal 5 Phosphate

Interpretation

AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia, pancreatitis, hemochromatosis. AST levels may also increase after a heart attack or strenuous activity.

SGPT/ALT (Alanine Transaminase) ; Serum

Serum SGPT/ALT

26

U/L

21 - 52

METHOD -> Kinetic with Pyridoxal 5 Phosphate

Interpretation

ALT test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys, heart, muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health. AST levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

Alkaline Phosphatase (ALP) ; Serum

Serum Alkaline Phosphatase

85

U/L

38 - 126

METHOD -> Para nitrophenol phosphate

Interpretation

ALP is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilson's disease.

Blood Urea ; Serum

Blood Urea

32

mg/dl

19 - 43

METHOD -> Urease

Interpretation

SERUM BLOOD UREA NITROGEN /BUN

Causes of Increased levels

Pre renal

High protein diet, increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal.

Renal Failure

Post Renal

Malignancy, Nephrolithiasis, Prostatism

Causes of decreased levels

Liver disease, SIADH.

Creatinine ; Serum



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Regn. No. : H.N. 010759

नरुला
डायग्नोस्टिक सेंटर एल एल

Opp. HUDA Complex, Civil Road, Rohtak. Tel. : 01262-255250, 255251 Mob. : 9896344314, 9053555557, 9992888047

UHID/Lab/IPDNo. 012412160293	Rep. Date 17/Dec/2024 05:41PM
Name Mr.VINOD KUMAR 842	Age / Gender 32 YRS/MALE
Reg. Date 16/Dec/2024 06:54PM	Ref. Dr. Dr. Bharat Rasayan Limited
Barcode 01160293	Sample Rec. dt 17/Dec/2024 11:08AM

Test Name	Value	Unit	Ref. Range
Serum Creatinine METHOD :- Creatine Aminodrolase	0.70	mg/dl	0.66 - 1.25

INTERPRETATION	UNIT	REF RANGE
Male	mg/dL	0.66 - 1.25
Female	mg/dL	0.52 - 1.04

Interpretation

CREATININE

SERUM-Higher than normal level may be due to:

Blockage in the urinary tract, Kidney problems, such as kidney damage or failure, infection, or reduced blood flow, Loss of body fluid (dehydration), Muscle problems, such as breakdown of muscle fibers, Problems during pregnancy, such as seizures (eclampsia), or high blood pressure caused by pregnancy (preeclampsia)

Lower than normal level may be due to:

Myasthenia Gravis, Muscular dystrophy



Tashi

Dr. (Mrs.) Tashi Narula
M.B.B.S., M.D. (Pathology)
Gold Medalist

Dr. Arun K. Narula

M.B.B.S., M.D., (Radio Diagnosis),
D.M.R.D., F.I.A.M.S.
Chief Consultant Radiologist & Sonologist
Regn. No. : 395
Ex. President : IRIA, Haryana State

Dr. Apoorv

M.B.B.S. (Gold Medalist),
M.D. (Radio Diagnosis), LL.B.
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Fellowship in Echocardiography
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Dr. Isha

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Dr. Arjun

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Interventional Radiologist,
Fellow Fetal Medicine
Ex. Sr. Resident, PGIMER (Chandigarh)
Ex. Assistant Professor, PGIMS (Rohtak)
Regn. No. : H.N. 010759

Opp. HUDA Complex, Civil Road, Rohtak. Tel. : 01262-255250, 255251 Mob. : 9896344314, 9053555557, 9992888047

UHID/Lab/IPDNo.	012412160293	Rep. Date	17/Dec/2024 05:41PM
Name	Mr.VINOD KUMAR 842	Age / Gender	32 YRS/MALE
Reg. Date	16/Dec/2024 06:54PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160293	Sample Rec. dt	17/Dec/2024 11:08AM

Test Name	Value	Unit	Ref. Range
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BIOCHEMISTRY

Total Cholesterol ; Serum

Total Cholesterol 128 mg/dL < 200.0
METHOD :- Enzymatic;

Interpretation	Unit	Ref.Range
Desirable	mg/dL	<200.0
Borderline	mg/dL	200 - 239
High	mg/dL	> 240.0

Interpretation:-

Serum cholesterol is a blood test that can provide valuable information for the risk of coronary artery disease. This test can help determine your risk of the build up of plaques in your arteries that can lead to narrowed or blocked arteries throughout your body (atherosclerosis). High cholesterol levels usually don't cause any signs or symptoms, so a cholesterol test is an important tool. High cholesterol levels often are a significant risk factor for heart disease and important for diagnosis of hyperlipoproteinemia, atherosclerosis, hepatic and thyroid diseases.



Tashi

Dr. (Mrs.) Tashi Narula
M.B.B.S., M.D. (Pathology)
Gold Medalist



NARULA DIAGNOSTIC CENTRE LLP

Dr. Tashi Narula

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Ex. Sr. Resident, PGIMS (Rohtak)
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Ex. Assistant Professor, PGIMS (Rohtak)
Regn. No. : H.N. 010759

नरुला
डायग्नोस्टिक सेंटर एल.एल.पी.

Opp. HUDA Complex, Civil Road, Rohtak. Tel. : 01262-255250, 255251 Mob. : 9896344314, 9053555557, 9992888047

UHID/Lab/IPDNo.	012412160293	Rep. Date	18/Dec/2024 03:17PM
Name	Mr.VINOD KUMAR 842	Age / Gender	32 YRS/MALE
Reg. Date	16/Dec/2024 06:54PM	Ref. Dr.	Dr. Bharat Rasayan Limited
Barcode	01160293	Sample Rec. dt	17/Dec/2024 11:08AM

Test Name	Value	Unit	Ref. Range
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CLINICAL PATHOLOGY

Urine routine & microscopic examination

(Automated Strip Test, Microscopy)

Physical examination

Colour	Pale yellow	Pale yellow
Transparency	Clear	Clear
Turbidity/Deposit	Nil	Nil

Chemical examination

pH	6.0	5.0 - 7.5
Reaction (pH)	Acidic	Acidic
Specific gravity	1.020	1.016 - 1.025
Leukocyte	NIL	NIL
Blood	Absent	Absent
Proteins/ Albumin	Nil	Nil
Glucose/ Reducing Substances	NIL	NIL
Bilirubin	Negative	Negative
Urobilinogen	Not increased	Not increased
Ketones	Negative	Negative
Nitrites	Negative	Negative

Microscopic examination

Pus Cells (Leucocytes)	0 - 1	/HPF	0 - 1
RBC	Nil	/HPF	Occasional
About 90% of the RBCs are Eumorphic at the time of Microscopic Examination.			
Epithelial cells	NIL	/HPF	NIL
Casts	Nil	/HPF	Nil
Crystals	Nil	/HPF	Nil
Organism	No Organism Seen		No Organism Seen



Tashi

Dr. (Mrs.) Tashi Narula
M.B.B.S., M.D. (Pathology)
Gold Medalist

Print Date/Time: 21/12/2024 3:13 PM

Printed By: AKASH

Page 9 of 10

If the result(s) of the test(s) is alarming or unexpected the patient is advised to contact the Laboratory immediately for possible remedial advise. We hold no liability due to failure in medical technology or dangers inherent in carrying out the investigations. Report Not For Medico-Legal Use

Timings : Winter : 9 A.M. To 7 P.M.; Summer : 8 A.M. To 8 P.M.; [Sunday : 8 A.M. To 2 P.M., emergency time will be from 2pm to 6pm]

www.naruladiagnostics.com

HELPLINE NO. : 9797973300

LABORATORY HOME COLLECTION FACILITY
CONTACT : 9053060449, 989631177, 9053555557

ANNEXURE – V
DETAILS OF EMP COST YEAR WISE

BHARAT RASAYAN LIMITED (MOKHRA)**EMP RUNNING COST FOR THE PERIOD 01/10/2024 to 31/03/2025**

Particulars	October 2023 to March 2024	April-2024 to September-2024	October-2024 to March 2025
Air, Water, Hazardous Management Cost	82,98,365	82,13,482.18	92,93,941.91
Others Expenses	31,28,418	2,70,799.14	5,35,494.07
Total	1,14,26,783	84,84,281	98,29,435.98

ANNEXURE – VI
COPY OF HWRA PERMISSION



हरियाणा सरकार
हरियाणा जल संसाधन प्राधिकरण
Government of Haryana
Haryana Water Resources Authority

PERMISSION CERTIFICATE FOR GROUND WATER EXTRACTION

Project Name:	Bharat Rasayan Limited							
Project Address:	2KM Stone, Madina-Mokhra Road, Village Mokhra, Tehsil Meham, District Rohtak -124022 Haryana							
Village/MC:	Mokhra Khas	Tehsil:	Maham					
District:	ROHTAK	State:	Haryana					
Pin Code:	--							
Communication Address:	2KM Stone, Madina-Mokhra Road, Village Mokhra, Tehsil Meham, District Rohtak -124022 Haryana							
Address Regional Office:	Rear Building, 3rd Floor, HSVP, Sector-6, Panchkula							
1. NOC No.:	HWRA/NOC/IND/R/2024/678							
2. Application No.:	HWRA/IND/R/2024/2640	3. Category:	Industry					
4. Project Status:	Renew	5. NOC Type:	Renew					
6. Ground Water Extraction Permitted:								
Ground Water For	m3/day	m3/year	Valid From	Valid Upto				
Fresh Water	235.00	84600.00	04/09/2024	04/09/2025				
Total	235.00	84600.00	--	--				
7. Details of Ground Water Extraction: Total Existing No.:-	Total Proposed No.:-							
	DW	DCB	BW	TW	DW	DCB	BW	TW
Abstraction Structure*	--	--	--	2	--	--	--	--
*DW - Dug Well;DCB - Dug cum Bore Well;BW - Bore Well;TW - Tube Well;DWLR - Digital Water Level Recorder								
8. Quantum of ground water recharge(m3/year)	--							
9. Number of Piezometers (Observation wells) to be constructed/ monitored & Monitoring mechanism	No. of Piezometers		Monitoring Mechanism					
			Manual	DWLR	Telemetry			
	0		0	0	0			

* Terms & conditions are at the back of this page.



Validity of this NOC shall be subject to compliance of the following mandatory conditions

This NOC for abstraction of ground water, shall be subject to the following terms and conditions



Note: This is computer generated certificate, it can be validated by scanning QR code.

1. NOC is granted to the applicant on the condition that local government water supply agencies are not able to supply the desired quantity of water. In case of supply of water from local agency the applicant shall immediately inform HWRA and reduce the abstraction of ground water accordingly.
2. The applicant shall adopt latest water efficient technologies to reduce dependence on ground water resources by 20% in three years. Compliance report in this regard shall be submitted yearly. The proof of reduction of dependence on ground water shall also be submitted half yearly i.e., at the time of deposit of water abstraction charges of the second quarter.
3. The applicant abstracting ground water between 100-500 kld shall undertake self-annual water audit and those abstracting ground water more than 500 kld shall undertake water audit through organisations authorised by Government of India or HWRA and submit audit reports at the time of renewal of the NOC.
4. Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism shall be mandatory for industries drawing or proposing to draw more than 500 kld of ground water and Monitoring of water level shall be done by project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 25 m from the production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well wells Detailed guidelines for design and construction of piezometer is given on the portal. Monthly water level data shall be submitted to the HRWA through the web portal on quarterly basis.
5. The applicant with red category industries as per Haryana State Pollution Control Board shall store the harvested rainwater in surface storage tanks for use in the industry and shall not use the harvested rainwater to recharge ground water, further the applicants under this category shall ensure wellhead protection measures to prevent ground water pollution and will inform the compliance within 3 months.
6. Injection of treated/untreated wastewater/effluents into aquifer system is strictly prohibited.
7. The applicant drawing ground water in safe, semi-critical and critical assessment units shall be required to pay ground water abstraction charges on quarterly basis, applicable as per Tables 5.3A.
8. The applicant drawing ground water in over-exploited assessment units shall be liable to pay ground water restoration charges on quarterly basis, applicable as per Tables 5.3 B.
9. All the tube wells/ground water abstraction structures permitted shall be fixed with digital electromagnetic/ultrasonic water meters, by the industry at its own cost with telemetry system and monthly ground water abstraction data shall be recorded in a logbook. Compliance to this condition shall be reported within one month from the date of issue of this letter. Daily water meter readings to be recorded in a dedicated register and shall be submitted on the web portal to HWRA on quarterly basis or through centralized mechanism evolved by HWRA. The geotag photos of all the flow meters/water meters showing date and coordinates be uploaded on the portal for calculation of quarterly tariff. Without geotagged photos not showing date and coordinates will not be entertained.
10. The applicant, as per approved proposal, shall implement rainwater harvesting and ground water recharge measures within three months from the date of issuance of this NOC and undertake periodic maintenance of recharge structures. Photographs (with geo tag only) of the recharge structures etc. and compliance of completion of construction of the same along with copy of NOC shall be furnished immediately to the Haryana Water Resources Authority for verification, on the Email ID of the Authority (compliance - hwra@hry.gov.in)
11. The ground water chemical quality shall be monitored twice in a year during pre & post- monsoon period.
12. The monthly ground water level monitoring data in respect of piezometer shall be submitted quarterly to the Haryana Water Resources Authority on regular basis.
13. The applicant shall ensure proper recycling and reuse, including use for green belt, of wastewater after adequate treatment.
14. In case of renewal, application shall be submitted online within 90 days before the expiry of this NOC and abstraction of ground water, after expiry of NOC shall be illegal and liable for legal action as per law.
15. The applicant shall seek prior permissions from HWRA for any increase in daily quantum of groundwater abstraction (i.e. more than the permitted limit in the NOC).
16. Where the applicant granted NOC for abstraction of saline water and the existing well(s) is/are yielding fresh water, the same shall be sealed and new tube well(s) tapping saline water shall be constructed within 3 months of the issuance of NOC or from the date of seal of the fresh water tube well, as the case may be. The applicant shall be also ensuring safe disposal of saline residue, if any.
17. The applicant shall comply with the provisions of the Haryana Water Resources (Conservation, Regulation and Management) Authority Act, 2020, Rules, regulations, guidelines and directions issued thereunder. Non-compliance of these provisions shall be liable for the penalty as per the provisions of the Act, rules and regulations, guidelines and directions issued thereunder.
18. The applicant shall ensure the 100% reuse for non potable usage of self generated waste water after due treatment. He shall also ensure to reuse for non potable usage the Treated Waste Water (other than self generated) as per application and NOC terms & conditions
19. Since, this NOC has been issued on the basis of self-assessment by the applicant and without any site inspection, hence the Authority may inspect the site/unit and documents at any time. In case any material difference is found in the information submitted and the site conditions or documents, the Authority may suspend the NOC granted immediately and may revoke or modify the NOC after giving a notice to the applicant.
20. This NOC is subject to prevailing State Government rules/law of Courts orders related to construction of tube well, ground water withdrawal, construction of recharge or conservation structure/discharge of effluents or any such matters as applicable.
21. The applicant shall comply with the directions/conditions/instructions issued by any Court of law related to the matters concerned with the Authority.
22. The applicant shall report self-compliance duly signed by authorized person along with authorization letter by e-mail to Haryana Water Resources Authority quarterly as well as yearly basis after the issuance of NOC.
23. This NOC does not absolve the applicant of his obligation/requirement to obtain the necessary approvals from the statutory and administrative Authorities/Departments.
24. The issuance of this NOC does not imply that other statutory or administrative clearances shall necessarily be granted to the applicant by the concerned authorities. The concerned Authorities shall act as per their own procedure.
25. The applicant shall immediately inform the HWRA, if any change in the information provided by the applicant in the application form for seeking NOC.
26. This NOC shall not absolve the applicant from any penalty/punishment/environment compensation, which may have been imposed or may be imposed, for abstraction of groundwater during such period, before the issuance of this NOC.
27. In case of non-payment or delayed payment of ground water abstraction/restoration charges, a penal interest @ 18% shall be charged.
28. The necessary compliance shall be submitted to the Authority on the web portal of the Authority i.e. www.hwra.org.in or on the email id compliance-hwra@hry.gov.in.
29. In case validity period of the CTE/CTO expires during currency period of the NOC, then it will be responsibility of the project proponent to get it renewed well in time & submit renewed CTE/CTO within month after renewal of CTE/CTO by HSPCB, to HWRA. If the CTE/CTO has been suspended or rejected, project proponent is required to intimate the same to HWRA within a week of such rejection or suspension.
30. Applicant to comply IS:10500:2012 standards before use of abstracted ground water for drinking & domestic purposes.
- 31.

Note: This is computer generated certificate, it can be validated by scanning QR code.



Note: This is computer generated certificate, it can be validated by scanning QR code.

ANNEXURE – VII
GRANT COPY OF HAZARDOUS WASTE
AUTHORIZATION

HARYANA STATE POLLUTION CONTROL BOARD

REGIONAL OFFICE, ROHTAK,

SCO-A- 6,7,8, FIRST FLOOR, SUNCITY COMMERCIAL COMPLEX, NEAR
VISHAL HOTEL, SEC. 36, ROHTAK- 124001

E-Mail: hspcbroroh@gmail.com, Web: hspcb.gov.in

No. HSPCB/ROH/2024/ 119

Dated: 6/5/2024

CORRIGENDUM

To

M/s Bharat Rasyan Ltd.,
Village Mokhra, Distt. Rohtak

Sub: Clarification & Amendment regarding details mentioned in the Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016 granted vide No. HWM/ROH/2024/27065815 Dated 10.04.2024.

Ref: Your request dt. 12.04.2024.

In this connection, it is intimated that Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016 granted vide No. HWM/ROH/2024/27065815 Dated 10.04.2024, by typographical mistake some details have been left or filled incorrect. The following correction/addition/deletions are required and the correct details pertaining to this are mentioned below:-

Sl. No.	Particulars	Detail mentioned in authorization under HOWM	Applicable details/Correction Required
13	Name of process and category of Hazardous Waste as per the Schedule 1, II and III of these rules	Production, and formulation of pesticides including stock-piles, process waste/residue	Spent Acid-Recyclable/Co-processing- 330 T/Annum

The details mentioned above may be read with the same terms and conditions mentioned in the authorization already been granted to your unit vide no. HWM/ROH/2024/27065815 Dated 10.04.2024.

6/5/24
Regional Officer
Rohtak Region
REGIONAL OFFICER
Haryana State Pollution Control Board
ROHTAK



Haryana State Pollution Control Board

Regional Office, Haryana State Pollution Control Board Rohtak, SCO No. A-6,
A-7 and A-8, First Floor, Sector- 36, Suncity Commercial Complex, Rohtak-
124001".Email:- hspcbroroh@gmail.com



No. :HWM/ROH/2024/27065815

DT: 10/04/2024

To

M/s BHARAT RASAYAN LIMITED
2KM STONE, MADINA MOKHRA ROAD, VILLAGE MOKHRA,
Rohtak

Sub: Grant of Authorization under Hazardous and Other Wastes(Management & Transboundry Movement) Rules, 2016

1. Reference of application:27065815 dated: 10/04/2024
2. KAMLESHWAR PRASAD UNIYAL of BHARAT RASAYAN LIMITED is hereby granted an authorization for generation, collection, storage, transportation, reception, treatment, disposal on the premises situated at 2KM STONE, MADINA MOKHRA ROAD, VILLAGE MOKHRA,

Details of Authorization

S.No.	Name of process and Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity
1	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Chemical sludge from waste water treatment	Landfillable	1693.9 T/Annum
2	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Chemical sludge from waste water treatment	Landfillable	757.57 T/Annum
3	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Chemical sludge from waste water treatment	Landfillable	993.5 T/Annum
4	Production, and formulation of pesticides including stock-piles, Date-expired and off-specification pesticides	Incinerable	10 T/Annum

5	Handling of Hazardous chemicals and wastes, Contaminated cotton rags or other cleaning materials	Incinerable	2 T/Annum
6	Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications, Used/spent oil	Recyclable	2.5 T/Annum
7	Handling of Hazardous chemicals and wastes, Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Recyclable	220 T/Annum
8	Production of asbestos or asbestos-containing materials, Asbestos-containing residues	Landfillable	4.2 T/Annum
9	Production, and formulation of pesticides including stock-piles, Process wastes/residues	SPENT CATALYST - Recyclable	20 T/Annum
10	Purification process for organic compounds/solvents, Spent carbon or filter medium	Incinerable/Co-processing	3 T/Annum
11	Production, and formulation of pesticides including stock-piles, Process wastes/residues	Incinerable/Co-processing	521 T/Annum
12	Production, and formulation of pesticides including stock-piles, Process wastes/residues	Spent Solvent - Recyclable/Incinerable	100 T/Annum
13	Production, and formulation of pesticides including stock-piles, Process wastes/residues	Spent Solvent - Recyclable/co-processing	330 T/Annum

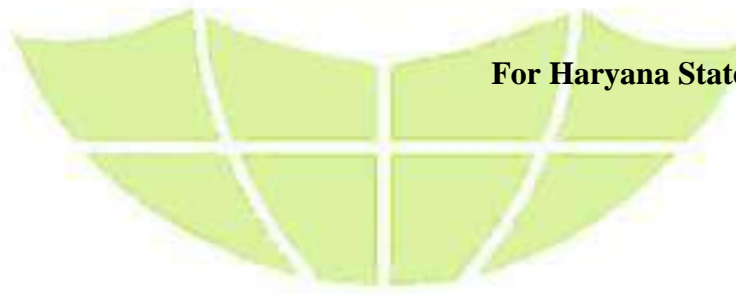
1. The authorization shall be valid for a period of 10/04/2024 to 30/09/2025
2. The authorization is subject to the following general and specific conditions :-

- (i) **1. The unit will submit the analysis reports of effluent/air emissions/noise, from all sources as applicable, before 30th June every year and will keep all parameters within standards prescribed under Environment (Protection) Rules, 1986. 2. The unit will submit the Annual Report under HWM Rules by 30th June and Environment Statement by 30th September every year. 3. Unit will apply for renewal of consent/Authorization at least 90 days before expiry date of the consent/Authorization. 4. The hazardous waste generated by the unit will be disposed off through authorized TSDF/recyclers/Refiners of hazardous waste. 5. Unit will comply with all the applicable Law/Acts/CPCB directions under the HWM, Rules 2016 issued from time to time. 6. Unit will submit Annual Return under HWM, Rules timely. 6. Unit will maintain the record of storage and sold out the waste/spent oil of DG sets and same will submit in board on yearly basis. 7. That the authorization under HWM rules so granted shall become invalid in case of violation of any of the above/any law of the land. 8. Unit will generate online manifest regarding lifting of Hazardous Waste. 9. Unit is directed to comply with all the conditions invoked in authorization granted, failing which authorization granted will be suspended/revoked.**

**Regional Officer Rohtak
For Haryana State Pollution Control Board**

Conditions of Authorization:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of this authorization.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. An application for the renewal of an authorization shall be made as laid down under these Rules.
8. Any other conditions for compliance as per the guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
9. Annual return shall be filed by June 30 th for the period ending 31 st March of the year.
10. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.



**Regional Officer Rohtak
For Haryana State Pollution Control Board**

ANNEXURE – VIII
ELECTRICITY BILL



Electricity Bill

Duplicate Bill



Report Generation Date:-11-04-2025 14:02:45
Generated By:- reportbo

0 8 3 4 0 1 1 0 0 0 5 8 7 3 3 8 4 1 5 0 4 2 0 2 5 5 0 5 8 0 6 0

Name: Bharat Resayan Ltd.		Account No: 0834011000	Net Payable Amount on or before Due Date (₹): 5873334.00
Address: Mohhna., HR, IND		Old Acct.No: 211310HLL3010188	Due Date: 15/04/2025
Circle: Rohtak		R.No: R01L503995	Sanctioned: 85326.00
Cycle/Group: GEHB/DTU		Issue Date: 04/04/2025	Gross Amount Payable After Due Date(₹): 506680.00
Division: Sub-Urban No.1 Rohtak		Bill No: 083401159518	
Sub-Division: R01-Kalanaur		Net Payable Amount in words: Fty Eight Lakh Seventy Three Thousand Three Hundred Thirty Four Rupees Only	

Meter and Read Details (* Latest MCD is shown in case of multiple MCD in one billing cycle)

Meter No.	Meter Reading Date		Period Days	MCD	Unit	Meter Reading		M.F.	Consumed Units	Billed Units	GR Status	Read Status	Mtr Sta
	Old	New				Old	New						
X125860	830202	04042025	32	1394.00	kWh	246272	246700	25	734660	734660	OK	OK	A
X125860	830202	04042025	32	0.00	kWh	2465144	2467824	25	730660	732660	OK	OK	A

Time of Day (TOD) Consumption (* only kWh TODs are displayed)

TOD	22-00-05:30	05:30-08:00	08:00-17:30	17:30-19:00	19:00-19:30	19:30-19:00	19:00-21:00	21:00-22:00
Previous	781913	252069	646046	59850	21329	52650	280700	105733
Current	790810	266021	660700	61443	82097	53607	212660	108759
Unit	289100	74440	281130	5929	17398	11460	62860	32480

Details of Meter Existing on Date of Reading

Meter No	Meter Make	MCD	Meter No	Meter Make
X125860	Secure Meter Ltd.		X125860	Secure Meter Ltd.
Meter CT Ratio	Meter PT Ratio	Meter MF	Date	Meter CT Ratio
1/1	1/1	1	11/03/2025	1/1
Line CT Ratio	Line PT Ratio	Over All MF	Effect On	Line CT Ratio
100%	1/1	20		1/1

Amounts outstanding for the financial year (₹)

Description	Previous	Current	Total (₹)	Latest Applicable Tariff	Tariff Category	HTS
SOP Charges	0.00	0.00	0.00	6.85	Supply Voltage(kV)	11.00 kV
P.S.A.	0.00	0.00	0.00		Metering Voltage(kV)	11.00kV
Surcharge	0.00	0.00	0.00		Sanctioned Load (kW)	1800.00
E. Duty	0.00	0.00	0.00		Contract Demand(kVA)	2000
M. Tax	0.00	0.00	0.00		Peak load exemption(kW)	20
Fixed Charges	0.00	0.00	0.00		Security Deposit	1027372.49
Gross Credit	0.00	0.00	0.00		DOC/DOE	27.00/198.11
Total Amount	0.00	0.00	0.00		Meter Ownership/Read Source	Nigam Meter/Nil

Details of charges for current cycle

Description	Amount (₹)	Description	Amount (₹)	Amount(₹)	Description	04/03/2025			
Fixed Charges/Pre-Cone FC	347177.6950.00	Current Cycle Charges	5874226.13	Receipt No	083401132505				
Energy Charges	4899488.00	Amount Outstanding Date	0.00	Receipt Date	11/03/2025				
Low Voltage Surcharge	0.00	Provisional Bill Adjustment	0.00	Mode of Payment	Payment via Internet				
Steel Furnace Surcharge	0.00	LPS Adjustment	0.00	Previous Consumption Pattern					
PPAS	364792.00	Adv. Security Deposit	0.00	Bill month	Units (kWh)	Units (kVAh)	MCD	Status	
TDS/TCS	-674.21/0.00	Am/Plan Energy chrg	0.00	Oct-2024	1004060	1006600	1738.4	OK	
PLE Charges	111840.00	Net Payable Amount On Or Before Due Date(₹)	5873334.00	Nov-2024	968250	1000405	1741.0	OK	
PLV Charges	0.00	Surcharge(₹)	95320.00	Dec-2024	808225	913225	1722	OK	
Penalty for exceeding the CD	0.00	Gross Amount Payable After Due Date(₹)	5898880.00	Jan-2025	689505	897425	1648.4	OK	
MSC/Green Energy Premium	0.00/0.00	Brief details of Sundry charges/allowances			Feb-2025	019900	019500	1342	OK
SL Chrg/ Concessional Tariff	0.00/0.00	TDS (TDS)		Mar-2025	013420	014960	1562	OK	
Electricity Duty	73380.00	Transfer Adjustment (-)		PAN / TAN : ****4127A /					
Municipal Tax / P Tax	111048.10	Transfer Adjustment (Being the amount of transfer adjustment from TDS/SA)		Date from which bill other than "On" is being issued:					
Total Current Cycle Charges(₹)	5874226.13			Reason:					

DD to be drawn in favour of: SDO R01-Kalanaur, UHBVN, KALANAUUR

Important information for consumers:

Payment of this bill can be made online by logging on the Website: www.upseb.org.in at any time and at office counter on all working days during working hours i.e. 09:00AM to 03:00PM.
This bill will be considered as a notice under section 56 of The Electricity Act 2003. Kindly pay the bill by due date. In case of default the connection is liable to be disconnected after 15 days of due date. *This is an interest security amount and interest on this security @ 6.75 % shall be paid for FY 2024-25. This bill does not confer any rights of ownership on the property where this connection exists. T&C shall apply.

Address and Telephone Number(s) of the authorities relating to consumers grievances

Grievance pertaining to this bill can be lodged with	Address & Telephone number(s) of the:	For all type of complaints call at:
SDO/OP/SD/Div UHBVN - R01-Kalanaur	Consumer Ombudsman/Redressal Forum Plat No.5/14-022, Industrial Area, Phase-4, Power Colony, Near Amaria, Panchkula (Opposite Sector-15, Panchkula).	1012 or 1800-180-1800 (Toll Fr)
	Ombudsman HERC, Sec-4, Bays No. 33-35, Panchkula, Haryana Email ID : ocr@upseb.org.in Contact No. :- 0172-2960341, 0172-2960343 WhatsApp No:- 0816901912	1900 180 2124 (Vigilance Toll Free)

ANNEXURE – IX
COPY OF FORM-V



BR/ENV/2023-2024
DATE: 02/08/2023

o/c

To,

Scientist-III (HQ)
Haryana State pollution Control Board,
C-11, Sector-6,
Panchkula - 134109

Sub: Submission of Environmental Statement for the yr.2023-2024

Dear Sir,

We are submitting of Environment Statement in form-V. (As per the Environment protection rule, 1986) duly filled & signed by us for the year 2023-2024, along with the all details data annexures in separate sheets attached with this letter.

We hope you will find the above in order and acknowledge the receipts.

Thanking you,

Yours faithfully

K.P. UNIYAL
Director (Operation)

ENCL/ A/A/

Cc to: The Regional Officer, HSPCB, Regional Office,
Kothi No.42-43 Sec-6, Bahadurgarh (Hr.)



ENCLOSURE-1

[FORM-V]
(See rule 14)

Environmental Statement for the financial year ending the 31/03/2023

PART-A

(I) Name and address of the owner/ occupier of the industry operation or process	Sh. K.P. Uniyal Bharat Rasayan Limited. VPO: Mokhra, Dist: Rohtak (Haryana)-124001
(II) Industry category Primary- (STC Code) Secondary- (SIC code)	SME
(III) Production capacity – Units	Annexure – I
(IV) Year of establishment	1989- 1990
(V) Date of the last environmental statement submitted.	Dated: 13/07/2022

PART –B

Water and Raw Material Consumption

Water consumption m³/d

Process	69.72 m ³ /day
Cooling & boiler	90.0 m ³ /day
Domestic & Gardening.	75.0 m ³ /day

Name of Products (List attached)	Process water consumption per unit of product output Annexure – II
------------------------------------	---

(i) Raw Material Consumption

See :- Annexures III

PART-C

Pollution discharged to environment/ unit of output

(Parameter as specified in the consent issued)

(i) Pollution	Quality of Pollutants Discharged (Mass/day)	Concentration of Pollutants discharges (mass/volume)	Percentage of variation from prescribed standards
a) Water	As per attached in Annexure – IV		
b) Air			

PART-D**HAZARDOUS WASTES**

(As specified under Hazardous Wastes/ Management and Handling Rules,1989)

Hazardous Waste generated	Total Qty (kg./day)		Method of disposal
	During Previous Year-2021-2022	During Current Year-2022-2023	
a) Process			
1) Residue From Distillation	1350.878 kg /day	1328.678 kg /day	For Incinerator GEPIL, Pali, Faridabad
2) Used Oil	7.333 kg/ day	7.121 kg /day	Sold to recycler – Shiv Oil Refinery – Kheri : Sampla
3) Cotton Waste, Gland Pkg. etc.	1.000 kg/day	0.727 kg /day	For Incinerator GEPIL, Pali, Faridabad
4) Glass Wool	3.212 kg /day	10.469 kg /day	Send to GEPIL , Pali for S.St
5) Drums	23.948 Nos/day	36.851 Nos. /day	Recycled for filling residue of distillation & Send to GEPIL , Pali for Incineration or Selling to authorized persons
6) Bags	81.4939 kg/day	81.4939 kg /day	Clean & filled with lime sludge
b) From Pollution Control Activities			
1) ETP-MEE sludge from Waste Water treatment Plant	4915.878 kg /day	4363.757 kg /day	Dispose off for land fill at GEPIL – Pali, Faridabad
2) ATFD sludge from ETP+ Sodium sulphite Byproduct	960.788 kg /day	971.015 kg /day	Dispose off for land fill at GEPIL – Pali, Faridabad
3) ATFD sludge from ETP+ Potassium chloride Byproduct	3457.752 kg /day	3602.996 kg /day	Dispose off for land fill at GEPIL – Pali, Faridabad
2) Activated Carbon	1.0909 kg /day	4.5303 kg /day	For Incinerator GEPIL, Pali, Faridabad

PART-E

Solid Waste generated	Total Qty (kg./day)		Method of disposal
	During Previous Yr. 2021-2022	During Current Yr. 2022- 2023	
a) Process NA			
b) From Pollution Control Activities			
ASH from boiler cyclone and ESP	1029.645 kg/day	1073.68 kg /day	Dispose off for land fill at GEPIL – Pali, Faridabad OR used for land filling for road making

PART-F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

The Characterization/ Composition of hazardous as well as solid wastes is given in in Form -4 Annexure - V

- 1- Waste oil send to recycler .
- 2- Part of empty drums used for recycling in filling of hazardous material generated in plant and send to TSDF site for incineration at GEIPL Pali , Faridabad. remaining drums sold to authorized recycler after cleaning.
- 3- ETP-MEE sludge send , ATFD sludge from MEE concentrate , from sodium sulphite by product, from potassium chloride byproduct, activated carbon, galnd packing ,Epty barrels/ bags,cotton waste, glasswool , boiler ash and process distillation residue sent to TSDF site , at GEIPL Pali , Faridabad for land fill and incineration.

PART- G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

a) Better Pollution control measurement & continuous process monitoring resulted in better working environment thus in turn improved productivity.

b) Continuous monitoring of scrubber to control the emissions in to the environment ,Therefore reduction in corrosive environment .This reduces painting cost and im proves the life of structure.

For **BHARAT RASAYAN LTD.**

(Authorized Signatory)

c) **Occupational Health and Safety Improvement:** Training is given to all staff at site. OHC managed by full time doctor and very senior physician (M.D) is visiting at site every week for review the EHS impact.

d) Lower effluent load resulted in saving of energy & treatment cost.

e) **Green Belt Development:** Developed green belt in 16068 m² area and last year 500 plants are also planted.

f) **Establishment of Analysis:** Qualified officers carry out analysis in fully developed laboratory. On line monitoring of effluent and boiler stack has been monitored by the competent person. Apart from the above as per guide line of HSPCB monitoring and analysis is also being carried out by approved 3rd party on quarterly basis.

PART-II

Installed Effluent Treatment Plant comprises of :-

- a) Oil & Grease trap.
- b) Primary treatment.
- c) Flocculation, Sludge Drying Bed, Centrifuge and filter press.
- d) Multi Effect Evaporation (MEE) and ATFD.
- e) Bio-Reactor .
- f) Clarifier & tertiary treatment :
- g) RO for MEE distillate water & STP treated water.

The above equipments have been operated with skilled manpower. Online monitoring of effluent/boiler stack has given a thrust to keep the environment protection under control.

The approach of reduce recycle & re-use has been adopted to control the Environment.

STP treated water again taken back to biological system for further reuse in the plant.

PART-I

Any other particulars for improving the quality of the environment.

1) Training program for doing safe operation is given to all operating staff to avoid any damage to environment.

1. Proper preventive maintenance will be ensured to maintain and ensure correct and effective, uninterrupted functioning of Scrubbers & other pollution control equipments.
2. Training to operators are being given for correct operation of Equipments for abatement of Air Pollution and also Effluent Treatment plant.
3. Training program for doing safe operation is given to all operating staff to avoid any damage to environment.

For **BHARAT RASAYAN LTD.**

(Authorised Signatory)

4. Quality Management System ISO – 9001-2015, Occupational Health & Safety Management System Standards 45001:2018 & Environmental Management System ISO 14001 : 2015, keep the thrust on team to maintain the environment norms within limits.

1. **Methods of waste Reduction**:- Continuous process improvement through in House R&D and subsequently implementation in plant through recycle the washings and for minimization of the waste.
2. Mass balance indicating raw material, products, Solid, liquid and gaseous. (Enclosed)
3. Environmental sound layout.
4. **Maintain of Ecological balance by compensatory methods**

Tree plantation

<u>Name of species</u>	<u>No. of Plants.</u>	<u>Age of Plant</u>
a) TOTAL PLANT planted	: 6000	-
b) Plan for future tree plantation:	: 500	
c) Utilization of organic waste for manure	: Nil.	
d) Utilization of Bio- Pesticides for horticulture	: Nil	

For BHARAT RASAYAN LTD.


(Authorised Signatory)

(Authorised Signatory)

ANNEXURE – X
COPY OF PESO CERTIFICATE



भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)

Petroleum & Explosives Safety Organisation (PESO)

हाल संख्या 502 एवं 507, लेवल-5, ब्लॉक II, पुराना सी.जी.ओ. कॉम्प्लेक्स, एन.एच.4

फरीदाबाद- 121001

Hall No. 502 & 507, Level 5, Block B,

Old CGO Complex, NH-4,

Faridabad - 121001

E-mail : jtccefaridabad@explosives.gov.in

Phone/Fax No : 0129 - 2410734, 2410732

संख्या /No. : P/HQ/HN/15/329 (P2886)

दिनांक /Dated : 02/01/2024

सेवा में
/To,

M/s. Bharat Rasayan Limited,
2 km stone, Madina - Mokhra road,
Vill. MOKHRA,
Rohtak,
Taluka: Maham,
District: ROHTAK,
State: Haryana
PIN: 124022

विषय /Sub : Plot No, VILL. MOKHRA, Village Mokhra, NA, Maham, Taluka: Maham, District: ROHTAK, State: Haryana, PIN: 124220 में स्थित
विद्यमान पेट्रोलियम वर्ग A,B अधिष्ठापन में अनुज्ञप्ति सं P/HQ/HN/15/329 (P2886) के नवीकरण के संदर्भ में ।
Existing Petroleum Class A,B Installation at Plot No, VILL. MOKHRA, Village Mokhra, NA, Maham, Taluka: Maham, District:
ROHTAK, State: Haryana, PIN: 124220 - Licence No. P/HQ/HN/15/329 (P2886) - Renewal regarding.

महोदय
/Sir(s),

कृपया आपके पत्र क्रमांक OIN1504369 दिनांक 31/10/2023 का अवलोकन करें ।

Please refer to your letter No.: OIN1504369, dated 31/10/2023

अनुज्ञप्ति संख्या P/HQ/HN/15/329 (P2886) दिनांक 18/12/2009 को दिनांक 31/12/2026 तक नवीनीकृत कर इस पत्र के साथ अग्रपिठ की जा रही है ।
Licence No. P/HQ/HN/15/329 (P2886) dated 18/12/2009 is forwarded herewith duly renewed upto 31/12/2026.

कृपया पेट्रोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कडाई से पालन करें । अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व Jt. Chief Controller of Explosives, North Circle, Faridabad कार्यालय को प्रेषित करें ।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence to Jt. Chief Controller of Explosives, North Circle, Faridabad, so as to reach his office on or before the date on which Licence expires.

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

((कुंवर पाल सिंह)
(Kunwar Pal Singh))
उप विस्फोटक नियंत्रक
Dy. Controller of Explosives
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
फरीदाबाद/Faridabad

Note:-This is system generated document does not require signature.

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)

(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

प्ररूप XV
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)
FORM XV
(see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोलियम के आयात और भंडारकरण के लिए अनुज्ञप्ति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुज्ञप्ति सं. (Licence No.) : P/HQ/HN/15/329(P2886)

फीस रूपए (Fee Rs.) 17100/- per year

M/s. Bharat Rasayan Limited, 2 km stone, Madina - Mokhra road, Vill. MOKHRA, Rohtak, Taluka: Maham, District: ROHTAK, State: Haryana, PIN: 124022 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम 242.00 KL आयात करने के लिए और उसका, नीचे वर्णित और अनुमोदित नक्शा संख्या P/HQ/HN/15/329(P2886) तारीख 11/01/2017 जो कि इससे उपाबद्ध हैं, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुज्ञप्ति अनुदत्त की जाती है।

Licence is hereby granted to M/s. Bharat Rasayan Limited, 2 km stone, Madina - Mokhra road, Vill. MOKHRA, Rohtak, Taluka: Maham, District: ROHTAK, State: Haryana, PIN: 124022 valid only for the importation and storage of 242.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/HQ/HN/15/329(P2886) dated 11/01/2017 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुज्ञप्ति 31st day of December 2026 तक प्रवृत्त रहेगी।
The Licence shall remain in force till the 31st day of December 2026

पेट्रोलियम का विवरण /Description of Petroleum	अनुज्ञप्त मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	162.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	80.00 KL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	242.00 KL

March 11, 1991

Chief Controller of Explosives

- 1). Amendment dated - 25/08/2006
- 2). Amendment dated - 18/12/2009

अनुज्ञप्त परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टां संलग्न अनुमोदित नक्शों में दिखाई गई हैं Plot No: VILL. MOKHRA, Village Mokhra, NA, Maham, Taluka: Maham, District: ROHTAK, State: Haryana, PIN: 124220 स्थान पर अवस्थित है तथा उसमें निम्नलिखित Six nos. of underground tanks for Class A and three nos. of underground tanks for Class B together with connected facilities. सम्मिलित हैं।

The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: VILL. MOKHRA, Village Mokhra, NA, Maham, Taluka: Maham, District: ROHTAK, State: Haryana, PIN: 124220 and consists of Six nos. of underground tanks for Class A and three nos. of underground tanks for Class B together with connected facilities. together with connected facilities.

Note:-This is system generated document does not require signature.

अनुज्ञप्ति संख्या-(Licence No.) P/HQ/HN/15/329 (P2886)

नवीनीकरण के पृष्ठांकन के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति फ़िस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी। This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.	नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature and office stamp of the licencing authority.
1).	21/11/2008	31/12/2011	Sd/- Vinod Kumar
2).	08/11/2011	31/12/2014	Sd/- G K Pandey
3).	23/12/2014	31/12/2017	Sd/- DR SANJAY KUMAR SINGH Dy. Chief Controller of Explosives For Jt. Chief Controller of Explosives Faridabad
4).	08/11/2017	31/12/2020	Sd/- R.N.Meena Jt. Chief Controller of Explosives Faridabad
5).	11/11/2020	31/12/2023	Sd/- R.N.Meena Jt. Chief Controller of Explosives Faridabad
6).	02/01/2024	31/12/2026	Kunwar Pal Singh Dy. Controller of Explosives For Jt. Chief Controller of Explosives Faridabad

यदि अनुज्ञप्ति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुज्ञप्ति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुज्ञप्ति रद्द की जा सकती है और अनुज्ञप्तिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चातवर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

Note:-This is system generated document does not require signature.

ANNEXURE – XI
COPY OF ADVERTISEMENT GIVEN IN NEWSPAPERS

24/11/2023

Public Notice

M/s Bharat Rasayan Ltd, is pleased to inform that the Proposed change in the product mix of the Existing Pesticides unit (production capacity-4260 TPA) and By-Products (23541.05 TPA to 23427.02 TPA) located at Plot Nos. 77, 331, 280/1, 258, 216, 250, 310 & 70 at 2 KM Stone, Madina-Mokhara Road, Village Mokhra, Tehsil Meham, Dist. Rohtak, Haryana had been accorded with Environmental Clearance vide EC identification No. EC23A2002HR5281857N dated 15/11/2023 from the Ministry of Environment, Forest and Climate Change.

The copies of the clearance letters are available with Ministry of Environment, Forest and Climate Change and can also be seen on their website

<http://environmentclearance.nic.in>

and on our website

www.bharatgroup.co.in

Sd/-

Kamleshwar Prasad Uniyal

(Director Operations)

Bharat Rasayan Limited, Mokhra

(Rohtak)

banned drugs

YAMUNANAGAR, NOVEMBER 23
A team of the anti-narcotics cell of the Yamunanagar police has seized 20,400 capsules (tramadol) and 500 injections (panzin) of banned drugs and arrested one person in this connection.

Police spokesman Chamkaur Singh said the arrested person was identified as Manpreet Singh alias Lakki of Saha town in Ambala district.

The suspect was produced in a Jagadhri court which remanded him in two-day police custody, he added.

Following a tip-off, a team of the anti-narcotics cell arrested a person from Kartar Pura Colony of Yamunanagar, said DSP Rajesh Kumar. —TNS

TRIBUNE NEWS SERVICE

KURUKSHETRA, NOVEMBER 23
Aiming to increase public participation in the International Gita Mahotsav celebrations here, the Kurukshetra Development Board (KDB) has started holding ward-wise meetings to invite residents for the mahotsav, urging them to celebrate it on a large scale like Diwali.

A KDB official said, "Usual-

ly, meetings will be social and religious events in the city mahotsav. How board has started upon local residents to celebrate the mahotsav at ward levels. The International Gita Mahotsav celebrated from Dec 1 to 24 in Kurukshetra. KDB Honorary said, "The celebr-



24/11/2023

सतर्कता बरते

मंत्रि ने कहा कि गैर बैंकिंग प्रकृतियों (एनबीएफसी) लघु वित्त बैंकों को भारतीय बैंक के सुझाव के अनुरूप देते समय सतर्क रहने की आवश्यकता है। उन्होंने आग्रह किया कि एनबीएफसी और छोटे वित्त बैंकों को सीमा रेखा का सम्मान करना चाहिए और अतिउत्साहित नहीं दिखाना चाहिए।

ग्रेटे बैंक सीमा रेखा की पहचान करें

मंत्रि ने कहा, 'उत्साह अच्छा है, लेकिन कभी-कभी ग्रेटे बैंकों के लिए इसे पहचानना थोड़ा मुश्किल हो जाता है। इसलिए सावधानी के तौर पर आरबीआई के सुझावों को सचेत किया है कि वे इस बात को लेकर सावधान रहें कि इतनी जल्दी से आगे न बढ़ें कि उन्हें बाद में किसी नकारात्मक पहलू का सामना करना पड़े। भारतीय रिजर्व बैंक के गवर्नर शक्तिकांत दास ने बुधवार को कहा था कि वित्तीय स्थिरता सुनिश्चित करने के लिए इस महोत्सव की शुरुआत में असुरक्षित ऋणों पर केंद्रीय बैंक ने सख्त रुख अपनाया है।

बैंकों को सीमा रेखा का सम्मान करना चाहिए और अतिउत्साहित नहीं दिखाना चाहिए।

मंत्रि ने कहा, "उत्साह अच्छा है, लेकिन कभी-कभी लोगों के लिए इसे पहचानना थोड़ा मुश्किल हो जाता है। इसलिए सावधानी के तौर पर आरबीआई ने छोटे वित्त बैंकों, एनबीएफसी को सचेत किया है कि वे इस बात को लेकर सावधान रहें कि इतनी तेजी से आगे न बढ़ें कि उन्हें बाद में किसी नकारात्मक पहलू का सामना करना पड़े। भारतीय रिजर्व बैंक के गवर्नर शक्तिकांत दास ने बुधवार को कहा था कि वित्तीय स्थिरता सुनिश्चित करने के लिए इस महोत्सव की शुरुआत में असुरक्षित ऋणों पर केंद्रीय बैंक ने सख्त रुख अपनाया है।

R/o: Choudhari Wada, Chalisgaon Taluka Chalisgaon, Dist. Jalgaon (Maharashtra)

V/s
2) M/S Trans Kargo India OFFICER
1st floor, Secor No. 65, in front of Nehru College, Sector 16-a, Faridabad, Haryana. (Owner of Truck No. HR-38-AB-8101)

Claim 3,00,000/- Claim Petition No: 160/2023 Vimalbai Devidas Amrutkar -APPLICANT

R/o: Wani Gali, Mehurbare, Taluka - Chalisgaon, Dist. Jalgaon (Maharashtra)

V/s
2) M/S Trans Kargo India OFFICER
1st floor, Secor No. 65, in front of Nehru College, Sector 16-a, Faridabad, Haryana. (Owner of Truck No. HR-38-AB-8101)

Whereas the applicant has filed an application to get compensation U/S 166 of the Motor Vehicle Act, 1988 against you No 2 But you No. 2 deliberately avoided taking notices of the Tribunal.

Therefore, you are informed by this Legal Public Notice that you No. 2 yourself or through your advocate without fail shall remain present before Accident Claims Tribunal, Dhule, Dist. Dhule, (Maharashtra) on 18/01/2024 at about 10:30 a.m. If you failed to appear on this date, Tribunal will proceed ex-parte on the presumption that you have no contention to make against the award of compensation. Given under my hand & seal of the Tribunal this 07th November day of 2023

Jr. Clerk. Superintendent Dist. Court, Dhule

(Stamp) Superintendent Dist. Court, Dhule

जन सूचना

मेस्सर्स भारत रसायन लिमिटेड, यह सुचित करता है कि मौजूदा कीटनाशक इकाई (उत्पादन क्षमता - 4260 टीपीए) और सांघर्षिक उत्पादों (23541.05 टीपीए से 23427.02 टीपीए तक) के उत्पाद का प्रस्तावित मिश्रण में परिवर्तन, जो मदीना-मोखरा रोड, गाँव मोखरा, तहसील मेहम, जिला रोहतक, हरियाणा के प्लॉट नंबर 77, 331, 280/1, 258, 216, 250, 310 और 70 पर स्थित है, को पर्यावरण स्वीकृति प्राप्त हुई है (पर्यावरण स्वीकृति पहचान संख्या EC23A2002H5281857N, दिनांक 15/11/2023) पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय से।

स्वीकृति पत्रों की प्रतियां पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय के साथ उपलब्ध हैं और इन्हें उनकी वेबसाइट <http://environmentclearance.nic.in> और हमारी वेबसाइट www.bharatgroup.co.in पर देखा जा सकता है।

Sd/- Kamleshwar Prasad Uniyal (Director Operations) Bharat Rasayan Limited, Mokhra (Rohtak)

Sd/- Kamleshwar Prasad Uniyal (Director Operations) Bharat Rasayan Limited, Mokhra (Rohtak)

K.D. DEGREE COLLEGE

ANNEXURE – XII
CSR DETAILS

Details of CSR Activities 2022-2025

S. No.	Particulars	Activity	FY			Total Amount (Rs.)
			2022-2023	2023-2024	2024-2025	
1.	Green Belt	Land Filling	562150	182907	167750	912807
	Landscape Development	Park Management	-	963092	200002	1163094
2.	School Development	Shed in Mokhra Girl Sr. Sec School	345172	-	-	345172
		Battery + UPS in Govt. Middle School, Mokhra	35483	-	-	35483
		Shed in Govt. Middle School, Mokhra	240131	-	-	240131
3.	Hospital Development	Water Tank in Hospital	-	-	9152	9152
4.	Other Social Activities	Shri Krishan Guashala	101000	101000	111000	313000
		Right to Life Foundation, Jhajjar	200000	-	-	200000
		District Vyapar Mela	-	50000	-	50000
		Haryana Olympic Association	-	125000	-	125000
		Prize Money to Nitika (winner in games)	-	21000	-	21000
		06 No. of Fan for CHC Madina	-	-	12156	12156
		PHC Mokhra Water and Tank Job	-	-	82039	82039
Total			14,83,936	14,42,999	5,82,099	35,09,034

ANNEXURE – XIII
CONDUCTED TRAINING DETAILS OF WORKERS FOR SAFE
HANDLING OF CHEMICALS

Shift - A



ANNEXURE-II TRAINING ATTENDANCE RECORD

Subject: Phosine Safety Date: 28/11/2024

Faculty: Mr. S.K. Jha / Mr. Pasant. K. Duration: 15 Min. Hrs.

Venue: Plant (A + B)

Training Type	(Tick "√", whichever is applicable)			
	(1) On Job training	<input checked="" type="checkbox"/>	(2) As per training schedule	<input type="checkbox"/>
	(3) Training need identification	<input type="checkbox"/>	(4) Training from external agencies	<input type="checkbox"/>
	(5) Training on GMP, GLP, GDP Safety, Motivation	<input type="checkbox"/>	(6) Training on new Documentation	<input type="checkbox"/>
	(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training	<input type="checkbox"/>
	(9) ISO	<input type="checkbox"/>	(10) Others	<input type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Sobit Kumar	868	Prod ⁿ	[Signature]
02	Akash Kumar	1061	"	[Signature]
03	Vinay Kr. Srivastava	721	4	[Signature]
04	Rahul	1023	"	[Signature]
05	Aaryan Baghel	1139	"	[Signature]
06	Tanuchand	1072	"	[Signature]
07	Anung Mishra	689	"	[Signature]
08	Chander Singh Babbar	908	"	[Signature]
09	Vivek	1134	"	[Signature]
10	Armit Kumar	1074	"	[Signature]
11	Ashu	801	"	[Signature]
12	M. M. Uddin	80	"	[Signature]
13	rohan	860	"	[Signature]
1				

Sign. of Faculty: [Signature]

Date: 28/11/24

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

ANNEXURE-II
TRAINING ATTENDANCE RECORD

A/C
01/06/2024

Subject: Chlorine Safety Date: 20/11/2024

Faculty: Sanjay Kumar Singh & Vijay Kumar Duration: 15 min. Hrs.

Venue: Safety Training

Training Type	(Tick "√", whichever is applicable)	
	(1) On Job training <input checked="" type="checkbox"/>	(2) As per training schedule <input type="checkbox"/>
	(3) Training need identification <input type="checkbox"/>	(4) Training from external agencies <input type="checkbox"/>
	(5) Training on GMP, GLP, GDP Safety, Motivation <input type="checkbox"/>	(6) Training on new Documentation <input type="checkbox"/>
	(7) Training on SOP <input type="checkbox"/>	(8) Incident based training <input type="checkbox"/>
	(9) ISO <input type="checkbox"/>	(10) Others <input type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Sher Singh	984	Production	<i>[Signature]</i>
02	Satish K.	1150	Production	<i>[Signature]</i>
03	ASHISH	716	" "	<i>[Signature]</i>
04	Sumit Singh	1197	" "	<i>[Signature]</i>
05	MCSIN	1355	" "	<i>[Signature]</i>
06	Rachin Kumar	1005	" "	<i>[Signature]</i>
07	Sumit	482	" "	<i>[Signature]</i>
08				

Sign. of Faculty : *[Signature]*

Date : 20/11/2024



ANNEXURE-II

TRAINING ATTENDANCE RECORD

Subject: Manual Handling of Hazardous chemical Date: 26/11/24

Faculty: Malaxmi Niwasth, Mr. Vinit Kumar Duration: 15 min Hrs.

Venue: Plant A+B Shift - B

Training Type	(Tick "√", whichever is applicable)	
	(1) On Job training <input checked="" type="checkbox"/>	(2) As per training schedule <input type="checkbox"/>
	(3) Training need identification <input type="checkbox"/>	(4) Training from external agencies <input type="checkbox"/>
	(5) Training on GMP, GLP, GDP Safety, Motivation <input type="checkbox"/>	(6) Training on new Documentation <input type="checkbox"/>
	(7) Training on SOP <input type="checkbox"/>	(8) Incident based training <input type="checkbox"/>
	(9) ISO <input type="checkbox"/>	(10) Others <input type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Chander Shekhar Patel	900	Prod	[Signature]
02	Katappa Simsb	750	U	[Signature]
03	Vipin	1098	U	[Signature]
4	Sumit	765	U	[Signature]
05	Rajil Kumar	810	U	[Signature]
06	Satyajeev	1025	U	[Signature]
07	Mannahero Singh	67	"	[Signature]
8	Naveen Kumar	1130	U	[Signature]

Sign. of Faculty: [Signature]

Date: 26/11/2024

Shift - B

ANNEXURE-II

TRAINING ATTENDANCE RECORD

CONF. FILED
A
26/11/24

Subject : Manual Handling of Hazardous Chemical Date : 26/11/24

Faculty : Satender Yadav / Manender Singh Duration : 1.5 M Hrs.

Venue : Safety Training

Training Type	(Tick "√", whichever is applicable)	
(1) On Job training	<input checked="" type="checkbox"/>	(2) As per training schedule
(3) Training need identification	<input type="checkbox"/>	(4) Training from external agencies
(5) Training on GMP, GLP, GDP Safety, Motivation	<input type="checkbox"/>	(6) Training on new Documentation
(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training
(9) ISO	<input type="checkbox"/>	(10) Others

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Rajkumar	934	Production	Rajkumar
02	Sankhulam	866	Production	Sankhulam
03	Bhubendra Kumar	1131	PRODUCTION	B. Kumar
04	Sumit Singh	1143	"	Singh
05	Ramesh Chandra	605	"	Chandra
06	R.P.K. Kumar	1146	Production	Kumar

Sign. of Faculty : *Satender Yadav*
Date : 26/11/24

51

A-24
29/12/2024

ANNEXURE-II
TRAINING ATTENDANCE RECORD

Subject: Automation Date: 19/12/2024

Faculty: Vinod Kumar Duration: 1:00 Hrs.

Venue: Conference Room (111)

Training Type	(Tick "√", whichever is applicable)		
	(1) On Job training	[]	(2) As per training schedule
(3) Training need identification	[]	(4) Training from external agencies	[]
(5) Training on GMP, GLP, GDP Safety, Motivation	[]	(6) Training on new Documentation	[]
(7) Training on SOP	[]	(8) Incident based training	[]
(9) ISO	[]	(10) Others	[]

Evaluation: Written Questionnaire [] Oral []

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Mosin	055	Production	
02	Shivam Kumar	1153	Production	
03	Ritik Kumar	1075	Production	
04	Vivek	1134	Production	
05	Anshu Baghel	1139	"	
06	Abhishek Kumar Singh	1154	"	
07	Kashisham	1148	"	
08	Amit Kumar	0801	Production	
09	ASHISH	0716	"	
10	Sumit Singh	1191	"	

Sign. of Faculty:

Date: 19/12/2024

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

Annexure-II

TRAINING ATTENDANCE RECORD

Approved
10/01/2025

Subject: Loading & unloading of materialDate: 10/01/2025Faculty: Rahul GoswamiDuration: 30 MIN Hrs.Venue: R.M. Store

Training Type	(Tick "✓", whichever is applicable)		
	(1) On Job training	<input checked="" type="checkbox"/>	(2) As per training schedule
(2) Training need identification	<input type="checkbox"/>	(4) Training from external agencies	<input type="checkbox"/>
(5) Training on GMP, GLP, GDP Safety, motivation,	<input type="checkbox"/>	(6) Training on new Documentation	<input type="checkbox"/>
(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training	<input checked="" type="checkbox"/>
(9) ISO	<input type="checkbox"/>	(10) Others	<input checked="" type="checkbox"/>

Evaluation : Written Questionnaire Oral

No.	Employee's Name	Employee's Code	Department	Employee's Signature
1	Navan	4078	R.M. Store	[Signature]
2	Rayesh	4006	"	[Signature]
3	Ashok	5225	"	[Signature]
4	Nitin	7416	"	[Signature]
5	Sunder	4019	"	[Signature]
	Sandeep	5262	"	[Signature]
	Rahul	4972	"	[Signature]
	Mohan	5324	"	[Signature]
	Mohit	5212	"	[Signature]
	Sonil	7399	"	[Signature]
	Sanjay	4046	"	[Signature]
	Tajveer	5249	"	[Signature]
	O.P. Yadav	041	"	[Signature]
	Amit	Unit-Driver	"	[Signature]

Signature of the Faculty: RahulDate: 10/01/2025

ANNEXURE-II

TRAINING ATTENDANCE RECORD

CONTROLLED COPY
 10/01/2025

Shift B

Subject: Importance of MSDS Date: 21/01/25

Faculty: Mr. Laxmi Mohan Sharma & Mr. Dhanendra Duration: 15 min Hrs.

Venue: Plant (A+B)

Training Type	(Tick "√", whichever is applicable)	
	(1) On Job training <input checked="" type="checkbox"/> (3) Training need identification <input type="checkbox"/> (5) Training on GMP, GLP, GDP Safety, Motivation <input type="checkbox"/> (7) Training on SOP <input type="checkbox"/> (9) ISO <input type="checkbox"/>	(2) As per training schedule <input type="checkbox"/> (4) Training from external agencies <input type="checkbox"/> (6) Training on new Documentation <input type="checkbox"/> (8) Incident based training <input type="checkbox"/> (10) Others <input type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01.	<u>Rahul</u>	<u>1023</u>	<u>Production</u>	<u>Rahul</u>
02.	<u>Suneeel Kumar</u>	<u>158</u>	<u>" "</u>	<u>S. Kumar</u>
03.	<u>Jitendra Kumar</u>	<u>745</u>	<u>" "</u>	<u>J. Kumar</u>
04.	<u>Mohit As</u>	<u>660</u>	<u>" "</u>	<u>M. As</u>
05.	<u>Prakash Tal</u>	<u>111</u>	<u>Production</u>	<u>P. Tal</u>
06.	<u>Vivek</u>	<u>1134</u>	<u>" "</u>	<u>Vivek</u>

Sign. of Faculty: [Signature]

Date: 21/01/25

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

ANNEXURE-II
TRAINING ATTENDANCE RECORD

CONTROLLED FILE
Amicus
10/01/2025

Subject: Importance of MSDS Date: 20/10/25
 Faculty: Mr. Kalon Singh, Mr. Laxmi Niwasth Duration: 15 min Hrs.
 Venue: Plant (A+B)

Training Type	(Tick "√", whichever is applicable)	
	(1) On Job training <input checked="" type="checkbox"/> (3) Training need identification <input type="checkbox"/> (5) Training on GMP, GLP, GDP Safety, Motivation <input type="checkbox"/> (7) Training on SOP <input type="checkbox"/> (9) ISO <input type="checkbox"/>	(2) As per training schedule <input type="checkbox"/> (4) Training from external agencies <input type="checkbox"/> (6) Training on new Documentation <input type="checkbox"/> (8) Incident based training <input type="checkbox"/> (10) Others <input type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Ritesh Kumar Mishra	711	production	
02	Mohammad Singh	513	"	
03	Kalon Singh	750	"	
04	Sumit	765	"	
05	Daraj Singh	673	"	
06	Chandigarh Singh	700	"	
07	Vishal	1098	"	
08	Munish Kumar	887	"	
09	Anand Kumar	1130	"	
10	Satyam Verma	1025	"	
11	Mannan Singh	672	"	

Sign. of Faculty :

Date : 20/10/25



ANNEXURE-II

TRAINING ATTENDANCE RECORD

Subject: Safe handling of Chemical Date: 22.01.2025

Faculty: A. L. G. Duration: 0.5 Hrs.

Venue: Plant - A/B

Table with Training Type and checkboxes for various training methods like On Job training, Safety, Motivation, etc.

Evaluation: Written Questionnaire [] Oral [x]

Main table with columns: Sr.No., Employee's Name, Employee's Code, Department, Employee's Signature. Contains 11 rows of employee data.

Sign. of Faculty: [Signature] Date: [Signature]

ANNEXURE-II

TRAINING ATTENDANCE RECORDA-1
10/01/25Subject: Chemical Tankers Safety Date: 01/02/25Faculty: Mrs. Lata Sharma / Prakashant Duration: 15 min Hrs.Venue: Plant (A+B)

Training Type	(Tick "✓" whichever is applicable)			
	(1) On job training	<input checked="" type="checkbox"/>	(2) As per training schedule	<input type="checkbox"/>
(3) Training need identification	<input type="checkbox"/>	(4) Training from external agencies	<input type="checkbox"/>	
(5) Training on GMP, GLP, GDP Safety, Motivation	<input type="checkbox"/>	(6) Training on new Documentation	<input type="checkbox"/>	
(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training	<input type="checkbox"/>	
(9) ISO	<input type="checkbox"/>	(10) Others	<input type="checkbox"/>	

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Tanachand	1072	Production	
02	Anun	204	"	
03	Vinod Kumar	842	"	
04	Akash Kumar	1061	"	
05	Amit Kumar	0801	Production	
06	Manish Kumar	620	"	
07	Sudhir Tom	907	"	
09	Ashwan	1139	"	
9	Mahmoud myn	620	"	
10	Suresh Singh	182	4	
11	Kashinath	1148	12	
12	Pradeep Saha	1135	"	
13	Jitendra K. Rai	1150	"	
14	Yashwan Singh	914	"	
15	Pravish Kumar	1055	"	
16	Yashwan Singh	914	"	

Sign. of Faculty :

Date : 01/02/25

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

ANNEXURE-II

TRAINING ATTENDANCE RECORD

Atul
10/01/2025

Subject: Importance of Labeling Date: 01/02/2025

Faculty: Ms. Satyaketu / Rohanbeer Duration: 1.5 Mths

Venue: Safety Training

Training Type	(Tick "v" whichever is applicable)			
	(1) On job training	[]	(2) As per training schedule	[]
	(3) Training need identification	[]	(4) Training from external agencies	[]
	(5) Training on GMP, GLP, GDP	[]	(6) Training on new Documentation	[]
	Safety, Motivation	[]		[]
	(7) Training on SOP	[]	(8) Incident based training	[]
	(9) ISO	[]	(10) Others	[]

Evaluation : Written Questionnaire [] Oral []

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
1	Atul	902	Production	<i>Atul</i>
2	Harvindra Singh	1019	Production	<i>HSingh</i>
3	J. SINGH	213	Production	<i>J.Singh</i>
04	Ramesh Chandra	605	Production	<i>Ramesh</i>
05	Prakash Kumar yadav	365	production	<i>Prakash</i>
06	Sohanwar	836	"	<i>Sohanwar</i>
07	Nigay Krishna Mishra	726	"	<i>Nigay</i>
08	Ritik Kumar	1146	"	<i>Ritik</i>

Sign of Faculty : *Rohanbeer*
Date : 01/02/2025

ANNEXURE-II

TRAINING ATTENDANCE RECORD

10/01/2025

Subject: Hazardous material Date: 06/02/25

Faculty: Satya Kefy / Sohanbeer Duration: 1.5 Mins Hrs.

Venue: Safety Training Plant-C 1st floor.

Training Type	(Tick "✓" whichever is applicable)	
	(1) On job training	<input checked="" type="checkbox"/>
(3) Training need identification	<input type="checkbox"/>	(4) Training from external agencies <input type="checkbox"/>
(5) Training on GMP, GLP, GDP Safety, Motivation	<input type="checkbox"/>	(6) Training on new Documentation <input type="checkbox"/>
(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training <input type="checkbox"/>
(9) ISO	<input type="checkbox"/>	(10) Others <input type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Sumit Chauhan	884	Production	[Signature]
02	Akshay Chauhan	732	Production	[Signature]
03	Soham	836	"	[Signature]
04	Amant Kumar	1109	"	[Signature]
05	Amish Srivastava	1141	"	[Signature]
06	Ramesh Chandra	605	"	[Signature]
07	Aravind Kumar	891	"	[Signature]
08	Dharmraj Kumar	835	"	[Signature]

Sign of Faculty : [Signature]

Date : 06/02/2025

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

ANNEXURE-II

Shift-B

TRAINING ATTENDANCE RECORD

A.ite
10/01/2025

Subject: Toxic material Date: 24/02/25

Faculty: Mr. Amit Dixit & Mr. Prashant Duration: 15 mint Hrs.

Venue: plant A+B

Training: Type	(Tick "v" whichever is applicable)		
	(1) On job training	<input checked="" type="checkbox"/>	(2) As per training schedule
(3) Training need identification	<input type="checkbox"/>	(4) Training from external agencies	<input type="checkbox"/>
(5) Training on GMP, GLP, GDP Safety, Motivation	<input type="checkbox"/>	(6) Training on new Documentation	<input type="checkbox"/>
(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training	<input type="checkbox"/>
(9) ISO	<input type="checkbox"/>	(10) Others	<input type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Ranjee	1018	production	Ranjee
02	Dipanshu Chauhan	1003	"	Dipanshu
03	Rohit	1076	Production	Rohit
04	Vakans Gupta	1160	Production	Vakans
05	Mukul Prakash	1133	"	Mukul
06	Hitesh	723	"	Hitesh
07	Vishal	913	"	Vishal
08	Ram Nilas Yadav	120	"	Ram Nilas
09	Yashwan Singh	914	"	Yashwan
10	Vinod Kumar	811	"	Vinod
11	Rajkumar	402	"	Rajkumar
12	K.S. Bhat	129	"	K.S. Bhat
13	Sonu K.	940	"	Sonu K.
14	Kapil Kumar	700	"	Kapil Kumar
15	SHUBHAM	988	"	Shubham

Sign of Faculty: 

Date: 24/02/25

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

ANNEXURE-II

Shift-B

TRAINING ATTENDANCE RECORD

A. S. S. S.
10/01/2025

Subject: Importance of Labelling Date: 01/03/25
 Faculty: Mr. Karan Singh / Mr. Vinod Kumar Duration: 1.5 min Hrs
 Venue: Plant (A+B)

Training Type	(Tick "V" whichever is applicable)		
	(1) On job training	<input checked="" type="checkbox"/>	(2) As per training schedule
(3) Training need identification	<input type="checkbox"/>	(4) Training from external agencies	<input type="checkbox"/>
(5) Training on GMP, GLP, GDP Safety, Motivation	<input type="checkbox"/>	(6) Training on new Documentation	<input type="checkbox"/>
(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training	<input type="checkbox"/>
(9) ISO	<input type="checkbox"/>	(10) Others	<input type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Birlesh Pal	1111	Production	
02	Abhay	628	Prod ⁿ	
03	SACHIN MAURYA	1128	Production	
04	Manmohan Singh	672	Production	
05	Hitesh	723	Prod ⁿ	
06	Jitendra Kumar	745	Prod ⁿ	
07	Vishal Kumar	913	Prod ⁿ	
08	Amn	804	Prod ⁿ	
09	Mithalish Kumar	1043	Prod ⁿ	

Sign of Faculty :

Date : 01/03/2025

ANNEXURE-II

Shift-A

TRAINING ATTENDANCE RECORDAmit
10/01/25Subject: Importance of Labelling Date: 01/10/25Faculty: Mr. Amit Dixit & Mr. Sawendra Duration: 15 min Hrs.Venue: Plant A+B

Training Type	(Tick "v" whichever is applicable)		
	(1) On job training	<input checked="" type="checkbox"/>	(2) As per training schedule
(3) Training need identification	<input type="checkbox"/>	(4) Training from external agencies	<input type="checkbox"/>
(5) Training on GMP, GLP, GDP Safety, Motivation	<input type="checkbox"/>	(6) Training on new Documentation	<input type="checkbox"/>
(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training	<input type="checkbox"/>
(9) ISO	<input type="checkbox"/>	(10) Others	<input type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Ranjeet	1018	Production	
02	Sachin Kumar	0911	"	
03	Munish Kumar	887	"	
04	Bijesh Tal	111	Production	
4	Umesh	072	"	
5	Manish Kumar	620	"	
6	Ankit Kumar	737	"	
7	Ganesh	909	"	
8	Ujjwal	1020	"	

Sign. of Faculty :

Date : 01/10/25

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

ANNEXURE-II

TRAINING ATTENDANCE RECORD

CCW
 01/03/2025
 CA

Subject: Chemical handling Date: 26/03/25

Faculty: Aditya S Duration: 1 Hrs.

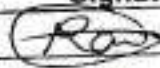
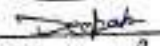
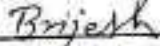

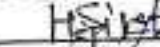
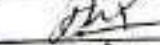
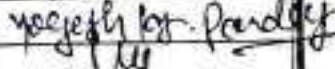

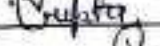

Venue: Conference Room 1

Training Type: (Tick ✓ whichever is applicable)

(1) On job training	<input checked="" type="checkbox"/>	(2) As per training schedule	<input checked="" type="checkbox"/>
(3) Training need identification	<input type="checkbox"/>	(4) Training from external agencies	<input type="checkbox"/>
(5) Training on GMP, GLP, GDP Safety, Motivation	<input type="checkbox"/>	(6) Training on new Documentation	<input type="checkbox"/>
(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training	<input type="checkbox"/>
(9) ISO	<input type="checkbox"/>	(10) Others	<input type="checkbox"/>

Evaluation : Written Questionnaire

Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01.	Ranjeet Kumar	1018	Production	
02	Deepak	1002	Production	
03	Brijesh Kumar	1132	"	
04	Nirlosh Kumar	1084	"	
05	Hemvendra Singh	1019	"	
06	Amarendra K. Prakash	1014	"	
07	Yogesh Kumar Pandey	1114	Production	
08	Umesh Yadav	964	Production	
09	Vikas Gupta	1160	Production	
10	VIPIN KUMAR	1161	Production	

Sign of Faculty : 

Date : 26/03/25

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

ANNEXURE-II

TRAINING ATTENDANCE RECORD

10/01/2025

Subject: Chemical Handling & Safety Precautions Date: 6/03/2025

Faculty: Aditya Singh Duration: 60 mins.

Venue: Conference Room

Training Type	(Tick "√", whichever is applicable)
(1) On Job training	[<input checked="" type="checkbox"/>]
(2) As per training schedule	[<input type="checkbox"/>]
(3) Training need identification	[<input type="checkbox"/>]
(4) Training from external agencies	[<input type="checkbox"/>]
(5) Training on GMP, GLP, GDP Safety, Motivation	[<input type="checkbox"/>]
(6) Training on new Documentation	[<input type="checkbox"/>]
(7) Training on SOP	[<input type="checkbox"/>]
(8) Incident based training	[<input type="checkbox"/>]
(9) ISO	[<input type="checkbox"/>]
(10) Others	[<input checked="" type="checkbox"/>]

Evaluation: Written Questionnaire [] Oral []

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Atul	902	Production	Atul
02	Jaspal	942	"	Jaspal
03	Rajkumar	934	"	Rajkumar
04	Sulekhia Singh	1040	Production	Sulekhia
05	Harvinder Singh	1019	Production	Harvinder
06	Hernand Pandey	0837	QC Lab	Hernand
07	ABHIRAM	213	Production	Abhiram
08	Garvika Singh	909	"	Garvika
09	Nibendra	1085	"	Nibendra
10	Vinod Kumar	811	"	Vinod
11	Narendra Singh	761	"	Narendra
12	Himanshu	1122	ETP	Himanshu
13	Tarun Chakravarty	943	E.T.P	Tarun
14	Omish Kumar	964	Prod?	Omish
15	Manish Kumar	620	Production	Manish
16	Jitendra Kumar Rai	1158	Production	Jitendra

Sign. of Faculty: Aditya Singh

Date: 6/03/2025

SOP No.: SOP/HR/002

Format No.: HR/002/F2-00

ANNEXURE-II
TRAINING ATTENDANCE RECORD

10/01/2025

Subject : Chemical handling & safety practices Date : 06/02/2024

Faculty : Aditya S Duration : 60 minutes

Venue : Conference room

Training Type	(Tick "√", whichever is applicable)	
	(1) On Job training <input checked="" type="checkbox"/>	(2) As per training schedule <input type="checkbox"/>
	(3) Training need identification <input type="checkbox"/>	(4) Training from external agencies <input type="checkbox"/>
	(5) Training on GMP, GLP, GDP <input type="checkbox"/>	(6) Training on new Documentation <input type="checkbox"/>
	Safety, Motivation <input type="checkbox"/>	(8) Incident based training <input type="checkbox"/>
	(7) Training on SOP <input type="checkbox"/>	(10) Others <input checked="" type="checkbox"/>
	(9) ISO <input type="checkbox"/>	

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
17	Vipin Kumar	1161	Production	<i>[Signature]</i>
18	Vikas Gupta	1160	Production	<i>[Signature]</i>
19	SHUBHAM	988		<i>[Signature]</i>

Sign. of Faculty : *[Signature]*
Date : 06/02/2024

ANNEXURE-II

TRAINING ATTENDANCE RECORD

CONTROLLED DOCUMENT
 Approved
 10/01/2025

Subject: Handling & Transportation of Hazardous Chemicals Date: 07/03/2025

Faculty: Agayen/Dr. Duration: 1 Hrs.

Venue: Conference Room

Training Type	(Tick "✓" whichever is applicable)		
	(1) On job training	<input checked="" type="checkbox"/>	(2) As per training schedule
(3) Training need identification	<input type="checkbox"/>	(4) Training from external agencies	<input type="checkbox"/>
(5) Training on GMP, GLP, GDP Safety, Motivation	<input type="checkbox"/>	(6) Training on new Documentation	<input type="checkbox"/>
(7) Training on SOP	<input type="checkbox"/>	(8) Incident based training	<input type="checkbox"/>
(9) ISO	<input type="checkbox"/>	(10) Others	<input checked="" type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
1.	Amit		Pharm Lab	<i>[Signature]</i>
2.	Ombir		"	<i>[Signature]</i>
3.	TAJVEER	5249	"	<i>[Signature]</i>
4.	foman Singh	-	Pharm	<i>[Signature]</i>

Sign of Faculty : *[Signature]*

Date : 07/03/2025

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

ANNEXURE-II
TRAINING ATTENDANCE RECORD

Approved
10/01/2025

Subject : Chlorine & Bromine Date : 09/03/25

Faculty : Vinod Kumar Duration : 2 1/2 Hrs.

Venue : Conference Room

Training Type	(Tick '√', whichever is applicable)	
	(1) On Job training <input checked="" type="checkbox"/>	(2) As per training schedule <input type="checkbox"/>
	(3) Training need identification <input type="checkbox"/>	(4) Training from external agencies <input type="checkbox"/>
	(5) Training on GMP, GLP, GDP Safety, Motivation <input type="checkbox"/>	(6) Training on new Documentation <input type="checkbox"/>
	(7) Training on SOP <input type="checkbox"/>	(8) Incident based training <input type="checkbox"/>
	(9) ISO <input type="checkbox"/>	(10) Others <input checked="" type="checkbox"/>

Evaluation : Written Questionnaire Oral

Sr.No.	Employee's Name	Employee's Code	Department	Employee's Signature
01	Rohit	1023	Production	Rohit
02	Tarachand	1072	Production	Tarachand
3	Sonukumar	940	Production	Sonukumar
4	Vinod	1124	Production	Vinod
5	Jaspal	942	"	Jaspal
06	Pranav Kumar	925	"	Pranav
07	SACHIN MAURYA	1128	Production	Sachin
08	Anil Kumar	1074	Production	Anil
09	Naveen Kumar	1130	Production	Naveen
10	Sunil Bhan	1125	production	Sunil
11	Anjan Chaudhan	1138	Production	Anjan
12	Karanpal Singh	1152	"	Karanpal
13	Abhishek Kumar Singh	1154	Production	Abhishek
14	Sumit Singh	1147	Prod ⁿ	Sumit
15	Rajkumar	0934	"	Rajkumar
16	Bhubnesh Kumar	1131	Production	Bhubnesh

Sign. of Faculty : 

Date : 09/03/25

SOP No. : SOP/HR/002

Format No. : HR/002/F2-00

ANNEXURE – XIV
TEST REPORTS



TC-6993

Page : 1 of 3

TEST REPORT

Issued to : M/s Bharat Rasayan Limited

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Meham, Distt-Rohtak, Haryana.

ULR No. : TC699325000001090F
Test Report No. : PRPL/WS/250402-007
Sample I.D. : PRPLWS/020425-007
Date of Issue : 11/04/2025
Reference No. : TRF

SAMPLE PARTICULARS

SAMPLE PARTICULARS

(a) Sample Type : Drinking Water
(b) Sample description : Borewell-35 ft.
(c) Sample Quantity : 5 L.
(d) Sample Pkg. Condition : P.P. Bottle

Details of sampling


(a) Date of Sampling : 02/04/2025
(b) Time of sampling : 10:25 AM
(c) Sampling Protocol : PRPLWP/WS/058
(d) Equipment Used : N.A.
(e) Sampling Done By : Mr. Suraj
(f) Sampling Location : Onsite (Borewell-1)

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 05/04/2025

S.No.	Parameters	Units	Results	Requirements/Specifications (As per IS : 10500, 2012)		Test Method (APHA 24th Edition 2023)
				Acceptable Limit	Permissible Limit	
1	pH at 25°C	—	7.14	6.5-8.5	No Relaxation	4500H-B
2	Odour	—	Agreeable	Agreeable	Agreeable	2150 B
3	Conductivity at 25°C	µS/cm	613.00	Not Specified	Not Specified	2510 B
4	Colour	Hazen	<1	5	15	2120 B
5	Turbidity	NTU	BDL (DL-1)	1	5	2130 B
6	Total Dissolved Solids	mg/l	320.60	500	2000	2540 C
7	Calcium (as Ca)	mg/l	44.80	75	200	3500Ca-B
8	Boron (as B)	mg/l	BDL (DL-0.1)	0.5	2.4	4500B-C
9	Aluminum (as Al)	mg/l	BLQ (LOQ-0.02)	0.03	0.2	3120 B


Amit Kumar
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

Note :

- The results listed refer only to the tested sample and applicable parameter.
- This report, fully or in part, shall not be used for advertising or as evidence in any court of law.
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Document No.: PRPLDWIT.B P-04



TEST REPORT

Page : 2 of 3

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001090F

Test Report No. : PRPL/WS/250402-007

Sample I.D. : PRPL/WS/020425-007

Date of Issue : 11/04/2025

Reference No. : TRF


"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
Tehsil Meham, Distt-Rohtak, Haryana.

TEST RESULTS

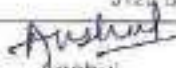
Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Units	Results	Requirements/Specifications (As per IS : 10500, 2012)		Test Method (APHA 24th Edition 2023)
				Acceptable Limit	Permissible Limit	
10	Chloride (as Cl)	mg/l	71.00	250	1000	4500Cl-B
11	Copper (as Cu)	mg/l	BLQ (LOQ-0.02)	0.05	1.5	3120 B
12	Fluoride (as F)	mg/l	BDL (DL-0.1)	1	1.5	4500F-D
13	Iron (as Fe)	mg/l	BLQ (LOQ-0.05)	1.0	No Relaxation	3120 B
14	Magnesium (as Mg)	mg/l	15.56	30	100	3500Mg-B
15	Nitrate (as NO ₃)	mg/l	5.16	45	No Relaxation	4500NO ₃ -B
16	Manganese (as Mn)	mg/l	BLQ (LOQ-0.05)	0.1	0.3	3120 B
17	Sulphate (as SO ₄)	mg/l	30.40	200	400	4500SO ₄ -E
18	Total Alkalinity as CaCO ₃	mg/l	152.00	200	500	2320 B
19	Total Hardness (as CaCO ₃)	mg/l	176.00	200	500	2340 C
20	Zinc (as Zn)	mg/l	BLQ (LOQ-0.05)	5	15	3120 B
21	Cadmium (as Cd)	mg/l	BLQ (LOQ-0.001)	0.003	No Relaxation	3120 B
22	Lead (as Pb)	mg/l	BLQ (LOQ-0.01)	0.01	No Relaxation	3120 B
23	Nickel (as Ni)	mg/l	BLQ	0.02	No Relaxation	3120 B


Amit
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

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(in case of non-perishable products only)

Document No.: PRPL/DW/7.3 F-04



TEST REPORT

Page : 3 of 3

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001090F

Test Report No. : PRPL/WS/250402-007

Sample I.D. : PRPL/WS/020425-007

Date of Issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
Tehsil Meham, Distt-Rohtak, Haryana.

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Units	Results	Requirements/Specifications (As per IS : 10500, 2012)		Test Method (APHA 24th Edition 2023)
				Acceptable Limit	Permissible Limit	
24	Total Chromium (as Cr)	mg/l	BLQ (LOQ-0.05)	0.05	No Relaxation	3120 B
25	Phosphate	mg/l	BDL (DL-0.01)	Not Specified	Not Specified	4500P-D
26	Potassium	mg/l	3.30	Not Specified	Not Specified	3120 B
27	Total Suspended Solids	mg/l	BDL (DL-1)	Not Specified	Not Specified	2540 D
28	Lithium (as Li)	mg/l	BLQ (LOQ-0.1)	Not Specified	Not Specified	3120 B
29	Sodium (as Na)	mg/l	15.60	Not Specified	Not Specified	3120 B
30	Temperature	°C	27.30	Not Specified	Not Specified	2550 B

*BDL=Below Detection Limit,DL=Detection Limit, BLQ=Below Limit of Quantification,LOQ=Limit of Quantification.

Remarks : N.A.

Opinion/Interpretation

End of Report




Amit Yadav
Technical Manager
Reviewed By


Anshul
Assistant Manager
Authorized Signatory

Note :

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Document No.: PRPL/DW/7.8 F-04



TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001091F

Test Report No. : PRPL/AS/250402-005

Sample I.D. : PRPL/AS/020425-005

Date of Issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

1 Name of the Sample : Ambient Air

Details of sampling

- (a) Date of Sampling : 01/04/2025 to 02/04/2025
- (b) Sampling Protocol : PRPLWP/AS/001-012
- (c) Equipment Used : RDS & FDS
- (d) Sampling Done By : Mr. Sachin & Mr. Suraj
- (e) Duration of Sampling : 24hrs
- (f) Sampling Location : Onsite

Physical observations

- (a) Ambient temp. (Max/Min) : 35°C/19°C
- (b) Weather Condition : Clear
- (c) Wind direction : 4.8 Km/hr, WNW
- (d) Sampling Flow rate for Gases : 0.2 LPM
- (e) Sampling Flow rate for RSPM/PM-10 (Ave) : 1.1 m3/minute

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Units	Results	Requirements/Specifications (As per CPCB Vol.- II)	Test Method
1	Particulate Matter (PM10)	µg/m ³	92.5	100 (24Hrs)	IS : 5182 Part-23, 2008
2	Particulate Matter (PM2.5)	µg/m ³	85.3	50 (24Hrs)	IS : 5182 Part-24, 2018
3	Sulphur Dioxide (SO ₂)	µg/m ³	8.6	80 (24Hrs)	IS : 5182 Part-2 Sec -1, 2023
4	Nitrogen Dioxide (NO ₂)	µg/m ³	28.1	80 (24Hrs)	IS : 5182 Part-6, 2006

*WNW=West-Northwest

Remarks : N.A.
Opinion/Interpretation

End of Report



Amit
Amit Kady
Technical Manager
Reviewed By

Anshul
Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/AA/1.8 F-01



TEST REPORT

Issued to : M/s Bharat Rasayan Limited

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
Tehsil Meham, Distt-Rohtak, Haryana.

ULR No. : TC699325000001105F
Test Report No. : PRPL/WS/250402-009
Sample I.D. : PRPL/WS/020425-009
Date of Issue : 11/04/2025
Reference No. : TRF

SAMPLE PARTICULARS

SAMPLE PARTICULARS

- (a) Sample Type : Waste Water
(b) Sample description : STP Inlet (35 KLD)
(c) Sample Quantity : 5 Lt.
(d) Sample Pkg. Condition : P.P. Bottle

Details of sampling

- (a) Date of Sampling : 02/04/2025
(b) Time of sampling : 3:05 PM
(c) Sampling Protocol : PRPL/WP/WS/058
(d) Equipment Used : N.A.
(e) Sampling Done By : Mr. Suraj
(f) Sampling Location : Onsite

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Units	Results	Test Method (APHA 24th Edition 2023)
1	pH at 25°C		6.4	4500H+ B
2	Total Suspended Solid	mg/l	96	2540 D
3	Chemical Oxygen Demand	mg/l	489	5520 B
4	Biochemical Oxygen Demand for 3 days at 27°C	mg/l	210	IS : 3025 P-44, 2023
5	Oil & Grease	mg/l	14.7	5520 B

Remarks : N.A.
Opinion/Interpretation

End of Report




Amit Yadav
Technical Manager
Reviewed by


Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/SS/7.8 F-06



TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001106F
 Test Report No. : PRPL/WS/250402-010
 Sample I.D. : PRPL/WS/020425-010
 Date of Issue : 11/04/2025
 Reference No. : TRF

"Expansion of Existing Pesticides Unit"
 at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
 Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

SAMPLE PARTICULERS

(a) Sample Type : Waste Water
 (b) Sample description : STP Outlet (35 KLD)
 (c) Sample Quantity : 5 LL
 (d) Sample Pkg. Condition : P.P. Bottle

Details of sampling

(a) Date of Sampling : 02/04/2025
 (b) Time of sampling : 3:15 PM
 (c) Sampling Protocol : PRPL/WP/WS/058
 (d) Equipment Used : N.A.
 (e) Sampling Done By : Mr. Suraj
 (f) Sampling Location : Onsite

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Units	Results	Requirement/Specification (Inland Surface water)	Test Method (APHA 24th Edition 2023)
1	pH at 25°C		7.42	6.5-8.0	4500H+ B
2	Total Suspended Solid	mg/l	1.40	100	2540 D
3	Chemical Oxygen Demand	mg/l	39.00	250	5520 B
4	Biochemical Oxygen Demand for 3 days at 27°C	mg/l	9.36	30	IS : 3025 P-44, 2023
5	Oil & Grease	mg/l	1.50	10	5520 B

Remarks : N.A.
 Opinion/Interpretation

End of Report



Amr Yadav
 Amr Yadav
 Technical Manager
 Reviewed By

Anshul
 Anshul
 Assistant Manager
 Authorized Signatory

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Document No.: PRPL/WW/7.8 F-05



TEST REPORT

Page : 1 of 1

Issued to : **Ms Bharat Rasayan Limited**

ULR No. : TG699325000001107F
 Test Report No. : PRPL/WS/250402-011
 Sample I.D. : PRPLWS/020425-011
 Date of issue : 11/04/2025
 Reference No. : TRF

"Expansion of Existing Pesticides Unit"
 at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
 Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

SAMPLE PARTICULARS

(a) Sample Type : Waste Water
 (b) Sample description : ETP Inlet (100 KLD)
 (c) Sample Quantity : 5 Lt.
 (d) Sample Pkg. Condition : P.P. Bottle

Details of sampling

(a) Date of Sampling : 02/04/2025
 (b) Time of sampling : 3:45 PM
 (c) Sampling Protocol : PRPL/WP/WS/058
 (d) Equipment Used : N.A.
 (e) Sampling Done By : Mr. Suraj
 (f) Sampling Location : Onsite

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Units	Results	Test Method (APHA 24th Edition 2023)
1	pH at 25°C		7.04	4500H- B
2	Total Suspended Solid	mg/l	84.00	2540 D
3	Chemical Oxygen Demand	mg/l	874.00	5520 B
4	Biochemical Oxygen Demand for 3 days at 27°C	mg/l	326.00	IS 3025 P-44, 2023
5	Oil & Grease	mg/l	18.70	5520 B

Remarks : N.A.
 Opinion/Interpretation

End of Report


 Amit K. Desai
 Technical Manager
 Reviewed By




 Anshul
 Assistant Manager
 Authorized Signatory

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Document No.: PRPL/SS/7.8 F-06



TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001108F

Test Report No. : PRPL/WS/250402-012

Sample I.D. : PRPL/WS/020425-012

Date of issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

SAMPLE PARTICULARS

- (a) Sample Type : Waste Water
(b) Sample description : ETP Outlet (100 KLD)
(c) Sample Quantity : 5 Lt.
(d) Sample Pkg. Condition : P.P. Bottle

Details of sampling

- (a) Date of Sampling : 02/04/2025
(b) Time of sampling : 3:55 PM
(c) Sampling Protocol : PRPL/WP/WS/058
(d) Equipment Used : N.A.
(e) Sampling Done By : Mr. Suraj
(f) Sampling Location : Onsite

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Units	Results	Requirement/Specification (Inland Surface water)	Test Method (APHA 24th Edition 2023)
1	pH at 25°C		7.83	5.5-9.0	4500H+ B
2	Total Suspended Solid	mg/l	3.60	100	2540 D
3	Chemical Oxygen Demand	mg/l	83	250	5520 B
4	Biochemical Oxygen Demand for 3 days at 27°C	mg/l	22.40	30	IS 3025 F-44, 2023
5	Oil & Grease	mg/l	1.10	10	5520 B

Remarks : N.A.
Opinion/Interpretation

End of Report


Amit Yadav
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/WW/7.8 F-05



TEST REPORT

Page : 1 of 2

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001088F

Test Report No. : PRPL/SS/250402-005

Sample I.D. : PRPL/SS/020425-005

Date of Issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

SAMPLE PARTICULARS

- (a) Sample Type : Soil
- (b) Sample description : Non agricultural uses soil
- (c) Sample Quantity : 1 Kg
- (d) Sample Pkg. Condition : Poly Bag

Details of sampling

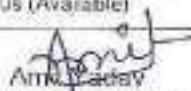
- (a) Date of Sampling : 02/04/2025
- (b) Time of sampling : 11:05 AM
- (c) Sampling Protocol : PRPL/WP/SS/030
- (d) Equipment Used : Khurpi
- (e) Sampling Done By : Mr. Suraj
- (f) Sampling Location : Onsite

TEST RESULTS

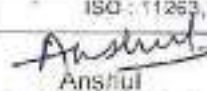
Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Units	Results	Test Method
1	pH at 25°C	-	7.6	IS : 2720 P-2E, 2021
2	Conductivity at 25°C	µS/cm	491.8	IS : 14767, 2021
3	Available Chloride	mg/kg	106.5	LAB SOP No.010 based on USDAM-13,Ed. by LA Richards, 2015
4	Bicarbonate Alkalinity (as CaCO ₃)	mg/kg	85.4	LAB SOP No.008 based on USDAM-51,Ed. by LA Richards, 2015
5	Colour		3/4 (Brown)	Munsell Chart, 1930
6	Nitrate (as NO ₃)	mg/kg	54.8	Lab SOP No. 15 based on laboratory manual of soil & solid waste analysis by PK Behra, 2022
7	Organic Matter	%	0.78	IS : 2720 P-22, 2022
8	Phosphorus (Available)	mg/kg	12.8	ISO : 11263, 1994


Anshul
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/SS/7.8 F-06



TEST REPORT

Page : 2 of 2

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001088F

Test Report No. : PRPL/SS/250402-005

Sample I.D. : PRPL/SS/020425-005

Date of Issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Meham, Distt-Rohtak, Haryana.

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Units	Results	Test Method
9	Bulk Density	gm/cc	1.21	ISO : 11272, 2017
10	Calcium (as Ca)	mg/kg	102.6	ISO : 11260, 2018
11	Texture	Visually	Clay	IS : 2720 P-4, 2020
12	Sand	%	6.1	IS : 2720 P-4, 2020
13	Silt	%	35.7	IS : 2720 P-4, 2020
14	Clay	%	56.1	IS : 2720 P-4, 2020
15	Magnesium (as Mg)	mg/kg	53.5	ISO : 11260, 2018
16	Moisture	%	1.4	IS : 2720 P-2, 2020
17	Porosity	%	34.4	USDA M45, Ed. by LA Richards, 1954
18	Potassium (as K)	mg/kg	47.3	ISO : 11260, 2018
19	Sodium (as Na)	mg/kg	88.2	ISO : 11260, 2018
20	Available Nitrogen	mg/kg	90.8	IS : 14684, 2019
21	Cation Exchange Capacity (CEC)	mec/100gm	17.9	ISO : 11260, 2018
22	Sulphur	mg/kg	6.1	Lab SOP No. 012, 2015

Remarks : N.A.
Opinion/Interpretation



Anshul
Anshul
Technical Manager
Reviewed By

Anshul
Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/SS/7.8 F-06



TC-6993

TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001089F

Test Report No. : PRPL/NS/250402-006

Sample I.D. : PRPL/NS/020425-006

Date of Issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample : Ambient Noise

Details of sampling

- (a) Date & Time of Sampling : 01/04/2025 to 02/04/2025
 (b) Sampling Protocol : PRPL/WP/NS/001-002
 (c) Equipment Used : Sound Level Meter
 (d) Sampling Done By : Mr. Sachin & Mr. Shivam Mishra
 (e) Duration of Sampling : 24 Hr
 (f) Sampling Location : Onsite (West Direction of Site)

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 03/04/2025

S.No.	Parameters	Units	Results	Requirement/Specification (Industrial Area, As per CPCB)	Test Method
1	Leq Value (Day Time)	dB(A)	63.4	75	IS : 9989, 1981
2	Leq Value (Night Time)	dB(A)	55.3	70	IS : 9989, 1981

Day time shall mean from 10:00 AM to 06:00 PM.

Night time shall mean from 06:00 PM to 10:00 AM.

Remarks : N.A.

Opinion/Interpretation

End of Report




Amit Varshav
Technical Manager
Reviewed By


Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/AN/7.8 F-03



TEST REPORT

Page : 1 of 1

Issued to : **Mis Bharat Rasayan Limited**

ULR No. : TC699325000001092F
 Test Report No. : PRPL/SE/250402-002
 Sample I.D. : PRPL/SE/020425-002
 Date of Issue : 11/04/2025
 Reference No. : TRF

"Expansion of Existing Pesticides Unit"
 at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
 Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample	: Stack Emission	Stack Emission	
(a) Stack Attached To	: DG Set-1	(a) Attached APCS	: --
(b) Capacity	: 750 KVA	(b) Stack height above the roof top	: 5 Meter
(c) Type of fuel used	: Diesel	(c) Stack height above the ground level	: 33 Meter
(d) Type of chimney	: Metal	(d) Diameter of Stack	: 1 Meter
(e) Purpose of Monitoring	: --		

Physical observations

Details of sampling		(a) Ambient temp. (Max/Min)	: 35°C/19°C
(a) Date of Sampling	: 02/04/2025	(b) Flue gas temperature	: 162°C
(b) Sampling Protocol	: PRPLWP/STS/001-008	(c) Velocity (m/sec.)	: 7.55
(c) Equipment Used	: Stack Kit	(d) Sampling Flow Rate For Gases	: 2 LPM
(d) Sampling Done By	: Mr. Sachin & Mr. Shivam Mishra	(e) Sampling Flow Rate For PM	: 30 LPM
(e) Duration of Sampling	: 1 hrs	(f) Quantity of Emission (Nm ³ / Hr.)	: 21336.30
(f) Sampling Location	: Port Hole		

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	Particulate Matter (PM)	mg/Nm ³	26.8	50	IS - 11255 P-1, 1985
2	Oxides of Nitrogen (NOx)	mg/Nm ³	63.5	400	USEPA Method 7b, 2017
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	20.3	200	IS - 11255 P-2, 1985

Remarks : N.A.
 Opinion/Interpretation

End of Report


 Amit Yadav
 Technical Manager
 Reviewed By




 Anshul
 Assistant Manager
 Authorized Signatory

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Document No.: PRPL/SE/7.0 F-02

TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC69932500001093F

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
Tehsil Moham, Distt-Rohtak, Haryana.

Test Report No. : PRPL/SE/250402-003

Sample I.D. : PRPL/SE/020425-003

Date of Issue : 11/04/2025

Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample	: Stack Emission	Stack Emission	
(a) Stack Attached To	: DG Set-2	(a) Attached APCS	: -
(b) Capacity	: 750 KVA	(b) Stack height above the roof top	: 5 Meter
(c) Type of fuel used	: Diesel	(c) Stack height above the ground level	: 33 Meter
(d) Type of chimney	: Metal	(d) Diameter of Stack	: 1 Meter
(e) Purpose of Monitoring	: -		
Details of sampling		Physical observations	
(a) Date of Sampling	: 02/04/2025	(a) Ambient temp. (Max/Min)	: 35°C/19°C
(b) Sampling Protocol	: PRPL/WP/STS/001-008	(b) Flue gas temperature	: 155°C
(c) Equipment Used	: Stack Kit	(c) Velocity (m/sec.)	: 7.85
(d) Sampling Done By	: Mr. Sachin & Mr. Shivam Mishra	(d) Sampling Flow Rate For Gases	: 2 LPM
(e) Duration of Sampling	: 1hrs	(e) Sampling Flow Rate For PM	: 32 LPM
(f) Sampling Location	: Part Hole	(f) Quantity of Emission (Nm ³ / Hr.)	: 22184.10

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	Particulate Matter (PM)	mg/Nm ³	29.1	50	IS - 11255 P-1, 1985
2	Oxides of Nitrogen (NO _x)	mg/Nm ³	69.2	400	USEPA Method 7b, 2017
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	16.5	200	IS - 11255 P-2, 1985

Remarks : N.A.
Opinion/Interpretation


Amit
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

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Document No., PRPL/SE/7.5 F-02



TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001094F

Test Report No. : PRPL/SE/250402-004

Sample I.D. : PRPL/SE/020425-004

Date of Issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Mehari, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample : Stack Emission
(a) Stack Attached To : DG Set-3
(b) Capacity : 750 KVA
(c) Type of fuel used : Diesel
(d) Type of chimney : Metal
(e) Purpose of Monitoring : -

Stack Emission
(a) Attached APCS : -
(b) Stack height above the roof top : 5 Meter
(c) Stack height above the ground level : 33 Meter
(d) Diameter of Stack : 1 Meter

Details of sampling
(a) Date of Sampling : 02/04/2025
(b) Sampling Protocol : PRPL/WP/STS/001-008
(c) Equipment Used : Stack Kit
(d) Sampling Done By : Mr. Sachin & Mr. Shivam Mishra
(e) Duration of Sampling : 1hrs
(f) Sampling Location : Port Hole

Physical observations
(a) Ambient temp. (Max/Min) : 35°C/19°C
(b) Flue gas temperature : 148°C
(c) Velocity (m/sec.) : 8.12
(d) Sampling Flow Rate For Gases : 2 LPM
(e) Sampling Flow Rate For PM : 33 LPM
(f) Quantity of Emission (Nm³ / Hr.) : 22947.12

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	Particulate Matter (PM)	mg/Nm ³	25.7	50	IS : 11255 P-1, 1985
2	Oxides of Nitrogen (NO _x)	mg/Nm ³	88.2	400	USEPA Method 7b, 2017
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	16.4	200	IS : 11255 P-2, 1985

Remarks : N.A.
Opinion/Interpretation


Amit Kapur
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/SE/7.8 F-02

**TEST REPORT**

Issued to : M/s Bharat Rasayan Limited

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
Tehsil Meham, Distt-Rohtak, Haryana.

ULR No. : TC699325000001095F
Test Report No. : PRPL/NS/250402-010
Sample I.D. : PRPL/NS/020425-010
Date of Issue : 11/04/2025
Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample : Atmospheric Pollution (Source Noise)

Details of sampling

- (a) Date & Time of Sampling : 02/04/2025 to 02/04/2025
(b) Sampling Protocol : PRPL/WP/NS/001-002
(c) Equipment Used : Sound Level Meter
(d) Sampling Done By : Mr. Sachin
(e) Duration of Sampling : 30 Min.
(f) Sampling Location : DG Set-1 (750 KVA)

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 03/04/2025

S.No.	Parameters	Units	Results	Requirement/Specification (As per CPCB)	Test Method
1	Sound Pressure Level (Acoustic Enclosure Door is Closed)	dB(A)	89.4	75	IS : 4758, 1968
2	Sound Pressure Level (Acoustic Enclosure Door is Opened)	dB(A)	97.5	No. Specified	IS : 4758, 1968
3	Insertion Loss	dB(A)	28.1	>25	IS : 4758, 1968

Remarks : N.A.
Opinion/Interpretation

End of Report




Amit Yadav
Technical Manager
Reviewed By


Anshul
Assistant Manager
Authorized Signatory

Note :

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Document No. : PRPL/AN/7.8 F-03



TEST REPORT

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001098F
 Test Report No. : PRPL/NS/250402-011
 Sample I.D. : PRPL/NS/020425-011
 Date of Issue : 11/04/2025
 Reference No. : TRF

"Expansion of Existing Pesticides Unit"
 at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
 Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample : Atmospheric Pollution (Source Noise)

Details of sampling

- (a) Date & Time of Sampling : 02/04/2025 to 02/04/2025
- (b) Sampling Protocol : PRPL/WP/NS/001-002
- (c) Equipment Used : Sound Level Meter
- (d) Sampling Done By : Mr. Sachin
- (e) Duration of Sampling : 30 Min.
- (f) Sampling Location : DG Set-2 (750 KVA)

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 03/04/2025

S.No.	Parameters	Units	Results	Requirement/Specification (As per CPCB)	Test Method
1	Sound Pressure Level (Acoustic Enclosure Door is Closed)	dB(A)	69.7	75	IS : 4758, 1958
2	Sound Pressure Level (Acoustic Enclosure Door is Opened)	dB(A)	86.1	No. Specified	IS : 4758, 1958
3	Insertion Loss	dB(A)	28.4	>25	IS : 4758, 1958

Remarks : N.A.
 Opinion/Interpretation

End of Report



Amil Yadav
 Amil Yadav
 Technical Manager
 Reviewed By

Anshul
 Anshul
 Assistant Manager
 Authorized Signatory

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Document No.: PRPL/AN/7.8 F-03



TEST REPORT

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001097F
 Test Report No. : PRPL/NS/250402-012
 Sample I.D. : PRPL/NS/020425-012
 Date of Issue : 11/04/2025
 Reference No. : TRF

"Expansion of Existing Pesticides Unit"
 at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
 Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample : Atmospheric Pollution (Source Noise)

Details of sampling

- (a) Date & Time of Sampling : 02/04/2025 to 02/04/2025
- (b) Sampling Protocol : PRPL/WP/NS/001-002
- (c) Equipment Used : Sound Level Meter
- (d) Sampling Done By : Mr. Sachin
- (e) Duration of Sampling : 30 Min.
- (f) Sampling Location : DG Set-3 (750 KVA)

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 03/04/2025

S.No.	Parameters	Units	Results	Requirement/Specification (As per CPCB)	Test Method
1	Sound Pressure Level (Acoustic Enclosure Door is Closed)	dB(A)	68.5	75	IS: 4758, 1968
2	Sound Pressure Level (Acoustic Enclosure Door is Opened)	dB(A)	98.8	Not Specified	IS: 4758, 1968
3	Insertion Loss	dB(A)	30.2	>25	IS: 4758, 1968

Remarks : N.A.
 Opinion/Interpretation

End of Report



Amit
 Amit Kaprav
 Technical Manager
 Reviewed By

Anshul
 Anshul
 Assistant Manager
 Authorized Signatory

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Document No.: PRPL/AN/7.8 F-03



TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001101F

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Meham, Distt-Rohtak, Haryana.

Test Report No. : PRPL/SE/250402-013

Sample I.D. : PRPL/SE/020425-013

Date of Issue : 11/04/2025

Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample	: Stack Emission	Stack Emission	
(a) Stack Attached To	: Thermopac-3	(a) Attached APCS	: --
(b) Capacity	: 6 Lac Kcal/Hrs	(b) Stack height above the roof top	: 5 Meter
(c) Type of fuel used	: Biomass Bricks+LPG	(c) Stack height above the ground level	: 33.5 Meter
(d) Type of chimney	: Metal	(d) Diameter of Stack	: 1 Meter
(e) Purpose of Monitoring	: --		
Details of sampling		Physical observations	
(a) Date of Sampling	: 02/04/2025	(a) Ambient temp. (Max/Min)	: 35°C/19°C
(b) Sampling Protocol	: PRPLWP/STS/001-008	(b) Flue gas temperature	: 136°C
(c) Equipment Used	: Stack Kit	(c) Velocity (m/sec.)	: 7.22
(d) Sampling Done By	: Mr. Sachin & Mr. Shivam Mishra	(d) Sampling Flow Rate For Gases	: 2 LPM
(e) Duration of Sampling	: 1hrs	(e) Sampling Flow Rate For PM	: 29 LPM
(f) Sampling Location	: Port Hole	(f) Quantity of Emission (Nm ³ / Hr.)	: 20403.72

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	Particulate Matter (PM)	mg/Nm ³	26.8	50	IS : 11255 P-1, 1985
2	Oxides of Nitrogen (NOx)	mg/Nm ³	19.3	400	USEPA Method 7b, 2017
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	16.2	200	IS : 11255 P-2, 1985

Remarks : N.A.

Opinion/Interpretation

End of Report


Amit Jadhav
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

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TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001100F

Test Report No. : PRPL/SE/250402-012

Sample I.D. : PRPL/SE/020425-012

Date of Issue : 11/04/2025

Reference No. : TRF

 "Expansion of Existing Pesticides Unit"
 at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
 Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample	: Stack Emission	Stack Emission	
(a) Stack Attached To	: Thermopac-2	(a) Attached APCS	: —
(b) Capacity	: 2 Lac Kcal/Hrs	(b) Stack height above the roof top	: 5 Meter
(c) Type of fuel used	: Biomass Bricks+LPG	(c) Stack height above the ground level	: 33.5 Meter
(d) Type of chimney	: Metal	(d) Diameter of Stack	: 1 Meter
(e) Purpose of Monitoring	: —		
Details of sampling		Physical observations	
(a) Date of Sampling	: 02/04/2025	(a) Ambient temp. (Max/Min)	: 35°C/19°C
(b) Sampling Protocol	: PRPLWP/STS/001-008	(b) Flue gas temperature	: 117°C
(c) Equipment Used	: Stack Kit	(c) Velocity (m/sec.)	: 7.05
(d) Sampling Done By	: Mr. Sachin & Mr. Shivam Mishra	(d) Sampling Flow Rate For Gases	: 2 LPM
(e) Duration of Sampling	: 1hrs	(e) Sampling Flow Rate For PM	: 28 LPM
(f) Sampling Location	: Port Hole	(f) Quantity of Emission (Nm ³ / Hr.)	: 19923.30

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Unit	Results	Requirements/Spe cifications (As per CPCB)	Test Method
1	Particulate Matter (PM)	mg/Nm ³	20.4	50	IS : 11255 P-1, 1985
2	Oxides of Nitrogen (NO _x)	mg/Nm ³	15.8	400	USEPA Method 7b, 2017
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	14.3	200	IS : 11255 P-2, 1985

 Remarks : N.A.
 Opinion/Interpretation

End of Report



Amit Prasad
 Technical Manager
 Reviewed By



Anshul
 Assistant Manager
 Authorized Signatory

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TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001099F

Test Report No. : PRPL/SE/250402-011

Sample I.D. : PRPL/SE/020425-011

Date of issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tahsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample	: Stack Emission	Stack Emission	
(a) Stack Attached To	: Thermopac-1	(a) Attached APCS	: --
(b) Capacity	: 2 Lac Kcal/Hrs	(b) Stack height above the roof top	: 5 Meter
(c) Type of fuel used	: Biomass Bricks+LPG	(c) Stack height above the ground level	: 33.5 Meter
(d) Type of chimney	: Metal	(d) Diameter of Stack	: 1 Meter
(e) Purpose of Monitoring	: --		
Details of sampling		Physical observations	
(a) Date of Sampling	: 02/04/2025	(a) Ambient temp. (Max/Min)	: 35°C/19°C
(b) Sampling Protocol	: PRPLWP/STS/001-008	(b) Flue gas temperature	: 121°C
(c) Equipment Used	: Stack Kit	(c) Velocity (m/sec.)	: 7.26
(d) Sampling Done By	: Mr. Sachin & Mr. Shivam Mishra	(d) Sampling Flow Rate For Gases	: 2 LPM
(e) Duration of Sampling	: 1hrs	(e) Sampling Flow Rate For PM	: 29 LPM
(f) Sampling Location	: Port Hole	(f) Quantity of Emission (Nm ³ / Hr)	: 20516.76

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	Particulate Matter (PM)	mg/Nm ³	24.5	50	IS : 11255 P-1, 1985
2	Oxides of Nitrogen (NOx)	mg/Nm ³	18.1	400	USEPA Method 7b, 2017
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.6	200	IS : 11255 P-2, 1985

Remarks : N.A.
Opinion/Interpretation

End of Report


Amit
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/SE/7.0 F-02

TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001100F

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Meham, Distt-Rohtak, Haryana.

Test Report No. : PRPL/SE/250402-009

Sample I.D. : PRPL/SE/020425-009

Date of Issue : 11/04/2025

Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample	: Stack Emission	Stack Emission	
(a) Stack Attached To	: Scrubber-3	(a) Attached APCS	: --
(b) Capacity	: --	(b) Stack height above the roof top	: 5 Meter
(c) Type of fuel used	: Electricity	(c) Stack height above the ground level	: 17 Meter
(d) Type of chimney	: Metal	(d) Diameter of Stack	: 0.06 Meter
(e) Purpose of Monitoring	: --		
Details of sampling		Physical observations	
(a) Date of Sampling	: 02/04/2025	(a) Ambient temp. (Max/Min)	: 35°C/19°C
(b) Sampling Protocol	: PRPL/WP/STS/001-008	(b) Flue gas temperature	: 35°C
(c) Equipment Used	: Stack Kit	(c) Velocity (m/sec.)	: 4.25
(d) Sampling Done By	: Mr. Sachin & Mr. Shivam Mishra	(d) Sampling Flow Rate For Gases	: 2 LPM
(e) Duration of Sampling	: 1hrs	(e) Sampling Flow Rate For PM	: 16 LPM
(f) Sampling Location	: Port Hole	(f) Quantity of Emission (Nm ³ / Hr.)	: 43.24

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.6	200	IS : 11255 P-2, 1985

Remarks : N.A.
Opinion/Interpretation

End of Report


Amit
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/SE/7.0 F-02

TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

 "Expansion of Existing Pesticides Unit"
 at 2 KM Stone, Madina-Mokhara Road, Village Mokhara,
 Tehsil Meham, Distt-Rohitak, Haryana.

 Test Report No. : PRPL/SE/250402-008/N
 Sample I.D. : PRPL/SE/020425-008
 Date of Issue : 11/04/2025
 Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample	: Stack Emission	Stack Emission	
(a) Stack Attached To	: Scrubber-2	(a) Attached APCS	: —
(b) Capacity	: —	(b) Stack height above the roof top	: 5 Meter
(c) Type of fuel used	: Electricity	(c) Stack height above the ground level	: 17 Meter
(d) Type of chimney	: Metal	(d) Diameter of Stack	: 0.06 Meter
(e) Purpose of Monitoring	: —		
Details of sampling		Physical observations	
(a) Date of Sampling	: 02/04/2025	(a) Ambient temp. (Max/Min)	: 35°C/19°C
(b) Sampling Protocol	: PRPLWP/ISTS/001-008	(b) Flue gas temperature	: 35°C
(c) Equipment Used	: Stack Kit	(c) Velocity (m/sec.)	: 4.25
(d) Sampling Done By	: Mr. Sachin & Mr. Shivam Mishra	(d) Sampling Flow Rate For Gases	: 2 LPM
(e) Duration of Sampling	: 1hrs	(e) Sampling Flow Rate For PM	: 16 LPM
(f) Sampling Location	: Port Hole	(f) Quantity of Emission (Nm ³ / Hr.)	: 43.24

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	HBr	mg/Nm ³	BDL (DL-5.0)	5	USEPA Method 26, 2019

*BDL=Below Detection Limit DL=Detection Limit.

 Remarks : N.A.
 Opinion/Interpretation

End of Report



 Armit Vashav
 Technical Manager
 Reviewed By


 Anshul
 Assistant Manager
 Authorized Signatory

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Document No.: PRPL/SE/7.8 F-02



TEST REPORT

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001098F
 Test Report No. : PRPL/SE/250402-007
 Sample I.D. : PRPL/SE/020425-007
 Date of Issue : 11/04/2025
 Reference No. : TRF

"Expansion of Existing Pesticides Unit"
 at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
 Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample : Stack Emission
 (a) Stack Attached To : HCl scrubber-1
 (b) Capacity : --
 (c) Type of fuel used : Electricity
 (d) Type of chimney : Metal
 (e) Purpose of Monitoring : --

Stack Emission
 (a) Attached APCS : --
 (b) Stack height above the roof top : 5 Meter
 (c) Stack height above the ground level : 17 Meter
 (d) Diameter of Stack : 0.06 Meter

Details of sampling
 (a) Date of Sampling : 02/04/2025
 (b) Sampling Protocol : PRPLWP/STS/001-008
 (c) Equipment Used : Stack Kit
 (d) Sampling Done By : Mr. Sachin & Mr. Shivam Mishra
 (e) Duration of Sampling : 1hrs
 (f) Sampling Location : Port Hole

Physical observations
 (a) Ambient temp. (Max/Min) : 35°C/19°C
 (b) Flue gas temperature : 35°C
 (c) Velocity (m/sec.) : 4.25
 (d) Sampling Flow Rate For Gases : 2 LPM
 (e) Sampling Flow Rate For PM : 41 LPM
 (f) Quantity of Emission (Nm³ / Hr) : 43.24

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	Acid Mist (as HCl)	mg/Nm ³	15.3	35	USEPA Method-26,2019

Remarks : N.A.
 Opinion/Interpretation

End of Report


 Amit
 Technical Manager
 Reviewed By




 Anshul
 Assistant Manager
 Authorized Signatory

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Document No.: PRPL/SE/7.8 F-02



TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC69932500001103F

Test Report No. : PRPL/SE/250402-005

Sample I.D. : PRPL/SE/020425-005

Date of Issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Meham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample	: Stack Emission	Stack Emission	
(a) Stack Attached To	: Boiler-1	(a) Attached APCS	: -
(b) Capacity	: 8 Ton	(b) Stack height above the roof top	: 5 Meter
(c) Type of fuel used	: Biomass Bricks	(c) Stack height above the ground level	: 33.5 Meter
(d) Type of chimney	: Metal	(d) Diameter of Stack	: 1 Meter
(e) Purpose of Monitoring	: -		
Details of sampling		Physical observations	
(a) Date of Sampling	: 02/04/2025	(a) Ambient temp. (Max/Min)	: 35°C/19°C
(b) Sampling Protocol	: PRPL/WP/STS/001-008	(b) Flue gas temperature	: 180°C
(c) Equipment Used	: Stack Kit	(c) Velocity (m/sec.)	: 8.06
(d) Sampling Done By	: Mr. Sachin & Mr. Shivam Mishra	(d) Sampling Flow Rate For Gases	: 2 LPM
(e) Duration of Sampling	: 1hrs	(e) Sampling Flow Rate For PM	: 30 LPM
(f) Sampling Location	: Port Hole	(f) Quantity of Emission (Nm ³ / Hr.)	: 22777.56

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	Particulate Matter (PM)	mg/Nm ³	28.5	50	IS : 11255 P-1, 1985
2	Oxides of Nitrogen (NO _x)	mg/Nm ³	77.4	400	USEPA Method 7b, 2017
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.6	200	IS : 11255 P-2, 1985

Remarks : N.A.
Opinion/Interpretation


Amit Yadav
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

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Document No.: PRPL/SE/7.8 F-02



TEST REPORT

Page : 1 of 1

Issued to : M/s Bharat Rasayan Limited

ULR No. : TC699325000001104F

Test Report No. : PRPL/SE/250402-006

Sample I.D. : PRPL/SE/020425-006

Date of Issue : 11/04/2025

Reference No. : TRF

"Expansion of Existing Pesticides Unit"
at 2 KM Stone, Madina-Mokhara Road, Village Mokhra,
Tehsil Moham, Distt-Rohtak, Haryana.

SAMPLE PARTICULARS

Name of the Sample	: Stack Emission	Stack Emission	
(a) Stack Attached To	: Boiler-2	(a) Attached APCS	: —
(b) Capacity	: 5 Ton	(b) Stack height above the roof top	: 5 Meter
(c) Type of fuel used	: LPG	(c) Stack height above the ground level	: 33.5 Meter
(d) Type of chimney	: Metal	(d) Diameter of Stack	: 1 Meter
(e) Purpose of Monitoring	: —		
Details of sampling		Physical observations	
(a) Date of Sampling	: 02/04/2025	(a) Ambient temp. (Max/Min)	: 35°C/19°C
(b) Sampling Protocol	: PRPL/WP/STS/001-008	(b) Flue gas temperature	: 153°C
(c) Equipment Used	: Stack Kit	(c) Velocity (m/sec.)	: 7.85
(d) Sampling Done By	: Mr. Sachin & Mr. Shivam Mishra	(d) Sampling Flow Rate For Gases	: 2 LPM
(e) Duration of Sampling	: 1hrs	(e) Sampling Flow Rate For PM	: 32 LPM
(f) Sampling Location	: Port Hole	(f) Quantity of Emission (Nm ³ / Hr.)	: 22184.10

TEST RESULTS

Test Started on : 03/04/2025

Test Completed on : 08/04/2025

S.No.	Parameters	Unit	Results	Requirements/Specifications (As per CPCB)	Test Method
1	Particulate Matter (PM)	mg/Nm ³	22.4	50	IS : 11255 P-1, 1985
2	Oxides of Nitrogen (NO _x)	mg/Nm ³	63.2	400	USEPA Method 7b, 2017
3	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.5	200	IS : 11255 P-2, 1985

Remarks : N.A.
Opinion/Interpretation

End of Report


Amit Yadav
Technical Manager
Reviewed By




Anshul
Assistant Manager
Authorized Signatory

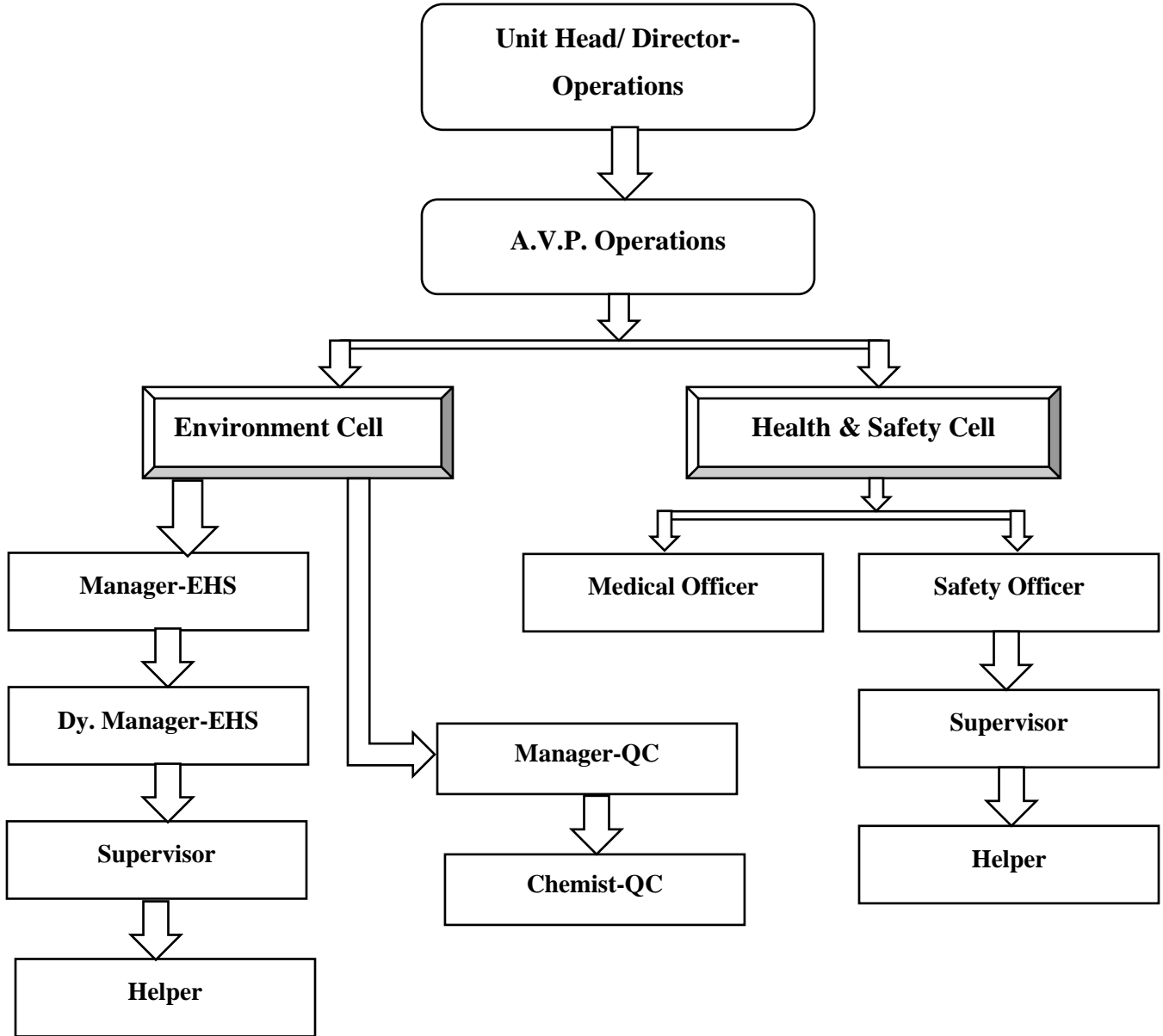
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Document No.: PRPL/SE/7.8 F-02

ANNEXURE – XV
EMP CELL DETAIL


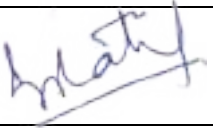

EHS Cell Organogram (Annexure-A)



	Prepared By	Reviewed By	Approved By
Signature & Date			
Designation	Dy. Mgr.- EHS	A.V.P -Operations	Director-Operations

EHS Cell Contact Detail (Annexure-B)

Sr. No.	Person Name	Designation	Phone No.
1.	Mr. K.P. Uniyal	Unit Head	+91-9050555103
2.	Mr. Prashant Patil	A.V.P. Operations	+91-9050555191
Environment Cell			
3.	Mr. Ram Murti Singh	Manager- EHS	+91-9050555145
4.	Mr. Kamaljit Sehgal	Dy. Manager- EHS	+91-7082999755
5.	Mr. Dharmendra	Supervisor	+91-9050555123
6.	Mr. Pradeep	Helper	----
7.	Sanjay Kumar	Skilled Operator	----
8.	Vishwadev Singh	Sr. Production Supervisor	----
9.	Harish Chandra Mishra	Sr. Production Supervisor	----
10.	Mahesh Kumar	Sr. Production Supervisor	----
11.	Durgesh Mishra	Sr. Production Supervisor	----
12.	Rahul Kumar	Production Supervisor	----
13.	Teetu Chauhan	Production Supervisor	----
14.	Mukesh Kumar	Production Supervisor	----
15.	Contractual Helper	15 No-	----
Health & Safety Cell			
16.	Mr. M.P Verma	Medical Officer	+91-9050555113
17.	Mr. Aditya Singh	Safety Officer	+91-9050555124
18.	Mr. Deepak	Supervisor	----
QC Cell			
19.	Mr. Yogpal Singh	Manager-QC	9050555112
20.	Hemant Pandey	Chemist	--

	Prepared By	Reviewed By	Approved By
Signature & Date			
Designation	Dy. Mgr.- EHS	A.V.P -Operations	Director-Operations

ANNEXURE – XVI
BAN ON SINGLE USE PLASTIC



