

STL-K1/EHS/Env/2024-25/03

Date: 29-May-24

Additional Principal Chief Conservator of Forest (C),  
Ministry of Environment, Forest & Climate Change,  
Regional Office (WCZ), Ground Floor, East Wing,  
New Secretariate Building, Civil Lines  
Nagpur – 440 001, Maharashtra.

**Reference:**

1. EC granted for for NPK Fertilizer Manufacturing Unit (F.No. J-11011/167/2016-IA II (I), dt 02.09.2019, EC transfed to M/s. Smartchem Technologies Limited on 18.12.2020.

**Sub: Half yearly Environmental Clearance Compliance report.**

Dear Sir,

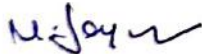
Please find enclosed the half yearly EC compliance report of NPK Fertilizer Manufacturing Unit for the period of Oct-2023 to March-2024.

This is for your information and records please.

Thanking you,

Yours faithfully,

**Mahadhan AgriTech Limited**  
(Formerly known as Smartchem Technologies Ltd )



**Jeyaprakash M**

Head (EHS)

**CC :**

1. SRO, MPCB, Raigad Bhavan, 7th Floor, Sector-11, CBD-Belapur, Navi Mumbai – 400614.
2. Ministry of Environment, Forest, 1<sup>st</sup> Floor, New Administrative Building, Mantralaya, Mumbai – 400032.
3. CPCB Parivesh Bhawan, Opp. VMC Ward Office No. 10, Shubhanpura, Vadodara, Gujarat

EC-11.25 LMPTA NPK (F.No. J-11011/167/2016-IA II (I), dt 02.09.2019, MoEF, IA Div., Indra Paryavaran Bhavn, Jor baug road, Delhi - 110 003.

SN	Conditions	Compliance details for Oct to March 2024	Attachment
I	<b>EC : Specific Conditions</b>		
a	Necessary permission as mandated under WPCPA-197 & APCPA-1981, as applicable from time to time, shall be obtained from the SPCB.	Consent to operate (CTO) including existing capacity of 9.25 LMPTA of multiple grade fertilizer is valid up to 31.03.2026. The consent to establish (CTE) for proposed expansion of 2 LMTPA is obtained. Consent to operate (CTO) will be obtained before going for commercial production.	Copy of CTE.
b	Necessary permission required under the HW and other waste (Mgt & transboundary movement) Rules 2016, shall be obtained and the provision contained in the rules shall be strictly adhered to.	Consent to operate (CTO) including existing capacity of 9.25 LMPTA of multiple grade fertilizer is valid up to 31.03.2026. The consent to establish (CTE) for proposed expansion of 2 LMTPA is obtained. Consent to operate (CTO) will be obtained before going for commercial production.	Copy of CTE.
c	To control source and the fugitive emission, suitable pollution control devices shall be installed to meet the prescribed norms and / or the AAQS. The gaseous emission shall be dispersed through stack of adequate height as per CPCB / SPCB guidelines	<p>Compiled.</p> <p>The adequate pollution control devices such as scrubber are provide.</p> <p>For NPK plant 2 stage tail gas scrubber is provided for scrubbing of Ammonia &amp; Fluorides in sulphuric acid and water as scrubbing media, catalytic scrubbing system is provided for nitric acid plant.</p> <p>The off gases from Dryer, Cooler &amp; Dust extraction system pass through scrubber where Phosphoric acid &amp; Water use as a media for scrubbing. Cyclone separator is used for removing fine dust particles from Dryer, Cooler &amp; Dust extraction system and recycle back to the proces.</p> <p>Adequate stack height is provided to all the emission stack as per CPCB guidelines NPK, Ammonia reformer, Nitric Acid Plant &amp; tankfarm.</p> <p>The online monitoring system (OCEMS) is provided to NPK stack emission &amp; connected to MPCB &amp; CPCB server. The stack &amp; fugitive emissions are monitored regularly by third party MOEF approved lab. 3 Nos of Ambient Air quality monitoring station AAQMS at the premises.</p>	
d	<b>The green belt (GB) shall be developed in 31% i.e. 94122 m2 of the total project area along the plant periphery and also as committed by the project proponent, green belt shall be developed in additionally 2.6 acres' area (i.e. 10,600 m2) adjacent to the plots allotted by the MIDC for green belt development."</b>	<p>Compiled.</p> <p>We have developed &amp; maintained green belt on 33% of total plot area including (31% i.e 94122 Sqm) plant premises, peripheral area including land of 2.6 acres (10,600 Sqm) which is acquired from MIDC.</p>	MIDC land allocated letter, Green belt statement with area & species & with current statement & photographs
e	National emission standard for fertilizer industry issued by the Ministry and amendment from time to time shall be followed.	<p>Compiled.</p> <p>The national emission standard are followed for monitoring the prescribed parameters.</p> <p>The online monitoring system (OCEMS) is provided to NPK plant &amp; connected to MPCB &amp; CPCB server.</p> <p>Periodical stack monitoring is being done by MOEF&amp;CC approved laboratory and all parameters are within the prescribed limits stipulated.</p>	Summary of OCEMS & Lab report
f	10 meter wide green belt of perennial trees around periphery of the plant shall be developed.	<p>Complied.</p> <p>10 meter wide green belt of perennial trees around periphery of the plant has been developed.</p>	Photographs
g	Fresh water requirement shall not exceed 17000 m3 / day from MIDC water supply and prior permission shall be obtained from the concerned authority	<p>Compiled.</p> <p>Fresh water consumption does not exceeded and average consumption is 12302 m3/day in last financial year. The unit receives fresh water supply from MIDC. The monthly &amp; daily summarized details of water consumption are given in attachment.</p>	Water consumption summary for Six Month form Apr 2023-Sep 2023
h	Only 2309 m3/day wastewater shall be sent to CETP".shall be implemented before the expansion operation.	<p>Compliance assured.</p> <p>Currently we are operating as per existing EC capacity.</p>	Copy of EC Amendment
i	Closed cooling system shall be provided to the CT	Noted, Our cooling towers are Cross-Flow Cooling Tower in a closed-loop cooling network	

	j	As proposed adequate scrubber shall be provided to all reactors. Scrubber efficiency shall be > 99.9%	Complied. The adequate & efficient pollution control devices such as scrubber are provide. For NPK plant 2 stage tail gas scrubber is provided for scrubbing of Ammonia & Fluorides in sulphuric acid and water as scrubbing media, catalytic scrubbing system is provided for nitric acid plant.  The off gases from Dryer, Cooler & Dust extraction system pass through scrubber where Phosphoric acid & Water use as a media for scrubbing. Cyclone separator is used for removing fine dust particles from Dryer, Cooler & Dust extraction system & send back to recycle.	
	k	1000 trees / year shall be planted during 5 years in nearby villages with the consultation of the villagers. Survival rate of plants shall be reported to RO, MOEFCC in 6 monthly compliance report.	<b>Compliance is in process.</b> Forest land of 5 acers at Mahalungi village (Near to site) has been acquired for compliance and We have completed plantation and FY 2021-22 & 2022-23 and 2023-24 we have planted 3000 trees with survival rate is above 95%.	Green belt statement with area & species & photographs.
	l	<b>The Committee deliberated the submission of the project proponent after detailed deliberations, recommended to utilize 0.75 % CER as stipulated in the EC dated 02.09.2019 and other 4.25% of the project in EMP related activities mentioned in EIA/EMP report and various commitments/activities made in public consultation. (Condition is amended in Sep 2021)</b>	<b>Compliance is in process.</b> Funds have been allocated for CER and as per the amended condition we have spent 0.75% funds towards digitalization of nearest schools and remaining 4.25 percent will be in process.	Statement of CSE /CER & CSR report
	m	A regular environment manager having PG qualification in environmental science / engg. to be appointed for looking after the environment management	Complied. Environment manager having PG qualification in environmental science is appointed for looking after the	
	n	Scrubber to be provided to all emission sources.	Complied. The adequate & efficient pollution control devices such as scrubber are provide. For NPK plant 2 stage tail gas scrubber is provided for scrubbing of Ammonia & Fluorides in sulphuric acid and water as scrubbing media, catalytic scrubbing system	
	o	Continuous online (24x7) monitoring to be installed for flow measurement and measurement of pollutants within the treatment unit. Data to be uploaded on company's website and provided to the respective RO, MPEFCC, CPCB & SPCB.	Complied. Continuous online monitoring system (OCEMS) is installed on outlet of treated effluent of ETP and the same is connected to MPCB & CPCB portals' & CPCB shall access the online monitoring data through the OCEMS system.	Summary of OCEMS & Lab report
	p	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per The Factories Act.	Complied. The company has full-fledged Occupational Health Centre with medical doctor, male nurses, Ambulance with all required equipment & infrastructures etc. Occupational health surveillance of the Employees and contractor workers is done on a regular basis and records are maintained as per the Factories Act.	
	q	The unit shall make the arrangement for protection of possible fire hazard during manufacturing process in material handling. Firefighting system shall be as per norms.	Adequate fire extinguishers & fire hydrant system is installed & maintained. The details of Fire Fighting Network and preparedness of unit in case of fire is detailed in Onsite Emergency Plan.Smoke detector and fire alarms are provided. Dedicated fire team in available 24x7 for fire protection & survilance.Fire training & Mock drills are continuously arranged.	
	r	The by-product which fall under hazardous waste rules, be handled as per the provision of the said rules and necessary permissions shall be obtained under the said rules.	Not Applicable.  The hazardous waste shall be handled & disposed/recycled according to the hazardous waste management guidelines.	
	<b>II EC :Generic Conditions</b>			
	i	The PP must strictly adhere to the stipulation made by the SPCB, sate Govt. & / or any other statutory authority.	Noted and being complied.	
	ii	No further expansion or modification in the plant shall be carried out without prior approval of MOEFCC. In case of deviation or alterations in the project proposal from those submitted to the Ministry for clearance, a fresh refence shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measure required, if any.	Noted. No expansion at the site will be carried out without prior approval of MOEF,CPCB & MPCB and the same will be maintained in future.	
	iii	The locations of AAQMS stations shall be decided in consultation with SPCB and it shall be ensure that at least one station each is installed in the upwind and down direction as well as where maximum ground level concentration are anticipated.	3 Nos of Continuous online Ambient air (CAAQMS) stations are installed as per AAQMS standard (120 deg interval). data from the same transmitted to MPCB portals. For the parameters which are not captured in the CAAQMS stations are monitored monthly by third party MOEF&CC approved laboratory. The summary of CAAQMS for this compliance period is attached.	Summary of CAAQMS for this compliance period
	iv	The NAAQES issued by the Ministry vide GSR No. 826 (E), dated 16.11.2009 shall be complied with.	4 Nos of Continuous online Ambient air (CAAQMS) stations are installed as per AAQMS standard (120 deg interval). data from the same transmitted to MPCB portals. For the parameters which are not captured in the CAAQMS stations are monitored monthly by third party MOEF&CC approved laboratory. The summary of CAAQMS for this compliance period is attached.	summary of CAAQMS for this compliance period

	v	The overall noise levels in and around the plant shall be kept well within the standard by providing noise control measure including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under EPA-1986, EPR-1989 viz. 75 dBA (day time) and 70 dBA (night time).	The overall noise levels in and around the plant area are kept within the standards by providing noise control measures. The Unit has provided acoustic enclosures, preventive maintenance, to high noise generating machinery. The employees are provided Ear plug, ear muff while approaching to equipment. The green belt developed to curtain ambient air noise levels.  Respective OEMS have provided equipment with inbuilt control on the noise like silences, hood etc. Also we have provided noise protective PPEs to employees in high noise area. Summary of noise monitoring in this compliance period attached.	Summary of noise monitoring in this compliance period
	vi	The company shall harvest rain water from the roof top of the buildings to recharge ground water, and to utilize the same for different industrial operations within the plant.	System for rain water harvesting is provided at existing WNA 3 & 4 plant.	Rainwater Harvest data of Last rainy season
	vii	Training shall be imparted to all employees on S&H aspects of chemicals handled. Pre-employment and routine medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied. Training and refresher training are provided to employees and contractor on S&H topic including chemicals. Pre-employment and routine medical examinations for all employees has been undertaken on regular basis.	
	viii	The company shall comply with all the environmental protection measure and safeguard proposed in the documents submitted to the Ministry. All the recommendation made in the EIA / EMP in respect of environmental management, risk mitigation measure and public hearing shall be implemented.	Complied. The company is complying with all the environmental protection measures and safeguards as proposed in the documents submitted to the Ministry. All the recommendations made in the EIA / EMP in respect of environmental management, risk mitigation measures relating to the project will be implemented. The issued which are raised in public hearing are addressed & satisfactory complied.	
	ix	The company shall undertake all measure for improving socio-economic conditions of the surrounding area. CSR activity shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measure shall be undertaken for overall improvement of the environment.	Complied. As a part of CSR various initiatives are taken involving villagers and other stack holders to meet socio-economic objectives.  CSR report for FY 2022-23 is attached	CSR report
	x	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carryout the environmental management and monitoring function.	Complied. A separate environment management cell equipped with full-fledged laboratory facilities has been provided to carryout the environmental management and monitoring function.	
	xi	The company shall earmark sufficient funds toward capital cost and recurring cost per annual to implement the conditions stipulated by the MOEFCC as well as the state govt. along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management / pollution control measure shall not be diverted for any other purpose.	Noted. The sufficient funds are allocated towards EMP with capital & recurring cost.	
	xii	A copy of the clearance shall be sent by the PP to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions / representation, if any, were received while processing the proposal.	Complied. Copy of the clearance shall be sent by the PP to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban local body and the local NGO,	
	xiii	The PP shall also submit 6 monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective RO, MOEFCC, the respective zonal officer of CPCB & MPCB. A copy of EC and 6 monthly compliance status report shall be posted on the company website.	Complied. Last 6 monthly compliance report was submitted on 30th May 2022 for the compliance period of Oct to March.	
	ix	The EC for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned SPCB as prescribed under EPA-1986, as amended subsequently, shall also be put on the company website along with status of compliance of EC conditions and shall also be sent to respective RO, MOEFCC by e-mail.	Complied. Environment statement in Form-V for the year 2021-22 is submitted on 28th Sep 2022.	
	xx	The PP 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 at <a href="http://moef.nic.in">http://moef.nic.in</a> . This shall be advertised within 7 days from the date of issue of the clearance letter, at least in two local news papers that are widely circulated in the region of which on shall be in the vernacular language of the locality concerned and copy of the same shall be forwarded to the concerned RO of the Ministry.	Complied. The advertisement in two local news papers on information 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 at <a href="http://moef.nic.in">http://moef.nic.in</a> .	
	12	The ministry reserve right to stipulate additional conditions, If found necessary to subsequent stage & project proponent shall implement all the said condition in timebound manner. The ministry shall revoke & suspend the environmental clearance ,if implementation of any of above conditions is not found satisfactory.	Compliance assured.	

13	The above condition will be enforced, Inter-alia under the provision of water (Prevention & Control of pollution) act 1974, The Air (Prevention & Control of pollution) Act 1981 & Environmental (Protection act 1986, The hazardous waste rules (Management & Transboundary movement Rule 2016 & The Public Liability act 1991 read with subsequent amendments therein.	Compliance assured.	
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## ANNEXURE : 2

### Green Belt statement development

*EC Condition 11. (d) : The green belt (GB) shall be developed in 31% i.e. 94122 m<sup>2</sup> of the total project area along the plant periphery and also as committed by the project proponent, green belt shall be developed in additionally 2.6 acres' area (i.e. 10,600 m<sup>2</sup>) adjacent to the plots allotted by the MIDC for green belt development."*

**Compliance details :** Compiled. We have maintained 33% green belt in & around our plant premises.

To meet this requirement with due clearance form MOEFCC EAC we have taken 2.6 acre MIDC plot connected to our premises and used it totally for development of green belts (2% of remaining green belt). Attaching plot acquisition letter of MIDC.

Details Total Plot	Plot area (Sqm)	Total Green belt area (Sqm)	Total Green Belt (%)	Species	Survival rate
K-1 TO k-5 (Plant site)	303619.4	94122	31.00	Gulmohar, Kadamb, Baniyan,	95%
OS 16/4 & OS 17/1 (Additional land)	10600	10600	3.49	Kadunimb, Badam, Leptopariya babul etc.	95%
<b>Total</b>	--	10600	<b>34.49</b>		--

#### PHOTGRAPHS OF GREEN BELT :

##### 1. Inside Premises :



## 2. Peripheral Side /Along the Boundry



### 3. MIDC Plot (OS 16 & 17):





F.No.J-11011/167/2016-IA II (I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division

Indira Paryavaran Bhawan  
Jor bagh Road, Delhi - 3  
Dated: 2<sup>nd</sup> September, 2019

To,  
M/s Deepak Fertilizers and Petrochemicals Corporation Limited  
Plot K1-K5, MIDC Industrial Area,  
Taloja, District Raigad (Maharashtra)

**Sub: Expansion of fertilizer plant of M/s Deepak Fertilizers and Petrochemicals Corporation Limited at Plot K1-K5, MIDC Industrial Area, Taloja, District Raigad (Maharashtra) - Environmental Clearance - reg.**

**Ref.: Online proposal No.IA/MH/IND2/53379/2016 dated 27<sup>th</sup> April, 2017.**

Sir,

This has reference to your online proposal No.IA/MH/IND2/53379/2016 dated 27<sup>th</sup> April, 2017 for environmental clearance to the above project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of fertilizer manufacturing unit from 6 Lakh MTPA to 11.25 Lakh MTPA by M/s Deepak Fertilizers and Petrochemicals Corporation Limited in an area of 3,03,619.4 sqm. at Plot K1-K5, MIDC Industrial Area, Taloja, District Raigad (Maharashtra). The project involves increase in production capacity of multiple grades of NPK fertilizers from 6 lakh to 8 lakh MTPA, and to continue the production of Ammonium Nitro Phosphate @325000 MTPA with the existing ANP Plant.

3. The details of the products presently manufactured and after the proposed expansion are as under:-

S. No.	Name of Product	Production Capacity (MTPA) unless mentioned		
		Existing	Proposed	Total
	<b>Proposed Expansion</b>			
1.	<b>NPK fertilizers</b>	<b>6.0 Lakh</b>	<b>3.25* +2 Lakh</b>	<b>11.25 Lakh</b>
	<b>Existing Products</b>			
1	Liquid CO <sub>2</sub>	72,000	-	72,000
2	Ammonia	1,40,400	-	1,40,400
3	Methanol	99,996	-	99,996
4	Weak Nitric Acid	4,45,500	-	4,45,500
5	Concentrated Nitric Acid	1,29,600	-	1,29,600
6	** Ammonium Nitrate Phosphate	3,24,900	-	3,24,900
7	Low Density Ammonium Nitrate Plus Ammonium Nitrate Melt	1,44,000	-	1,44,000
8	Iso Propyl Alcohol (IPA)	70,200	-	70,200



9	Electric Power	9.4 MW	-	9.4 MW
10	Steam	1,056	-	1,056
11	Bentonite Sulphur Pastilles	25,000	-	25,000
12	Ammonium Nitrate Prills (Low Density)	2,00,000	-	2,00,000
13	Ammonium Nitrate Prills (High Density)	1,00,000	-	1,00,000
14	Iso Propyl Alcohol (For drum filling operation)	15,000	-	15,000
15	Di Iso Propyl Ether (DIPE) (For drum filling operation Packaging operation)	15,000	-	15,000
16	Gas Based Power Generation (Excluding DG Sets)	17.9 MW	-	17.9 MW
<b>BY – PRODUCT</b>				
1	Propane	33,000	-	33,000
2	Calcium Phosphate	210	-	210
3	Crude DIPE	1,440	-	1,440
4	Hydrogen Gas	960	-	960
5	Crude IPA/NPA Mixture	1,080	-	1,080

\* Existing 3.25 Lakh MTPA ANP (Prilling) plant to be put for continuous operation.

4. Existing land area is 303619.4 m<sup>2</sup> within MIDC. No additional land will required for the proposed expansion. The estimated cost for the proposed expansion is Rs.190 crores. Total capital cost earmarked towards environmental pollution control measures is Rs.1.975 crore and the recurring cost (O&M) will be about Rs. 0.19 crore per annum. Total employment will be provided to 35 persons as direct & 20 persons indirect.

5. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc within 10 km. River Karsadi flows at 1 km in South West.

6. Total water requirement is estimated to be 20,346 cum/day, which includes fresh water requirement of 19,196 cum/day proposed to be met from MIDC water supply. Total effluent generated will be 2,876 cum/day, which will be treated in the existing ETP followed by RO of capacity 4,800 cum/day. Permeate water from the RO will be reused in plant while RO reject will be sent to CETP for further treatment.

Power requirement will be 315.5 MW proposed to be met from Maharashtra State Electricity Distribution Company Limited. Existing unit has 7 DG sets of total capacity 5,710 KVA. No additional DG sets would be required for the proposed expansion. Process/fresh steam from existing facilities will be used to meet the requirements.

7. Details of solid/ hazardous waste generation and its management are as follows:

S. No.	Type	Unit	Quantity			Method of disposal
			Existing	Proposed	Total	
1	Used/spent oil	TPA	126.5	3.49	130	Sale to Authorized party approved by MPCB / CPCB
2	Wastes/residue containing oil	TPA	50.1	4.878	55	CHWSTDF

3	Spent catalyst	TPA	110	0	110	Sale to recycler / CHWSTDF
4	Spent catalyst	TPA	48.3	0	48.3	Sale to Authorized party approved by MPCB / CPCB
5	Date-expired, discarded and off-specification product	TPA	734	0	734	Sale to recycler
6	Residues and wastes	TPA	38	2	40	Sale to recycler / CHWSTDF
7	Discarded containers/ barrels / liner	Numbers	346	0	346	Sale to authorized party for decontamination
			3,012	0	3,012	CHWTSDf
			800	100	900	CHWTSDf

8. The project/activities are covered under category A of item 5(a) 'Chemical fertilizers' of the schedule to the Environment Impact Assessment Notification, 2006, and require appraisal/approval at central level by the sectoral EAC in the Ministry.

9. The Terms of reference for the project was granted on 21<sup>st</sup> September, 2016. Public hearing was conducted by the State Pollution Control Board on 31<sup>st</sup> January, 2017.

10. The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meetings held on 5-7 July, 2017 & 26-28 June, 2019, wherein the project proponent and their accredited consultant presented the EIA/EMP Report. The Committee found the EIA/EMP report to be satisfactory, complying with the ToR, and recommended the project for grant of environmental clearance.

11. Based on the proposal submitted by the project proponent and recommendations of the EAC, Ministry of Environment, Forest and Climate change hereby accords environmental clearance to the project for **expansion of fertilizer manufacturing unit from 6 lakh MTPA to 11.25 lakh MTPA** by M/s Deepak Fertilizers and Petrochemicals Corporation Limited at Plot K1-K5, MIDC Industrial Area, Taloja, District Raigad (Maharashtra), under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as below:-

(a) 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, shall be obtained from the State Pollution Control Board.

(b) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.

(c) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

(d) The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

*SH*

- (e) National Emission Standards for Fertilizer Industry issued by the Ministry and amended from time to time shall be followed.
- (f) 10 m wide green belt of perennial trees around periphery of the plant shall be provided.
- (g) Fresh water requirement shall not exceed 17000 m<sup>3</sup>/day from MIDC water supply and prior permission shall be obtained from the concerned authority.
- (h) Only 1500 m<sup>3</sup>/day waste water shall be sent to CETP.
- (i) Closed cooling system shall be provided to the cooling towers.
- (j) As proposed adequate scrubbers shall be provided to all reactors. The efficiency of scrubbers shall be more than 99.9%.
- (k) 1000 trees/year shall be planted during 5 years in nearby villages with the consultation of the villagers. Survival rate of plants shall be reported to RO, MoEF&CC in 6 monthly compliance reports.
- (l) At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) and shall be used only for providing laptops to the school student through school management.
- (m) A regular environment manager having post graduate qualification in environmental sciences/ environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.
- (n) Scrubbers shall be provided to all emissions sources.
- (o) Continuous online (24x7) monitoring to be installed for flow measurement and measurement of pollutants within the treatment unit. Data to be uploaded on company's website and provided to the respective RO of MEF&CC, CPCB and SPCB.
- (p) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (q) 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.
- (r) The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.

**11.1** The grant of Environmental Clearance is further subject to compliance of other generic conditions as under:-

- (i) The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and/ or any other statutory authority.



(ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. 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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

(iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be complied with.

(v) 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(vi) The Company shall harvest rainwater from the roof tops of the buildings to recharge ground water, and to utilize the same for different industrial operations within the plant.

(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

(viii) 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, risk mitigation measures and public hearing shall be implemented.

(ix) The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.

(x) A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

(xi) 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.

(xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

*SD*


(xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective 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.

(xiv) The environmental statement for each financial year ending 31<sup>st</sup> 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 Regional offices of MoEF&CC by e-mail.

(xv) 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 at <http://moef.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.


12. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

13. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991, read with subsequent amendments therein.

  
2/9/2019  
(S. K. Srivastava)  
Scientist E

**Copy to:-**

1. The Principal Secretary, Environment Department, Government of Maharashtra, 15<sup>th</sup> Floor, New Administrative Building, Mantralaya, **Mumbai** (Maharashtra) – 32
2. The Additional Principal Chief Conservator of Forests, Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, **Nagpur** (Maharashtra)
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, **Delhi** - 32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> & 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, **Mumbai** - 22
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhawan, Jor Bagh Road, **New Delhi** - 3
6. Guard File/Monitoring File/Record File

  
2/9/2019  
(S. K. Srivastava)  
Scientist E

**File No. J-11011/167/2016-IA II (I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**Impact Assessment Division**  
**(Industry-3)**

\*\*\*

Indira Paryavaran Bhawan,  
Jor Bagh Road,  
New Delhi – 110003.

Dated: 16<sup>th</sup> January, 2023

**To**

**M/s Smartchem Technologies Limited,**  
Plot No. K-1, MIDC area, Taloja,  
Raigad, Maharashtra - 410208.  
E-Mail ID: [nandkishor.dabade@dfpcl.com](mailto:nandkishor.dabade@dfpcl.com)

**SUB.: Expansion of the Fertilizer Plant located at Plot K1- K5, MIDC Industrial area, Taloja, District Raigad, Maharashtra by M/s Smartchem Technologies Limited - Amendment in Environmental Clearance**

**REF.:** Your proposal No. IA/MH/IND3/276713/2022, dated 21<sup>st</sup> June 2022, on the above subject matter.


Sir/Madam,

1. The proposal is for amendment in the Environmental Clearance granted by the Ministry vide letter dated 2<sup>nd</sup> September, 2019 (F. No. J-11011/167/2016-IA-II(I)) for the Expansion of the Fertilizer Plant of Deepak Fertilizers and Petrochemicals Corporation Limited located at Plot K1- K5, MIDC Industrial area, Taloja, District Raigad, Maharashtra. The EC was subsequently transferred from M/s Deepak Fertilizers and Petrochemicals Corporation Limited to M/s Smartchem Technologies Limited vide letter of even no. dated 18.12.2020.
2. The proposal was appraised by the Expert Appraisal Committee (Industry-3) in its 34<sup>th</sup> and 43<sup>rd</sup> meetings held on 13<sup>th</sup> July, 2022 and 30<sup>th</sup> November 2022 respectively, wherein the EAC deliberated on various issues. The EAC recommended the following amendment in the EC, subject to additional conditions:  
**The specific condition no. (h) under para 11 of the EC, shall be revised/read as “Only 2309 m<sup>3</sup>/day wastewater shall be sent to CETP”.**
3. The Ministry of Environment, Forest and Climate Change hereby accords approval for the above amendment in the EC dated 2<sup>nd</sup> September, 2019 subject to the following additional conditions with all other terms and conditions stipulated in the EC remaining unchanged.
  - i. 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.


- ii. 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.

This issues with approval of the competent authority.

  
(Dr. M. Ramesh)  
Scientist 'E'

**Copy to: -**

1. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001.
2. The Secretary, Environment and Climate Change Department, Govt. of Maharashtra, New Administrative Bhavan, 15<sup>th</sup> Floor, Madame Cama Road, Mantralaya, Mumbai – 400032.
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032.
4. The Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 110011.
5. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022.
6. The District Collector, Raigad District, Maharashtra.
7. Guard File/Monitoring File/PARIVESH.

  
(Dr. M. Ramesh)  
Scientist 'E'  
Tel.: 011-20819338  
Email: [ramesh.motipalli@nic.in](mailto:ramesh.motipalli@nic.in)





By Speed Post/Online

F. No. IA-J-11011/167/2016-IA II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)

\*\*\*

Indira Paryavaran Bhawan  
Jorbagh Road, New Delhi - 110003

Dated: 16<sup>th</sup> November, 2021

To,

**M/s Smartchem Technologies Limited**  
Plot K1-K5, MIDC Industrial area,  
Taloja, District Raigad,  
Maharashtra- 410208

Email: [nandkishor.dabade@dfpcl.com](mailto:nandkishor.dabade@dfpcl.com)

**Sub.: Expansion of Fertilizer plant, located at Plot K1-K5, MIDC Industrial area, Taloja, District Raigad, Maharashtra by M/s Smartchem Technologies Limited - Amendment in Environment Clearance regarding.**

Sir,

This has reference to your online proposal No. IA/MH/IND3/231491/2021 dated 27<sup>th</sup> September, 2021, for amendment in the environmental clearance granted by the Ministry vide letter of even number dated 2nd September, 2019 for the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has granted the environmental clearance to the project for expansion of Fertiliser plant to M/s Deepak Fertilisers and Petrochemicals Corporation Limited, located at Plot K1-K5, MIDC Industrial area, Taloja, District Raigad, Maharashtra vide letter of even no. dated 02.09.2019. Further, the environmental clearance was transferred to M/s Smartchem Technologies Limited vide letter of even no. dated 18.12.2020. Now Project Proponent has submitted the application for modification/amendments in EC.

3. The proposal was considered by the Expert Appraisal Committee (Industry-3 Sector) in the Ministry in its meeting held on 5-6 October, 2021. The EAC noted that the PP has submitted the application for reduction of green belt (GB) development from 33 % to 31 % and accordingly the proposal was placed before the EAC held in May 2021 wherein the EAC did not agree for reduction of GB and reiterated that 33% of the total project area for allocation of GB development and suggested to increase the density of plantation and accordingly PP resubmitted the detailed GB development program. PP has also informed to the EAC that MIDC has allotted 2 vacate plots adjacent to the Unit of 2.6 acres area [8800 m<sup>2</sup> (MIDC Plot No. OS 16/4) & 1800 m<sup>2</sup> (MIDC plot No. OS 17/1)] for Green Belt development to M/s Smartchem Technologies Limited. With development of Green Belt on this additionally 2.6 acre, PP will comply with Green Belt in the area of 34 % of the project area. Accordingly, the EAC has recommended the proposal in its

meeting held on October 5-6, 2021. Detailed Minutes of the EAC meeting is available on the Parivesh Portal [www.parivesh.nic.in].

4. The Committee, after deliberations, has **recommended** the proposed amendments in the said environmental clearance, in the following manner:

**(a) Para 11. (d) shall be revised and read as under:**

*“(d) The green belt (GB) shall be developed in 31% i.e. 94122 m<sup>2</sup> of the total project area along the plant periphery and also as committed by the project proponent, green belt shall be developed in additionally 2.6 acres’ area (i.e. 10,600 m<sup>2</sup>) adjacent to the plots allotted by the MIDC for green belt development.”*

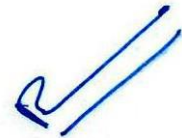
**(b) Para 11. (l) shall be revised and read as under:**

*“(l) The Committee deliberated the submission of the project proponent after detailed deliberations, recommended to utilize 0.75 % CER as stipulated in the EC dated 02.09.2019 and other 4.25% of the project in EMP related activities mentioned in EIA/EMP report and various commitments/activities made in public consultation.”*

5. The matter has been examined in the Ministry and based on recommendations of the EAC, **the Ministry of Environment, Forest and Climate Change hereby accords approval to the proposed amendments in the environmental clearance dated 02.09.2019, as stated in para 4 above**, for the project “Expansion of Fertilizer plant”, at Plot K1-K5, MIDC Industrial area, Taloja, District Raigad, Maharashtra.

6. All other terms and conditions stipulated in the environmental clearance dated 2<sup>nd</sup> September 2019 shall remain unchanged.

7. This issues with the approval of the competent authority.

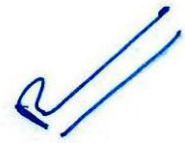


**(Dr. R. B. Lal)**  
**Scientist ‘E’/Additional Director**  
Tele-fax: 011-24695362  
Email-rb.lal@nic.in

**Copy to:-**

1. The Secretary, Environment and Forests Department Secretariat, Government of Maharashtra, MECL Building, Dr. Ambedkar Bhawan, Seminary Hills, Civil Lines, Nagpur-440006 (Maharashtra)
2. The Deputy Director General of Forests(C), Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Nagpur (Maharashtra)

3. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi -110001
5. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Mumbai - 400 022 (Maharashtra)
6. The District Collector, Raigad District, Maharashtra
7. Guard File/Monitoring File/Record File/Parivesh Portal



**(Dr. R. B. Lal)**  
**Scientist 'E'/Additional Director**  
Tele-fax: 011-24695362  
Email-rb.lal@nic.in



# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

RED/L.S.I (R52)

Date: 21/02/2024

No:- Format1.0/CC/UAN No.MPCB-  
CONSENT\_AMMENDMENT-0000012321/CO/2402000044

To,  
Smartchem Technologies Limited,  
Plot Nos. K-1, K-1 (Part-1), K-1 (Part-2), MIDC Taloja,  
Tal. Panvel, Dist. Raigad.



**Sub: Amendment in existing Consent to Operate. under RED category.**

- Ref:**
1. Environment Clearance accorded vide F. No. J-11011/320/2012-IA II (I) dtd. 12.10.2015.
  2. Environment Clearance accorded vide F. No. J-11011/167/2016-IA II (I) dtd. 02.09.2019.
  3. Environment Clearance Amendment accorded vide F. No. J-11011/ 167/ 2016-IA II (I) dtd. 18.12.2020.
  4. Previous Renewal of Consent to Operate accorded vide No. Format 1.0/ CAC/ UAN No. 0000108040/CO-2108001159 dated 20.08.2021.
  5. NCLT order dtd. 30.03.2017.
  6. Consent to Operate amendment application UAN No. 0000005591 dtd. 16.12.2020.
  7. Minutes of 20th Consent Appraisal Committee meeting held on 11.01.2024.

Your application No.MPCB-CONSENT\_AMMENDMENT-0000012321 Dated 13.12.2023

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 31/03/2026**
2. **The capital investment of the project is Rs.1213.6027 Crs. (As per C.A Certificate submitted by industry Previous C.I. Rs. 2510.99 Crs - Decrease in C.I. due to demerger Rs. 1297.2873 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Ammonia	140400	MT/A
2	Weak Nitric Acid (WNA) from WNA-I, WNA-II & WNA-IV	346500	MT/A

<b>Sr No</b>	<b>Product</b>	<b>Maximum Quantity</b>	<b>UOM</b>
3	Technical Grade Ammonium Nitrate & AN Melt	144000	MT/A
4	Multiple Grade NPK Fertilizer (Different grades of AN and DAP based NPK Fertilizer with an option of producing fortified grades from the same units as per EC)	925000	MT/A
5	Electric Power (Coal based)	9	MW
6	Steam	1680	MT/Day
7	Calcium Phosphate	210	MT/A
8	Hydrogen Gas	960	MT/A
9	CO2 gas	72000	MT/A

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

<b>Sr No</b>	<b>Description</b>	<b>Permitted (in CMD)</b>	<b>Standards to</b>	<b>Disposal Path</b>
1.	Trade effluent	1703.52	As per Schedule -I	Treated effluent discharged in outlet sump of CETP.
2.	Domestic effluent	70	As per Schedule -I	Treated effluent discharged in outlet sump of CETP.

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

<b>Sr No.</b>	<b>Stack No.</b>	<b>Description of stack / source</b>	<b>Number of Stack</b>	<b>Standards to be achieved</b>
1	S-1	NPK process stack Train 1	1	As per Schedule -II
2	S-2	NPK process stack Train 2	1	As per Schedule -II
3	S-3	ANP PRILLING TOWER	1	As per Schedule -II
4	S-4	AN PRILLING TOWER	1	As per Schedule -II
5	S-5	COAL FIRED BOILER (36 & 70 TPH)	1	As per Schedule -II
6	S-6	DG SET (500 KVA) - AMMONIA PLANT	1	As per Schedule -II
7	S-7	DG SET (500 KVA) WNA IV PLANT	1	As per Schedule -II
8	S-8	DG SET (1000 KVA) ANP PLANT	1	As per Schedule -II
9	S-9	DG SET (1010 KVA) FOR AMMONIA COMPRESSOR	1	As per Schedule -II
10	S-10	DG SET (750 KVA) NPK PLANT	1	As per Schedule -II
11	S-11	WNA-I Plant	1	As per Schedule -II
12	S-12	WNA-II Plant	1	As per Schedule -II
13	S-13	WNA-IV Plant	1	As per Schedule -II
14	S-14	Ammonia Primary Reformer	1	As per Schedule -II
15	S-15	Ammonia storage flare	1	As per Schedule -II

<b>Sr No.</b>	<b>Stack No.</b>	<b>Description of stack / source</b>	<b>Number of Stack</b>	<b>Standards to be achieved</b>
16	S-16	Ammonia main flare	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	Canteen food waste	912.5	Kg/Annum	Composting (in house or Auth. party)	Used as manure
2	Paper waste cartoon ETC	547.7	Kg/Annum	NA	Sale to Auth. Party/ Vendor
3	Packaging Waste	730	Kg/Annum	NA	Sale to Auth. Party/ Vendor
4	Insulation Waste	20	MT/A	Landfill	CHWTSDF
5	Spun filter	1	MT/A	Incineration/ Landfill	CHWTSDF
6	Coal Ash	10220	MT/A	NA	Sale to Brick/ Cement Manufacturers
7	Ash due to Coal & Lime treatment	17520	MT/A	NA	Sale to Brick/ Cement Manufacturers

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

<b>Sr No</b>	<b>Category No./ Type</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	5.1 Used /spent oil	80	KL/A	Recycle	Sale to Auth. Party/ CHWTSDF
2	5.2 Wastes/residue containing oil	2.8	MT/A	Incineration	CHWTSDF
3	33.1 Discarded containers / liners	115	MT/A	Recycle	Sale to Auth. Party/ CHWTSDF
4	33.1 Used Containers	1012	Nos./Y	Recycle	Sale to Auth. Party/ CHWTSDF
5	35.3 Chemical sludge from waste water treatment	450	MT/A	Recycle/ Landfill	Used as Filler at NPK Plant/ CHWTSDF
6	17.2 Spent Platinum Rhodium catalyst	35	Kg/Annum	Recycle	Sale to Auth. Party/ CHWTSDF
7	5.2 Used oil filter (non metallic)	15	Nos./Y	Incineration	CHWTSDF
8	17.2 Spent/ Used Denox catalyst (Once in six years)	3.5	MT	Recycle	Sale to Auth. Party/ CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
9	34.1 Chemical-containing residue arising from decontamination.	2	MT/A	Incineration	CHWTSDF
10	17.2 Iron Oxide catalyst	5.46	MT/A	Recycle	Sale to Auth. Party/ CHWTSDF
11	17.2 Nickel Catalyst from Reformer	4.54	MT/A	Recycle	Sale to Auth. Party/ CHWTSDF
12	17.2 Zinc Oxide Catalyst	4.75	KL/A	Recycle	Sale to Auth. Party/ CHWTSDF
13	35.2 Spent ion exchange resin	6	MT/A	Recycler/ Incineration	Sale to Auth. Party/ CHWTSDF
14	33.1 Spray Cans	50	Nos./Y	Recycle	Sale to Auth. Party/ CHWTSDF

8. **Conditions under Batteries (Management & Handling) Rules, 2001:**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Lead Acid Batteries	20.00	Nos./Y	Sale to Auth. Party/ Recycler
2	Ni-Cd Batteries	100.00	Nos./Y	Sale to Auth. Party/ Recycler/ CHWTSDF
3	Dry Cell Batteries	100.00	Nos./Y	Sale to Auth. Party/ Recycler/ CHWTSDF

**Specific Conditions for used Batteries:**

- The applicant shall ensure that used batteries are not disposed of in any manner
- other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.
  - The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
  - Bulk consumers to their user units may auction used batteries to registered recyclers only.

9. **Conditions under E-Waste Management:**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	E- Waste	2.00	MT/A	Sale to Auth. E-waste Handler/ Recycler

10. **Treatment and Disposal of Biomedical Waste generated to CBMWTSDF:**

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
1	Yellow	a) Soiled Waste	40.00	Yellow colored non-chlorinated plastic bags	CBMWTSDF
2	Red	Contaminated waste (Recyclable)	10.00	Red colored non-chlorinated plastic bags or containers	CBMWTSDF

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
3	White (Translucent)	Waste sharps including Metals	10.00	Puncture proof, Leak proof, tamper proof container	CBMWTSDf
4	Blue	a) Glassware	40.00	Puncture proof & leak proof boxes or containers with blue colored marking.	CBMWTSDf

11. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
12. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
13. Industry shall operate and maintain ETP to achieve Consented standards.
14. Industry will be held jointly and severally responsible for operation and maintenance of ETP and, in case, if JVS results exceeds Consented standards, then both the unit i.e. M/s Deepak Fertilizers & Petrochemicals Corporation Ltd. and M/s Smartchem Technologies Limited will be held equally & jointly responsible.
15. Treated effluent shall be discharged into CETP for further treatment & disposal.
16. Industry shall comply with the conditions stipulated in interim directions on 17.09.2020.
17. PP shall carry out Prilling tower emission monitoring and submit report thereof within three months.
18. Industry shall comply with the conditions stipulated in the Environment Clearance dtd. 12.10.2015, 02.09.2019 & 18.10.2020.
19. Industry shall furnish BG of Rs. 25 Lakh towards operation and maintenance of Pollution Control Systems and towards compliance of the Consent conditions.
20. The consent is issued with the overriding effect to earlier Renewal of Consent to Operate accorded vide No. Format 1.0/ CAC/ UAN No. 0000108040/CO-2108001159 dated 20.08.2021.
21. This consent is issued as per the minutes of 20th Consent Appraisal Committee meeting held on 11.01.2024.



*Avinash*

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**Signed by: Dr. Avinash Dhakne**  
Member Secretary  
For and on behalf of,  
**Maharashtra Pollution Control Board**  
ms@mpcb.gov.in  
2024-02-21 12:49:47 IST



**Received Consent fee of -**

<b>Sr.No</b>	<b>Amount(Rs.)</b>	<b>Transaction/DR.No.</b>	<b>Date</b>	<b>Transaction Type</b>
1	500.00	MPCB-DR-4533	23/02/2021	RTGS

**Consent to Operate fees of Rs. 1,21,35,500/- for this application is adjusted from the balance fees of Rs. 2,25,98,920/- of Consent No. Format 1.0/CAC/UAN No. 0000094852/CR-2011001174 dtd. 24.11.2020. Consent fees of Rs. 39,26,127/- is adjusted for M/s Deepak Fertilizers & Petrochemicals Corp. Ltd., Plot No. K-1, K-1 Part-1, K-2, K-3, K-4, K-5 and K-6 (Application UAN No. 0000108011) & Consent fees of Rs. 65,35,756/- is adjusted for M/s Smartchem Technologies Ltd., Plot No. K-7 & K-8 (Application UAN No. 0000107922).**

**Copy to:**

1. Regional Officer, MPCB, Navi Mumbai and Sub-Regional Officer, MPCB, Talaja  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC-CAC Desk- for record & website updating purpose.



## **SCHEDULE-I**

### **Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have provided ETP having designed capacity of 4800 CMD comprising of Process Waste Collection Tank, Collection Tank (Phosphatic Effluent), Reaction Tank-I, Clari- flocculator, Collection Tank (IPA Effluent), Aeration Tank (IPA Effluent), Clarifier (IPA Effluent), Reaction Tank-IIA, Reaction Tank-IIA, Ammonia Stripper-I Collection Tank, Reaction Tank-II, Denitrification Tank (Stage-I), Denitrification Tank (Stage- I), Clarifier, Denitrification Tank (Stage-II), Clarifier, Denitrification Tank (Stage-II), Clarifier, Dissolved Air Floatation (DAF), Final Polishing Tank for the treatment of 1703.52 CMD industrial effluent along with 1567.36 CMD industrial & domestic effluent generated from M/s Deepak Fertilizers & Petrochemicals Corporation Ltd.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

<b>Sr.No</b>	<b>Parameters</b>	<b>Limiting concentration not to exceed in mg/l, except for pH</b>
(1)	pH	6.5 to 8.5
(2)	Suspended Solids	100
(3)	Oil & Grease	10
(4)	Ammoniacal Nitrogen as N	50
(5)	Total Kjeldhal Nitrogen (TKN) as N	75
(6)	Free Ammoniacal Nitrogen as N	4
(7)	Nitrate Nitrogen as N	20
(8)	Dissolved Phosphate as P	5
(9)	BOD	100
(10)	COD	250
(11)	TDS	2100
(12)	Fluoride as F	10

C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.

D] The treated effluent shall continue to be discharged to CETP for further treatment & disposal after confirming above standards till DFPC completes laying of separate HDPE pipeline to carry treated effluent from STL to the low COD effluent disposal outlet sump at CETP. After the completion of pipeline work, STL is permitted to connect its treated effluent discharge to the new independent pipeline. In no case, effluent shall find its way for gardening / outside factory premises.

2. A] As per your application, 70 CMD domestic effluent is sent to ETP for treatment & disposal.

B] Industry shall comply prescribed standards & disposal path as prescribed at Sr. No. 1 B & C of schedule I.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	8823.00
2.	Domestic purpose	77.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	639.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

#### **SCHEDULE-II**

#### **Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

<b>Stack No.</b>	<b>Source</b>	<b>APC System provided/proposed</b>	<b>Stack Height(in mtr)</b>	<b>Type of Fuel</b>	<b>Sulphur Content(in %)</b>	<b>Pollutant</b>	<b>Standard</b>
S-1	NPK process stack Train 1	Scrubber	64.50	NG 500 Kg/Hr	-	NH3	300 Mg/Nm <sup>3</sup>
						Fluoride	10 Mg/Nm <sup>3</sup>
						PM	150 Mg/Nm <sup>3</sup>
S-2	NPK process stack Train 2	Scrubber	64.50	NG 500 Kg/Hr	-	NH3	300 Mg/Nm <sup>3</sup>
						Fluoride	10 Mg/Nm <sup>3</sup>
						PM	150 Mg/Nm <sup>3</sup>

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-3	ANP PRILLING TOWER	Stack	84.00	-	-	NH3	300 Mg/Nm <sup>3</sup>
						Fluoride	10 Mg/Nm <sup>3</sup>
						PM	150 Mg/Nm <sup>3</sup>
S-4	AN PRILLING TOWER	Stack	84.00	-	-	NH3	300 Mg/Nm <sup>3</sup>
						PM	150 Mg/Nm <sup>3</sup>
S-5	COAL FIRED BOILER (70 TPH)	ESP followed by common stack for 36 & 70 TPH Coal fired Boilers	66.00	COAL 13333.33 Kg/Hr	0.5	SO2	3200 Kg/Day
						PM	150 Mg/Nm <sup>3</sup>
	COAL FIRED BOILER (36 TPH)	ESP followed by common stack for 36 & 70 TPH Coal fired Boilers	66.00	COAL- 6916.66 Kg/Hr	0.5	SO2	1660 Kg/Day
						PM	150 Mg/Nm <sup>3</sup>
S-6	DG SET (500 KVA) AMMONIA Plant	Stack of height 4.5 mtrs above roof	4.50	DIESEL 83.33 Kg/Hr	1	SO2	40 Kg/Day
S-7	DG SET (500 KVA) WNA IV Plant	Stack of height 4.5 mtrs above roof	4.50	DIESEL 83.33 Kg/Hr	1	SO2	40 Kg/Day
S-8	DG SET (1000 KVA) ANP PLANT	Stack of height 6.5 mtrs above roof	6.50	DIESEL 166.66 Kg/Hr	1	SO2	80 Kg/Day
S-9	DG SET (1010 KVA) FOR AMMONIA COMPRESSOR	Stack	33.00	DIESEL 168.33 Kg/Hr	1	SO2	81 Kg/Day
S-10	DG SET (750 KVA) NPK PLANT	Stack of height 6.5 mtrs above roof	6.50	DIESEL 133 Kg/Hr	1	SO2	64 Kg/Day
S-11	WNA-I Plant	Scrubber	39.00	-	-	NO2	400 Mg/Nm <sup>3</sup>
S-12	WNA-II Plant	Scrubber	39.00	-	-	NO2	400 Mg/Nm <sup>3</sup>
S-13	WNA-IV Plant	Scrubber	52.00	-	-	NO2	400 Mg/Nm <sup>3</sup>
S-14	Ammonia Primary Reformer	Stack	30.00	Natural Gas 1946 Kg/Hr	-	NO2	400 Mg/Nm <sup>3</sup>
S-15	Ammonia storage flare	Stack	50.00	Natural Gas 64 Kg/Hr	-	-	-

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-16	Ammonia main flare	Stack	40.00	Natural Gas 2.3 Kg/Hr	-	-	-

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

### SCHEDULE-III

#### Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C2R	2500000	Within 15 days	Towards O&M of pollution control systems and towards compliance of the Consent conditions	31.03.2026	31.07.2026

\*\* The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

# Existing BG obtained for above purpose if any may be extended for period of validity as above.

#### BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

#### BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

### SCHEDULE-IV

#### General Conditions:

- Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler

2. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board
3. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
4. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.
5. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):
  1. **Collection of WEEE** - The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.  
**Storage for disassembled parts:** The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.
  2. **Storage for other components and residues:** Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with them.
  3. **Balances :** WEEE Guidelines also requires that sites for handling of WEEE have "balances to measure the weight of the segregated waste". The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.
  4. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
  5. Ferrous and nonferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
  6. CFCS should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDF.
  7. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.

8. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
  9. Mercury recovery and lead recycling facilities from batteries fall under the Hazardous & Other Wastes (M & TM) Rules, 2016.
  10. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
  11. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.
6. The Energy source for lighting purpose shall preferably be LED based
  7. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
  8. Conditions for D.G. Set
    - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
    - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
    - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
    - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
    - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
    - f) D.G. Set shall be operated only in case of power failure.
    - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
    - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
  9. The applicant shall maintain good housekeeping.
  10. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
  11. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
  12. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
  13. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).

14. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
15. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
16. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
17. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
18. The PP shall provide personal protection equipment as per norms of Factory Act
19. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
20. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
21. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
22. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
23. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
24. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
25. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
26. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
27. The industry should not cause any nuisance in surrounding area.



28. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
29. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
30. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
31. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
32. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
33. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
34. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
35. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
36. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
37. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
38. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
39. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

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This certificate is digitally & electronically signed.

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# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

**RED/L.S.I (R52)**  
**No:- Format1.0/CAC/UAN**  
**No.0000120200/CE/2206000970**

**Date: 19/06/2022**

To,  
**M/s. SMARTCHEM TECHNOLOGIES LIMITED.**  
**Plot Nos. K-1, K-1 (Part-1), K-1 (Part-2), MIDC**  
**Industrial Area, Taloja**  
**Tal- Panvel, Dist- Raigad**



Your Service is Our Duty

**Sub: Grant of Consent to Establish (Expansion) under Red/LSI**

- Ref:**
1. Consent to Operate granted vide No. Format 1.0/CAC/UAN No. 0000108040/CO-2108001159 dated 20/8/2021
  2. Environmental Clearance granted vide No. J-11011/167/2016-IA-II (I) dated 02/9/2019
  3. Transfer of Environmental Clearance vide No. J-11011/167/2016-IA-II (I) dated 18/12/2020
  4. Minutes of Consent Appraisal Committee meeting held on 20/5/2022

Your application No.MPCB-CONSENT-0000120200 Dated 19.08.2021

For: grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.190.81 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 1213.60 Crs, Total CI in Rs. 1404.41 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Multiple Grade of NPK Fertilizer (Different grads of AN & DAP based NPK fertilizer with an option of producing fortified grads from the same units as per EC)	200000	MT/A

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

<i>Sr No</i>	<i>Description</i>	<i>Permitted (in CMD)</i>	<i>Standards to</i>	<i>Disposal Path</i>
1.	Trade effluent	70	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	0	As per Schedule-I	Not Applicable

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

<i>Sr No.</i>	<i>Stack No.</i>	<i>Description of stack / source</i>	<i>Number of Stack</i>	<i>Standards to be achieved</i>
1	S-1	NPK Process Stack Train-1 (Existing)	1	As per Schedule -II
2	S-2	NPK Process Stack Train-2 (Existing)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

<i>Sr No</i>	<i>Type of Waste</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
1	Not Applicable	0	--NA--	Not Applicable	Not Applicable

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

<i>Sr No</i>	<i>Category No./ Type</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
NA					

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. This Consent is issued without prejudice to the an orders passed or may be passed by Hon'ble National Green Tribunal.
11. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. J-11011/167/2016-IA-II (I) dated 02/9/2019
12. PP shall implement action plan as per the suggestions mentioned in IIT Report.
13. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity.
14. This consent is issued as per the minutes of Consent Appraisal Committee meeting held on 20/5/2022

**Received Consent fee of -**

<b>Sr.No</b>	<b>Amount(Rs.)</b>	<b>Transaction/DR.No.</b>	<b>Date</b>	<b>Transaction Type</b>
1	380000.00	MPCB-DR-7675	30/08/2021	RTGS

**Copy to:**

1. Regional Officer, MPCB, Navi Mumbai and Sub-Regional Officer, MPCB, Talaja  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



## **SCHEDULE-I**

### **Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have proposed to provide Effluent Treatment Plant (ETP) of designed capacity of 4800.00 CMD consisting of Primary (Collection tank, Neutralization tank) for the treatment of 70 CMD of trade effluent.  
B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.  
C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.  
D] The treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, effluent shall find its way for gardening / outside factory premises.
2. A] Generation - Nil  
B] Treatment - NA  
C] Disposal - NA
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	0.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	70.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

## SCHEDULE-II

### Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to provide the Air pollution control (APC) system and also to erect following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	NPK process stack Train - 1(Existing)	Scrubber	64.50	Not Applicable 0 --NA--	-	TPM	150 Mg/Nm <sup>3</sup>
						NH3	50 Mg/Nm <sup>3</sup>
						HF	10 Mg/Nm <sup>3</sup>
S-2	NPK process stack Train - 2 (Existing)	Scrubber	64.50	Not Applicable 0 --NA--	-	TPM	150 Mg/Nm <sup>3</sup>
						NH3	50 Mg/Nm <sup>3</sup>
						HF	10 Mg/Nm <sup>3</sup>

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

## SCHEDULE-III

### Details of Bank Guarantees:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	NA	0	NA	NA	NA	NA

### BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

### BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

## **SCHEDULE-IV**

### **General Conditions:**

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.



12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

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**This certificate is digitally & electronically signed.**

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## EQUINOX TEST REPORT

**Report Issue Date** : 11-Nov-23

Reference Number : EQNX:001:LAB:D:23:11:01069 A

ULR-TC682023000075889F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Parvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 2-Nov-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 4-Nov-23
Date of Start of Analysis : 4-Nov-23	Date of End of Analysis : 9-Nov-23

**Stack Details : -**

Stack Attached To : Stack -AN PRILLING TOWER	
Shape of Stack : Round	Stack Height : 84 m
Material of Construction : MS	Stack Diameter : 1.632 m
Stack Temperature : 47 °C	Stack Velocity : 3.7 m/s
Type of Fuel : -	Rate of Emission : 25886.4Nm <sup>3</sup> /Hr
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table : -**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	37.5	150

*MPCB\* - Maharashtra Pollution Control Board*

*Remark - The Above Result Found Satisfactory as per MPCB Limits.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



**Note :**

1. This report is valid for the tested sample only.
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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

**Report Issue Date** : 11-Nov-23

Reference Number : EQNX:001:LAB:D:23:11:01069 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Parvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 2-Nov-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 4-Nov-23
Date of Start of Analysis : 4-Nov-23	Date of End of Analysis : 9-Nov-23

**Stack Details :-**

Stack Attached To : Stack -AN PRILLING TOWER	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.632 m
Material of Construction : MS	Stack Velocity : 3.7 m/s
Stack Temperature : 47 °C	Rate of Emission : 25866.4Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.084	300

*MPCB\* - Maharashtra Pollution Control Board*

**Remark - The Above Result Found Satisfactory as per MPCB Limits.**



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 11-Nov-23

Reference Number : EQNX:001:LAB:D:23:11:01077 A ULR-TC682023000075898F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 2-Nov-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 4-Nov-23
Date of Start of Analysis : 4-Nov-23	Date of End of Analysis : 9-Nov-23

**Stack Details :-**

Stack Attached To : Stack -ANP PRILLING TOWER	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.655 m
Material of Construction : MS	Stack Velocity : 3.5 m/s
Stack Temperature : 50 °C	Rate of Emission : 24929.0Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	32.5	150

*MPCB* \* - Maharashtra Pollution Control Board

*Remark* - The Above Results Found Satisfactory as per MPCB Limits

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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## EQUINOX TEST REPORT

Report Issue Date : 11-Nov-23

Reference Number : EQNX:001:LAB:D:23:11:01077 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 2-Nov-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 4-Nov-23
Date of Start of Analysis : 4-Nov-23	Date of End of Analysis : 9-Nov-23

**Stack Details :-**

Stack Attached To : Stack -ANP PRILLING TOWER	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.655 m
Material of Construction : MS	Stack Velocity : 3.5 m/s
Stack Temperature : 50 °C	Rate of Emission : 24929.0Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**


**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.07	300
2	Total Fluoride	IS 11255 (Part V) 2003	mg/Nm <sup>3</sup>	2.8	10

**MPCB\*** - Maharashtra Pollution Control Board

**Remark** - The Above Result Found Satisfactory as per MPCB Limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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## EQUINOX TEST REPORT

Report Issue Date : 11-Nov-23

Reference Number : EQNX:001:LAB:D:23:11:01076 A ULR-TC682023000075896F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring Date of Sampling : 3-Nov-23  
 Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 4-Nov-23  
 Date of Start of Analysis : 4-Nov-23 Date of End of Analysis : 9-Nov-23

**Stack Details :-**

Stack Attached To : Stack - NKP - 2  
 Shape of Stack : Round Stack Height : 65.5 m  
 Material of Construction : MS Stack Diameter : 2.773 m  
 Stack Temperature : 103 °C Stack Velocity : 4.2 m/s  
 Type of Fuel : - Rate of Emission : 72144.8Nm<sup>3</sup>/Hr  
 Consumption : -

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	50.8	150

MPCB\* - Maharashtra Pollution Control Board

Remark - The Above Result Found Satisfactory as per MPCB Limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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## EQUINOX TEST REPORT

Report Issue Date : 11-Nov-23

Reference Number : EQNX:001:LAB:D:23:11:01076 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 3-Nov-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 4-Nov-23
Date of Start of Analysis : 4-Nov-23	Date of End of Analysis : 9-Nov-23

**Stack Details :-**

Stack Attached To : Stack - NKP - 2	Stack Height : 65.5 m
Shape of Stack : Round	Stack Diameter : 2.773 m
Material of Construction : MS	Stack Velocity : 4.2 m/s
Stack Temperature : 103 °C	Rate of Emission : 72144.8Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.09	300
2	Total Fluoride	IS 11255 (Part V) 2003	mg/Nm <sup>3</sup>	2.5	10

*MPCB\* - Maharashtra Pollution Control Board*

*Remark - The Above Result Found Satisfactory as per MPCB Limits.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

Report Issue Date : 5-Jan-24

Reference Number : EQNX:001:LAB:D:23:12:08224 A

ULR-TC682023000090703F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 29-Dec-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 30-Dec-23
Date of Start of Analysis : 30-Dec-23	Date of End of Analysis : 4-Jan-24

**Stack Details :-**

Stack Attached To : NPK Train - 1	Stack Height : 65.5 m
Shape of Stack : Round	Stack Diameter : 2.773 m
Material of Construction : MS	Stack Velocity : 4.7 m/s
Stack Temperature : 49 <sup>o</sup> C	Rate of Emission : 94272.7 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	38.8	≤150

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

**Report Issue Date** : 5-Jan-24

Reference Number : EQNX.001:LAB:D:23:12:06224 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample	: Stack Monitoring	Date of Sampling	: 29-Dec-23
Sampling Method	: Each analytical method covers the sampling procedure	Date of Receipt	: 30-Dec-23
Date of Start of Analysis	: 30-Dec-23	Date of End of Analysis	: 4-Jan-24

**Stack Details :-**

Stack Attached To	: NPK Train - 1		
Shape of Stack	: Round	Stack Height	: 65.5 m
Material of Construction	: MS	Stack Diameter	: 2.773 m
Stack Temperature	: 49 °C	Stack Velocity	: 4.7 m/s
Type of Fuel	: -	Rate of Emission	: 94272.7 Nm <sup>3</sup> /Hr
Consumption	: -		

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.5	≤ 300
2	Total Fluoride	IS 11255 (Part V) 20003	mg/Nm <sup>3</sup>	2.8	≤ 10

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

**Report Issue Date** : 12-Dec-23

Reference Number : EQNX:001:LAB:D:23:12:00990 A ULR-TC682023000083732F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 5-Dec-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 6-Dec-23
Date of Start of Analysis : 6-Dec-23	Date of End of Analysis : 11-Dec-23

**Stack Details : -**

Stack Attached To : Stack AN Priling Tower	
Shape of Stack : Round	Stack Height : 84 m
Material of Construction : MS	Stack Diameter : 1.632 m
Stack Temperature : 39 °C	Stack Velocity : 3.5 m/s
Type of Fuel : -	Rate of Emission : 25095.6 Nm <sup>3</sup> /Hr
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

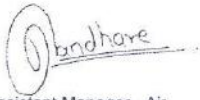
**Observation Table : -**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	40.6	150

\*Limits as per client requirement

MPCB\* - Maharashtra Pollution Control Board

**Remark :** The above tested parameter is found within limit.



Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



TC-6820



**Note :**

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 12-Dec-23

Reference Number : EQNX.001:LAB:D.23:12:00990 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 5-Dec-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 6-Dec-23
Date of Start of Analysis : 6-Dec-23	Date of End of Analysis : 11-Dec-23
<b>Stack Details :-</b>	
Stack Attached To : Stack AN Priling Tower	
Shape of Stack : Round	Stack Height : 84 m
Material of Construction : MS	Stack Diameter : 1.632 m
Stack Temperature : 39 °C	Stack Velocity : 3.5 m/s
Type of Fuel : -	Rate of Emission : 25095.6 Nm <sup>3</sup> /Hr
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**


**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS 11255 (Part VI) 1999	mg/Nm <sup>3</sup>	0.09	300

\*Limits as per client requirement

MPCB\* - Maharashtra Pollution Control Board

**Remark :** The above tested parameter is found within limit.



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



Note :

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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Report Issue Date : 13-Dec-23

Reference Number : EQNX:001:LAB:D:23:12:00987 A

ULR-TC682023000083729F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 5-Dec-23  
 Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 6-Dec-23  
 Date of Start of Analysis : 6-Dec-23 Date of End of Analysis : 11-Dec-23

### Stack Details :-

Stack Attached To : ANP Prilling Tower  
 Shape of Stack : Round Stack Height : 84 m  
 Material of Construction : MS Stack Diameter : 1.655 m  
 Stack Temperature : 37 °C Stack Velocity : 4.2 m/s  
 Type of Fuel : - Rate of Emission : 31189.3 Nm<sup>3</sup>/Hr  
 Consumption : -

### Discipline : Chemical

### Group : Atmospheric Pollution

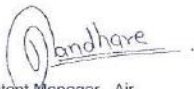
### Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	38.8	≤150

\*Limits as per client requirement.

### MPCB \* - Maharashtra Pollution Control Board

Remark - The Above Results Found Satisfactory as per MPCB Limits



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

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## EQUINOX TEST REPORT

Report Issue Date : 13-Dec-23

Reference Number : EQNX:001:LAB:D:23:12:00987 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Parvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample	: Stack Monitoring	Date of Sampling	: 5-Dec-23
Sampling Method	: Each analytical method covers the sampling procedure	Date of Receipt	: 6-Dec-23
Date of Start of Analysis	: 6-Dec-23	Date of End of Analysis	: 11-Dec-23

**Stack Details :-**

Stack Attached To	: ANP Piling Tower	Stack Height	: 84 m
Shape of Stack	: Round	Stack Diameter	: 1.655 m
Material of Construction	: MS	Stack Velocity	: 4.2 m/s
Stack Temperature	: 37 °C	Rate of Emission	: 31169.3 Nm <sup>3</sup> /Hr
Type of Fuel	: -		
Consumption	: -		

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.09	≤ 300
2	Total Fluoride	IS 11255 (Part V) 20003	mg/Nm <sup>3</sup>	2.5	≤ 10

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 5-Jan-24

Reference Number : EQNX:001:LAB:D:23:12:08224 A

ULR-TC682023000090703F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 29-Dec-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 30-Dec-23
Date of Start of Analysis : 30-Dec-23	Date of End of Analysis : 4-Jan-24

**Stack Details :-**

Stack Attached To : NPK Train - 1	Stack Height : 65.5 m
Shape of Stack : Round	Stack Diameter : 2.773 m
Material of Construction : MS	Stack Velocity : 4.7 m/s
Stack Temperature : 49 <sup>o</sup> C	Rate of Emission : 94272.7 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	38.8	≤150

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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Your Testing and Auditing Partner

## EQUINOX TEST REPORT

**Report Issue Date** : 5-Jan-24

Reference Number : EQNX.001:LAB:D:23:12:06224 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 29-Dec-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 30-Dec-23
Date of Start of Analysis : 30-Dec-23	Date of End of Analysis : 4-Jan-24

**Stack Details :-**

Stack Attached To : NPK Train - 1	
Shape of Stack : Round	Stack Height : 65.5 m
Material of Construction : MS	Stack Diameter : 2.773 m
Stack Temperature : 49 °C	Stack Velocity : 4.7 m/s
Type of Fuel : -	Rate of Emission : 94272.7 Nm <sup>3</sup> /Hr
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.5	≤ 300
2	Total Fluoride	IS 11255 (Part V) 20003	mg/Nm <sup>3</sup>	2.8	≤ 10

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

**Report Issue Date** : 30-Dec-23

Reference Number : EQNX:001:LAB:D:23:12:06797 A ULR-TC682023000089376F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 21-Dec-23
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 22-Dec-23
Date of Start of Analysis : 22-Dec-23	Date of End of Analysis : 28-Dec-23

**Stack Details :-**

Stack Attached To : Process Stack- NPK Train-2	
Shape of Stack : Round	Stack Height : 65.5m
Material of Construction : MS	Stack Diameter : 2.773m
Stack Temperature : 45 <sup>o</sup> C	Stack Velocity : 4.5 m/s
Type of Fuel : -	Rate of Emission : 91396.4Nm <sup>3</sup> /Hr
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	44.9	≤150

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**



Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



TC-6820



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## EQUINOX TEST REPORT

Report Issue Date : 30-Dec-23

Reference Number : EQNX:001:LAB:D:23:12:06797 B

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 21-Dec-23  
 Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 22-Dec-23  
 Date of Start of Analysis : 22-Dec-23 Date of End of Analysis : 28-Dec-23

### Stack Details :-

Stack Attached To : Process Stack- NPK Train-2  
 Shape of Stack : Round Stack Height : 65.5m  
 Material of Construction : MS Stack Diameter : 2.773m  
 Stack Temperature : 45 °C Stack Velocity : 4.5 m/s  
 Type of Fuel : - Rate of Emission : 91396.4Nm<sup>3</sup>/Hr  
 Consumption : -

### Discipline : Chemical

### Group : Atmospheric Pollution

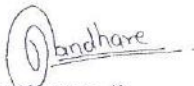
### Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.14	≤ 300
2	Total Fluoride	IS 11255 (Part V) 20003	mg/Nm <sup>3</sup>	2.8	≤ 10

\*Limits as per client requirement.

### MPCB \* - Maharashtra Pollution Control Board

Remark - The Above Results Found Satisfactory as per MPCB Limits



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 24-Jan-24

Reference Number : EQNX:001:LAB:D:24:01:04649 A

ULR-TC68202400004321F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 16-Jan-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 17-Jan-24
Date of Start of Analysis : 17-Jan-24	Date of End of Analysis : 23-Jan-24

**Stack Details : -**

Stack Attached To : Stack - AN Priling Tower	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.632 m
Material of Construction : MS	Stack Velocity : 4.2 m/s
Stack Temperature : 40 °C	Rate of Emission : 30018.5 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

Discipline : Chemical

Group : Atmospheric Pollution

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	45	≤150

\*Limits as per client requirement.

**MPCB** \* - Maharashtra Pollution Control Board.

**Remark** - The Above Results Found Satisfactory as per MPCB Limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Report Issue Date : 24-Jan-24

Reference Number : EQNX:001:LAB:D:24:01:04649 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 16-Jan-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 17-Jan-24
Date of Start of Analysis : 17-Jan-24	Date of End of Analysis : 23-Jan-24

**Stack Details :-**

Stack Attached To : Stack - AN Priling Tower	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.632 m
Material of Construction : MS	Stack Velocity : 4.2 m/s
Stack Temperature : 40 °C	Rate of Emission : 30018.5 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

Discipline : Chemical

Group : Atmospheric Pollution

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	1.09	≤ 300

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board.**

**Remark - The Above Results Found Satisfactory as per MPCB Limits.**

*(Signature)*  
Mandhare

Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



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Your Testing and Auditing Partner

## EQUINOX TEST REPORT

**Report Issue Date** : 11-Jan-24

Reference Number : EQNX:001:LAB:D:24:01:01187 A

ULR-TC682024000001443F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 4-Jan-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 5-Jan-24
Date of Start of Analysis : 5-Jan-24	Date of End of Analysis : 9-Jan-24
<b>Stack Details :-</b>	
Stack Attached To : Stack - ANP Priling Tower	
Shape of Stack : Round	Stack Height : 84 m
Material of Construction : MS	Stack Diameter : 1.655 m
Stack Temperature : 45 <sup>o</sup> C	Stack Velocity : 3.9 m/s
Type of Fuel : -	Rate of Emission : 28214.8 Nm <sup>3</sup> /Hr
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA.2019	mg/Nm <sup>3</sup>	40.8	≤150

\*Limits as per client requirement.

**MPCB** \* - Maharashtra Pollution Control Board.

**Remark** - The Above Results Found Satisfactory as per MPCB Limits.

*Atul Mandhare*

Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 11-Jan-24

Reference Number : EQNX:001:LAB.D:24.01:01187 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 4-Jan-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 5-Jan-24
Date of Start of Analysis : 5-Jan-24	Date of End of Analysis : 9-Jan-24

**Stack Details : -**

Stack Attached To : Stack - ANP Prilling Tower	
Shape of Stack : Round	Stack Height : 84 m
Material of Construction : MS	Stack Diameter : 1.655 m
Stack Temperature : 45°C	Stack Velocity : 3.9 m/s
Type of Fuel : -	Rate of Emission : 28214.8 Nm <sup>3</sup> /Hr
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table : -**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.36	≤ 300
2	Total Fluoride	IS 11255 (Part V) 2003	mg/Nm <sup>3</sup>	3.2	≤ 10

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board.**

**Remark - The Above Results Found Satisfactory as per MPCB Limits.**



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

### Your Testing and Auditing Partner

## EQUINOX TEST REPORT

**Report Issue Date** : 24-Jan-24

Reference Number : EQNX:001:LAB:D:24:01:04648 A

ULR-TC682024000004322F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 16-Jan-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 17-Jan-24
Date of Start of Analysis : 17-Jan-24	Date of End of Analysis : 22-Jan-24

**Stack Details :-**

Stack Attached To : NPK Train - 1	Stack Height : 65.5 m
Shape of Stack : Round	Stack Diameter : 2.773 m
Material of Construction : MS	Stack Velocity : 4.9 m/s
Stack Temperature : 43°C	Rate of Emission : 96062.6Nm <sup>3</sup> /Hr
Type of Fuel : Process Stack	Consumption : -

**Discipline : Chemical**

**Group : Atmospheric Pollution**

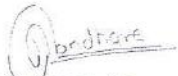
**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	46.3	≤150

*\*Limits as per client requirement.*

**MPCB \* - Maharashtra Pollution Control Board**

*Remark - The Above Results Found Satisfactory as per MPCB Limits*



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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\*\*\*\*END OF REPORT\*\*\*\*

### Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Report Issue Date : 24-Jan-24

Reference Number : EQNX:001:LAB:D:24:01:04648 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 16-Jan-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 17-Jan-24
Date of Start of Analysis : 17-Jan-24	Date of End of Analysis : 22-Jan-24

**Stack Details :-**

Stack Attached To : NPK Train - 1	Stack Height : 65.5 m
Shape of Stack : Round	Stack Diameter : 2.773 m
Material of Construction : MS	Stack Velocity : 4.9 m/s
Stack Temperature : 43°C	Rate of Emission : 96062.6Nm <sup>3</sup> /Hr
Type of Fuel : Process Stack	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

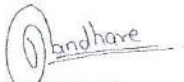
**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.38	≤ 300
2	Total Fluoride	IS 11255 (Part V) 20003	mg/Nm <sup>3</sup>	2.5	≤ 10

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

Report Issue Date : 1-Feb-24

Reference Number : EQNX:001:LAB:D:24:01:07410 A ULR-TC682024000006896F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 25-Jan-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 25-Jan-24
Date of Start of Analysis : 25-Jan-24	Date of End of Analysis : 31-Jan-24

**Stack Details :-**

Stack Attached To : Process Stack- NPK Train - 2	Stack Height : 65.5m
Shape of Stack : Round	Stack Diameter : 2.773m
Material of Construction : MS	Stack Velocity : 4.7m/s
Stack Temperature : 42 <sup>o</sup> C	Rate of Emission : 95367.6Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

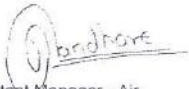
**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	36.3	≤150

*\*Limits as per client requirement.*

**MPCB \*- Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

**Report Issue Date** : 1-Feb-24

Reference Number : EQNX.001:LAB:D:24:01:07410 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 25-Jan-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 25-Jan-24
Date of Start of Analysis : 25-Jan-24	Date of End of Analysis : 31-Jan-24

**Stack Details : -**

Stack Attached To : Process Stack- NPK Train - 2	Stack Height : 65.5m
Shape of Stack : Round	Stack Diameter : 2.773m
Material of Construction : MS	Stack Velocity : 4.7m/s
Stack Temperature : 42 °C	Rate of Emission : 96387.6Nm <sup>3</sup> /Hr
Type of Fuel : -	Consumption : -

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table : -**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.86	≤ 300
2	Total Fluoride	IS 11255 (Part V) 20003	mg/Nm <sup>3</sup>	2.4	≤ 10

\*Limits as per client requirement

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

**Report Issue Date** : 2-Mar-24

Reference Number : EQNX:001:LAB:D:24:02:07274 A

ULR-TC682024000013859F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 24-Feb-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 24-Feb-24
Date of Start of Analysis : 24-Feb-24	Date of End of Analysis : 27-Feb-24

**Stack Details :-**

Stack Attached To : AN Prilling Tower	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.632 m
Material of Construction : MS	Stack Velocity : 4.0 m/s
Stack Temperature : 48 °C	Rate of Emission : 27876.6 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	45.8	≤150

*\*Limits as per client requirement.*

**MPCB \*- Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 2-Mar-24

Reference Number : EQNX:001:LAB:D:24:02:07274 B

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring  
 Sampling Method : Each analytical method covers the sampling procedure  
 Date of Start of Analysis : 24-Feb-24  
 Date of Sampling : 24-Feb-24  
 Date of Receipt : 24-Feb-24  
 Date of End of Analysis : 27-Feb-24

### Stack Details : -

Stack Attached To : AN Prilling Tower  
 Shape of Stack : Round  
 Material of Construction : MS  
 Stack Temperature : 48 °C  
 Type of Fuel : -  
 Consumption : -  
 Stack Height : 84 m  
 Stack Diameter : 1.632 m  
 Stack Velocity : 4.0 m/s  
 Rate of Emission : 27876.6 Nm<sup>3</sup>/Hr

Discipline : Chemical

Group : Atmospheric Pollution

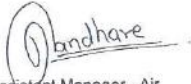
Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.13	≤ 300

\*Limits as per client requirement.

MPCB \* - Maharashtra Pollution Control Board

Remark - The Above Results Found Satisfactory as per MPCB Limits



Assistant Manager - Air  
 (Authorised Signatory)  
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## EQUINOX TEST REPORT

Report Issue Date : 2-Mar-24

Reference Number : EQNX-001-LAB-D:24-02:07273 A

ULR-TC682024000013858F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 24-Feb-24  
 Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 24-Feb-24  
 Date of Start of Analysis : 24-Feb-24 Date of End of Analysis : 27-Feb-24

### Stack Details :-

Stack Attached To : ANP Prilling Tower  
 Shape of Stack : Round Stack Height : 84 m  
 Material of Construction : MS Stack Diameter : 1.655 m  
 Stack Temperature : 46 °C Stack Velocity : 4.3 m/s  
 Type of Fuel : - Rate of Emission : 31011.1 Nm<sup>3</sup>/Hr  
 Consumption : -

### Discipline : Chemical

### Group : Atmospheric Pollution

### Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	50.6	≤150

\*Limits as per client requirement.

MPCB \*- Maharashtra Pollution Control Board

Remark - The Above Results Found Satisfactory as per MPCB Limits



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info@equinoxlab.com

www.equinoxlab.com

## EQUINOX TEST REPORT

**Report Issue Date** : 2-Mar-24

Reference Number : EQNX.001.LAB D.24.02:07273 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Parvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 24-Feb-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 24-Feb-24
Date of Start of Analysis : 24-Feb-24	Date of End of Analysis : 27-Feb-24

**Stack Details :-**

Stack Attached To : ANP Prilling Tower.	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.655 m
Material of Construction : MS	Stack Velocity : 4.3 m/s
Stack Temperature : 46 °C	Rate of Emission : 31011.1 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.25	≤ 300
2	Total Fluoride	IS 11255 (Part V) 2003	mg/Nm <sup>3</sup>	3.0	≤ 10

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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## EQUINOX TEST REPORT

**Report Issue Date** : 16-Apr-24

Reference Number : EQNX:001:LAB:D:24:03:07022 A-R

ULR - TC682024000022104F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Parvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 22-Mar-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 23-Mar-24
Date of Start of Analysis : 23-Mar-24	Date of End of Analysis : 29-Mar-24

**Stack Details :-**

Stack Attached To : AN Prilling Tower	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.632 m
Material of Construction : MS	Stack Velocity : 4.2 m/s
Stack Temperature : 55 °C	Rate of Emission : 28645.7 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	46.3	≤150

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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## EQUINOX TEST REPORT

**Report Issue Date** : 16-Apr-24

Reference Number : EQNX:001:LAB:D:24:03:07022 B-R

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 22-Mar-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 23-Mar-24
Date of Start of Analysis : 23-Mar-24	Date of End of Analysis : 29-Mar-24

**Stack Details :-**

Stack Attached To : AN Prilling Tower	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.632 m
Material of Construction : MS	Stack Velocity : 4.2 m/s
Stack Temperature : 55 °C	Rate of Emission : 28645.7 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1989	mg/Nm <sup>3</sup>	0.73	≤ 300

\*Limits as per client requirement.

**MPCB \* - Maharashtra Pollution Control Board**

**Remark - The Above Results Found Satisfactory as per MPCB Limits**



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

**Report Issue Date** : 16-Apr-24

Reference Number : EQNX:001:LAB:D:24:03:07024-R

ULR - TC682024000022106F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 22-Mar-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 22-Mar-24
Date of Start of Analysis : 23-Mar-24	Date of End of Analysis : 29-Mar-24

**Stack Details :-**

Stack Attached To : AN Prilling Tower (Isokinetic)	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.632 m
Material of Construction : MS	Stack Velocity : 3.9 m/s
Stack Temperature : 55 °C	Rate of Emission : 26599.6 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	47.5	≤150

*\*Limits as per client requirement.*

**MPCB \* - Maharashtra Pollution Control Board**

*Remark - The Above Results Found Satisfactory as per MPCB Limits*



Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

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## EQUINOX TEST REPORT

**Report Issue Date** : 4-Apr-24

Reference Number : EQNX:001:LAB:D:24:03:08291 A

ULR - TC682024000023927F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smarchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 27-Mar-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 29-Mar-24
Date of Start of Analysis : 29-Mar-24	Date of End of Analysis : 3-Apr-24

**Stack Details :-**

Stack Attached To : ANP Prilling Tower	
Shape of Stack : Round	Stack Height : 84 m
Material of Construction : MS	Stack Diameter : 1.632 m
Stack Temperature : 47°C	Stack Velocity : 4.3 m/s
Type of Fuel : -	Rate of Emission : 30061.0 Nm <sup>3</sup> /Hr
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	41.1	≤150

\*Limits as per client requirement.

MPCB \* - Maharashtra Pollution Control Board

**Remark -** The Above Results Found Satisfactory as per MPCB Limits

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

**Report Issue Date** : 4-Apr-24

Reference Number : EQNX:001:LAB:D:24:03:08291 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smarchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 27-Mar-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 29-Mar-24
Date of Start of Analysis : 29-Mar-24	Date of End of Analysis : 3-Apr-24

**Stack Details :-**

Stack Attached To : ANP Prilling Tower	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.632 m
Material of Construction : MS	Stack Velocity : 4.3 m/s
Stack Temperature : 47 °C	Rate of Emission : 30061.0 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.39	≤ 300
2	Total Fluoride	IS - 11255 (Part - V) 2003	mg/Nm <sup>3</sup>	2.7	≤ 10

\*Limits as per client requirement.

**MPCB \*** - Maharashtra Pollution Control Board

**Remark** - The Above Results Found Satisfactory as per MPCB Limits

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**\*\*\*END OF REPORT\*\*\***  
Your Testing and Auditing Partner

## EQUINOX TEST REPORT

**Report Issue Date** : 4-Apr-24

Reference Number : EQNX:001:LAB:D:24:03:08291 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smarchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Nature of Sample : Stack Monitoring	Date of Sampling : 27-Mar-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 29-Mar-24
Date of Start of Analysis : 29-Mar-24	Date of End of Analysis : 3-Apr-24

**Stack Details :-**

Stack Attached To : ANP Prilling Tower	Stack Height : 84 m
Shape of Stack : Round	Stack Diameter : 1.632 m
Material of Construction : MS	Stack Velocity : 4.3 m/s
Stack Temperature : 47 °C	Rate of Emission : 30061.0 Nm <sup>3</sup> /Hr
Type of Fuel : -	
Consumption : -	

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**Observation Table :-**

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm <sup>3</sup>	0.39	≤ 300
2	Total Fluoride	IS - 11255 (Part - V) 2003	mg/Nm <sup>3</sup>	2.7	≤ 10

\*Limits as per client requirement.

**MPCB \*** - Maharashtra Pollution Control Board

**Remark** - The Above Results Found Satisfactory as per MPCB Limits

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Report Issue Date : 3-Apr-24

Reference Number : EQNX:001:LAB:D:24:03:08081

ULR - TC682024000023185F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 27-Mar-24  
 Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 28-Mar-24  
 Date of Start of Analysis : 28-Mar-24 Date of End of Analysis : 2-Apr-24

### Stack Details :-

Stack Attached To : ANP Prilling Tower (Isokinetic) Stack Height : 84 m  
 Shape of Stack : Round Stack Diameter : 1.632 m  
 Material of Construction : MS Stack Velocity : 4.1 m/s  
 Stack Temperature : 47 °C Rate of Emission : 28662.8 Nm<sup>3</sup>/Hr  
 Type of Fuel : - Consumption : -

### Discipline : Chemical

### Group : Atmospheric Pollution

### Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm <sup>3</sup>	49.4	≤150

\*Limits as per client requirement.

MPCB \* - Maharashtra Pollution Control Board

Remark - The Above Results Found Satisfactory as per MPCB Limits



Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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4. The samples has been provided by the customer and results applied to the sample as received by the lab
5. The information provided by customer can affect the validity of results.

\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## Annexure: Tree Plantation Details

EC condition Sr.No.11 (k) : 1000 trees / year shall be planted during 5 years in nearby villages with the consultation of the villagers.

Compliance: Being complied, we have acquired forest land of 5 acers at Mahalungi village (Near to site) for compiling the additional condition of green belt development of plantation of 1000 trees / year for total 5 Years.

We have completed plantation of 3000 no's of trees for the year 2021-22, 2022-23 & 2023-24 (Refer below photographs) and survival rate is above 95%.

Tree Plantation			
Year	No of Saplings/plant	Species	Survival rate
2021-22	1000	Kadamba , Neem , Bauhunia , Karanja , Peltophorum , Gulmohar , Jackfruit , Badam ,Conocorpus	95%
2022-23	1000		95%
2023-24	1000		95%

### Photographs











**DEEPAK FERTILISERS  
AND PETROCHEMICALS  
CORPORATION LIMITED**



**Deepak Fertilizers and Petrochemicals Corporation Ltd,  
Mahadhan AgriTech Limited  
Performance Chemiserve Limited**

## **Annual CSR Report 2023-2024**

**Deepak Fertilisers And Petrochemicals Corporation Limited and its subsidiaries are a responsible corporate citizen. Over the years, the Company has been engaged relentlessly in societal uplift (rural and urban) through Ishanya Foundation (IsFon).**



## VISION

To act as an effective catalyst in creating self-reliant and respectable societies, with secure and sustained means of livelihood, through employable skills and resource support and additionally, to promote and support the rich cultural heritage of India.



## MISSION

**Since its inception, DFPCL/IsFon has been consistently committed to:**

- Identifying and filling gaps in the economy and the social support systems
- Imparting vocational and soft skills to enhance employability
- Facilitating income generation and self-employment programmes
- Providing marketing and financial support to the beneficiaries
- Promoting initiatives for the development of communities and self-help groups
- Initiating preventive and corrective healthcare facilities
- Enhancing the skills of farmers
- Undertaking soil, nutrient, agri-input, and produce enhancement Initiatives for farmers
- Supporting performance arts, talent, and cultural richness among local communities
- Extending crisis support in times of unexpected national calamities and disasters



## INITIATIVES CONTINUE TO BE FOCUSED ON:

- Livelihood & Women Empowerment
- Health
- Education
- Community Development & Social Welfare

# OVERVIEW OF INITIATIVES

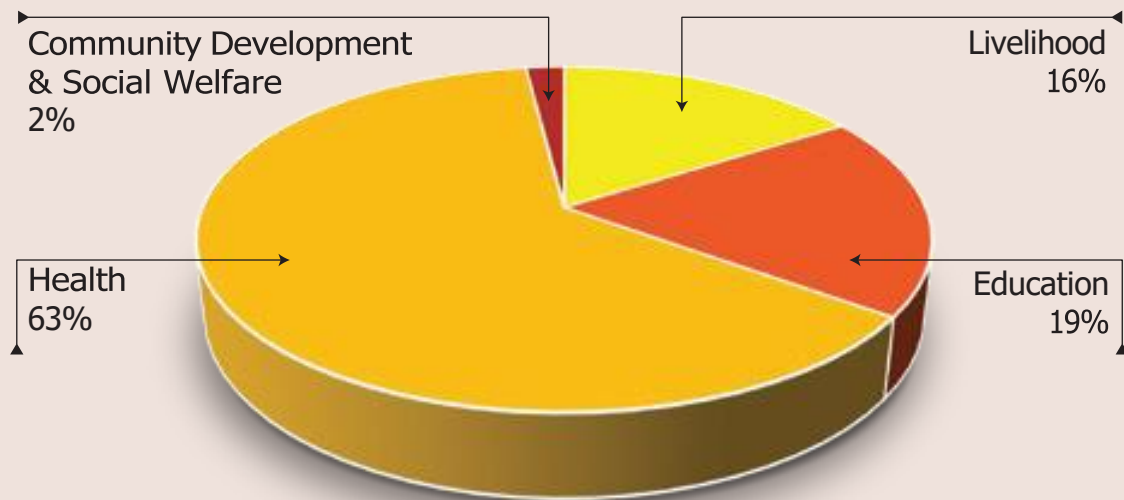
Since its establishment, IsFon has been unwaveringly committed to uplifting rural and urban communities across Maharashtra, Gujarat, and Andhra Pradesh. In the fiscal year 2023-24 alone, IsFon's interventions positively impacted the lives of 42,128 beneficiaries.

In urban areas, IsFon focuses on initiatives geared towards enhancing employability and augmenting income. These encompass the Vocational Skill Development Project (VSDP), Livelihood Enhancement through Entrepreneurship Development Project (LEED) such as Muskaan, Income Generation Programme (IGP), Yellow Ribbon NGO & Artisan's Fair (YRNF), Entrepreneurship Development. Focus on the health of the urban communities is done through Aarogyam.

For rural communities, IsFon implements projects including Wadi, Dairy Development Project (DDP), Aarogyam, Gyanam, Community Development & Social Welfare (CDSW), Entrepreneurship Development and Vocational Skill Development Project (VSDP). Through these endeavors, IsFon's dedicated team empowers small and marginalized farmers, women, and youth, assisting them in overcoming poverty, addressing health challenges, and securing sustainable livelihoods.

## Sector-Wise Beneficiary Coverage 2023-2024:

**Beneficiaries Covered: 42,128**



# Beneficiaries Covered: 42,128

## Key Highlights 2023-24

Sr. No.	Project	Major Activities	Rural	Urban	Total Bgngfficiarigs
1.	Vocational Skill Development Project (VSDP)	Job Oriented Vocational Courses including Spoken English & Personality Development, Sponsorship of Course Fees, Placements	111	701	812
2.	Livelihood Enhancement through Entrepreneurship Development (LEED)	Income Generation Programme, Muskaan, Entrepreneurship Development, Yellow Ribbon NGO & Artisan's Fair	57	5,370	5,427
3.	Wadi	Mango Plantation, Vegetables Cultivation, Water Resource Development & Conveyance, Nursery Development & Training	434	NA	434
4.	Dairy Development Project (DDP)	Support for Crossbreed Cows, Artificial Insemination, Pregnancy Diagnosis, Vaccination, Fodder Development, Training	262	NA	262
5.	Community Development & Social Welfare (CDSW)	Open Gym, Drinking Water Facility, Infrastructure Facility for community use	710	NA	710
6.	Aarogyam	Mobile Clinic, Eye Camp, Cataract Surgery, Spectacle Distribution, Health Awareness Camp, Pathology & Diagnostic Service	24,283	2,309	26,592
7.	Gyanam	Digital Classroom, Infrastructure Development, Lab Equipment, Sports Kit, Teacher Appointment	7,891	NA	7,891
<b>Total</b>			<b>33,748</b>	<b>8,380</b>	<b>42,128</b>

# AWARDS & RECOGNITION

Ishanya Foundation was honored with the 'Societal Impact Award' at the India's Moment Conclave, hosted by Y4D Foundation. The award, presented by Hon'ble Deputy Chief Minister of Maharashtra, Shri Devendra Fadnavis recognized the foundation's remarkable contributions.



Ishanya Foundation receives the award for societal impact at the India's Moment Conclave, organised by Y4D Foundation at the hands of Hon. Dy. CM of Maharashtra, Shri Devendra Fadnavis



Mr. Naresh Piniseti, President – Corporate Governance (extreme right) receiving the award from Shri Nitin Gadkari, Hon. Union Minister of Road, Transport & Highways

DFPCL, through its CSR arm Ishanya Foundation, was bestowed with the 'Act of Compassion Award' in the 'Excellence in Empowerment through Economic Development' category by The Times of India, in partnership with Ruby Hall Clinic.

The award, presented by Hon'ble Union Minister for Road, Transport & Highways, Shri Nitin Gadkari, acknowledged Ishanya Foundation's impactful CSR endeavours. Mr. Naresh Piniseti, President - Corporate Governance accepted the award on behalf of DFPCL at a distinguished event attended by renowned figures, including eminent scientist Dr. Raghunath Mashelkar and esteemed Managing Trustee and Chief Cardiologist of Ruby Hall Clinic, Dr. Parvez Grant.

# URBAN INITIATIVES

- Vocational Skill Development Project (VSDP) (Urban & Rural)
- Livelihood Enhancement through Entrepreneurship Development (LEED)
  - 1) Income Generation Programme (IGP)
  - 2) Muskaan
  - 3) Yellow Ribbon NGO & Artisan's Fair (YRNF)
  - 4) Entrepreneurship Development (Urban & Rural)



# URBAN INITIATIVES

## Vocational Skill Development Project (VSDP) (Urban G Rural)

Under VSDP we conduct a variety of courses in both urban and rural areas. We teach various skills and courses to the aspirants thereby improving their employment prospects and aiding them to achieve financial stability, independence, and inclusivity within the community.



Aspirants undergoing the course in Customer Relations and Information Technology at IsFon



Aspirants of Printed Circuit Board undergoing their practicals



Home Chef Course conducted at IsFon



Finance and Accounting Course conducted at IsFon

## VSDP (Urban)

IsFon offers a diverse array of job-oriented vocational courses placing significant emphasis on soft-skill training and placement. Underprivileged women, youth, and school dropouts hailing from marginalized and financially disadvantaged communities can apply for these courses. The primary goal is to equip them with the necessary skills for improved employment prospects, thereby facilitating their journey out of poverty and towards sustainable livelihoods.

Each course taught on our premises, also includes soft skills training comprising sessions on Spoken English, Personality Development, Yoga, Health Awareness, Financial Literacy and Environmental Awareness. Expert trainers are brought in to enhance the participants' soft skills. A total of 701 individuals have undergone training in our job-oriented vocational courses.

# VSDP (Urban)

## Vocational Skill Development Project (VSDP)

Job Oriented Courses	Aspirants Covered	Aspirants Employed
<b>Skill Based Vocational Training Programme</b>		
Printed Circuit Board (PCB) course in collaboration with Youth 4 Development (Y4D) Foundation	110	105
Assistant Operator Course in collaboration with Youth 4 Development (Y4D) Foundation	100	96
Printed Circuit Board (PCB) course in collaboration with USDC	175	169
Finance and Accounts Course with Global Talent Track	25	21
Customer Relations & Certificate Course in Information Technology with Typing & Spoken English	54	47
Professional Beautician Course & Art of Mehendi which includes Spoken English and Personality Development sessions	57	55
Electrician Course with Unique Skills Development Centre	61	59
AC Refrigeration Course with Unique Skills Development Centre	59	58
Home Chef Course with Idea Foundation	46	45 (Self Employment)
<b>Service Based Training Programme</b>		
B.Sc. Nursing with St. Andrews College of Nursing	01	01
M.Sc. Nursing with Symbiosis College of Nursing	12	Batch in progress
Diploma in Optometry with KK Eye Institute	01	Course in progress
Post Basic B. Sc. Nursing with Symbiosis College of Nursing		07
<b>TOTAL</b>	<b>701</b>	<b>618</b>

**Total Trained:**  
**701**  
aspirants

**Total Employed:**  
**618**  
aspirants

**Salary:**  
**₹10,000/- to ₹25,000/-**  
per month



# VSDP

## Glimpses of Growing Employability



**Electric Mechanic Course in Progress**



**Bridal Competition by aspirants of Beautician Course**



**Aspirants performing at Mahila Melawa organised at IsFon**



**Mentors seen with audience at Mahila Melawa**



**Personality Development session conducted at IsFon**



**Students sponsored for MSc Nursing**

# Success Stories



Priyanka Nimse

**Support:** PBBS Nursing  
**Placement:** Surya Hospital, Pune  
**Salary:** ₹35,000/- pgr month

Priyanka hails from a farming family where her father's annual income is approximately Rs 50,000 and her mother is a homemaker. Despite facing financial and academic obstacles while growing up in a less privileged community, Priyanka's determination led her to receive the Ishanya Foundation Scholarship for PBBS Nursing at Symbiosis College of Nursing.

Completing her nursing course, Priyanka now serves as a staff nurse at Surya Hospital in Pune. Her journey from financial dependence to independence not only benefits her family but also underscores the significance of education in her life.

Priyanka expresses deep gratitude to IsFon for securing her future and enabling her to contribute positively to her family and community.

**Support:** Course in Printed Circuit Board  
**Placement:** Dream Plast India Pvt. Ltd., Chakan, Pune  
**Salary:** ₹13,000 /- pgr month

Anamika Bhalerao could only study till 12<sup>th</sup> standard due to the financial challenges her family faced. Her father, the sole provider, struggled to sustain them with farming income due to limited land. Anamika learned about IsFon's highly subsidised training and placement programmes for unemployed youth through a friend.

Motivated to enhance her skills and contribute to the family income, Anamika reached out to IsFon and decided to enroll in the PCB Assembly Operator course. On completion of the course, with the support and guidance from IsFon's placement team, Anamika confidently navigated interviews and secured a position as an Operator.

Grateful for the opportunity and support provided by IsFon and her trainers, Anamika acknowledges their pivotal role in her journey towards financial independence and family support.



Anamika Bhalerao



Mayur Kedari

**Support:** Assembly Assistant Operator Course  
**Placement:** Magna Automotive Pvt. Ltd., Chakan  
**Salary:** ₹14,700/- pgr month

Hailing from a small village where farming was the mainstay of his family's income, Mayur recognised the financial challenges they faced. Driven by a desire to improve their circumstances, he embarked on a journey to secure a brighter future.

Enrolling in the Assembly Assistant Operator Course at Skill Training Centre in Lonavala, Mayur dedicated himself to mastering the skills necessary for success. Upon completing the course, he secured a promising placement which helped in significantly contributing to his family's financial stability.

Expressing heartfelt gratitude to IsFon for the invaluable opportunity, Mayur says his achievements have become a beacon of hope in his community. His story inspires other youngsters to explore skill-oriented training and embrace opportunities beyond conventional paths.

# Success Stories



Soffiyan Shaikh

**Support:** Certificate Course in Refrigerator and AC Mechanics

**Placement:** Haier Pvt. Ltd.

**Salary:** ₹13,500/- pgr month

Soffiyan, completed his 12th standard amidst financial constraints. With his father managing a modest tea stall earning a meagre ₹40,000/- annually, and his mother taking care of the household while his younger sister pursues her studies, Soffiyan felt compelled to contribute to his family's welfare.

Driven by this determination, Soffiyan explored opportunities for skill development and livelihood enhancement. Learning about the diverse courses offered by IsFon, he enrolled in the Certificate Course in Refrigerator and AC Mechanics. Soffiyan successfully completed the programme.

Soffiyan attributes his newfound financial stability to the placement secured through assistance from the IsFon team and expresses his heartfelt gratitude for the same. His ability to support his family financially stands as a testament to the transformative impact of skill development initiatives.

**Support:** Home Chef Course

**Placement:** Self Employed

**Monthly Earning:** ₹20,000/- to 25,000/-

At 35 years old, Lakshmi juggles the responsibilities of caring for her two teenage sons while her husband works as a driver to support the family. With financial struggles becoming a constant challenge, Lakshmi sought opportunities to improve their situation.

Turning to IsFon for assistance, Lakshmi enrolled in the Home Chef course to refine her culinary skills. Through these sessions, she not only honed her abilities in the kitchen but also gained confidence in marketing and communication.

Today, Lakshmi's journey has taken a new turn as she provides tiffin services to companies and operates live and packed food stalls. Grateful for IsFon's unwavering support, Lakshmi acknowledges their role in enabling her to meet the family's financial needs and secure a brighter future.



Lakshmi  
Rajendra Jagadhan



Roshni Abhimanyu  
Alimakar

**Support:** B.Sc. in Optometry

**Placement:** Titan Eye Plus, Vashi

**Salary:** ₹25,000/- pgr month

Roshni comes from an economically disadvantaged background, where her mother is a homemaker and her brother is pursuing his studies in SYBA. The family's financial struggles made it challenging for Roshni to pursue her dream of studying Optometry.

However, with the financial assistance provided by IsFon, Roshni's aspirations became attainable. She was able to enrol in Laxmi College of Optometry and successfully complete her studies. Securing a position as an Optometrist at Titan Eye Plus in Vashi, Roshni now not only supports her family but also contributes towards her brother's education.

# VSDP (Rural)

IsFon conducts various skill enhancement training programs such as, Tailoring courses and Optometry courses in rural areas. These activities have created a positive impact on the aspirants, providing them with financial stability and inclusivity within the community.

Activities	Bgnffciarigs
Sponsorship for BSc. Optometry - Laxmi College of Optometry	4
Support of fees for Post Graduate Programme in Agri-Business Management with SIMACCS	9
Support of fees for Job Oriented courses AAO - Assembly Assitant Operator and AE - Assitant Electrician with Y4D Foundation	50
Tailoring Course	48
<b>Total</b>	<b>111</b>



# Livelihood Enhancement through Entrepreneurship Development (LEED)

Livelihood Enhancement through Entrepreneurship Development (LEED) aims to provide an additional source of income through entrepreneurship opportunities to financially disadvantaged women. The programme comprises various initiatives, as follows:

- Income Generation Programme (IGP)
- Muskaan
- Yellow Ribbon NGO & Artisan's Fair (YRNF)
- Entrepreneurship Development (Urban & Rural)

## Income Generation Programme (IGP)

Under the IGP, skilled women are selected, and further trained to enhance their tailoring and cutting abilities, empowering them to create exquisite handmade cloth products such as envelopes, bags, thali covers, placemats, saree covers, jewellery pouches, and more, which serve as excellent gifting options.

With a total income of **₹2,82,711/-** and products worth **₹8,24,216/-** sold, the programme has positively impacted 8 groups of women, enabling them to generate significant additional income.



Unique gifting products stitched by women which is their secondary source of income

# LEED

## Income Generation Programme (IGP)



Unique Gifting Products being sold at Bhimthadi Jatra



Skill enhancement training programme in progress of women associated with Income Generation Programme

# LEED

## Muskaan

Muskaan is a unique initiative designed on the principles of 'Reuse, Recycle & Revenue Generation', aimed at empowering financially challenged women, who we affectionately call 'Muskaan Parees'.

Through generous donations of pre-owned garments, Muskaan provides these women with an opportunity to earn a secondary source of income by selling these items in marginalized communities and public spaces. This not only benefits the women by offering them financial empowerment but also serves the customers by providing them with quality garments at nominal prices.

Moreover, any unsold garments are collected by Swachh as part of its V-Collect initiative for recycling, thus promoting sustainability.

With a total value of ₹2,97,690/- generated from the sale of garments and benefiting 3,319 customers along with 15 Muskaan Parees, this initiative has proven to be impactful in fostering economic empowerment and environmental sustainability.



Student volunteers donating the pre-owned garments for the Muskaan Project

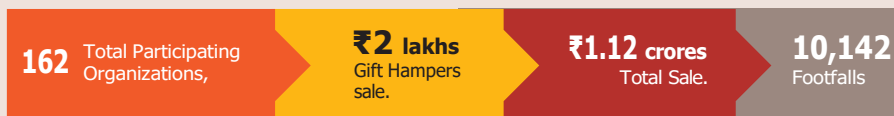


Sale of pre-owned garments at the Yellow Ribbon NGO Fair by Muskaan Parees

# LEED

## Yellow Ribbon NGO & Artisan's Fair (YRNF)

- The Yellow Ribbon NGO & Artisan's Fair with Kalavishkar Pradarshini Supported by NABARD, our annual pre-Diwali event was held from 5<sup>th</sup> to 9<sup>th</sup> October 2023 at Creaticity, Pune. It serves as a distinctive platform to showcase the efforts of NGOs, Artisans, farmers, social enterprises, and SHGs from across India, providing them with an opportunity to engage with individuals, corporates other NGO's, and government bodies.
- This year's event saw active participation from Maharashtra, Gujarat, Orissa, West Bengal, Karnataka, Bihar, Himachal Pradesh, Rajasthan, Hyderabad, Delhi, Punjab, Telangana and Jharkhand. The exhibited products ranged from traditional to contemporary items such as hand woven, hand dyed & hand embroidered sarees, fabrics, shawls, organic pulses, vegetables, handicrafts such as paintings, baskets, lamps, mats, household products, footwear, wooden toys and much more.
- Notably, the foundation curated 80 gift hampers benefiting 10 NGOs, SHGs, and social enterprises, amounting to ₹2 lakhs in sales. The event boasted a total of 162 participating organizations, with sales reaching ₹1.12 crores and 10,142 footfalls.



**Inauguration of the Fair by Mrs. and Mr. G. S. Rawat-CGM NABARD, Mrs. Parul Mehta-Trustee Ishanya Foundation, Mr. Vijaykumar-ED-BOM, Mr. C. S. Ram Kumar-GM and Vice Principal of the College of Banking-RBI, Mr. Mahesh-CEO Creaticity and Mr. A. P. Shah-Trustee Ishanya Foundation**



# LEED

## Yellow Ribbon NGO & Artisan's Fair (YRNF)



Chief Guest, Ms. Padmini Kolhapure, Film Actress and Ms. Parul Mehta, Managing Trustee, IsFon at the IGP stall of YRNF



Shri Sailesh Mehta, CMD, DFPC and Trustee, IsFon seen at YRNF stall



Stall at YRNF



Digital Marketing Workshop



Stall at YRNF



Award being presented to the winner at the YRNF

# LEED

## Entrepreneurship Development (Urban & Rural)

For underprivileged individuals, the prospect of launching or expanding their own business often remains an elusive dream. Challenges such as limited entrepreneurial skills, lack of information, inadequate access to markets, and financial constraints hinder their progress.

Our Entrepreneurship Development initiative endeavours to transform these aspirations into tangible achievements. By enhancing their skills and providing them with essential tools and equipment, the programme empowers beneficiaries to become entrepreneurs and effectively manage their small businesses.

PUNE	
Equipment Supported	Beneficiaries
Parlour Kit	16
Juki Industrial Sewing Machine	08
Utensil Kit & Canteen Gas Stove	13
KNC Two-wheeler Ramp	01
KNC Air Compressor with Motor and Kit	01
Garage Tool Kit	01
Multifunction Printer	01
Photo Printer	04
Vermicelli Making Machine	01
<b>Total Beneficiaries (Pune)</b>	<b>46</b>
TALOJA	
Tapari - 11, Beauty Parlour Set - 15, Photocopy & Lamination - 02, Handcart - 03, Electric Sewing Machine - 03, Flour Mill - 03, Fridge & Deep Freezer - 06, Aata Mixing Machine - 02, Welding Machine - 01, DJ Machine - 01, Subji Kothi - 02, Umbrella - 02, Paddy Harvester - 01, Weeder - 01 Spray Pump - 01	54
DAHEJ	
Refrigerator Support	03
<b>Total Beneficiaries (Taloja &amp; Dahej)</b>	<b>57</b>

# LEED

## Entrepreneurship Development (Urban)



Support of Beauty Parlour equipment to beneficiaries



Ravikant Aswari supported with colour printer at the e-seva Kendra to enhance his business



Support of Sewai Machine to Archana Kamble to enhance the production capacity



Women beneficiaries being supported with mess kit and industrial gas stove



Vicky Lokhande supported with colour printer at the RTO Seva Kendra

# LEED

## Success Stories (URBAN)



**Vijaya Payra**

**Support:** Utensil Kit and Canteen Gas Stove

**Placement:** Self Employed

**Monthly Earning:** Increased by 11.25% from ₹16,000/- ₹18,000/-

For the past two years, Vijaya has been operating a Mess and Snacks Center in Maharashtra Housing Board, Yerawada. However, her business was facing challenges due to the poor condition of her utensils. Determined to enhance her services, Vijaya sought support from IsFon.

IsFon provided her with a new utensil kit and a canteen gas stove, enabling her to upgrade her existing business of tiffin services and party orders. With this assistance, Vijaya has expanded her enterprise into a successful mess and catering business, achieving financial independence in the process. Her monthly earnings now range between ₹16,000 to ₹18,000. Vijaya expresses gratitude to IsFon for their invaluable support in realizing her entrepreneurial ambitions.

**Support Type:** KNC Air Compressor with Motor

**Placement:** Self Employed

**Monthly Earnings:** Increased by 28.5% from ₹14,000/- to ₹18,000/-

Dinesh Shankarrao Shete was assisted under the Entrepreneurship Development programme to acquire a KNC Air Compressor with motor, leading to the enhancement and upgrade of his existing business.

"I received support from the Ishanya Foundation who helped me to get a KNC Air Compressor with the motor. This has helped me in my business as I could serve my customers better. I am grateful to IsFon for their help. As a result, my monthly earnings have improved which is helping me take care of my family".



**Dinesh  
Shankarrao Shete**



**Satyawan  
Sharnappa Mane**

**Support Type:** Two-wheeler Ramp

**Placement:** Self Employed

**Monthly Earnings:** Increased by 20% from ₹15,000/- to ₹18,000/-

Satyawan Sharnappa Mane received support under the Entrepreneurship Development initiative to acquire a two-wheeler ramp, enhancing and upgrading his existing business.

"Under the Entrepreneurship Development initiative, I received support to acquire a two-wheeler ramp which was not possible for me to purchase. Due to IsFon's help, I could enhance and upgrade my existing business which resulted in improving my monthly earnings".

# LEED

## Success Stories (Rural)



**Vasudha Vasant Pawar**

**Village:** Nitlas **Taluka:** Panvel **District:** Raigad

**Support Type:** Still Shop / Tapari

**Monthly Earning:** `7,500/-

Vasudha and Vasant have two daughters and a son, all enrolled in school. Vasudha runs a general store from her home. Initially, due to limited space, she could only store and sell a restricted range of items.

However, after the intervention by the Ishanya Foundation, she now has her own Tapari, which provides additional space for storage and allows her to sell a wider variety of products. In addition to her regular items, Vasudha also sells snacks. The strategic location of the Tapari has attracted new customers, resulting in improved sales and increased income for Vasudha. Their daily income has surged over 60% from `150/- to `250/-

**Village:** Rahiyad, Dahej, Vagara, Bharuch

**Support Type:** Refrigerator

**Monthly Earning :** `16,500/-

Lilaben runs her own General Shop. She is the sole earning member of her family and this shop is her only source of income. After the Ishanya Foundation's intervention she has been able to earn extra income through the sale of Dairy Products, Cold Drinks, Water Bottles, and other items that require refrigeration. Her daily income jumped by over 80% from `300/- to `550/-



**Lilaben Ganpat  
Bhai Gohil**

# LEED

## Employee & Individual Volunteer Engagement Activities

Throughout the year, individual volunteers and employees (along with their spouses) from Deepak Fertilisers and Petrochemicals Corporation Limited (DFPCL) & Smartchem Technologies Limited (STL) actively participated in various initiatives organized by IsFon.

They valued the chance to contribute to philanthropic endeavours and expand their horizons beyond their regular work duties.

Activities	Employees Engaged
Yellow Ribbon NGO & Artisan's Fair	56
Mentorship Programme under VSDP	08
Agri based expert advice for farming activities	01
<b>Total</b>	<b>65</b>



Employee Engagement activity at YRNF



Nimisha Rastogi and Pranita Sinha presenting the award to the winners

# RURAL INITIATIVES

- Wadi Project
- Dairy Development Project (DDP)
- Aarogyam (Urban and Rural)
- Gyanam
- Community Development & Social Welfare (CDSW)



# RURAL INITIATIVES

Ishanya Foundation has been actively involved in impactful rural initiatives spanning 63 villages in Taloja, 4 in Dahej, and 3 in Srikakulam. Within these areas, some 8 villages are inhabited solely by tribal communities, representing some of the most marginalized and vulnerable populations.

Our rural initiatives are meticulously planned for the economic and social development of the rural communities that often lack the resources and infrastructure for basic farming activities even though agriculture is their primary source of income.

Support is also extended in various areas such as education, healthcare, sanitation, and access to clean drinking water, thereby enhancing the living standards of the community.

## Wadi Project

- The Wadi Project is a cornerstone of our rural efforts. It aims to transform eroded wastelands into flourishing forestry plantations and orchards, known as Wadi, thereby generating a sustainable secondary source of income for the farming family.
- Comprehensive guidance and support are provided to the small and marginalised farmers after a meticulous selection process.
- Each Wadi is formed using techniques that help in soil and water conservation thereby protecting the environment.
- Participants are provided integrated farming tools, such as lifting devices, as well as guidance in the technique and application of plant nutrition and measures for pest control management.
- Expert guidance is given in modern agricultural practices, commercial farming techniques and ways to generate market linkages.
- Each participant is assisted in creating half-acre Kesar mango orchards comprising 30 trees each along with vegetable farming on the same land.





# Wadi Project

## Support given on 0.5 acres of land

- Development of wasteland through soil and water conservation
- Establish mango orchard - Kesar variety
- Fertilisers
- Pesticides
- Farm Tools
- Vegetable seeds
- Water pumps & pipes
- IPM & INM techniques
- Development of Model/Trial Plots
- Capacity building

Total no. of mango trees planted	10,840 plants survived with 380 Wadi participants
Survival rate	94.59%
Acres	191.50
Families covered	380 Wadi + 52 WRD support + 1 High density plantation + 1 Bio Culture Bank
Villages & hamlets covered	18
Total income from mango sales	`24,34,740/- (224 farmers)
Total income from vegetable sales	`59,17,380/- (258 farmers)
Vegetable cultivation by Wadi participants	78 (Support given for the purchase of vegetable seeds)
	180 (Purchased at their own cost)
	128.05 acres of total vegetable cultivation
Water Resource Development (WRD), Conveyance	52
	Support given for WRD equipment like HDPE pipe, Electric Motor, Diesel Engine, Petrol Engine as per need of farmers. To date a total of 88 participants are covered under WRD and they are cultivating vegetables on 114.3 Acres, earning `59.47 Lakh.
Capacity building	<ul style="list-style-type: none"> <li>• Organized 3 external exposure visits to Wadi &amp; Nursery aspirants at Lachakhadi BAIF, Gujarat Mango Graft Nursery, Dindori-Nasik Vegetable Seedling Nursery, Harsul-Nasik (HDP of mango).</li> <li>• Organized 3 exposure visits at the "Krushithon" exhibition Nasik.</li> <li>• Organized 10 internal exposure visits towards established Wadi / Nursery for progressive farmers.</li> <li>• Conducted 3 Kisan Melava in the project area in which a total of 129 male and 57 female Wadi participants upgraded their knowledge.</li> <li>• Conducted 224 village meetings</li> </ul>
Nursery developed	Vegetable Seedling Nursery - 05 participants (32,500 vegetable seedlings and income of `69,650/-)
	Mango Graft Nursery- 08 participants (10,105 grafts prepared in the current year, earned `8,97,200/- by sale of 9640 grafts prepared last year)
Development of model plots	23 (Marigold - 03, Cherry Tomato - 02, Tomato - 05, Butternut Squash - 02, Baby / Sweet Corn - 05, Apple - 03, Cashew - 03)

# Wadi Project

## Success Stories



Land: 1.5 Acre

Crop	Mango
No. of Fruiting Plants	23
Total Yield (Kg)	490
<b>Total Incomg</b>	<b>₹54,600/-</b>

**Name:** Kalibai, Shraavan Manglya Bhagat  
**Village:** Khairwadi Tal: Panvel Dist: Raigad  
**Support:** Established Mango Orchard

Kalibai and Shraavan have one son. They rely on agriculture and allied activities for their livelihood. Currently, Shraavan is employed temporarily at Taloja MIDC.

Initially, they cultivated paddy for sustenance. However, with the intervention of IsFon's Wadi project, they transitioned to mangoes, significantly boosting their earnings. Now, with the successful cultivation and sale of mango fruits from their farm, their income has increased nearly three to fourfold compared to before.

The family expresses their gratitude to IsFon and its dedicated team for their invaluable guidance and support throughout the process.



Land: 2.00 Acre

Crop	Cucumber	Sponge Gourd	Okra
Cultivation Area @R	12	12	06
Total Yield(kg)	1030	850	720
<b>Total Incomg</b>	<b>₹18,540</b>	<b>₹ 18,700</b>	<b>₹25,200</b>
<b>Total Incomg: ₹62,440</b>			

**Name:** Nami G Soma Navshya Pardhi  
**Village:** Pedutne Tal: Panvel Dist: Raigad  
**Support:** Wadi Establishment G Vegetable Cultivation

Nami and Soma, have a daughter named Aruna and a son named Sharad. They manage their farm while their children attend school. Initially, they solely focused on farming without cultivating vegetables.

However, with the support provided by IsFon through its Wadi project, including assistance in water resource development, provision of vegetable seeds, and training, they started cultivating vegetables. They now sell their produce at the Panvel Market, significantly adding to their family income.

By diversifying their crops to include two types of vegetables, they have minimized the risk associated with market rate fluctuations, ensuring a more stable and guaranteed income for their family.



Land: 1.5 Acre

Crop	No. of graft prepared	Total Sold	Rate per graft	Total Income
Mango Graft	1500	1289	Avg `60.27	<b>₹77,690.00</b>
Mango Fruit	360 Kg	330 Kg	`100 per Kg	<b>₹33,000.00</b>
<b>Total Income</b>				<b>₹1,10,960.00</b>

**Name:** Bharti G Anil Rama Pardhi  
**Village:** Mohadar Tal: Panvel Dist: Raigad  
**Support:** Established Mango Orchard G Mango Graft Nursery

Bharti and Anil have two sons, Bharat and Pavan. Both are enrolled in primary school. They had a land which was a wasteland. Earning daily wages from construction sites was their only source of livelihood. After the Wadi intervention, they started earning additional income from vegetables.

"Ishanya Foundation provided us with training for mango grafting and nursery management. With these new skills, we started a mango graft nursery. Both vegetable cultivation and mango graft nursery have become our additional source of income. Thank you Ishanya Foundation for providing us with the required skill and support."

# Dairy Development Project (DDP)

The Dairy Project remains a significant focus area for IsFon within its rural initiatives, targeting small, marginalized, and landless labourers in Panvel and Ambarnath talukas of Raigad and Thane districts, respectively. The training provided helps the rural beneficiaries to acquire new skills in dairy farming and production techniques.

The project aims to boost milk production and enhance productivity on dairy farms. Farmers earn additional income at an average of ₹8,000 to ₹12,000 per month through the sale of milk and cow dung. Thus, the project helps to boost the local economy by providing a stable source of income to rural families.

Assistance provided under the project includes:

- Provision of cross-breed cows to eligible women in farmer households
- Support for developing fodder plots to ensure adequate nutrition for the cattle
- Doorstep services including, vaccination and artificial insemination, followed by pregnancy diagnosis for both cows and buffaloes
- Assistance in establishing market linkages for selling milk, ensuring a steady income stream for the farmers.

Description	Output
<b>Total milk produced</b>	<b>4,67,960 Ltr.</b>
<b>Milk consumed at home</b>	<b>62,700 Ltr.</b>
<b>Milk consumed by the calf</b>	<b>60,325 Ltr.</b>
<b>Milk sold in the market</b>	<b>3,44,935 Ltr.</b>
<b>Additional income through the sale of milk</b>	<b>₹1,61,47,730/-</b>
<b>Cow dung produced</b>	<b>93.61 MT</b>
<b>Artificial Insemination + Sorted Semen AI-48</b>	<b>856</b>
<b>Pregnancy Diagnosis (PD) during the year</b>	<b>Total - Target of PD - 844 Confirmed Pregnancy Diagnosis (CPD) - 387, Empty - 81, Repeat - 361, Pending - 15, Conception Rate - 46.68%</b>
<b>Calving during the year</b>	<b>402 (Male - 175, Female - 227)</b>



# DDP

## Success Stories



**Name:** Lalita and Vitthal Dharma Keni  
**Village:** Pethali Tal: Panvel Dist: Raigad  
**Annual Income:** ₹ 3,43,000/-

Lalita and Vitthal are parents to a son and two daughters. They faced financial challenges as Vitthal, a landless farmer, worked as a porter at a railway station. Their modest income made it difficult to cover their children's education, marriage, and household expenses.

However, with the assistance of IsFon's Dairy Project, they now enjoy a stable and substantial income, which has become the primary source of support for their family. Due to the earnings from dairy farming, they were able to afford their son's education, arrange marriages for both daughters and enhance their quality of life. Lalita and Vitthal express their gratitude to IsFon for the transformative impact it has had on their lives.

Support Given	Asset Created	Total Milk Production	Sold Qty	Average Rate per Ltr.	Annual Income from Milk Sold
2 Cow; B-18, B-38 Medicine Kit; Training; Exposure. Both donated cows have died	7 female calves (`2,00,000) 3 calves in milking (2 <sup>nd</sup> generation)	8,530 Ltr.	6,040 Ltr.	`56.79	`3,43,012.00/-



**Name:** Kalpana and Dasharat Janardhan Patil  
**Village:** Sangtoli Tal: Panvel Dist: Raigad  
**Annual Income:** ₹1,49,500/-

Kalpana and Dasharat have two children. They faced financial challenges as Dasharat, a marginal farmer, solely relied on agriculture for livelihood. The uncertainty in agricultural income caused constant worry about meeting daily expenses. However, after participating in IsFon's Dairy Project, their earnings improved substantially, and it became their primary income source.

With increased earnings, they were able to renovate their house and expand their dairy business by purchasing two new cows. They express their heartfelt gratitude to IsFon for the invaluable assistance and support provided.

Support Given	Asset Created	Total Milk Production	Sold Qty	Average Rate per Ltr.	Annual Income from Milk Sold
2 Cow; B-46, B-50, Medicine Kit; Training; Exposure.	3 female calves (`80,000) 2 calves in milking	4,150 Ltr.	3,450 Ltr.	`43.33	`1,49,489/-

# DDP

## Fodder Development

Fodder development is the strategic planning, cultivation, and management of grasses that are specifically grown to feed dairy cattle. It ensures a stable, nutritious, and cost-effective feed supply for dairy cows, which is essential for maintaining their health, milk production, and overall productivity. To bolster the profitability of dairy enterprises, IsFon provided support to 20 beneficiaries for cultivating Napier Grass and Azolla, to address the scarcity of fodder and also improve livestock nutrition.

Azolla **10 plots**

Napier Grass **20 plots**

Maize Fodder **76 plots**



# Aarogyam (Urban & Rural)

Good health is as important as socio-economic development. Improving health and well-being of the communities that we work in is one of our key focus areas. We constantly strive to make a meaningful impact on healthcare accessibility and outcomes by offering high-quality preventive and curative healthcare services through various medical camps, mobile clinics, cataract surgeries, pathology collection centers and installation of water purifiers.

Activity	Beneficiaries Covered
<b>TALOJA</b>	
Mobile Clinic	<ul style="list-style-type: none"> <li>• 20,920 patients provided doorstep health services in 38 villages through 2 Mobile Clinics</li> </ul>
Eye Check-up Camp	<ul style="list-style-type: none"> <li>• 5 eye check-up camps</li> <li>• 988 patients screened</li> <li>• 304 cataracts diagnosed</li> <li>• 261 cataract surgeries performed</li> <li>• 372 patients provided with spectacles</li> </ul>
Eye Check-up Camp (Schools)	<ul style="list-style-type: none"> <li>• 3 eye check-up camps</li> <li>• 1,127 students screened</li> <li>• 40 students provided with spectacles</li> </ul>
Dental Camp	<ul style="list-style-type: none"> <li>• 1 camp</li> <li>• 52 patients covered with medicines</li> </ul>
Dermatology Camp	<ul style="list-style-type: none"> <li>• 1 camp</li> <li>• 87 patients covered with medicines</li> </ul>
Pathology Lab	<ul style="list-style-type: none"> <li>• 219 patients</li> </ul>
Weighing Machines & Cupboards	<ul style="list-style-type: none"> <li>• 20 Anganwadis (1 weighing scale &amp; 1 cupboard for each Anganwadi)</li> </ul>
Food Kit	<ul style="list-style-type: none"> <li>• 200 TB patients for six months (Kit contains: wheat / bajra - 6 kg, dal - 3 kg, edible oil - 1 ltr, protein powder - 220 gms.)</li> </ul>
<b>DAHEJ</b>	
General Health Check-up Camps with Free Medicine	<ul style="list-style-type: none"> <li>• 3 camps (Koliyad, Suva, Suva Primary School)</li> <li>• 427 patients covered</li> </ul>
Eye Check-up Camp	<ul style="list-style-type: none"> <li>• 2 eye check-up camps</li> <li>• 263 patients screened</li> <li>• 23 cataract operations performed</li> <li>• 96 patients provided with spectacles</li> </ul>
RO Water Purifier	<ul style="list-style-type: none"> <li>• 1 unit installed</li> <li>• Benefitted: 45 children at Anganwadi, Rahiyad</li> </ul>



**Mrs. Parul Mehta, Founder-Trustee, IsFon (third from left) seen with Dr. Santosh Thite, Regional Officer MIDC, Panvel, Dr. Vikrant Bhalerao, Sub-Regional Officer MPCB, Belapur, Navi Mumbai, Shri Avinash Kaldate, Senior Police Inspector, Taloja Police Station, Mr. Pandurang Landge, President – Commercial G Strategic Growth, DFPCL and Mr. Dineshpratap Singh, EVP – Operations seen at the inauguration of the Mobile Clinic at Taloja**



**Dental Check-up Camp at Taloja**



**Eye Check-up Camp at Raigad ZP School, Taloja**



**Eye Check-up Camp at Raigad ZP School, Taloja**



General Health Camp, Koliyad, Dahej



General Health Camp in Suva School, Dahej



Eye Check-up Camp, Koliyad, Dahej



General Health Camp in Suva School, Dahej



General Health Camp in Suva School, Dahej



# Aarogyam (Urban & Rural)



**Kanubai and Dattatray Gosavi Gaikar**

**Village: Waklan Taluka: Thane District: Thane**  
**Support Type: Free Cataract Surgery**

Kanubai is a homemaker and her husband Dattatray is a daily wage labourer. Both faced challenges due to blurry vision affecting their ability to work comfortably.

Learning about IsFon's sponsored cataract surgeries at an eye camp in Waklan, they sought help. After the initial examination, they were referred to Laxmi Charitable Trust for further treatment. Kanubai underwent surgery for both eyes, while Dattatray had one eye treated. With improved vision post-surgery, they now lead better lives.

Beneficiary	Date of Surgery	Cataract Surgery Eye	Hospital
Kanubai Dattatray Gaikar	3 <sup>rd</sup> July & 10 <sup>th</sup> July 2023	Both Eyes	Laxmi Charitable Trust, Panvel
Dattatray Gosavi Gaikar	3 <sup>rd</sup> July 2023	R-Eye	Laxmi Charitable Trust, Panvel

## Pathology Collection and Diagnostic Centre, Pune

Initial high diagnostic cost is usually a deterrent for the underprivileged to investigate their symptoms further. This becomes a hurdle for getting the right treatment. Our pathology collection centres provide highly subsidised diagnostic services enabling early detection and treatment of diseases. The pathology collection centre at our Pune office in collaboration with N.M. Diagnostics Pvt. Ltd. has been in operation for over 8 years now. Encouraged by the positive impact it has had, this year we increased the number of diagnostic tests to include CT scan, MRI, X-Ray, ECG, and Sonography. In January this year we launched a similar collection centre in collaboration with NDC Pathology Diagnostic Pvt. Ltd. at Devichapada, Taloja.

**Pathology Investigations: 1,540 patients**

**Radiology Investigations: 395 patients**

**CT Scan G MRI: 250 patients**

**Chronic Disease Support: 4 patients**

**Total Patients covered: 2,189**



**Pathology Collection Centre at Pune**



**Mrs. Parul Mehta, Founder-Trustee, Ishanya Foundation inaugurating the Ishanya Pathology Sample Collection Centre at Devichapada, Taloja**

# Gyanam

Similar to healthcare, education also plays a crucial role in shaping various facets of an individual's life, including intellectual, social, and financial aspects, indirectly fostering self-reliance and independence.

Towards that end, we are focused on enhancing learning aids and improving the school infrastructure and environment around Taloja, Dahej, and Srikakulam areas through various interventions and initiatives.

Activity	Quantity	Description
<b>TALOJA</b>		
Digital Classroom	37 sets	1,384 students benefited. (Khairne – 11, Navpada - 10, Waje - 04, Khedukpada - 05, Kolavadi - 2, Kuttarpada - 1, Pale Bk - 1, Yelmar - 1, Pale Kh – 2)
STEM Learning Lab	2 sets	1,508 students benefited. (Sanjay Gandhi Smarak High School, Kolvadi and Shri Bhairavdeb Vidyalay, Ritghar)
Desktop Computer & Printer	3 sets	Raigad ZP School Chinchvali, Navde and Devichapada
Water purifier, water storage facility and distribution system	1 unit	323 students, teaching, and non-teaching staff of Raigad ZP School, Pendhar benefitted
Construction of RCC Hall for Computer Lab	875 sq. ft.	Raigad ZP School, Tondre
Toilet Repairing	1 no.	395 primary students benefitted by way of a clean washroom facility at Raigad ZP Shool Navpada Village
Renovation and Painting of school	1 no.	375 students (1 <sup>st</sup> – 7 <sup>th</sup> class) of Raigad ZP School, Khairne benefitted
Sports Kit	3 sets	Each set has equipment to play 14 different sports.  1651 students of Shri Bhairavdev High School, Ritghar, Waje High School & Jr. College, Waje and Annasaheb S. Adivashi Anudanit High School, Wakdi are benefitted
Safety Grill Installation	1195 sq. ft.	194 students (1 <sup>st</sup> – 4 <sup>th</sup> class) of Raigad ZP School, Nitlas benefitted
250 LPH RO Unit for School	3 nos.	Total Students: 1678 Nere Highschool Nere-250 LPH RO-681 Waje High School-250 LPH RO- 450 Raigad ZP School, Tondre - 250 LPH RO- 547
Science Lab equipment and cupboard	1 set	450 students benefitted New English School & Jr. College, Devichapada (5 <sup>th</sup> – 12 <sup>th</sup> Std.)
Career Guidance for 10th and 12th Students	26	1,587 students benefitted 1,915 Career Guidance Books distributed

Activity	Quantity	Description
<b>DAHEJ</b>		
New flooring in the class room	1	36 students benefitted Rahiyad Primary School
150 LPH RO Unit	1	234 students benefitted Rahiyad Primary School
Classroom Furniture	35	10 Office Tables 25 Chairs for Teachers Rahiyad Primary School
Library Cupboard for books	4	90 students benefitted Rahiyad Secondary School
50 LPH RO Unit	3	Safe drinking water available to 192 students at schools. Koliyad Primary School - 103 Rahiyad Secondary School - 101 Vengani Primary School - 106 Safe drinking water available to 192 students
Desktop Computer & Printer	2 sets	Rahiyad Secondary School and Koliyad Primary School
Renovation, Repair and Painting of school	1	28 students benefitted 4 <sup>th</sup> std. classroom of Rahiyad Primary School
Renovation, Repair and Painting of school classroom	1	98 students (1 <sup>st</sup> – 8 <sup>th</sup> Std) benefitted Koliyad Primary School
Appointed Teachers for Maths & Social Science	9 months	98 students benefitted (Koliyad Primary School) 102 students benefitted (Vengani Primary School)
Science Lab Furniture	23	4 Office Tables 15 Chairs 4 Racks 40 students benefitted from Suva Secondary School
Renovation and repair of separate toilets for boys & girls	2	290 students benefitted Suva Primary School





**Career counselling of students at Taloja**



**Providing clean water solutions to students at Nere High School, Taloja**



**Happy faces of students as they embrace the digital age in their classroom supported by IsFon at Taloja**



**Classroom floors changed at Rahiyad Primary School, Dahej**



**Classroom given a fresh look after renovation at Koliyad School, Dahej**

# Community Development & Social Welfare (CDSW)

Community development and social welfare activities bring a multitude of benefits to local communities, effectively enhancing the quality of life for residents and fostering a stronger, more cohesive society. CDSW serves as a catalyst for community development, empowering community members to collectively address economic, social, and environmental challenges.

Activity	DESCRIPTION
<b>TALOJA</b>	
Open Gym	Installation of Open Gym equipment at Chinchavali and Kanpoli villages.
Community RO Unit with water ATM for Drinking water, 1000 LPH	Installed RO unit at Kanpoli village
<b>DAHEJ</b>	
Installation of Paver Block & Shed construction	120 families benefitted in Laamu Faliya 75 families benefitted in Rahiyad village with construction of a shed for children's playing area
Installation of Paver Block & Shed construction	50 families benefitted. (During floods in Bharuch & Ankleshwar)



Open Gym equipment installed at Kanpoli, Taloja

# CDSW



RO unit installed at Kanpoli, Dahej for clean water for all



Construction of Shed and Paver Block at Dahej

# PRESS CLIPPINGS

## ईशान्य फाऊंडेशन तर्फे सामाजिक क्षेत्रातील योगदानासाठी विविध सामाजिक संस्था व व्यक्तींचा गौरव

पुणे : ईशान्य फाऊंडेशन तर्फे नुकतेच येवढ्या येथील क्रिग्टिसिटी मॉल येथे आयोजित १६ व्या वेलो रिबन एन.जीओ फेअरच्या (बायआरएनएफ) समारोप समारंभात समाजातील महत्त्वपूर्ण योगदानासाठी विविध सामाजिक संस्था व व्यक्तींचा गौरव करण्यात आला.बीएआयएफ डेव्हलपमेंट रिसर्च फाऊंडेशनचे प्रमुख सल्लागार व विद्युत् जी.जी.सोहनी यांचा नैसर्गिक संसाधन व्यवस्थापन व ग्रामीण उपजीविका या क्षेत्रातील उत्कृष्ट योगदानाबद्दल सत्कार दीपक फर्टिलायझर्स अँड पेट्रोकेमिकल्स लि.चे अध्यक्ष व व्यवस्थापकीय संचालक शैलेश मेहता यांच्या हस्ते



करण्यात आला.

नाबाईचे पहिले कलाविष्कार प्रियदर्शनी पुरस्कार हे या कार्यक्रमाचे प्रमुख आकर्षण ठरले.यावेळी कोड्रापुरम इंस्टिट्यूट डेव्हलपमेंट सोसायटी (किडस) यांना प्रथम क्रमांकाचा पुरस्कार तर,केरळ सावित्री कम्युनिटी मॅनेज्ड रिसोर्स सेंटर,महाराष्ट्र यांना दुसऱ्या क्रमांकाचा पुरस्कार प्रदान करण्यात आला. हे

पुरस्कार प्रसिध्द बॉलीवूड अभिनेत्री पद्मिनी कोल्हापुरे यांच्या हस्ते प्रदान करण्यात आले.

पाऊलवाट फाऊंडेशन,महाराष्ट्र, वंदन कृषी विकास फार्मर प्रोड्यूसर कंपनी लि.महाराष्ट्र, रिचरखा - ८ इकोसोशल ट्राईब, महाराष्ट्र यांना सर्वोत्कृष्ट स्टॉलसाठी अनुक्रमे प्रथम,द्वितीय व तृतीय असे पारितोषिक देण्यात आले.

HYT PUNE

CSR initiatives in rural areas could change people's lives, says Gadkari

... (text continues) ...

ईशान्य फाऊंडेशन तर्फे सामाजिक क्षेत्रातील योगदानासाठी विविध सामाजिक संस्था व व्यक्तींचा गौरव

पुणे : ईशान्य फाऊंडेशन तर्फे नुकतेच येवढ्या येथील क्रिग्टिसिटी मॉल येथे आयोजित १६ व्या वेलो रिबन एन.जीओ फेअरच्या (बायआरएनएफ) समारोप समारंभात समाजातील महत्त्वपूर्ण योगदानासाठी विविध सामाजिक संस्था व व्यक्तींचा गौरव करण्यात आला.बीएआयएफ डेव्हलपमेंट रिसर्च फाऊंडेशनचे प्रमुख सल्लागार व विद्युत् जी.जी.सोहनी यांचा नैसर्गिक संसाधन व्यवस्थापन व ग्रामीण उपजीविका या क्षेत्रातील उत्कृष्ट योगदानाबद्दल सत्कार दीपक फर्टिलायझर्स अँड पेट्रोकेमिकल्स लि.चे अध्यक्ष व व्यवस्थापकीय संचालक शैलेश मेहता यांच्या हस्ते

... (text continues) ...

ईशान्य फाऊंडेशन का उपक्रम, 16वा वॉई-आरएनएफ संवत्सरा संस्था, शिखिसयती का सम्मान

5 दिवसीय महोत्सव आयोजित

... (text continues) ...

THE ART OF GIVING

Beyond time and money

The most generous of the art of giving... (text continues) ...





# OUR COLLABORATIONS

## URBAN

- NABARD
- Youth 4 Development Foundation
- Don Bosco Vyawasaik Prashikshan Kendra
- Sahyadri Hospital
- Maya Charitable Trust
- Seva Sahayog Foundation
- Social Ventures Partner (SVP)
- Resource Recycle Centre
- Swachh NGO
- Inner Wheel Club of Poona Downtown
- St. Andrew's College of Nursing
- Unique Skills Development Centre
- Idea Foundation

## RURAL

- Dept. of Animal Husbandry, Panvel
- Laxmi Charitable Trust, Panvel
- Laxmi College of Optometry, Panvel
- Youth 4 Development Foundation
- SIMACES International Interdisciplinary Learning Centre (SIILC)
- State Health Department of Maharashtra and Gujarat
- Raigad Zilla Parishad, Maharashtra
- Rahiyad Primary and Secondary School, Dahej, Gujarat
- Schools in Ponnada Village, Srikakulam, AP

**LET'S JOIN HANDS TO  
CREATE POSITIVE CHA**





**Environment Monitoring FY 2023-24**

<b>I. Effluent (By MOEF&amp;CC approved Lab) :</b>															
<b>Parameters/Months</b>	<b>Limit</b>	<b>UOM</b>	<b>Apr-23</b>	<b>May-23</b>	<b>Jun-23</b>	<b>Jul-23</b>	<b>Aug-23</b>	<b>Sep-23</b>	<b>Oct-23</b>	<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Average</b>
pH	6.5 To 8.5	--	7.33	7.51	6.8	6.98	6.97	7.28	7.85	7.64	8.08	7.71	7.91	7.72	<b>7.12</b>
COD	250	<b>mg/lit</b>	50	25	47	44	80	57	28.4	33.2	41	1581	107	39.8	<b>49.20</b>
BOD 3 days 27°C	100	<b>mg/lit</b>	18	10	19	15	28	22	8.6	10	13.2	8.5	29.4	12.2	<b>18.00</b>
Total Suspended Solids	100	<b>mg/lit</b>	32	58	8	7	27	20	16	34	8	23	6	15	<b>26.40</b>
TDS	2100	<b>mg/lit</b>	2025	1269	1118	1105	1223	218	2040	1800	1675	1581	1872	1944	<b>1348.00</b>
Oil & Grease	10	<b>mg/lit</b>	1	2	<0.1	<0.1	1	<0.1	<0.1	2	<0.1	<4.0	<4.0	<4.0	<b>1.33</b>
Dissolved Phosphate as P	5	<b>mg/lit</b>	1.26	1.24	1.08	1.13	1.18	0.98	3.5	2.6	2	4.8	3.5	3.4	<b>1.18</b>
Ammonical Nitrogen as N	50	<b>mg/lit</b>	33.46	23.07	39.76	34.06	36.04	11.54	13	28.3	3	<0.1	2.6	25.5	<b>33.28</b>
Free Ammonical Nitrogen as N	4	<b>mg/lit</b>	0.3	0.33	0.28	0.23	0.26	0.067	2.6	2.2	3	<0.1	1.2	2.4	<b>0.28</b>
Nitrate Nitrogen as N	20	<b>mg/lit</b>	2.14	2.21	2.14	2.07	2.12	16.02	5	3.3	8.13	19.2	3.2	9.2	<b>2.14</b>
Fluoride as F	10	<b>mg/lit</b>	BDL	BDL	BDL	BDL	BDL	BDL	<0.1	2.3	<0.1	<0.1	<0.1	<0.1	<b>BDL</b>
Total Kjeldhal Nitrogen (TKN) as N	75	<b>mg/lit</b>	12.05	11.19	9.69	8.04	10.21	25.54	<0.1	<0.1	<0.1	<0.1	<0.1	8.1	<b>10.24</b>

**OCEMS Data K-1 ETP - Monthly Average of treated effluent parameters**

Parameter	Flow		BOD		TSS		Fluoride		Nitrate Nitrogen		COD		pH		Ammonical Nitrogen	
	Unit	m3/hr	Consent Limit	mg/l	Consent Limit	mg/l	Consent Limit	mg/l	Consent Limit	mg/l	Consent Limit	mg/l	Consent Limit	NA	Consent Limit	mg/l
Apr-23	79.79	<b>139.2</b>	<b>16.43</b>	<b>100</b>	<b>37.82</b>	<b>100</b>	<b>0.33</b>	<b>10.0</b>	<b>11.49</b>	<b>20</b>	<b>32.79</b>	<b>250</b>	7.33	<b>8.5</b>	<b>30.68</b>	<b>50</b>
May-23	103.62	<b>139.2</b>	16.42	<b>100</b>	38.77	<b>100</b>	0.42	<b>10.0</b>	10.19	<b>20</b>	38.34	<b>250</b>	7.28	<b>8.5</b>	36.00	<b>50</b>
Jun-23	105.95	<b>139.2</b>	15.51	<b>100</b>	39.63	<b>100</b>	0.64	<b>10.0</b>	9.96	<b>20</b>	36.52	<b>250</b>	7.42	<b>8.5</b>	35.71	<b>50</b>
Jul-23	122.08	<b>139.2</b>	14.93	<b>100</b>	38.93	<b>100</b>	1.35	<b>10.0</b>	11.15	<b>20</b>	32.12	<b>250</b>	7.51	<b>8.5</b>	34.40	<b>50</b>
Apr-00	105.95	<b>139.2</b>	15.41	<b>100</b>	38.78	<b>100</b>	2.00	<b>10.0</b>	10.13	<b>20</b>	33.65	<b>250</b>	7.38	<b>8.5</b>	36.85	<b>50</b>
Sep-23	115.74	<b>139.2</b>	11.60	<b>100</b>	33.36	<b>100</b>	0.94	<b>10.0</b>	9.80	<b>20</b>	57.58	<b>250</b>	7.47	<b>8.5</b>	34.63	<b>50</b>
Oct-23	120.55	<b>139.2</b>	8.72	<b>100</b>	27.18	<b>100</b>	0.14	<b>10.0</b>	11.58	<b>20</b>	49.72	<b>250</b>	7.51	<b>8.5</b>	11.58	<b>50</b>
Nov-23	128.14	<b>139.2</b>	6.17	<b>100</b>	26.91	<b>100</b>	0.05	<b>10.0</b>	10.20	<b>20</b>	69.94	<b>250</b>	7.23	<b>8.5</b>	16.28	<b>50</b>
Dec-23	134.00	<b>139.2</b>	7.00	<b>100</b>	26.00	<b>100</b>	0.04	<b>10.0</b>	8.20	<b>20</b>	67.00	<b>250</b>	7.00	<b>8.5</b>	20.00	<b>50</b>
Jan-24	120.00	<b>139.2</b>	8.00	<b>100</b>	25.00	<b>100</b>	0.03	<b>10.0</b>	6.70	<b>20</b>	61.00	<b>250</b>	7.00	<b>8.5</b>	24.00	<b>50</b>
Feb-24	99.00	<b>139.2</b>	8.00	<b>100</b>	25.00	<b>100</b>	0.00	<b>10.0</b>	4.00	<b>20</b>	53.00	<b>250</b>	7.00	<b>8.5</b>	22.00	<b>50</b>
Mar-24	101.00	<b>139.2</b>	14.00	<b>100</b>	26.00	<b>100</b>	0.43	<b>10.0</b>	8.40	<b>20</b>	47.00	<b>250</b>	7.00	<b>8.5</b>	19.00	<b>50</b>
Average	111.32		11.85		31.95		0.53		9.32		48.22		7.26		26.76	
Consent Limit	139.2		100		100		10		20		250		6.5-8.5		50	

## EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:A:23:11:05051 A

Report Issue Date : 24-Nov-23

ULR-TC682023000079774F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near Main Gate / STL	Date of Sampling : 17-Nov-23 To 18-Nov-23
Sample Description : Ambient Air Monitoring	Date of Receipt : 18-Nov-23
Temperature : 31°C	Date of Start of Analysis : 18-Nov-23
Relative Humidity : 57%	Date of End of Analysis : 23-Nov-23
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	40.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	83.5	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.61	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	14.9	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	8.3	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

**Remark :** All the parameters are found within limits.

Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tambe

**Note :**

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### Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:23:11:05050 A

Report Issue Date : 24-Nov-23

ULR-TC682023000079773F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near ETP RO Plant / STL  
 Sample Description : Ambient Air Monitoring  
 Temperature : 31°C  
 Relative Humidity : 57%  
 Receptor Height : 3.0 m From Ground Level

Date of Sampling : 17-Nov-23 To 18-Nov-23  
 Date of Receipt : 18-Nov-23  
 Date of Start of Analysis : 18-Nov-23  
 Date of End of Analysis : 23-Nov-23  
 Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

### RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	39.5	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	83.9	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.53	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	3.9	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	43.5	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe

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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX-001:LAB:A:23:11:05049 A

Report Issue Date : 24-Nov-23

ULR-TC682023000079772F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Coal Fire Boiler Cooling Tower / STL  
 Date of Sampling : 17-Nov-23 To 18-Nov-23  
 Sample Description : Ambient Air Monitoring  
 Date of Receipt : 18-Nov-23  
 Temperature : 31°C  
 Date of Start of Analysis : 18-Nov-23  
 Relative Humidity : 57%  
 Date of End of Analysis : 23-Nov-23  
 Receptor Height : 3.0 m From Ground Level  
 Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

### RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	37.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	81.2	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.63	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	10.1	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	14.3	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe

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## Your Testing and Auditing Partner



## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:23:11:05048 A

Report Issue Date : 24-Nov-23

ULR-TC682023000079771F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near NPK Plant Area / STL  
 Sample Description : Ambient Air Monitoring  
 Temperature : 31°C  
 Relative Humidity : 57%  
 Receptor Height : 3.0 m From Ground Level

Date of Sampling : 17-Nov-23 To 18-Nov-23  
 Date of Receipt : 18-Nov-23  
 Date of Start of Analysis : 18-Nov-23  
 Date of End of Analysis : 23-Nov-23  
 Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

### RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	37.1	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	79.6	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.74	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	10.8	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	<2.0	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe

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## EQUINOX TEST REPORT

**Report Issue Date** : 11-Dec-23

Reference Number : EQNX:001:LAB:A:23:12:00870 A

ULR-TC682023000083614F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta / Vitthal Jadhav

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near Main Gate	Date of Sampling : 04-Dec-23 To 05-Dec-23
Sample Description : Ambient Air Monitoring	Date of Receipt : 5-Dec-23
Temperature : 30.3°C	Date of Start of Analysis : 5-Dec-23
Relative Humidity : 64%	Date of End of Analysis : 9-Dec-23
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**  
**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	56.2	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	92.6	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.9	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	4.5	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

**Remark :** All the parameters are found within limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



  
 Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe



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Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Report Issue Date : 11-Dec-23

Reference Number : EQNX:001:LAB:A:23:12:00869 A

ULR-TC682023000083613F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited

Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.

Contact Person : Madan Popeta / Vitthal Jadhav

### PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near ETP & RO Plant

Date of Sampling : 04-Dec-23 To 05-Dec-23

Sample Description : Ambient Air Monitoring

Date of Receipt : 5-Dec-23

Temperature : 30.3°C

Date of Start of Analysis : 5-Dec-23

Relative Humidity : 64%

Date of End of Analysis : 9-Dec-23

Receptor Height : 3.0 m From Ground Level

Lateral Distance : 1.5 m

Discipline : Chemical


Group : Atmospheric Pollution

### RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	47.0	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	84.2	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.9	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	5.8	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	3.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	9.5	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
Assistant Manager - Air  
(Authorised Signatory)

Mr. Atul Mandhare



TC-6820

  
Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tambe



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5. The information provided by customer can affect the validity of results

\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

+91 22 50647422

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

info@equinoxlab.com

Laboratories At: Mumbai, Bangalore, Hyderabad, Noida, Kolkata, Chennai

www.equinoxlab.com

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:23:12:00868 A

Report Issue Date : 11-Dec-23  
ULR-TC682023000083612F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja,Tal. Panvel, Dist. Raigar.  
Contact Person : Madan Popeta / Vitthal Jadhav

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near NPK Gate	Date of Sampling : 04-Dec-23 To 05-Dec-23
Sample Description : Ambient Air Monitoring	Date of Receipt : 5-Dec-23
Temperature : 30.3°C	Date of Start of Analysis : 5-Dec-23
Relative Humidity : 64%	Date of End of Analysis : 9-Dec-23
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**


Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	55.8	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	90.3	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.4	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	<2.0	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	<2.0	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



  
Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tambe



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 11-Dec-23

Reference Number : EQNX:001:LAB:A:23:12:00867 A

ULR-TC682023000083611F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited

Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja,Tal. Panvel, Dist. Raigar.

Contact Person : Madan Popeta / Vitthal Jadhav

### PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Coal Fire Boiler Plant

Date of Sampling : 04-Dec-23 To 05-Dec-23

Sample Description : Ambient Air Monitoring

Date of Receipt : 5-Dec-23

Temperature : 30.3°C

Date of Start of Analysis : 5-Dec-23

Relative Humidity : 64%

Date of End of Analysis : 9-Dec-23

Receptor Height : 3.0 m From Ground Level

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

### RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	53.3	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	89.4	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.7	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	<2.0	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



  
Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tamba



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

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info@equinoxlab.com

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www.equinoxlab.com

## EQUINOX TEST REPORT

**Report Issue Date** : 12-Jan-24

Reference Number : EQNX:001:LAB:A:24:01:01953 A

ULR-TC682024000001338F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near NPK Gate	Date of Sampling : 4-Jan-24 to 5-Jan-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 8-Jan-24
Temperature : 33°C	Date of Start of Analysis : 8-Jan-24
Relative Humidity : 54%	Date of End of Analysis : 11-Jan-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	43.7	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	86.6	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.8	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	3.4	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	10.0	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

**Remark :** All the parameters are found within limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



  
 Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe



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### Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:01:01952 A

Report Issue Date : 12-Jan-24

ULR-TC682024000001337F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja,Tal. Panvel, Dist. Raigar  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near Main Gate	Date of Sampling : 4-Jan-24 to 5-Jan-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 8-Jan-24
Temperature : 33°C	Date of Start of Analysis : 8-Jan-24
Relative Humidity : 54%	Date of End of Analysis : 11-Jan-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	56.2	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	95.9	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.7	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	7.6	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	2.9	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	7.3	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



  
 Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe



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### Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB.A:24:01:01954 A

Report Issue Date : 12-Jan-24

ULR-TC682024000001339F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near Coal Fire Boiler Plant Area	Date of Sampling : 4-Jan-24 to 5-Jan-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 8-Jan-24
Temperature : 33°C	Date of Start of Analysis : 8-Jan-24
Relative Humidity : 54%	Date of End of Analysis : 11-Jan-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**  
**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	40.8	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	88.8	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.6	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	8.9	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	5.2	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	8.2	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820

  
 Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe



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**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:01:01955 A

Report Issue Date : 12-Jan-24

ULR-TC682024000001340F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited

Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.

Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near ETP And RO Plant Area

Date of Sampling : 4-Jan-24 to 5-Jan-24

Sample Description : Ambient Air Monitoring

Date of Receipt : 8-Jan-24

Temperature : 33°C

Date of Start of Analysis : 8-Jan-24

Relative Humidity : 54%

Date of End of Analysis : 11-Jan-24

Receptor Height : 3.0 m From Ground Level

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

### RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	44.1	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	81.6	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.8	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	2.9	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	67.6	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



TC-6820

Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tambe



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## Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bangalore, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

## EQUINOX TEST REPORT

Reference Number : EQNX-001:LAB:A:24:02:00562 A

Report Issue Date : 8-Feb-24  
ULR-TC682024000007987F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near NPK Gate	Date of Sampling : 01-Feb-24 to 02-Feb-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 2-Feb-24
Temperature : 29.5°C	Date of Start of Analysis : 2-Feb-24
Relative Humidity : 52%	Date of End of Analysis : 7-Feb-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	47.0	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	86.2	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.7	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	1.5	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	7.1	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	28.0	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



  
Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tambe

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\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:02:00563 A

Report Issue Date : 8-Feb-24

ULR-TC682024000007986F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near ETP & RO Plant Area	Date of Sampling : 01-Feb-24 to 02-Feb-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 2-Feb-24
Temperature : 29.5°C	Date of Start of Analysis : 2-Feb-24
Relative Humidity : 52%	Date of End of Analysis : 7-Feb-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	46.2	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	87.2	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.6	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	3.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	30.1	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



  
 Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe

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\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:02:00564 A

Report Issue Date : 8-Feb-24

ULR-TC682024000007985F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near Main Gate	Date of Sampling : 01-Feb-24 to 02-Feb-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 2-Feb-24
Temperature : 29.5 °C	Date of Start of Analysis : 2-Feb-24
Relative Humidity : 52%	Date of End of Analysis : 7-Feb-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	50.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	90.5	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.7	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	2.52	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	14.9	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



  
 Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe

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\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:02:06193 A

Report Issue Date : 26-Feb-24

ULR-TC682024000013334F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near Coal Fire Boiler Plant	Date of Sampling : 20-Feb-24 to 21-Feb-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 22-Feb-24
Temperature : 29.5°C	Date of Start of Analysis : 22-Feb-24
Relative Humidity : 54%	Date of End of Analysis : 26-Feb-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	48.6	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	87.9	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.9	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	2.8	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	11.4	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



  
 Technical Manager - Instrumentation  
 (Authorised Signatory)  
 Mr. Sachin Tambe

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\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX.001.LAB.A:24:03.03386 A

Report Issue Date : 16-Mar-24

ULR - TC682024000018690F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : Smartchem Technologies Limited

Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near ETP & RO Plant Area

Date of Sampling : 7-Mar-24 to 8-Mar-24

Sample Description : Ambient Air Monitoring

Date of Receipt : 11-Mar-24

Temperature : 32.5°C

Date of Start of Analysis : 11-Mar-24

Relative Humidity : 45%

Date of End of Analysis : 15-Mar-24

Receptor Height : 3.0 m From Ground Level

Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	47.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	88.4	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.63	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	2.3	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	212.2	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



  
Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tambe

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\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:03:03388 A

Report Issue Date : 16-Mar-24

ULR - TC682024000018692F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : Smartchem Technologies Limited

Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near Coal Fire Boiler Plant Area

Date of Sampling : 7-Mar-24 to 8-Mar-24

Sample Description : Ambient Air Monitoring

Date of Receipt : 11-Mar-24

Temperature : 33°C

Date of Start of Analysis : 11-Mar-24

Relative Humidity : 46%

Date of End of Analysis : 15-Mar-24

Receptor Height : 3.0 m From Ground Level

Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	53.7	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	90.8	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.6	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	2.6	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	14.4	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



  
Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tambe

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\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:A:24:03:03385 A

Report Issue Date : 16-Mar-24

ULR - TC682024000018689F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : Smartchem Technologies Limited

Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near Main Gate

Date of Sampling : 7-Mar-24 to 8-Mar-24

Sample Description : Ambient Air Monitoring

Date of Receipt : 11-Mar-24

Temperature : 33°C

Date of Start of Analysis : 11-Mar-24

Relative Humidity : 49%

Date of End of Analysis : 15-Mar-24

Receptor Height : 3.0 m From Ground Level

Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	52.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	84.7	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.6	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	1.6	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	4.4	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	2.9	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



  
Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tambe

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:A:24:03:03387 A

Report Issue Date : 16-Mar-24

ULR - TC682024000018691F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : Smartchem Technologies Limited

Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Location : Near NPK Gate

Date of Sampling : 7-Mar-24 to 8-Mar-24

Sample Description : Ambient Air Monitoring

Date of Receipt : 11-Mar-24

Temperature : 31.5°C

Date of Start of Analysis : 11-Mar-24

Relative Humidity : 47%

Date of End of Analysis : 15-Mar-24

Receptor Height : 3.0 m From Ground Level

Lateral Distance : 1.5 m

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m <sup>3</sup>	CFR 40 – Appendix L	48.3	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m <sup>3</sup>	IS 5182 : Part - 23	83.4	< 100	NAAQS
3	Carbon Monoxide	mg/m <sup>3</sup>	SOP-ENV-39-00	0.5	< 4	NAAQS
4	Ozone	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 411	2.2	<180	NAAQS
5	Nitrogen Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m <sup>3</sup>	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m <sup>3</sup>	SOP-ENV-37-00	<0.5	< 1	NAAQS
8	Ammonia	µg/m <sup>3</sup>	Method of Air Sampling and Analysis, 3 <sup>rd</sup> Edition – Method No - 401	<2.0	< 400	NAAQS
9	Benzene	µg/m <sup>3</sup>	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m <sup>3</sup>	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m <sup>3</sup>	SOP-ENV-37-00	< 0.02	< 20	NAAQS

\*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

  
Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



  
Technical Manager - Instrumentation  
(Authorised Signatory)  
Mr. Sachin Tambe

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 25-Nov-23

Reference Number : EQNX:001:LAB:N:23:11:06100

ULR-TC682023000090803F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited

Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.

Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 21-Nov-23 To  
22-Nov-23

Sampling Location : ANP Plant Area

Date of Receipt : 21-Nov-23

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	21-Nov-23	12:20	80.6	22-Nov-23	1:20	79.6	
2	21-Nov-23	13:20	84.7	22-Nov-23	2:20	78.8	
3	21-Nov-23	14:20	85.1	22-Nov-23	3:20	79	
4	21-Nov-23	15:20	84.7	22-Nov-23	4:20	78.4	
5	21-Nov-23	16:20	83.8	22-Nov-23	5:20	79.1	
6	21-Nov-23	17:20	83.9	22-Nov-23	6:20	78.1	
7	21-Nov-23	18:20	82.2	22-Nov-23	7:20	79.6	
8	21-Nov-23	19:20	82.6	22-Nov-23	8:20	78.3	
9	21-Nov-23	20:20	87.8	22-Nov-23	9:20	81	
10	21-Nov-23	21:20	81.5	22-Nov-23	10:20	81.3	
11	21-Nov-23	22:20	80.3	22-Nov-23	11:20	76.4	
12	21-Nov-23	23:20	78.4				
13	22-Nov-23	0:20	80.4				
		Day Time L <sub>MAX</sub>	87.8		Night Time L <sub>MAX</sub>	80.4	
		Day Time L <sub>MIN</sub>	76.4		Night Time L <sub>MIN</sub>	78.1	
Average Day Time Leq dB (A)			82.4	Average Night Time Leq dB (A)			79.2

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Does Not Confirms CPCB Guideline.*

  
Assistant Manager - Air  
(Authorised Signatory)  
Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

### Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N.23:11:06101  
 Report Issue Date : 25-Nov-23  
 ULR-TC682023000080804F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja,Tal. Parvel, Dist. Raigar.  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00  
 Date of Sampling : 21-Nov-23 To 22-Nov-23  
 Sampling Location : Near Main Gate Area  
 Date of Receipt : 21-Nov-23  
 Sample Description : Ambient Noise Measurement  
 Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

### RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	21-Nov-23	12:30	55.5	22-Nov-23	1:30	57.1	
2	21-Nov-23	13:30	62.1	22-Nov-23	2:30	55.6	
3	21-Nov-23	14:30	59.2	22-Nov-23	3:30	55.9	
4	21-Nov-23	15:30	60.1	22-Nov-23	4:30	57.7	
5	21-Nov-23	16:30	59.2	22-Nov-23	5:30	56.2	
6	21-Nov-23	17:30	57.8	22-Nov-23	6:30	61.8	
7	21-Nov-23	18:30	60.3	22-Nov-23	7:30	59.2	
8	21-Nov-23	19:30	60.4	22-Nov-23	8:30	57.3	
9	21-Nov-23	20:30	61.5	22-Nov-23	9:30	56.4	
10	21-Nov-23	21:30	59.2	22-Nov-23	10:30	55.2	
11	21-Nov-23	22:30	59	22-Nov-23	11:30	51.1	
12	21-Nov-23	23:30	55.6				
13	22-Nov-23	0:30	58.3				
		Day Time L <sub>MAX</sub>	62.1		Night Time L <sub>MAX</sub>	61.8	
		Day Time L <sub>MIN</sub>	51.1		Night Time L <sub>MIN</sub>	55.6	
Average Day Time Leq dB (A)			58.2	Average Night Time Leq dB (A)			57.6

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 28-Nov-23

Reference Number	EQNX:001:LAB:N:23:11:06819	ULR-TC682023000081507F
	EQNX:001:LAB:N:23:11:06820	ULR-TC682023000081508F
	EQNX:001:LAB:N:23:11:06821	ULR-TC682023000081509F
	EQNX:001:LAB:N:23:11:06822	ULR-TC682023000081510F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited

Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Parvel, Dist. Raigar.

Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol	SOP-ENV-16-00	Date of Sampling	24-Nov-23
Sample Description	Noise Monitoring	Date of Receipt	24-Nov-23

**Discipline : Chemical**

**Group : Atmospheric Pollution**

**RESULTS OF ANALYSIS**

Sr. No	Sample No.	Collection Points	Method	Units	Noise Level	Limits as per CPCB*
1	N:23:11:06819	Methenol DG 1050 KVA	SOP-ENV-16-00	dB (A)	74.7	Max 75
2	N:23:11:06820	WNA 4, 500 KVA	SOP-ENV-16-00	dB (A)	72.5	Max 75
3	N:23:11:06821	NPK DG 750 KVA	SOP-ENV-16-00	dB (A)	71.9	Max 75
4	N:23:11:06822	IPA DG 200 KVA	SOP-ENV-16-00	dB (A)	73.8	Max 75

CPCB\* - Central Pollution Control Board

**Remark :** The Noise levels of the above locations Conforms to the CPCB limits.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

**Report Issue date:** 5-Dec-23

Reference Number : EQNX:001:LAB: 0:23:11:07360

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited	Sampling Location : Near GP Plant (STL)
Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigar	Sample Description : Soil
Contact Person : Madan Popeta	

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : NA	Date of Sampling : NA
	Date of Receipt : 27-Nov-23
Sample Drawn By : Client	Date of Start of Analysis : 27-Nov-23
Sample Quantity & Condition : 1 Kg sample in a client packaging is intact without any leaks.	Date of End of Analysis : 2-Dec-23

**RESULTS OF ANALYSIS**

**Discipline:** Chemical

**Group:** Water

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis
1	Exchangeable Sodium Percentage (ESP)	%	By Calculation	0.008
2	Texture	-	Visual Observation	Clay
3	pH	-	EPA 9045 C	7.85
4	Sodium Absorption Ratio	-	By Calculation	3.83
5	Total Nitrogen	%	APHA 4500 No.3 (23rd Edition)	0.07
6	Fluoride as F	mg/Kg	SOP-CHM-27-01	1.8
7	Moisture	%	By Gravimetry	21.1
8	Sulphur	%	By ICPOES	0.01
9	Cation exchange capacity (CEC)	g/100g	By Calculation	48.7
10	Chloride as Cl	mg/Kg	IS 3025 : Part 32 : 1988 Reaff 2019	4.1
11	Organic Matter	mg/Kg	SOP-CHM-45-00	6.6
12	Electrical Conductivity	µs/cm	SOP-CHM-43-00	240.0
13	Phosphorus	%	SOP-CHM-27-01 PART B 2023	0.08

**Discipline:** Chemical

**Group:** Residue and Contamination in Water

**Heavy Metals :**

1	Potassium	%	SOP-CHM-27-01 PART B 2022	0.058
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 Quality Manager  
 (Authorised Signatory)  
 Mrs Manisha Kharade



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:23:11:06099 Report Issue Date : 25-Nov-23  
 ULR-TC682023000080800F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 21-Nov-23 To 22-Nov-23  
 Sampling Location : Near RO & ETP Plant Area Date of Receipt : 21-Nov-23  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	21-Nov-23	11:35	68.3	22-Nov-23	0:35	71.1	
2	21-Nov-23	12:35	66.9	22-Nov-23	1:35	70.4	
3	21-Nov-23	13:35	64.7	22-Nov-23	2:35	68.8	
4	21-Nov-23	14:35	68.2	22-Nov-23	3:35	67.9	
5	21-Nov-23	15:35	62	22-Nov-23	4:35	69.1	
6	21-Nov-23	16:35	62.4	22-Nov-23	5:35	68.8	
7	21-Nov-23	17:35	72.1	22-Nov-23	6:35	65.9	
8	21-Nov-23	18:35	66.3	22-Nov-23	7:35	64.2	
9	21-Nov-23	19:35	64.9	22-Nov-23	8:35	64.9	
10	21-Nov-23	20:35	61.6	22-Nov-23	9:35	67.1	
11	21-Nov-23	21:35	62	22-Nov-23	10:35	69.5	
12	21-Nov-23	22:35	66.4				
13	21-Nov-23	23:35	70.5				
		Day Time L <sub>MAX</sub>	72.1		Night Time L <sub>MAX</sub>	71.1	
		Day Time L <sub>MIN</sub>	61.6		Night Time L <sub>MIN</sub>	64.2	
Average Day Time Leq dB (A)			65.8	Average Night Time Leq dB (A)			68.3

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guideline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:23:11:06096 Report Issue Date : 25-Nov-23  
 ULR-TC682023000080797F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 21-Nov-23 To 22-Nov-23  
 Sampling Location : Near NKP Gate Area Date of Receipt : 21-Nov-23  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	21-Nov-23	11:20	55.8	22-Nov-23	0:20	56.2
2	21-Nov-23	12:20	59.6	22-Nov-23	1:20	61.2
3	21-Nov-23	13:20	52.1	22-Nov-23	2:20	57.9
4	21-Nov-23	14:20	54.4	22-Nov-23	3:20	55.7
5	21-Nov-23	15:20	53.8	22-Nov-23	4:20	54.1
6	21-Nov-23	16:20	60.8	22-Nov-23	5:20	56.7
7	21-Nov-23	17:20	59.1	22-Nov-23	6:20	55.3
8	21-Nov-23	18:20	58.6	22-Nov-23	7:20	54.5
9	21-Nov-23	19:20	53.1	22-Nov-23	8:20	56.8
10	21-Nov-23	20:20	56.3	22-Nov-23	9:20	55.7
11	21-Nov-23	21:20	57.2	22-Nov-23	10:20	53.4
12	21-Nov-23	22:20	53.8			
13	21-Nov-23	23:20	54.4			
			Day Time L <sub>MAX</sub>			Night Time L <sub>MAX</sub>
			Day Time L <sub>MIN</sub>			Night Time L <sub>MIN</sub>
Average Day Time Leq dB (A)			56.1	Average Night Time Leq dB (A)		56.0

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guideline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:23:12:02145 R      Report Issue Date : 27-Dec-23  
 ULR-TC682023000084616F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 7-Dec-23 to 8-Dec-23  
 Sampling Location : Near Main Gate      Date of Receipt : 8-Dec-23  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	7-Dec-23	11:00 AM	71.4	8-Dec-23	12:00 AM	63.8	
2	7-Dec-23	12:00 PM	63.4	8-Dec-23	1:00 AM	70.1	
3	7-Dec-23	1:00 PM	64.8	8-Dec-23	2:00 AM	65.5	
4	7-Dec-23	2:00 PM	65.6	8-Dec-23	3:00 AM	66.8	
5	7-Dec-23	3:00 PM	70.2	8-Dec-23	4:00 AM	64.1	
6	7-Dec-23	4:00 PM	68.1	8-Dec-23	5:00 AM	63.0	
7	7-Dec-23	5:00 PM	67.0	8-Dec-23	6:00 AM	63.7	
8	7-Dec-23	6:00 PM	65.5	8-Dec-23	7:00 AM	65.9	
9	7-Dec-23	7:00 PM	66.4	8-Dec-23	8:00 AM	63.7	
10	7-Dec-23	8:00 PM	63.4	8-Dec-23	9:00 AM	67.5	
11	7-Dec-23	9:00 PM	62.9	8-Dec-23	10:00 AM	62.8	
12	7-Dec-23	10:00 PM	68.4				
13	7-Dec-23	11:00 PM	62.1				
		Day Time L <sub>MAX</sub>	71.4			Night Time L <sub>MAX</sub>	70.1
		Day Time L <sub>MIN</sub>	62.8			Night Time L <sub>MIN</sub>	62.1
Average Day Time Leq dB (A)			65.9	Average Night Time Leq dB (A)			65.3

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

**Remark - The Above Results Found Satisfactory as per CPCB Guideline.**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N:23:12:02145 R Report Issue Date : 27-Dec-23  
 ULR-TC682023000084616F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 7-Dec-23 to 8-Dec-23  
 Sampling Location : Near Main Gate Date of Receipt : 8-Dec-23  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	7-Dec-23	11:00 AM	71.4	8-Dec-23	12:00 AM	63.8	
2	7-Dec-23	12:00 PM	63.4	8-Dec-23	1:00 AM	70.1	
3	7-Dec-23	1:00 PM	64.8	8-Dec-23	2:00 AM	65.5	
4	7-Dec-23	2:00 PM	65.6	8-Dec-23	3:00 AM	66.8	
5	7-Dec-23	3:00 PM	70.2	8-Dec-23	4:00 AM	64.1	
6	7-Dec-23	4:00 PM	68.1	8-Dec-23	5:00 AM	63.0	
7	7-Dec-23	5:00 PM	67.0	8-Dec-23	6:00 AM	63.7	
8	7-Dec-23	6:00 PM	65.5	8-Dec-23	7:00 AM	65.9	
9	7-Dec-23	7:00 PM	66.4	8-Dec-23	8:00 AM	63.7	
10	7-Dec-23	8:00 PM	63.4	8-Dec-23	9:00 AM	67.5	
11	7-Dec-23	9:00 PM	62.9	8-Dec-23	10:00 AM	62.8	
12	7-Dec-23	10:00 PM	68.4				
13	7-Dec-23	11:00 PM	62.1				
		Day Time L <sub>MAX</sub>	71.4			Night Time L <sub>MAX</sub>	70.1
		Day Time L <sub>MIN</sub>	62.8			Night Time L <sub>MIN</sub>	62.1
Average Day Time Leq dB (A)			65.9	Average Night Time Leq dB (A)			65.3

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

**Remark - The Above Results Found Satisfactory as per CPCB Guidline.**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



**Note :**

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:23:12:02147 R      Report Issue Date : 27-Dec-23  
 ULR-TC682023000084617F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 7-Dec-23 to 8-Dec-23  
 Sampling Location : Near AN / ANP Gate      Date of Receipt : 8-Dec-23  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	7-Dec-23	11:30 AM	67.9	8-Dec-23	12:30 AM	64.5	
2	7-Dec-23	12:30 PM	59	8-Dec-23	1:30 AM	68.2	
3	7-Dec-23	1:30 PM	72.1	8-Dec-23	2:30 AM	65.6	
4	7-Dec-23	2:30 PM	61.6	8-Dec-23	3:30 AM	63.4	
5	7-Dec-23	3:30 PM	61	8-Dec-23	4:30 AM	65.6	
6	7-Dec-23	4:30 PM	58.2	8-Dec-23	5:30 AM	65.9	
7	7-Dec-23	5:30 PM	60.1	8-Dec-23	6:30 AM	64	
8	7-Dec-23	6:30 PM	76.8	8-Dec-23	7:30 AM	62.1	
9	7-Dec-23	7:30 PM	79.9	8-Dec-23	8:30 AM	64.8	
10	7-Dec-23	8:30 PM	62.2	8-Dec-23	9:30 AM	66.7	
11	7-Dec-23	9:30 PM	62.6	8-Dec-23	10:30 AM	68.9	
12	7-Dec-23	10:30 PM	60.9				
13	7-Dec-23	11:30 PM	63.6				
		Day Time L <sub>MAX</sub>	79.9			Night Time L <sub>MAX</sub>	68.2
		Day Time L <sub>MIN</sub>	60.1			Night Time L <sub>MIN</sub>	60.59
Average Day Time Leq dB (A)			65.5	Average Night Time Leq dB (A)			64.7

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

**Remark - The Above Results Found Satisfactory as per CPCB Guidline.**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 2-Feb-24

Reference Number : EQNX:001:LAB:N:23:12:02148 R1

ULR-TC682023000084618F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 7-Dec-23 to 8-Dec-23  
 Samling Location : CNA IV CT Area Date of Receipt : 8-Dec-23  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	7-Dec-23	2:10 PM	69.4	8-Dec-23	3:10 AM	69.5	
2	7-Dec-23	3:10 PM	73.4	8-Dec-23	4:10 AM	67.1	
3	7-Dec-23	4:10 PM	65.3	8-Dec-23	5:10 AM	66.7	
4	7-Dec-23	5:10 PM	62.2	8-Dec-23	6:10 AM	68.2	
5	7-Dec-23	6:10 PM	61	8-Dec-23	7:10 AM	67.4	
6	7-Dec-23	7:10 PM	69.1	8-Dec-23	8:10 AM	70.3	
7	7-Dec-23	8:10 PM	68.2	8-Dec-23	9:10 AM	67.2	
8	7-Dec-23	9:10 PM	68.3	8-Dec-23	10:10 AM	63.5	
9	7-Dec-23	10:10 PM	64.5	8-Dec-23	11:10 AM	68.8	
10	7-Dec-23	11:10 PM	61.7	8-Dec-23	12:10 PM	70.1	
11	8-Dec-23	12:10 AM	63.3	8-Dec-23	1:10 PM	70.9	
12	8-Dec-23	1:10 AM	64.4				
13	8-Dec-23	2:10 AM	68.9				
		Day Time L <sub>MAX</sub>	73.4			Night Time L <sub>MAX</sub>	69.5
		Day Time L <sub>MIN</sub>	61			Night Time L <sub>MIN</sub>	61.7
Average Day Time Leq dB (A)			67.7	Average Night Time Leq dB (A)			65.7

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

**Remark - The Above Results Found Satisfactory as per CPCB Guidline.**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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5. The information provided by customer can affect the validity of results
6. This report is issued in the lieu of report number N23:12:02148 R dated 12/27/2023

\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Report Issue Date : 27-Dec-23

Reference Number : EQNX:001:LAB:N:23:12:02150 R

ULR-TC682023000084619F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja,Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 7-Dec-23 to 8-Dec-23  
 Samling Location : Near ETP RO Area Date of Receipt : 8-Dec-23  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	7-Dec-23	11:45 AM	59.9	8-Dec-23	12:45 AM	62.1	
2	7-Dec-23	12:45 PM	72.1	8-Dec-23	1:45 AM	61.9	
3	7-Dec-23	1:45 PM	76.7	8-Dec-23	2:45 AM	64.8	
4	7-Dec-23	2:45 PM	71.9	8-Dec-23	3:45 AM	66	
5	7-Dec-23	3:45 PM	74.4	8-Dec-23	4:45 AM	63.2	
6	7-Dec-23	4:45 PM	73	8-Dec-23	5:45 AM	62.6	
7	7-Dec-23	5:45 PM	74.2	8-Dec-23	6:45 AM	62.5	
8	7-Dec-23	6:45 PM	72.2	8-Dec-23	7:45 AM	64.6	
9	7-Dec-23	7:45 PM	72.9	8-Dec-23	8:45 AM	69.7	
10	7-Dec-23	8:45 PM	66	8-Dec-23	9:45 AM	70.1	
11	7-Dec-23	9:45 PM	64.6	8-Dec-23	10:45 AM	70.4	
12	7-Dec-23	10:45 PM	63.8				
13	7-Dec-23	11:45 PM	62.1				
		Day Time L <sub>MAX</sub>	76.7			Night Time L <sub>MAX</sub>	66
		Day Time L <sub>MIN</sub>	59.9			Night Time L <sub>MIN</sub>	61.9
<b>Average Day Time Leq dB (A)</b>			<b>69.7</b>	<b>Average Night Time Leq dB (A)</b>			<b>63.3</b>

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

**Remark - The Above Results Found Satisfactory as per CPCB Guidline.**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



Note :

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6. This report is issued in the lieu of report number N23:12:02150 dated 09-12-2023.

\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 23-Dec-23

Reference Number : EQNX-001:LAB:N:23:12:06152

ULR-TC682023000088736F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smarchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 18-Dec-23 To 19-Dec-23  
 Saming Location : C.F.B CT Area Date of Receipt : 19-Dec-23  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	18-Dec-23	12:00 PM	76.8	19-Dec-23	1:00 AM	68.8
2	18-Dec-23	1:00 PM	77.2	19-Dec-23	2:00 AM	63.1
3	18-Dec-23	2:00 PM	70.3	19-Dec-23	3:00 AM	64.2
4	18-Dec-23	3:00 PM	71.9	19-Dec-23	4:00 AM	66.7
5	18-Dec-23	4:00 PM	75.4	19-Dec-23	5:00 AM	67.1
6	18-Dec-23	5:00 PM	73.1	19-Dec-23	6:00 AM	66.2
7	18-Dec-23	6:00 PM	74.8	19-Dec-23	7:00 AM	70.8
8	18-Dec-23	7:00 PM	69.9	19-Dec-23	8:00 AM	71.2
9	18-Dec-23	8:00 PM	68.2	19-Dec-23	9:00 AM	72.1
10	18-Dec-23	9:00 PM	69.5	19-Dec-23	10:00 AM	73.7
11	18-Dec-23	10:00 PM	68.2	19-Dec-23	11:00 AM	70.1
12	18-Dec-23	11:00 PM	65.4			
13	19-Dec-23	12:00 AM	63.2			
		Day Time L <sub>MAX</sub>	77.2		Night Time L <sub>MAX</sub>	68.8
		Day Time L <sub>MIN</sub>	68.2		Night Time L <sub>MIN</sub>	63.1
Average Day Time Leq dB (A)			71.72	Average Night Time Leq dB (A)		65.87

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:23:12:06153 Report Issue Date : 23-Dec-23  
 ULR-TC682023000088737F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smarchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigar.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 18-Dec-23 To 19-Dec-23  
 Samling Location : CNA IV CT Area Date of Receipt : 19-Dec-23  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	18-Dec-23	11:40 AM	74.5	19-Dec-23	12:40 AM	67.2
2	18-Dec-23	12:40 PM	74.8	19-Dec-23	1:40 AM	65.3
3	18-Dec-23	1:40 PM	73.1	19-Dec-23	2:40 AM	66.1
4	18-Dec-23	2:40 PM	74.9	19-Dec-23	3:40 AM	68.2
5	18-Dec-23	3:40 PM	74.2	19-Dec-23	4:40 AM	69.1
6	18-Dec-23	4:40 PM	74.3	19-Dec-23	5:40 AM	68.2
7	18-Dec-23	5:40 PM	75.2	19-Dec-23	6:40 AM	72.3
8	18-Dec-23	6:40 PM	75.8	19-Dec-23	7:40 AM	76.1
9	18-Dec-23	7:40 PM	75.1	19-Dec-23	8:40 AM	74.5
10	18-Dec-23	8:40 PM	74.4	19-Dec-23	9:40 AM	75.1
11	18-Dec-23	9:40 PM	72.5	19-Dec-23	10:40 AM	74.3
12	18-Dec-23	10:40 PM	69.1			
13	18-Dec-23	11:40 PM	68.2			
		Day Time L <sub>MAX</sub>	76.1		Night Time L <sub>MAX</sub>	69.1
		Day Time L <sub>MIN</sub>	72.3		Night Time L <sub>MIN</sub>	65.3
Average Day Time Leq dB (A)			74.44	Average Night Time Leq dB (A)		67.7

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner





## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:01:05525 Report Issue Date : 23-Jan-24  
 ULR-TC682024000005171F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 18-Jan-24 To 19-Jan-24  
 Sampling Location : CNA IV CT Area Date of Receipt : 19-Jan-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	18-Jan-24	15:00	79.8	19-Jan-24	4:00	84.3
2	18-Jan-24	16:00	79.5	19-Jan-24	5:00	84.2
3	18-Jan-24	17:00	79.1	19-Jan-24	6:00	81.5
4	18-Jan-24	18:00	80.7	19-Jan-24	7:00	81.7
5	18-Jan-24	19:00	81.4	19-Jan-24	8:00	83.7
6	18-Jan-24	20:00	83.3	19-Jan-24	9:00	82.6
7	18-Jan-24	21:00	80.8	19-Jan-24	10:00	84.5
8	18-Jan-24	22:00	80.5	19-Jan-24	11:00	83.1
9	18-Jan-24	23:00	80.2	19-Jan-24	12:00	82.4
10	19-Jan-24	0:00	81.4	19-Jan-24	13:00	82.3
11	19-Jan-24	1:00	81.2	19-Jan-24	14:00	84.5
12	19-Jan-24	2:00	80.9			
13	19-Jan-24	3:00	81.3			
			<b>Day Time L<sub>MAX</sub></b>			<b>Night Time L<sub>MAX</sub></b>
			<b>84.5</b>			<b>84.3</b>
			<b>Day Time L<sub>MIN</sub></b>			<b>Night Time L<sub>MIN</sub></b>
			<b>79.1</b>			<b>80.2</b>
<b>Average Day Time Leq dB (A)</b>			<b>81.84</b>	<b>Average Night Time Leq dB (A)</b>		<b>81.72</b>

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

**Remark - The Above Results Dose not Found Satisfactory as per CPCB Guidline.**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:01:05525 Report Issue Date : 23-Jan-24  
 ULR-TC682024000005171F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 18-Jan-24 To 19-Jan-24  
 Sampling Location : CNA IV CT Area Date of Receipt : 19-Jan-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	18-Jan-24	15:00	79.8	19-Jan-24	4:00	84.3
2	18-Jan-24	16:00	79.5	19-Jan-24	5:00	84.2
3	18-Jan-24	17:00	79.1	19-Jan-24	6:00	81.5
4	18-Jan-24	18:00	80.7	19-Jan-24	7:00	81.7
5	18-Jan-24	19:00	81.4	19-Jan-24	8:00	83.7
6	18-Jan-24	20:00	83.3	19-Jan-24	9:00	82.6
7	18-Jan-24	21:00	80.8	19-Jan-24	10:00	84.5
8	18-Jan-24	22:00	80.5	19-Jan-24	11:00	83.1
9	18-Jan-24	23:00	80.2	19-Jan-24	12:00	82.4
10	19-Jan-24	0:00	81.4	19-Jan-24	13:00	82.3
11	19-Jan-24	1:00	81.2	19-Jan-24	14:00	84.5
12	19-Jan-24	2:00	80.9			
13	19-Jan-24	3:00	81.3			
			<b>Day Time L<sub>MAX</sub></b>			<b>Night Time L<sub>MAX</sub></b>
			<b>84.5</b>			<b>84.3</b>
			<b>Day Time L<sub>MIN</sub></b>			<b>Night Time L<sub>MIN</sub></b>
			<b>79.1</b>			<b>80.2</b>
<b>Average Day Time Leq dB (A)</b>			<b>81.84</b>	<b>Average Night Time Leq dB (A)</b>		<b>81.72</b>

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

**Remark - The Above Results Dose not Found Satisfactory as per CPCB Guidline.**

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB-N:24:01:05527      Report Issue Date : 23-Jan-24  
 ULR-TC682024000005169F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 17-Jan-24 To 18-Jan-24  
 Sampling Location : Near Ammonia Gate      Date of Receipt : 18-Jan-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**  
**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	17-Jan-24	12:00	69.1	18-Jan-24	1:00	67.3	
2	17-Jan-24	13:00	64.8	18-Jan-24	2:00	65.6	
3	17-Jan-24	14:00	63.9	18-Jan-24	3:00	64.6	
4	17-Jan-24	15:00	64.2	18-Jan-24	4:00	68.1	
5	17-Jan-24	16:00	63.6	18-Jan-24	5:00	66.9	
6	17-Jan-24	17:00	64.1	18-Jan-24	6:00	65.6	
7	17-Jan-24	18:00	64.2	18-Jan-24	7:00	68.9	
8	17-Jan-24	19:00	63.9	18-Jan-24	8:00	67.1	
9	17-Jan-24	20:00	64.9	18-Jan-24	9:00	67.9	
10	17-Jan-24	21:00	65.3	18-Jan-24	10:00	63.4	
11	17-Jan-24	22:00	65.4	18-Jan-24	11:00	66.2	
12	17-Jan-24	23:00	66.3				
13	18-Jan-24	0:00	65.1				
		Day Time L <sub>MAX</sub>	69.1			Night Time L <sub>MAX</sub>	68.9
		Day Time L <sub>MIN</sub>	63.4			Night Time L <sub>MIN</sub>	64.6
<b>Average Day Time Leq dB (A)</b>			<b>65.32</b>	<b>Average Night Time Leq dB (A)</b>			<b>66.1</b>

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB-N:24:01:05527 Report Issue Date : 23-Jan-24  
 ULR-TC682024000005169F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 17-Jan-24 To 18-Jan-24  
 Sampling Location : Near Ammonia Gate Date of Receipt : 18-Jan-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**  
**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	17-Jan-24	12:00	69.1	18-Jan-24	1:00	67.3	
2	17-Jan-24	13:00	64.8	18-Jan-24	2:00	65.6	
3	17-Jan-24	14:00	63.9	18-Jan-24	3:00	64.6	
4	17-Jan-24	15:00	64.2	18-Jan-24	4:00	68.1	
5	17-Jan-24	16:00	63.6	18-Jan-24	5:00	66.9	
6	17-Jan-24	17:00	64.1	18-Jan-24	6:00	65.6	
7	17-Jan-24	18:00	64.2	18-Jan-24	7:00	68.9	
8	17-Jan-24	19:00	63.9	18-Jan-24	8:00	67.1	
9	17-Jan-24	20:00	64.9	18-Jan-24	9:00	67.9	
10	17-Jan-24	21:00	65.3	18-Jan-24	10:00	63.4	
11	17-Jan-24	22:00	65.4	18-Jan-24	11:00	66.2	
12	17-Jan-24	23:00	66.3				
13	18-Jan-24	0:00	65.1				
		Day Time L <sub>MAX</sub>	69.1			Night Time L <sub>MAX</sub>	68.9
		Day Time L <sub>MIN</sub>	63.4			Night Time L <sub>MIN</sub>	64.6
<b>Average Day Time Leq dB (A)</b>			<b>65.32</b>	<b>Average Night Time Leq dB (A)</b>			<b>66.1</b>

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:01:05528 Report Issue Date : 23-Jan-24  
 ULR-TC682024000005168F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 17-Jan-24 To 18-Jan-24  
 Sampling Location : Near Main Gate Date of Receipt : 18-Jan-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	17-Jan-24	12:15	64.1	18-Jan-24	1:15	65.4	
2	17-Jan-24	13:15	65.3	18-Jan-24	2:15	64.6	
3	17-Jan-24	14:15	66.7	18-Jan-24	3:15	64.8	
4	17-Jan-24	15:15	66.2	18-Jan-24	4:15	64.9	
5	17-Jan-24	16:15	62.3	18-Jan-24	5:15	67.8	
6	17-Jan-24	17:15	64.8	18-Jan-24	6:15	67.3	
7	17-Jan-24	18:15	68.4	18-Jan-24	7:15	62.4	
8	17-Jan-24	19:15	69.2	18-Jan-24	8:15	67.3	
9	17-Jan-24	20:15	66.4	18-Jan-24	9:15	67.5	
10	17-Jan-24	21:15	63.4	18-Jan-24	10:15	66.9	
11	17-Jan-24	22:15	68.9	18-Jan-24	11:15	64.8	
12	17-Jan-24	23:15	64.2				
13	18-Jan-24	0:15	65.3				
		Day Time L <sub>MAX</sub>	69.2			Night Time L <sub>MAX</sub>	68.9
		Day Time L <sub>MIN</sub>	62.3			Night Time L <sub>MIN</sub>	64.2
<b>Average Day Time Leq dB (A)</b>			<b>65.81</b>	<b>Average Night Time Leq dB (A)</b>			<b>65.73</b>

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guideline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N.24:01:06086 Report Issue Date : 24-Jan-24  
 ULR-TC682024000005612F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 19-Jan-24 To 20-Jan-24  
 Sampling Location : Near NPK Bagging South Side Area Date of Receipt : 20-Jan-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	19-Jan-24	14:30 PM	64.9	20-Jan-24	03:30 AM	68.2
2	19-Jan-24	15:30 PM	63.4	20-Jan-24	04:30 AM	67.3
3	19-Jan-24	16:30 PM	65.9	20-Jan-24	05:30 AM	65.4
4	19-Jan-24	17:30 PM	66.4	20-Jan-24	06:30 AM	66.3
5	19-Jan-24	18:30 PM	66.3	20-Jan-24	07:30 AM	67.3
6	19-Jan-24	19:30 PM	67.3	20-Jan-24	08:30 AM	68.4
7	19-Jan-24	20:30 PM	67.4	20-Jan-24	09:30 AM	64.8
8	19-Jan-24	21:30 PM	68.3	20-Jan-24	10:30 AM	62.3
9	19-Jan-24	22:30 PM	68.9	20-Jan-24	11:30 AM	63.4
10	19-Jan-24	23:30 PM	66.2	20-Jan-24	12:30 PM	65.4
11	20-Jan-24	00:30 AM	62.3	20-Jan-24	13:30 PM	66.3
12	20-Jan-24	01:30 AM	65.4			
13	20-Jan-24	02:30 AM	66.3			
		Day Time L <sub>MAX</sub>	68.4		Night Time L <sub>MAX</sub>	68.9
		Day Time L <sub>MIN</sub>	62.3		Night Time L <sub>MIN</sub>	62.3
Average Day Time Leq dB (A)			65.88	Average Night Time Leq dB (A)		66.25

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guideline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N.24:01:06087 Report Issue Date : 24-Jan-24  
 ULR-TC682024000005613F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 19-Jan-24 To 20-Jan-24  
 Sampling Location : Near NPK Gate Area Date of Receipt : 20-Jan-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	19-Jan-24	14:15 PM	59.9	20-Jan-24	03:15 AM	69.3
2	19-Jan-24	15:15 PM	66.4	20-Jan-24	04:15 AM	66.3
3	19-Jan-24	16:15 PM	67.4	20-Jan-24	05:15 AM	65.1
4	19-Jan-24	17:15 PM	61.5	20-Jan-24	06:15 AM	66.1
5	19-Jan-24	18:15 PM	61.3	20-Jan-24	07:15 AM	60.3
6	19-Jan-24	19:15 PM	66.5	20-Jan-24	08:15 AM	63.7
7	19-Jan-24	20:15 PM	64.2	20-Jan-24	09:15 AM	56.9
8	19-Jan-24	21:15 PM	63.9	20-Jan-24	10:15 AM	61.5
9	19-Jan-24	22:15 PM	64.5	20-Jan-24	11:15 AM	67.6
10	19-Jan-24	23:15 PM	64.9	20-Jan-24	12:15 PM	61.5
11	20-Jan-24	00:15 AM	64.8	20-Jan-24	13:15 PM	66.2
12	20-Jan-24	01:15 AM	66.5			
13	20-Jan-24	02:15 AM	68.9			
		Day Time L <sub>MAX</sub>	67.6		Night Time L <sub>MAX</sub>	69.3
		Day Time L <sub>MIN</sub>	56.9		Night Time L <sub>MIN</sub>	64.5
Average Day Time Leq dB (A)			63.43	Average Night Time Leq dB (A)		66.28

**Note** - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

**Remark** - The Above Results Found Satisfactory as per CPCB Guideline.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner





## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:02:06004  
 Report Issue Date : 23-Feb-24  
 ULR-TC682024000013242F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00  
 Date of Sampling : 20-Feb-24 To 21-Feb-24  
 Sampling Location : Near CNA - 3 CT Area  
 Date of Receipt : 21-Feb-24  
 Sample Description : Ambient Noise Measurement  
 Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	20-Feb-24	12.10	77.7	21-Feb-24	1.10	70.9	
2	20-Feb-24	13.10	72.3	21-Feb-24	2.10	62.5	
3	20-Feb-24	14.10	71.4	21-Feb-24	3.10	61.5	
4	20-Feb-24	15.10	70.3	21-Feb-24	4.10	58.9	
5	20-Feb-24	16.10	72.5	21-Feb-24	5.10	60.5	
6	20-Feb-24	17.10	72.4	21-Feb-24	6.10	61.5	
7	20-Feb-24	18.10	73.6	21-Feb-24	7.10	61.2	
8	20-Feb-24	19.10	79.3	21-Feb-24	8.10	62.3	
9	20-Feb-24	20.10	69.5	21-Feb-24	9.10	62.4	
10	20-Feb-24	21.10	70.2	21-Feb-24	10.10	63.4	
11	20-Feb-24	22.10	68.5	21-Feb-24	11.10	69.8	
12	20-Feb-24	23.10	64.5				
13	21-Feb-24	24.10	66.6				
		Day Time L <sub>MAX</sub>	79.3			Night Time L <sub>MAX</sub>	70.9
		Day Time L <sub>MIN</sub>	61.2			Night Time L <sub>MIN</sub>	58.9
Average Day Time Leq dB (A)			69.3	Average Night Time Leq dB (A)			64.2

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 27-Feb-24

Reference Number : EQNX.001:LAB:N:24:02:07861

ULR-TC682024000013920F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 21-Feb-24 to 22-Feb-24  
 Sampling Location : Near RO / ETP Area Date of Receipt : 22-Feb-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	21-Feb-24	13.55	60.4	22-Feb-24	2.55	72.8	
2	21-Feb-24	14.55	65.4	22-Feb-24	3.55	71.3	
3	21-Feb-24	15.55	66.4	22-Feb-24	4.55	69.8	
4	21-Feb-24	16.55	69.8	22-Feb-24	5.55	68.3	
5	21-Feb-24	17.55	67.5	22-Feb-24	6.55	68.7	
6	21-Feb-24	18.55	65.7	22-Feb-24	7.55	66.4	
7	21-Feb-24	19.55	66.9	22-Feb-24	8.55	66.5	
8	21-Feb-24	20.55	68.2	22-Feb-24	9.55	66.8	
9	21-Feb-24	21.55	69.8	22-Feb-24	10.55	68.9	
10	21-Feb-24	22.55	66.7	22-Feb-24	11.55	65.4	
11	21-Feb-24	23.55	66.3	22-Feb-24	12.55	66.7	
12	22-Feb-24	24.55	64.5				
13	22-Feb-24	1.55	63.2				
		Day Time L <sub>MAX</sub>	69.8			Night Time L <sub>MAX</sub>	72.8
		Day Time L <sub>MIN</sub>	60.4			Night Time L <sub>MIN</sub>	63.2
Average Day Time Leq dB (A)			66.8	Average Night Time Leq dB (A)			67.8

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM ).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue Date : 27-Feb-24

Reference Number : EQNX:001:LAB:N:24:02:07860      ULR-TC682024000013919F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 21-Feb-24 to 22-Feb-24  
 Sampling Location : Near AN / ANP Gate Area      Date of Receipt : 22-Feb-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	21-Feb-24	13.50	79.9	22-Feb-24	2.50	72.8	
2	21-Feb-24	14.50	74.5	22-Feb-24	3.50	71.5	
3	21-Feb-24	15.50	72.8	22-Feb-24	4.50	69.5	
4	21-Feb-24	16.50	73.2	22-Feb-24	5.50	65.4	
5	21-Feb-24	17.50	71.8	22-Feb-24	6.50	66.3	
6	21-Feb-24	18.50	78.9	22-Feb-24	7.50	74.5	
7	21-Feb-24	19.50	75.4	22-Feb-24	8.50	72.8	
8	21-Feb-24	20.50	69.8	22-Feb-24	9.50	71.3	
9	21-Feb-24	21.50	72.3	22-Feb-24	10.50	72.5	
10	21-Feb-24	22.50	70.2	22-Feb-24	11.50	78.9	
11	21-Feb-24	23.50	68.9	22-Feb-24	12.50	72.5	
12	22-Feb-24	24.50	62.4				
13	22-Feb-24	1.50	65.4				
		Day Time L <sub>MAX</sub>	79.9			Night Time L <sub>MAX</sub>	72.8
		Day Time L <sub>MIN</sub>	66.3			Night Time L <sub>MIN</sub>	62.4
Average Day Time Leq dB (A)			73.5	Average Night Time Leq dB (A)			68.2

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guideline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:02:07859      Report Issue Date : 26-Feb-24  
 ULR-TC682024000013901F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 22-Feb-24 To 23-Feb-24  
 Sampling Location : Near Coal Fire CT Area      Date of Receipt : 23-Feb-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**  
**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	22-Feb-24	12:15	79.3	23-Feb-24	1:15	66.5
2	22-Feb-24	13:15	75.4	23-Feb-24	2:15	69.5
3	22-Feb-24	14:15	73.2	23-Feb-24	3:15	65.4
4	22-Feb-24	15:15	78.9	23-Feb-24	4:15	66.4
5	22-Feb-24	16:15	79.5	23-Feb-24	5:15	69.5
6	22-Feb-24	17:15	76.4	23-Feb-24	6:15	70.3
7	22-Feb-24	18:15	76.5	23-Feb-24	7:15	71.2
8	22-Feb-24	19:15	78.3	23-Feb-24	8:15	73.5
9	22-Feb-24	20:15	75.4	23-Feb-24	9:15	74.5
10	22-Feb-24	21:15	71.2	23-Feb-24	10:15	76.4
11	22-Feb-24	22:15	72.9	23-Feb-24	11:15	78.9
12	22-Feb-24	23:15	73.4			
13	23-Feb-24	0:15	69.4			
			Day Time L <sub>MAX</sub>			Night Time L <sub>MAX</sub>
			79.5			73.4
			Day Time L <sub>MIN</sub>			Night Time L <sub>MIN</sub>
			71.2			65.4
Average Day Time Leq dB (A)			75.9	Average Night Time Leq dB (A)		69.3

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



**Note :**

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX:001-LAB:N:24:02:07858      Report Issue Date : 26-Feb-24  
 ULR-TC682024000013900F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 22-Feb-24 To 23-Feb-24  
 Sampling Location : Near Ammonia Gate      Date of Receipt : 23-Feb-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

### RESULTS OF ANALYSIS

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	22-Feb-24	11:00	70.3	23-Feb-24	0:00	69.4	
2	22-Feb-24	12:00	72.4	23-Feb-24	1:00	71.3	
3	22-Feb-24	13:00	75.9	23-Feb-24	2:00	67.3	
4	22-Feb-24	14:00	78.7	23-Feb-24	3:00	68.3	
5	22-Feb-24	15:00	75.4	23-Feb-24	4:00	64.5	
6	22-Feb-24	16:00	73.2	23-Feb-24	5:00	65.4	
7	22-Feb-24	17:00	72.4	23-Feb-24	6:00	70.2	
8	22-Feb-24	18:00	71.9	23-Feb-24	7:00	71.3	
9	22-Feb-24	19:00	70.4	23-Feb-24	8:00	72.5	
10	22-Feb-24	20:00	69.8	23-Feb-24	9:00	73.4	
11	22-Feb-24	21:00	65.4	23-Feb-24	10:00	69.5	
12	22-Feb-24	22:00	67.3				
13	22-Feb-24	23:00	68.2				
		Day Time L <sub>MAX</sub>	78.7			Night Time L <sub>MAX</sub>	71.3
		Day Time L <sub>MIN</sub>	65.4			Night Time L <sub>MIN</sub>	64.5
Average Day Time Leq dB (A)			72.2	Average Night Time Leq dB (A)			68.0

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guideline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



**Note :**

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\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:02:07863 Report Issue Date : 27-Feb-24  
 ULR-TC682024000013922F ULR-TC682024000013922F

### INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

### PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 22-Feb-24 To 23-Feb-24  
 Sampling Location : Near NPK Bagging Area Date of Receipt : 23-Feb-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

### RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	22-Feb-24	15:00	61.8	23-Feb-24	4:00	65.4	
2	22-Feb-24	16:00	65.3	23-Feb-24	5:00	63.2	
3	22-Feb-24	17:00	64.5	23-Feb-24	6:00	66.9	
4	22-Feb-24	18:00	68.9	23-Feb-24	7:00	72.3	
5	22-Feb-24	19:00	69.8	23-Feb-24	8:00	65.4	
6	22-Feb-24	20:00	67.3	23-Feb-24	9:00	66.9	
7	22-Feb-24	21:00	67.4	23-Feb-24	10:00	67.3	
8	22-Feb-24	22:00	68.9	23-Feb-24	11:00	68.4	
9	22-Feb-24	23:00	67.5	23-Feb-24	12:00	66.3	
10	23-Feb-24	0:00	66.4	23-Feb-24	13:00	66.9	
11	23-Feb-24	1:00	65.3	23-Feb-24	14:00	67.3	
12	23-Feb-24	2:00	62.1				
13	23-Feb-24	3:00	69.8				
		Day Time L <sub>MAX</sub>	72.3			Night Time L <sub>MAX</sub>	68.9
		Day Time L <sub>MIN</sub>	61.8			Night Time L <sub>MIN</sub>	62.1
Average Day Time Leq dB (A)			67.1	Average Night Time Leq dB (A)			66.1

**Note -** Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

**Remark -** The Above Results Found Satisfactory as per CPCB Guideline.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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\*\*\*\*END OF REPORT\*\*\*\*

## Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:02:07862      Report Issue Date : 27-Feb-24  
 ULR-TC682024000013921F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 22-Feb-24 To 23-Feb-24  
 Sampling Location : Near NPK Gate      Date of Receipt : 23-Feb-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	22-Feb-24	12:25	58.6	23-Feb-24	1:25	69.6
2	22-Feb-24	13:25	65.4	23-Feb-24	2:25	68.7
3	22-Feb-24	14:25	66.8	23-Feb-24	3:25	64.5
4	22-Feb-24	15:25	62.3	23-Feb-24	4:25	65.6
5	22-Feb-24	16:25	65.3	23-Feb-24	5:25	66.4
6	22-Feb-24	17:25	64.5	23-Feb-24	6:25	66.5
7	22-Feb-24	18:25	66.9	23-Feb-24	7:25	63.4
8	22-Feb-24	19:25	67.3	23-Feb-24	8:25	65.3
9	22-Feb-24	20:25	68.4	23-Feb-24	9:25	63.7
10	22-Feb-24	21:25	69.5	23-Feb-24	10:25	68.9
11	22-Feb-24	22:25	72.6	23-Feb-24	11:25	69.7
12	22-Feb-24	23:25	65.4			
13	23-Feb-24	0:25	66.9			
			Day Time L <sub>MAX</sub>			Night Time L <sub>MAX</sub>
			69.7			72.8
			Day Time L <sub>MIN</sub>			Night Time L <sub>MIN</sub>
			58.6			64.5
Average Day Time Leq dB (A)			65.7	Average Night Time Leq dB (A)		67.4

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guideline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N:24:03:04580      Report Issue Date : 18-Mar-24  
 ULR - TC682024000019832F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 12-Mar-24 To 13-Mar-24  
 Sampling Location : Near Main Gate      Date of Receipt : 13-Mar-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	12-Mar-24	11:40	61.2	13-Mar-24	0:40	59.7
2	12-Mar-24	12:40	63.1	13-Mar-24	1:40	62.2
3	12-Mar-24	13:40	65.2	13-Mar-24	2:40	62.5
4	12-Mar-24	14:40	66.7	13-Mar-24	3:40	63.1
5	12-Mar-24	15:40	64.8	13-Mar-24	4:40	63.2
6	12-Mar-24	16:40	68.2	13-Mar-24	5:40	63.5
7	12-Mar-24	17:40	67.8	13-Mar-24	6:40	63.5
8	12-Mar-24	18:40	68.9	13-Mar-24	7:40	63.6
9	12-Mar-24	19:40	64.5	13-Mar-24	8:40	64.4
10	12-Mar-24	20:40	63.8	13-Mar-24	9:40	63.7
11	12-Mar-24	21:40	60.9	13-Mar-24	10:40	63.5
12	12-Mar-24	22:40	62.8			
13	12-Mar-24	23:40	63.2			
		Day Time L <sub>MAX</sub>	68.9		Night Time L <sub>MAX</sub>	63.6
		Day Time L <sub>MIN</sub>	60.9		Night Time L <sub>MIN</sub>	59.7
Average Day Time Leq dB (A)			64.8	Average Night Time Leq dB (A)		62.7

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM )*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



**Note :**

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:03:04578 Report Issue Date : 18-Mar-24  
 ULR - TC682024000019830F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 12-Mar-24 To 13-Mar-24  
 Sampling Location : Near AN / ANP Gate Area Date of Receipt : 13-Mar-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	12-Mar-24	13:05	73.2	13-Mar-24	2:05	59.4	
2	12-Mar-24	14:05	71.8	13-Mar-24	3:05	56.3	
3	12-Mar-24	15:05	72.8	13-Mar-24	4:05	60.1	
4	12-Mar-24	16:05	68.3	13-Mar-24	5:05	61.2	
5	12-Mar-24	17:05	69.5	13-Mar-24	6:05	63.4	
6	12-Mar-24	18:05	71.7	13-Mar-24	7:05	61.7	
7	12-Mar-24	19:05	65.3	13-Mar-24	8:05	66.7	
8	12-Mar-24	20:05	67.4	13-Mar-24	9:05	60.5	
9	12-Mar-24	21:05	63.9	13-Mar-24	10:05	65.4	
10	12-Mar-24	22:05	69.1	13-Mar-24	11:05	70.3	
11	12-Mar-24	23:05	70.7	13-Mar-24	12:05	68.4	
12	13-Mar-24	0:05	63.5				
13	13-Mar-24	1:05	61.7				
		Day Time L <sub>MAX</sub>	73.2			Night Time L <sub>MAX</sub>	70.7
		Day Time L <sub>MIN</sub>	60.5			Night Time L <sub>MIN</sub>	59.4
Average Day Time Leq dB (A)			68.2	Average Night Time Leq dB (A)			62.7

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guideline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX.001.LAB.N.24.03.04655      Report Issue Date : 18-Mar-24  
 ULR - TC682024000019911F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 13-Mar-24 To 14-Mar-24  
 Sampling Location : Near CAN-3CT Area      Date of Receipt : 14-Mar-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	13-Mar-24	13:30	70.9	14-Mar-24	2:30	61.2
2	13-Mar-24	14:30	74.2	14-Mar-24	3:30	63.6
3	13-Mar-24	15:30	73.8	14-Mar-24	4:30	67.6
4	13-Mar-24	16:30	76.5	14-Mar-24	5:30	68.9
5	13-Mar-24	17:30	75.4	14-Mar-24	6:30	65.4
6	13-Mar-24	18:30	71.6	14-Mar-24	7:30	63.1
7	13-Mar-24	19:30	69.8	14-Mar-24	8:30	66.6
8	13-Mar-24	20:30	66.3	14-Mar-24	9:30	68.4
9	13-Mar-24	21:30	70.1	14-Mar-24	10:30	69.9
10	13-Mar-24	22:30	63.2	14-Mar-24	11:30	70.2
11	13-Mar-24	23:30	65.4	14-Mar-24	12:30	63.1
12	14-Mar-24	0:30	60.2			
13	14-Mar-24	1:30	59.8			
		Day Time L <sub>MAX</sub>	76.5		Night Time L <sub>MAX</sub>	68.9
		Day Time L <sub>MIN</sub>	63.1		Night Time L <sub>MIN</sub>	59.8
Average Day Time Leq dB (A)			70.5	Average Night Time Leq dB (A)		63.8

**Note -** Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM ).

**Remark -** The Above Results Found Satisfactory as per CPCB Guidline.

  
 Assistapt Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

### Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N:24:03:04654 Report Issue Date : 18-Mar-24  
 ULR - TC682024000019910F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 13-Mar-24 To 14-Mar-24  
 Sampling Location : Near ETP / RO Area Date of Receipt : 14-Mar-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	13-Mar-24	13:25	66.9	14-Mar-24	2:25	56.4	
2	13-Mar-24	14:25	65.8	14-Mar-24	3:25	55.3	
3	13-Mar-24	15:25	67.2	14-Mar-24	4:25	54.1	
4	13-Mar-24	16:25	60.5	14-Mar-24	5:25	57.8	
5	13-Mar-24	17:25	67.3	14-Mar-24	6:25	53.1	
6	13-Mar-24	18:25	65.2	14-Mar-24	7:25	52.3	
7	13-Mar-24	19:25	64.7	14-Mar-24	8:25	58.8	
8	13-Mar-24	20:25	63.8	14-Mar-24	9:25	60.3	
9	13-Mar-24	21:25	66.3	14-Mar-24	10:25	65.9	
10	13-Mar-24	22:25	61.9	14-Mar-24	11:25	62.1	
11	13-Mar-24	23:25	62.4	14-Mar-24	12:25	66.8	
12	14-Mar-24	0:25	58.9				
13	14-Mar-24	1:25	57.3				
		Day Time L <sub>MAX</sub>	67.3			Night Time L <sub>MAX</sub>	62.4
		Day Time L <sub>MIN</sub>	58.8			Night Time L <sub>MIN</sub>	52.3
Average Day Time Leq dB (A)			64.4	Average Night Time Leq dB (A)			57.0

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

Your Testing and Auditing Partner

## EQUINOX TEST REPORT

Reference Number : EQNX.001.LAB:N.24:03:06500      Report Issue Date : 22-Mar-24  
 ULR - TC682024000021611F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 15-Mar-24 To 16-Mar-24  
 Sampling Location : Near Ammonia Gate Area      Date of Receipt : 16-Mar-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	15-Mar-24	14:20	62.3	16-Mar-24	3:20	61.2
2	15-Mar-24	15:20	64.2	16-Mar-24	4:20	63.1
3	15-Mar-24	16:20	63.6	16-Mar-24	5:20	64.6
4	15-Mar-24	17:20	64.8	16-Mar-24	6:20	66.1
5	15-Mar-24	18:20	65.1	16-Mar-24	7:20	60.3
6	15-Mar-24	19:20	65.4	16-Mar-24	8:20	61.9
7	15-Mar-24	20:20	66.3	16-Mar-24	9:20	62.3
8	15-Mar-24	21:20	63.4	16-Mar-24	10:20	63.8
9	15-Mar-24	22:20	65.1	16-Mar-24	11:20	64.5
10	15-Mar-24	23:20	62.9	16-Mar-24	12:20	66.1
11	16-Mar-24	0:20	67.3	16-Mar-24	13:20	63.1
12	16-Mar-24	1:20	65.6			
13	16-Mar-24	2:20	64.6			
		Day Time L <sub>MAX</sub>	66.3		Night Time L <sub>MAX</sub>	67.3
		Day Time L <sub>MIN</sub>	60.3		Night Time L <sub>MIN</sub>	61.2
Average Day Time Leq dB (A)			63.9	Average Night Time Leq dB (A)		64.3

**Note -** Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

**Remark -** The Above Results Found Satisfactory as per CPCB Guidline.

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



**Note :**

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:03:06499      Report Issue Date : 22-Mar-24  
 ULR - TC682024D00021600F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 15-Mar-24 To 16-Mar-24  
 Samling Location : Near NPK Bagging South Side Area      Date of Receipt : 16-Mar-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	15-Mar-24	14:15	62.1	16-Mar-24	3:15	61.3	
2	15-Mar-24	15:15	65.9	16-Mar-24	4:15	64.1	
3	15-Mar-24	16:15	66.3	16-Mar-24	5:15	62.4	
4	15-Mar-24	17:15	63.4	16-Mar-24	6:15	65.3	
5	15-Mar-24	18:15	62.3	16-Mar-24	7:15	64.8	
6	15-Mar-24	19:15	64.8	16-Mar-24	8:15	65.1	
7	15-Mar-24	20:15	68.1	16-Mar-24	9:15	62.3	
8	15-Mar-24	21:15	67.3	16-Mar-24	10:15	61.9	
9	15-Mar-24	22:15	66.4	16-Mar-24	11:15	66.5	
10	15-Mar-24	23:15	62.3	16-Mar-24	12:15	60.3	
11	16-Mar-24	0:15	65.4	16-Mar-24	13:15	61.9	
12	16-Mar-24	1:15	62.3				
13	16-Mar-24	2:15	67.1				
		Day Time L <sub>MAX</sub>	88.1			Night Time L <sub>MAX</sub>	66.4
		Day Time L <sub>MIN</sub>	60.3			Night Time L <sub>MIN</sub>	61.3
Average Day Time Leq dB (A)			64.2	Average Night Time Leq dB (A)			63.9

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



**Note :**

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX-001:LAB-N.24.03.05531 Report Issue Date : 20-Mar-24  
 ULR - TC682024000020753F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 14-Mar-24 To 15-Mar-24  
 Sampling Location : CFB CT Area Date of Receipt : 15-Mar-24  
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	14-Mar-24	14:45	67.6	15-Mar-24	3:45	50.1	
2	14-Mar-24	15:45	68	15-Mar-24	4:45	51.6	
3	14-Mar-24	16:45	66.6	15-Mar-24	5:45	50.8	
4	14-Mar-24	17:45	67.1	15-Mar-24	6:45	55.1	
5	14-Mar-24	18:45	58.5	15-Mar-24	7:45	60.3	
6	14-Mar-24	19:45	56.7	15-Mar-24	8:45	65.4	
7	14-Mar-24	20:45	56.2	15-Mar-24	9:45	67.2	
8	14-Mar-24	21:45	57.1	15-Mar-24	10:45	65.5	
9	14-Mar-24	22:45	55.2	15-Mar-24	11:45	66.1	
10	14-Mar-24	23:45	55.1	15-Mar-24	12:45	66.9	
11	15-Mar-24	0:45	56.7	15-Mar-24	13:45	60.5	
12	15-Mar-24	1:45	57.9				
13	15-Mar-24	2:45	58.6				
		Day Time L <sub>MAX</sub>	68.0			Night Time L <sub>MAX</sub>	58.6
		Day Time L <sub>MIN</sub>	55.1			Night Time L <sub>MIN</sub>	50.1
Average Day Time Leq dB (A)			62.8	Average Night Time Leq dB (A)			54.5

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



Note :

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4. The samples has been provided by the customer and results applied to the sample as received by the lab
5. The information provided by customer can affect the validity of results

\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX-0011.LAB.N:24.03:05530      Report Issue Date : 20-Mar-24  
 ULR - TC682024000020752F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 14-Mar-24 To 15-Mar-24  
 Sampling Location : Near NPK Gate      Date of Receipt : 15-Mar-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	14-Mar-24	14:30	60.1	15-Mar-24	3:30	57.9	
2	14-Mar-24	15:30	62.2	15-Mar-24	4:30	58.2	
3	14-Mar-24	16:30	59.8	15-Mar-24	5:30	60.6	
4	14-Mar-24	17:30	61.4	15-Mar-24	6:30	56.5	
5	14-Mar-24	18:30	63.2	15-Mar-24	7:30	59.3	
6	14-Mar-24	19:30	65.6	15-Mar-24	8:30	57.9	
7	14-Mar-24	20:30	53.5	15-Mar-24	9:30	58.5	
8	14-Mar-24	21:30	53	15-Mar-24	10:30	60.8	
9	14-Mar-24	22:30	57	15-Mar-24	11:30	57.1	
10	14-Mar-24	23:30	60.1	15-Mar-24	12:30	61.7	
11	15-Mar-24	0:30	59.1	15-Mar-24	13:30	61.6	
12	15-Mar-24	1:30	58.1				
13	15-Mar-24	2:30	57.6				
		Day Time L <sub>MAX</sub>	65.6			Night Time L <sub>MAX</sub>	60.6
		Day Time L <sub>MIN</sub>	53			Night Time L <sub>MIN</sub>	57
Average Day Time Leq dB (A)			59.5	Average Night Time Leq dB (A)			58.6

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM ).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



**Note :**

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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**



## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:03:05531      Report Issue Date : 20-Mar-24  
 ULR - TC682024000020753F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smartchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Talaja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 14-Mar-24 To 15-Mar-24  
 Sampling Location : CFB CT Area      Date of Receipt : 15-Mar-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	14-Mar-24	14:45	67.6	15-Mar-24	3:45	50.1
2	14-Mar-24	15:45	68	15-Mar-24	4:45	51.6
3	14-Mar-24	16:45	66.6	15-Mar-24	5:45	50.8
4	14-Mar-24	17:45	67.1	15-Mar-24	6:45	55.1
5	14-Mar-24	18:45	58.5	15-Mar-24	7:45	60.3
6	14-Mar-24	19:45	56.7	15-Mar-24	8:45	65.4
7	14-Mar-24	20:45	56.2	15-Mar-24	9:45	67.2
8	14-Mar-24	21:45	57.1	15-Mar-24	10:45	65.5
9	14-Mar-24	22:45	55.2	15-Mar-24	11:45	66.1
10	14-Mar-24	23:45	55.1	15-Mar-24	12:45	66.9
11	15-Mar-24	0:45	56.7	15-Mar-24	13:45	60.5
12	15-Mar-24	1:45	57.9			
13	15-Mar-24	2:45	58.6			
			Day Time L <sub>MAX</sub>	68.0		
			Day Time L <sub>MIN</sub>	55.1		
					Night Time L <sub>MAX</sub>	58.6
					Night Time L <sub>MIN</sub>	50.1
			Average Day Time Leq dB (A)		62.8	
			Average Night Time Leq dB (A)		54.5	

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM ).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



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\*\*\*\*END OF REPORT\*\*\*\*

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB.N:24:03:05530      Report Issue Date : 20-Mar-24  
 ULR - TC682024000020752F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : M/s Smarchem Technologies Limited  
 Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad.  
 Contact Person : Madan Popeta

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-20-00      Date of Sampling : 14-Mar-24 To 15-Mar-24  
 Sampling Location : Near NPK Gate      Date of Receipt : 15-Mar-24  
 Sample Description : Ambient Noise Measurement      Sampling Duration : 24 Hrs  
 Lateral Distance : 1.5 Meter from Ground Level

**RESULTS OF ANALYSIS**

**Discipline : Chemical**

**Group : Atmospheric Pollution**

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	14-Mar-24	14:30	60.1	15-Mar-24	3:30	57.9	
2	14-Mar-24	15:30	62.2	15-Mar-24	4:30	58.2	
3	14-Mar-24	16:30	59.8	15-Mar-24	5:30	60.6	
4	14-Mar-24	17:30	61.4	15-Mar-24	6:30	56.5	
5	14-Mar-24	18:30	63.2	15-Mar-24	7:30	59.3	
6	14-Mar-24	19:30	65.6	15-Mar-24	8:30	57.9	
7	14-Mar-24	20:30	53.5	15-Mar-24	9:30	58.5	
8	14-Mar-24	21:30	53	15-Mar-24	10:30	60.8	
9	14-Mar-24	22:30	57	15-Mar-24	11:30	57.1	
10	14-Mar-24	23:30	60.1	15-Mar-24	12:30	61.7	
11	15-Mar-24	0:30	59.1	15-Mar-24	13:30	61.6	
12	15-Mar-24	1:30	58.1				
13	15-Mar-24	2:30	57.6				
		Day Time L <sub>MAX</sub>	65.6			Night Time L <sub>MAX</sub>	60.6
		Day Time L <sub>MIN</sub>	53			Night Time L <sub>MIN</sub>	57
Average Day Time Leq dB (A)			59.5	Average Night Time Leq dB (A)			58.6

*Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM ).*

*Remark - The Above Results Found Satisfactory as per CPCB Guidline.*

  
 Assistant Manager - Air  
 (Authorised Signatory)  
 Mr. Atul Mandhare



TC-6820



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**Your Testing and Auditing Partner**



Environment Management Plan (EMP) Cost FY 2023-24		
S.N.	Particular	Cost (Rs.)
1	Environmental Monitoring (JVS sampling, Third party Moef&cc approved lab environment monitoring (stacks, ambient Air, water (every cooler), waste water, noise).	2,050,000
2	Maintanncce cost of Green Belt.	3,014,153
3	Chemical consumption cost for effluent treatment	1,500,000
4	OCEMS (Emission & Effluent) system upkeeping	600,000
5	Water conservation project through treatment process by ETP upgrdation	17,000,000
6	Plastic waste recycleing cost	15,000,000.00
		39,164,153








Online Monitoring Details (OCEMS) connected to MPCB & CPCB Portal

# EQMS System connectivity to CPCB & MPCB : ETP outlet

<b>Data Last Received On</b> 23, June, 2022	<b>Configuration Updated On</b>	<b>Calibration at</b>	<b>CEMS</b> 6	<b>EQMS</b> 2	<b>AAQMS</b> 3	<b>Total Stations</b> 11
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## Live Readings Help ?

Emission Effluent Ambient K1\_ETP ▾

 <b>18.2 mg/l</b> K1_ETP - Ammonical Nitrogen <b>15 MinsAvg: 19.63 mg/l</b> Limit: 0 - 50.0 mg/l Range: 0 - 150	 <b>27.34 mg/l</b> K1_ETP - BOD <b>15 MinsAvg: 32.19 mg/l</b> Limit: 0 - 100.0 mg/l Range: 0 - 300	 <b>55.72 mg/l</b> K1_ETP - COD <b>15 MinsAvg: 74.06 mg/l</b> Limit: 0 - 250.0 mg/l Range: 0 - 750
 <b>130.77 m3/hr</b> K1_ETP - Flow <b>15 MinsAvg: 128.16 m3/hr</b> Limit: 0 - 139.2 m3/hr Range: 0 - 418	 <b>0.07 mg/l</b> K1_ETP - Fluoride <b>15 MinsAvg: 0.07 mg/l</b> Limit: 0 - 10.0 mg/l Range: 0 - 30	 <b>20.66 mg/l</b> K1_ETP - TSS <b>15 MinsAvg: 25.81 mg/l</b> Limit: 0 - 100.0 mg/l Range: 0 - 300
 <b>7.45 pH</b> K1_ETP - pH <b>15 MinsAvg: 7.55 pH</b> Limit: 6.5 - 8.5 pH Range: 0 - 14		

# OCEOCEMS System connectivity :NPK Plant

Site Status List / Real Time Report / Trends

## Smartchem Technologies Limited Formerly known as Deepak Fertilizers And Petrochemicals

Taloja , Maharashtra R52 Fertilizer Refresh

Summary cards: Data Last Received On, Configuration Updated On, Calibration at, CEMS 6, EQMS 2, AAQMS 3, Total Stations 11

Live Readings Emission Effluent Ambient NPK1\_Stack Help

Live Readings for NPK1\_Stack: Ammonia (8.25 mg/Nm3), Hydrogen fluoride (1.07 mg/Nm3), PM (0.17 mg/Nm3). Includes 15 MinsAvg and Limit/Range information.

Live Readings Emission Effluent Ambient NPK2\_Stack Help

Live Readings for NPK2\_Stack: Ammonia (17.31 mg/Nm3), Hydrogen fluoride (0.74 mg/Nm3), PM (33.41 mg/Nm3). Includes 15 MinsAvg and Limit/Range information.

# ETP OCEMS





# Snap : EQMS Station at ETP:



Flow meter at ETP-1 at K-1

## 2. Continuous Ambient Air Quality Monitoring station (CAAQMS):



**Snap : CEMS Station at NPK Plant Stack Outlet:**



NPK-1&2 Stack at K-1



NPK-1&2 Stack at K-1



Snap : CEMS Station at NPK Plant Stack Analyzer:



NPK-1 Stack at K-1



NPK-2 Stack at K-1