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Date: 25.11.2021

RSPL/CCG/VKG/ENV-002/087/2021-22

To,  
Integrated Regional Office,  
Ministry of Environment, Forests and Climate Change,  
Room No. 407, Aranya Bhawan,  
Near CH-3 Circle, Sector 10A, Gandhinagar,  
Gujarat- 382010

**Sub.: Six-monthly Compliance Status Report of Soda Ash Plant located at village Kuranga, Taluka Dwarka, District Devbhumi Dwarka, Gujarat by RSPL Limited**

**Ref.:** Consolidated Environmental Clearance and CRZ Clearance granted vide MoEFCC letter F. No. J-11011/247/2012-IA II (I) dated 12.11.2015

Dear Sir,

With reference to above, we are hereby submitting six-monthly compliance status report for the period May, 2021 to October, 2021 (soft as well as hard copy).

Thanking You.

Yours faithfully,  
For **RSPL LIMITED**



**Mr. Bhola Kumar**  
Plant Head

Encl: as above

Copy to:

1. The Director (DoEF) & Member Secretary (GCZMA)  
Forests & Environment Department  
Block No. 14, 8<sup>th</sup> Floor, Sachivalay, Gandhinagar -382010, Gujarat
2. The Zonal Officer  
Central Pollution Control Board  
Parivesh Bhawan  
Opp. VMC Ward Office No. 10, Subhanpura  
Vadodara- 390 023, Gujarat
3. The Regional Officer  
Gujarat Pollution Control Board  
Jamnagar, Gujarat

**POINTWISE COMPLIANCE OF CONSOLIDATED ENVIRONMENTAL CLEARANCE AND CRZ CLEARANCE OF MOEFCC ISSUED VIDE LETTER NO. J-11011/247/2012-IA-II (I) DATED 12/11/2015 FOR PROPOSED SODA ASH PLANT (1500 TPD) AND CAPTIVE POWER PLANT (50 MW) AT VILLAGE KURANGA, TALUKA DWARKA, DISTRICT DEVBHUMI DWARKA, GUJARAT (For the period May, 2021 to October, 2021)**

<b>S. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
<b>A</b>	<b>SPECIFIC CONDITIONS</b>	
i)	The environmental clearance is subject to obtaining prior clearance from Wildlife angle including clearance from the Standing Committee of the National Board for Wildlife as applicable.	<p>Complied.</p> <p>Necessary prior clearance from Wildlife angle had been received from concerned authorities.</p> <p>Proposal for NBWL Clearance was considered by the National Board for Wildlife Committee in 35<sup>th</sup> meeting held on 18.08.2015 at New Delhi. Committee recommended the proposal for NBWL Clearance.</p> <p>In turn, Chief Wildlife Warden, Gandhinagar, Gujarat State vide letter dated 24.09.2015 issued necessary permission.</p> <p>Copies of the same were submitted in our earlier compliance report vide our letter RSPL/CCG/VKG/ENV-002/038/2016-17 dated 30.05.2016.</p>
ii)	Electrostatic Precipitator along with adequate stack height shall be provided to coal fired boiler to control particulate emissions. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	<p>Complied.</p> <p>Three boilers have been installed, all are operational and at a time, two boilers are being used. ESPs along with adequate stack height (122.0 m) have been provided for coal/lignite fired boiler to control particulate emissions and for dispersion of emissions. Individual ESP with each boiler has been provided.</p> <p>In case of failure, standby is available for operation.</p>

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		Monitoring Report of ESP has been attached herewith <b>Annexure-1</b>
iii)	As proposed, scrubbers shall be provided to the 5 nos. Lime Kilns. Scrubber shall be provided to ammonia recovery system and filtration/calcination section. The scrubbing media should be monitored regularly and maintained properly. At no time, the emission levels should go beyond the prescribed standards.	<p>Complied.</p> <p>Four kilns (350 TPD each) have been installed for production which have been provided with ESPs and Scrubbers as per design specifications. Sea-water scrubbers are used to clean and reduce the temperature of the emitted gases.</p> <p>As a part of Ammonia recovery system, the Tower Gas Scrubbers using brine as the scrubbing media located on the top of two stage Ammonia Gas Absorbers have been installed. Both Ammonia Gas Absorbers are operating. Further, chilled water consideration for absorption process has ensured good absorption efficiency.</p> <p>Two stage scrubbing of CO<sub>2</sub> gas and Filter Air Washer (scrubber) has been installed for Ammonia Absorption in Filtration/Calcination area and operating. Both Filter Air Washers (Scrubber) are operating.</p> <p>The functioning of scrubbing media is being monitored regularly and maintained properly.</p>

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iv)	Bag filter shall be provided to lime grinding system. All crushers and transfer points shall be provided with dust extraction system consist of hoods, bag house, ID fans and exhaust duct. Closed storage, covered belt conveyor, baghouse/bagfilter shall be provided at transfer points. All the pollution control devices suggested in the EIA/EMP shall be implemented.	<p>Complied.</p> <p>Bag filters as a part of Lime Grinding system as well as a common de-dusting (dust extraction system consisting of bag house, ID Fan, exhaust duct) has been provided for the Lime Grinding area.</p> <p>Adequate pollution control systems have been installed in the vulnerable areas like:</p> <p>RMHS area: All Dust Extraction systems have been installed and operating for Limestone, Salt, Coal &amp; Coke handling. Dust suppression system is also installed for coal/coke stock piles and coal truck tripler.</p>
v)	Ambient air quality data shall be collected as per NAAQES standards notified by the Ministry vide G.S.R. No. 826 (E) dated 16th September, 2009. The levels of PM10, PM2.5, SO2, NOx, VOC, CO and NH3 shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and GPCB.	<p>Complied.</p> <p>Ambient Air quality monitoring is being carried out on monthly basis. Monitoring is carried out at three locations i.e, One upwind and Two downwind direction.</p> <p>Detailed report of periodic Environmental Monitoring is attached herewith as <b>Annexure-1</b> and we are periodically submitting the reports to the regional office MoEFCC, Bhopal.</p> <p>Ambient Air monitoring data are being displayed on the display board near main gate of the company.</p>

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vi)	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records maintained. The emissions shall conform to the limits stipulated by the GPCB.	<p>For controlling the fugitive emission from various sources following measures have been implemented in our plant:</p> <ul style="list-style-type: none"> <li>• Closed storage facility has been provided for coal storage.</li> <li>• Closed Gantry/Hood covering has been considered for conveying systems.</li> <li>• Dust Extraction systems and Dust suppression system i.e. water sprinkling system have been provided to control fugitive emissions from all the vulnerable sources.</li> </ul> <p>Additionally, daily sprinkling of water on the approach roads is being done for dust suppression. All emissions are within limits as per the norms laid down by GPCB.</p>
vii)	Unit shall create covered coal storage along with facilities for garland drain around coal handling area which leads to a settling pit. Pucca road shall be created in and around coal storage area and parking area.	<p>Coal storage yard has been provided with a coal-shed facility of 420 m length and 120 m width keeping in view the future expansion also. Garland drain with settling pit has been provided.</p> <p>Pucca road has been constructed around coal storage area and parking area.</p>
viii)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall	DG sets of 2000 KVA and 1010 KVA have been provided for emergency use with adequate stack height of 30.0 m for dispersion of emissions. Acoustic enclosures are also provided to attenuate noise levels.

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	be provided to the DG sets to mitigate the noise pollution.	Monitoring reports of DG sets is attached in <b>Annexure 1</b> .
ix)	Total fresh water requirement from Arabian Sea shall not exceed 600 MLD and prior permission shall be obtained from the Competent Authority.	<p>Complied.</p> <p>Total water requirement from Arabian sea is 600 MLD and necessary following clearances/recommendations have been obtained.</p> <p>A. CRZ Clearance: MoEFCC, New Delhi has accorded consolidated EC-CRZ Clearance vide letter dated 12.11.2015 and</p> <p>B. Forests &amp; Environment Department (DoEF), Gandhinagar/ Gujarat Coastal Management Zone Authority, Gandhinagar has issued necessary recommendation vide letter dated 17.12.2014.</p> <p>Copies of the same were submitted in our earlier compliance report vide our letter RSPL/CCG/VKG/ENV-002/038/2016-17 dated 30.05.2016.</p> <p>Since there was a typographical mistake in EC issued regarding water requirement so request letter to MOEF for correction in total fresh water requirement was submitted immediately after receipt of EC. The actual requirement is 600 MLD and not 60 MLD.</p>

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x)	As proposed, process effluent should be treated in ETP. Treated effluent should be discharged into Arabian Sea at a designated point having diffuser system as recommended by NIO after conforming to the standards prescribed for the effluent discharge and obtaining permission from the GPCB. Domestic sewage should be treated in STP. Treated sewage shall be reused for horticulture purpose	<p>Complied.</p> <p>The return through cooling water is being mixed with Process effluent. To achieve the GPCB norms, effluent is being further treated &amp; diluted with fresh Seawater. Treated effluent is being disposed into the Arabian Sea at a designated point through multiport diffuser system as recommended by the NIO. Necessary permission, consent to discharge from GPCB (AWH-99205 dated 04.02.2019 and 09.10.2019) has been obtained.</p> <p>Sewage Treatment Plant of 200 KLD capacity has been installed and operating (CTO order no. AWH – 99205 dated 04.02.2019 and 09.10.2019). Treated sewage is being used for greenbelt development, gardening purpose etc.</p>
xi)	Treated effluent should be passed through guard pond. Online pH meter, flow meter and TOC analyzer should be installed.	<p>Treated/Diluted effluent is being passed through guard pond (chamber). Online pH meter, flow meter has been provided at effluent discharge header. Effluent Analyser for pH, Temp., TSS, Ammonical Nitrogen (Vendor: Endress &amp; Hauser) has been installed.</p> <p>Since the effluent is inorganic in nature, TOC analyzer is not installed. Letter in this regard had been submitted to MoEF.</p>
xii)	Automatic /online monitoring system (24 x 7 monitoring devices) for flow measurement and other relevant pollutants in the treatment system to be installed. The data to be made	Monitoring systems (online instrumentation) for flow measurement as well as relevant pollutants like SS, pH and Ammonical Nitrogen as well as outlet Temperature

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	available to the respective SPCB and in the Company's website.	<p>measurement (Vendor: Endress &amp; Hauser) has been provided and connected to GPCB server.</p> <p>In addition to this Monitoring systems (Online instruments) for air pollutants like SO<sub>x</sub>, NO<sub>x</sub> and PM (Vendor: Emerson Process) has been provided and connected to GPCB server.</p>
xiii)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid/hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.	<p>Complied.</p> <p>Prior Authorization from GPCB vide Consent Order No. 99205 dated 04.02.20219 for collection, storage and disposal of Hazardous waste has been obtained under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2016 and its subsequent amendments.</p> <p>Firefighting systems are in place to deal with fire accidental emergency situations.</p> <p>Since no spent resin has not generated and may generate once in 5 year so membership of TSDF will be taken prior to generation and disposal of spent resin.</p> <p>Dedicated hazardous waste storage has been provided for the generated hazardous waste at designated area as per guidelines of Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2016.</p>



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xiv)	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust should be avoided.	Fly ash is being collected in pneumatic silos and is being ensured that does not get air borne and not affect water regime during the rainy season by flowing along with storm water.
xv)	Proper utilization of fly ash shall be ensured as Fly Ash Notification, 1999 as amendment in 2003. Fly ash shall be provided to cement and brick manufacturers for further utilization.	Fly ash is being stored in pneumatic silos and then sent to nearby cement industry (M/s. Shree Digvijay Cement Company Limited, Jamnagar and M/s. Saurashtra Cement Limited, Porbandar) for its utilization. The excess fly ash was earlier also utilized for leveling and internal road development, Brick manufacturing agency (M/s. Tarun Enterprise) and Road construction agency (M/s. Jayshree Logistics) for its utilization.
xvi)	Unit shall create covered coal storage along with facilities for garland drain around coal handling area which leads to a settling pit. Pucca road shall be created in and around coal storage area and parking area.	Closed storage facility has been provided for coal storage. Pucca road has been constructed surrounding the coal area and parking area. Garland drain with settling pit has been provided.
xvii)	As proposed, Greenbelt area of 189 ha. shall be developed within plant premises with at least 10 m wide green belt on all sides along the periphery of the project area, in downwind direction and along road sides etc. Selection	Greenbelt is being developed in phase wise manner along the plant boundary, along the internal roads, near workshop area, ammonia storage area, near offices, sub-station 2, south side

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	of plant species shall be as per the CPCB guidelines in consultation with the DFO.	<p>of Utility, area between intake pump house and outfall discharge chambers etc</p> <p>Plantation has completed over an area of about 30 ha. plants have already been planted having different species such as Saru, Neem, Peltophorum, Paras Piplo, Gulmohar, Pongamia pinnata, Royal-palm, Nerium oleander, Cascabelathevetia, Threvetiya, Kasud, Bamboo, Australian Babool, Bougenvellia, Clerodendrum inerme, Conocarpus etc. Nursery has also been developed to accommodate about 50000 plants saplings.</p> <p>Since the construction work is over and the area occupied by the various agencies during construction phase has been cleared now and further planning of carrying out the plantation in the remaining area as proposed is in process. Greenbelt area will be developed as planned and proposed in the EC condition.</p> <p>Photographs of Greenbelt Development activities are attached herewith as <b>Annexure-2</b>.</p>
xviii)	As proposed, 2.5% (i.e. 43.70 Crores) of the total cost of the project shall be earmarked towards Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup to be submitted to MoEFCC, Bhopal. Implementation of such	<p>CSR activities have already been initiated in following sectors in the surrounding 12 villages:</p> <ul style="list-style-type: none"> <li>a) Education</li> <li>b) Sanitation</li> <li>c) Drinking water</li> <li>d) Health care</li> <li>e) Infrastructure Development</li> </ul>

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	program shall be ensured accordingly in a time bound manner.	Details of the CSR activities undertaken in neighboring villages with photographs are enclosed as <b>Annexure-3</b> .
xix)	All the commitments made to the public during public hearing/public consultation meeting held on 10th June shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Complied.
xx)	Provision shall be made for the housing for the construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on surrounding environment.	Plant is in operation phase.  Temporary labor camps/Construction wastes have already been removed after the completion of project work.  During construction phase necessary facilities like drinking water, housing, medical health care, STP were provided.
<b>B</b>	<b>SPECIFIC CONDITIONS RESPECT OF CRZ:</b>	
i)	Company shall explore possibility for enhance recycling of treated water.	Noted.

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ii)	The intake and outfall shall be through buried pipelines. The pipelines shall be buried two meter below the ground level/sea bed.	Both intake and outfall pipelines are buried below the ground level/seabed based on the hydraulic requirements. In shallow water, pipelines are protected with rock armor and rest of the pipelines are backfilled with dredged/excavated material.
iii)	The marine outfall shall be at 12 m below Chart Datum. The effluents shall be discharged through multiple ports at the outfall for proper thermal and salinity dispersion. The total effluent discharge to sea is approx. 6,00,000 KLD.	The treated effluent is being discharged at -12m CD water depth via buried pipeline in Arabian Sea through Multiport diffuser system as per recommendation of National Institute of Oceanography, Mumbai.
iv)	Installation of trash bar/screen shall be put in place at the intake well to avoid fish entrapment.	The Intake head consist of Intake screen, supported on the concrete structure buried in the seabed with scour protection to avoid fish entrapment.
v)	All the recommendations and conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) letter dated 07.12.2014 shall be complied with.	Compliance of the conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide letter dated 17.12.2014 is attached herewith as <b>Annexure-4</b> .
vi)	The outlet quality as well as the sea water near the outfall shall be monitored regularly especially for temperature and salinity. Necessary remediation measures shall be taken in case of significant impact of temperature and salinity. A report in this regard shall be submitted to Regional Office,	Outlet quality and seawater of outfall location is being monitored periodically by National Institute of Oceanography (NIO), Mumbai.

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	MoEF&CC along with six monthly monitoring reports.	
vii)	All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF&CC along with half yearly compliance report to RO-MoEF&CC.	Noted and agreed.
viii)	Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Laying of intake and outfall pipelines were carried out in CRZ area which is a permissible activity as per CRZ Notification.
ix)	The project shall be executed in such a manner that there shall not be any disturbance to the fishing activity. It shall be ensured that there is no displacement of people, houses or fishing activity as a result of the project.	Noted.  No fishermen community is residing near Kuranga seacoast, therefore, there is no displacement of fishermen is envisaged due to laying of pipelines for Seawater Intake and Outfall facilities. Pipelines have been laid underground to ensure unhindered passage to local fishing crafts.

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<b>C.</b>	<b>GENERAL CONDITIONS:</b>	
i)	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any other statutory authority.	We will adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any other statutory authority.
ii)	No further expansion or modification in the plant shall be carried out without prior approval of the MoEFCC. In case any deviations or alternations in the project proposal from the submitted to Ministry for clearance, a fresh reference shall be made to Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required if any.	Noted.
iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the Gujarat Pollution Control Board (GPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Ambient Air Quality Monitoring is being carried out at 3 locations (One in up-wind and two in down-wind directions).
iv)	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,	Complied.  While selecting equipments, the noise level factor has been carefully considered & every supplier has assured to take

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<b>S. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>															
	enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 viz. 75 dB(A) (day time) and 70 dB(A) (night time).	<p>necessary measures to control noise levels within the permissible limit. Ambient Noise Monitoring report is attached herewith as an <b>Annexure-1</b>.</p> <p>Green belt/green cover is being developed around the periphery of the plant boundary to control noise levels.</p>															
v)	The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	<p>Complied.</p> <p>The rain water harvesting is proposed for the roof top rain water as well as the surface run off within the plant area. The surface run off of the plant can be diverted through storm water drains into Reservoirs.</p> <p>Rainwater harvesting ponds (<b>~7.6 lac m<sup>3</sup></b>) have been constructed within the project site.</p> <table border="1"> <thead> <tr> <th><b>Sl. No.</b></th><th><b>Particulars</b></th><th><b>Volume (m<sup>3</sup>)</b></th></tr> </thead> <tbody> <tr> <td>01.</td><td>Reservoir-1</td><td>258207</td></tr> <tr> <td>02.</td><td>Reservoir-2</td><td>395854</td></tr> <tr> <td>03.</td><td>Reservoir-3</td><td>109760</td></tr> <tr> <td colspan="2"><b>Total</b></td><td><b>763823</b></td></tr> </tbody> </table> <p>Collected water is being utilized in plant related activities.</p> <p>Proper storm water drainage system is implemented to conserve water in rainwater collection ponds.</p>	<b>Sl. No.</b>	<b>Particulars</b>	<b>Volume (m<sup>3</sup>)</b>	01.	Reservoir-1	258207	02.	Reservoir-2	395854	03.	Reservoir-3	109760	<b>Total</b>		<b>763823</b>
<b>Sl. No.</b>	<b>Particulars</b>	<b>Volume (m<sup>3</sup>)</b>															
01.	Reservoir-1	258207															
02.	Reservoir-2	395854															
03.	Reservoir-3	109760															
<b>Total</b>		<b>763823</b>															

**POINTWISE COMPLIANCE OF CONSOLIDATED ENVIRONMENTAL CLEARANCE AND CRZ CLEARANCE OF MOEFCC ISSUED VIDE LETTER NO. J-11011/247/2012-IA-II (I) DATED 12/11/2015 FOR PROPOSED SODA ASH PLANT (1500 TPD) AND CAPTIVE POWER PLANT (50 MW) AT VILLAGE KURANGA, TALUKA DWARKA, DISTRICT DEVBHUMI DWARKA, GUJARAT (For the period May, 2021 to October, 2021)**

<b>S. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
vi)	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.	Adequate care is being taken to avoid mixing of accidental spillages with domestic wastewater and storm water drains. Proper garland drains have been provided around Plant process areas.
vii)	Usage of Personnel Protection Equipments by all employees/workers shall be ensured.	Usage of PPEs by employees / workers is being ensured.
viii)	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.	The periodic training related to safety aspects is being imparted to staff members and workers. Pre-employment medical check-up of all the employees is being carried out and records are maintained.
ix)	The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Provisions of Environmental Management Plan have already been taken care in design stage and have been implemented.



**POINTWISE COMPLIANCE OF CONSOLIDATED ENVIRONMENTAL CLEARANCE AND CRZ CLEARANCE OF MOEFCC ISSUED VIDE LETTER NO. J-11011/247/2012-IA-II (I) DATED 12/11/2015 FOR PROPOSED SODA ASH PLANT (1500 TPD) AND CAPTIVE POWER PLANT (50 MW) AT VILLAGE KURANGA, TALUKA DWARKA, DISTRICT DEVBHUMI DWARKA, GUJARAT (For the period May, 2021 to October, 2021)**

<b>S. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
x)	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	Social welfare/community development activities have already been initiated in the surrounding 12 villages. Please refer point xvii), xviii) of specific conditions and v) of general conditions for details. Details of the CSR activities are enclosed as <b>Annexure-3</b> .
xi)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Eco-development measures in project area such as adequate ground water recharge measures, greenbelt development activities etc. and community welfare activities as a part of CSR activities in surrounding 12 villages have been carried out.
xii)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environment Management and Monitoring functions.	A separate environment cell is established for environmental management and monitoring purpose.  Environmental laboratory is also functioning for monitoring and analysis purpose.
xiii)	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests 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.	A separate fund is being allocated during yearly budget for environment management and pollution control measures which is not diverted for other purpose.

**POINTWISE COMPLIANCE OF CONSOLIDATED ENVIRONMENTAL CLEARANCE AND CRZ CLEARANCE OF MOEFCC ISSUED VIDE LETTER NO. J-11011/247/2012-IA-II (I) DATED 12/11/2015 FOR PROPOSED SODA ASH PLANT (1500 TPD) AND CAPTIVE POWER PLANT (50 MW) AT VILLAGE KURANGA, TALUKA DWARKA, DISTRICT DEVBHUMI DWARKA, GUJARAT (For the period May, 2021 to October, 2021)**

<b>S. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
xiv)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions /representations, if any, were received while processing the proposal.	A copy of clearance letter had been submitted to concerned local authorities.
xv)	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, the respective Zonal Office of CPCB and the Gujarat Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	<p>The six monthly compliance reports have been submitted to the MoEFCC, RO- Bhopal, CPCB, Zonal Office-Vadodara and GPCB on following dates:</p> <ol style="list-style-type: none"> <li>1) RSPL/CCG/VKG/ENV-002/036/2021-22 dated 08.07.2021</li> <li>2) RSPL/CCG/VKG/ENV-002/104/2020-21 dated 30.11.2020</li> <li>3) RSPL/CCG/VKG/ENV-002/001/2020-21 dated 30.05.2020</li> <li>4) RSPL/CCG/VKG/ENV-002/013/2019-20 dated 19.11.2019</li> <li>5) RSPL/CCG/VKG/ENV-002/013/2019-20 dated 12.05.2019</li> <li>6) RSPL/CCG/VKG/ENV-002/116/2018-19 dated 12.12.2018</li> <li>7) RSPL/CCG/VKG/ENV-002/042/2018-19 dated 15.06.2018</li> <li>8) RSPL/CCG/VKG/ENV-002/095/2017-18 dated 04.12.2017</li> <li>9) RSPL/CCG/VKG/ENV-002/026/2017-18 dated 19.05.2017</li> <li>10) RSPL/CCG/VKG/ENV-002/228/2016-17 dated 14.12.2016</li> <li>11) RSPL/CCG/VKG/ENV-002/038/2016-17 dated 30.05.2016</li> </ol> <p>A copy of Environment Clearance and six monthly compliance status report uploaded on company's website.</p>

**POINTWISE COMPLIANCE OF CONSOLIDATED ENVIRONMENTAL CLEARANCE AND CRZ CLEARANCE OF MOEFCC ISSUED VIDE LETTER NO. J-11011/247/2012-IA-II (I) DATED 12/11/2015 FOR PROPOSED SODA ASH PLANT (1500 TPD) AND CAPTIVE POWER PLANT (50 MW) AT VILLAGE KURANGA, TALUKA DWARKA, DISTRICT DEVBHUMI DWARKA, GUJARAT (For the period May, 2021 to October, 2021)**

<b>S. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
xvi)	The Environmental Statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the GPCB, 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 Bhopal Regional offices of MoEF by e-mail.	Environmental Statement in Form - V has been submitted for the FY 2020-2021 to the GPCB on 30.06.2021 and same has also been uploaded on company's website.
xvii)	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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 Regional office of the Ministry.	Complied.  Public notice that the project has been accorded environmental clearance had already been published in the local newspapers dated 19.11.2015 i.e. one in Indian Express (English version) and another in Jay Hind (Gujarati Version). The copy of the same has been forwarded to The Addl. Director, MoEFCC (IA Division) & Regional Office, MoEFCC, Bhopal vide our letter No. RSPL/CCG/MNP/ENV-002/291/2015-16 dated 21.12.2015.
xviii)	The project authorities shall inform the Regional office as well as the Ministry, the date of financial closure and final approval of	Project has been commissioned in the Oct, 2018.

**POINTWISE COMPLIANCE OF CONSOLIDATED ENVIRONMENTAL CLEARANCE AND CRZ CLEARANCE OF MOEFCC ISSUED VIDE LETTER NO. J-11011/247/2012-IA-II (I) DATED 12/11/2015 FOR PROPOSED SODA ASH PLANT (1500 TPD) AND CAPTIVE POWER PLANT (50 MW) AT VILLAGE KURANGA, TALUKA DWARKA, DISTRICT DEVBHUMI DWARKA, GUJARAT (For the period May, 2021 to October, 2021)**

<b>S. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
	the project by the concerned authorities and the date of start of the project.	
7.0	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and agreed.
8.0	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.	Noted and agreed.  If any additional condition imposed by the ministry we will abide with the same.
9.0	The above conditions will be enforced inter-alia under the provisions of the Water (Prevention & Control pollution) Act, 1974, Air (Prevention & Control of Pollution) Act 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management, Handling and Trans-boundary Movement) Rules 2008 and the Public Liability Insurance Act 1991 along with their amendments and rules.	Necessary permission i.e. CTO (Consent Order No.AWH-99205 dated 04.02.2019 and 09.10.2019) under the Water (Prevention & Control pollution) Act, 1974, Air (Prevention & Control of Pollution) Act 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management, Handling and Trans-boundary Movement) Rules 2016 have been obtained.  PLI policy bearing policy number OG-21-1302-3304-00000001 having validity upto 08.08.2022 from Bajaj Allianz under the Public Liability Insurance Act, 1991 has also been obtained.



# KADAM ENVIRONMENTAL CONSULTANTS

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(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001

## ENVIRONMENTAL MONITORING REPORT

Annexure-1



### LABORATORY TEST REPORT – BOILER STACK

REPORT NO.: SEP21/136/01 (ULR- TC709921000017647F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471,Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village: Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.			
2.	Sample ID: 2147268246 – 136SE21SE01	3.	Client Representative : Mr. Pankaj Sharma	
4.	Sample Date: 21.09.2021	5.	Sampling Location: Boiler (Common Stack)	
6.	Sampling Time: 14:50 hr	7.	Sampling Duration: 40 Mins	
8.	Analysis commenced on: 04.10.2021	9.	Analysis Completed on: 04.10.2021	
10.	Reporting Date: 05.10.2021	11.	Discipline : Chemical	
12.	Sample Collected By: Mr. Axil Tandel	13.	Group : Atmospheric Pollution	
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission	
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Thimble:Packed✓	Bladder: Clamped
17.	Sample Received Date: 04.10.2021			

#### STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		Boiler (Common Stack)
2.	Height	m	122
3.	Diameter	m	6.33
4.	Temperature	°C	110
5.	Velocity	m/s	6.05

#### TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Particulate Matter	mg/Nm <sup>3</sup>	68	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO <sub>2</sub> )	ppm	85.22	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	7.13	50	IS 11255 (Part 7) : 2005

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

- NOTE:
- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
  - 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
  - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT – PROCESS STACK

REPORT NO.: SEP21/136/02 (ULR- TC709921000017648F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471,Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.			
2.	Sample ID: 2147268246 – 136SE21SE02	3.	Client Representative: Mr. Pankaj Sharma	
4.	Sample Date: 23.09.2021	5.	Sampling Location: Kiln (K-1)	
6.	Sampling Time: 14:47 hr	7.	Sampling Duration: 60 Mins	
8.	Analysis commenced on: 04.10.2021	9.	Analysis Completed on: 04.10.2021	
10.	Reporting Date: 04.10.2021	11.	Discipline : Chemical	
12.	Sample Collected By: Mr. Axil Tandel	13.	Group : Atmospheric Pollution	
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission	
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Thimble:Packed✓	Bladder: Clamped
17.	Sample Received Date: 04.10.2021			

#### STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Kiln (K – 1)
2.	Height	m	: 68
3.	Diameter	mm	: 900
4.	Temperature	°C	: 90
5.	Velocity	m/s	: 9.18

#### TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification / SPCB Norms / BIS Standards	Method Used
1.	Particulate Matter	mg/Nm <sup>3</sup>	: 42	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO <sub>2</sub> )	ppm	: N.D.	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NO <sub>x</sub> )	ppm	: 4.88	100	IS 11255 (Part 7) : 2005

Remark : N.D. – Not Detected.

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

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  - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





TC-7099

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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT – PROCESS STACK

REPORT NO.: SEP21/136/03 (ULR- TC709921000017649F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.		
2.	Sample ID: 2147268246 – 136SE21SE03	3.	Client Representative: Mr. Pankaj Sharma
4.	Sample Date: 23.09.2021	5.	Sampling Location: Kiln (K-4)
6.	Sampling Time: 13:30 hr	7.	Sampling Duration: 60 Mins
8.	Analysis commenced on: 04.10.2021	9.	Analysis Completed on: 04.10.2021
10.	Reporting Date: 04.10.2021	11.	Discipline : Chemical
12.	Sample Collected By: Mr. Axil Tandel	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Thimble: Packed ✓ Bladder: Clamped
17.	Sample Received Date: 04.10.2021		

#### STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Kiln (K –4)
2.	Height	m	: 68
3.	Diameter	mm	: 900
4.	Temperature	°C	: 95
5.	Velocity	m/s	: 9.55

#### TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Particulate Matter	mg/Nm <sup>3</sup>	: 46	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO <sub>2</sub> )	ppm	: N.D.	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NO <sub>x</sub> )	ppm	: 8.13	100	IS 11255 (Part 7) : 2005

Remark : N.D. – Not Detected

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

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3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT – PROCESS STACK

REPORT NO.: SEP21/136/04 (ULR- TC709921000017650F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.		
2.	Sample ID: 2147268246 – 136SE21SE04	3.	Client Representative: Mr. Pankaj Sharma
4.	Sample Date: 22.09.2021	5.	Sampling Location: Ammonia Recovery System (B)
6.	Sampling Time: 15:50 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 04.10.2021	9.	Analysis Completed on: 04.10.2021
10.	Reporting Date: 04.10.2021	11.	Discipline : Chemical
12.	Sample Collected By: Mr. Axil Tandel	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Thimble: Packed Bladder: Clamped
17.	Sample Received Date: 04.10.2021		

#### STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Ammonia Recovery (B)
2.	Height	m	: 42
3.	Diameter	mm	: 696
4.	Temperature	°C	: -
5.	Velocity	m/s	: -

#### TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification / SPCB Norms / BIS Standards	Method Used
1.	Ammonia (NH <sub>3</sub> )	mg /Nm <sup>3</sup>	: 42.84	175	IS 11255 (Part 6): 1999

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

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3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





TC-7099

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**ENVIRONMENTAL MONITORING REPORT****LABORATORY TEST REPORT – PROCESS STACK**

REPORT NO.: SEP21/136/05 (ULR- TC709921000017651F)

**SAMPLE DETAILS**

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.		
2.	Sample ID: 2147268246 – 136SE21SE05	3.	Client Representative: Mr. Pankaj Sharma
4.	Sample Date: 22.09.2021	5.	Sampling Location: Filtration & Calcinations System (C – 2)
6.	Sampling Time: 16:25 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 04.10.2021	9.	Analysis Completed on: 04.10.2021
10.	Reporting Date: 04.10.2021	11.	Discipline : Chemical
12.	Sample Collected By: Mr. Axil Tandel	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Thimble: Packed      Bladder: Clamped
17.	Sample Received Date: 04.10.2021		

**STACK DETAILS**

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Filtration & Calcinations (C – 2)
2.	Height	m	: 37
3.	Diameter	mm	: 600
4.	Temperature	°C	: -
5.	Velocity	m/s	: -

**TEST RESULTS**

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Ammonia (NH <sub>3</sub> )	mg /Nm <sup>3</sup>	: 4.23	175	IS 11255 (Part 6): 1999

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

- NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.  
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 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

**TEST REPORT FORMAT - STACK**

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT – PROCESS STACK

REPORT NO.: SEP21/136/06 (ULR- TC709921000017652F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.		
2.	Sample ID: 2147268246 – 136SE21SE06	3.	Client Representative: Mr. Pankaj Sharma
4.	Sample Date: 22.09.2021	5.	Sampling Location: Filtration & Calcinations System (C – 3)
6.	Sampling Time: 14:50 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 04.10.2021	9.	Analysis Completed on: 04.10.2021
10.	Reporting Date: 04.10.2021	11.	Discipline : Chemical
12.	Sample Collected By: Mr. Axil Tandel	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Thimble: Packed Bladder: Clamped
17.	Sample Received Date: 04.10.2021		

#### STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Filtration & Calcinations (C – 3)
2.	Height	m	: 37
3.	Diameter	mm	: 600
4.	Temperature	°C	: -
5.	Velocity	m/s	: -

#### TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Ammonia (NH <sub>3</sub> )	mg /Nm <sup>3</sup>	: 9.31	175	IS 11255 (Part 6): 1999

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

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  - 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
  - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





(MoEF Approved)

Phone : (O) 0265 - 6131000, 6131001

## TC-7099

REPORT NO.: SEP21/136/08 (ULR- TC709921000017653F)

Name & Address of Client: M/s. RSPL Ltd.					
1. Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village: Kurunga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka - Pin: 361335.					
2. Sample ID: 2147268246 – 136SE21AQ01			3. Client Representative: Mr. Pankaj Sharma		
4. Sampling Date: 24.09.2021			5. Sampling Location: Near Old Admin Block		
6. Sampling time: 17:20 hr			7. Sampling Duration: 24 Hrs		
8. Analysis commenced on: 04.10.2021			9. Analysis Completed on: 04.10.2021		
10. Reporting Date: 05.10.2021			11. Discipline : Chemical		
12. Sample Collected By: Mr. Axil Tandel			13. Group : Atmospheric Pollution		
14. Sampling Procedure: IS Method			15. Product : Ambient Air		
16. Description of Sample:		Sampling Bottles: Sealed ✓		Filter Paper: Packed ✓	Bladder: Clamped ✓
17.	<b>Environment Condition:</b>	Temp: Normal	Humidity: Medium	Wind speed: Moderate	Cloud cover: Partly Cloudy
	Rain: No Rain	Wind Direction: Cross wind		Wind blowing from: WNW	Station category: Industrial
18. Sample Received Date: 04.10.2021					

<b>SR. NO</b>	<b>Parameters</b>	<b>Unit (SI)</b>	<b>Results</b>	<b>Specification/ SPCB Norms/ BIS Standards</b>	<b>Method Used</b>
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	: 53	100	IS 5182 (Part 23 ) : 2006
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	: 25	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	: 7.01	80	IS 5182 (Part 2 ) :2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	: 10.77	80	IS 5182 (Part 6 ) :2006
5.	Ammonia(NH <sub>3</sub> )	µg /m <sup>3</sup>	: N.D.	400	Guidelines By CPCB(Vol-1)
6.	Lead (pb)	µg /m <sup>3</sup>	: <1	1	USEPA(2000)-Method 29
7.	Arsenic	ng/m <sup>3</sup>	: <5	06	USEPA(2000)-Method 29
8.	Ozone	µg /m <sup>3</sup>	: N.D.	100	Guidelines By CPCB(Vol-1)
9.	Nickel	ng/m <sup>3</sup>	: <1	20	USEPA(2000)-Method 29
10.	Benzene	µg /m <sup>3</sup>	: N.D.	05	IS 5182(Part 11): 2006

Name : Sapana Amin

**Designation : Lab Incharge**

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.  
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.  
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT		
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



TC-7099

# KADAM ENVIRONMENTAL CONSULTANTS

An ISO 9001-2015 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001



## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP21/136/09 (ULR- TC709921000017654F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd.	3.	Client Representative: Mr. Pankaj Sharma
2.	Survey No 471, Near Marvelore Mining & Allied Industries Pvt. Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka - Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.	5.	Sampling Location: Towards Goji Nes Village side (Near salt storage yard)
4.	Sample ID: 2147268246 - 136SE21AQ02	7.	Sampling Duration: 24 Hrs
6.	Sampling Date: 21.09.2021	9.	Analysis Completed on: 04.10.2021
8.	Sampling time: 16:40 hr	11.	Discipline : Chemical
10.	Analysis commenced on: 04.10.2021	13.	Group : Atmospheric Pollution
12.	Reporting Date: 05.10.2021	15.	Product: Ambient Air
14.	Sample Collected By: Mr. Axil Tandel		
16.	Sampling Procedure: IS Method		
17.	Description of Sample: Sampling Bottles: Sealed ✓	Filter Paper: Packed ✓	Bladder: Clamped ✓
18.	Environment Condition: Temp: Normal Humidity: Moderate	Wind speed: Smooth	Cloud cover: Clear sky
	Rain: No Rain	Wind Direction: Down wind	Wind blowing from: WNW
			Station category: Industrial
	Sample Received Date: 04.10.2021		

#### TEST RESULTS

SR. NO	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	: 56	100	IS 5182 (Part 23) : 2006
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	: 21	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	: 6.17	80	IS 5182 (Part 2) : 2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	: 10.11	80	IS 5182 (Part 6) : 2006
5.	Ammonia(NH <sub>3</sub> )	µg /m <sup>3</sup>	: N.D.	400	Guidelines By CPCB(Vol-1)
6.	Lead (pb)	µg /m <sup>3</sup>	: <1	1	USEPA(2000)-Method 29
7.	Arsenic	ng/m <sup>3</sup>	: <5	06	USEPA(2000)-Method 29
8.	Ozone	µg /m <sup>3</sup>	: N.D.	100	Guidelines By CPCB(Vol-1)
9.	Nickel	ng/m <sup>3</sup>	: <1	20	USEPA(2000)-Method 29
10.	Benzene	µg /m <sup>3</sup>	: N.D.	05	IS 5182(Part 11): 2006

Remark : N.D. : - Not Detected

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

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-----END OF REPORT-----

#### TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





TC-7099

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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP21/136/10 (ULR- TC709921000017655F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd.	3.	Client Representative: Mr. Pankaj Sharma
2.	Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.	4.	Sampling Location: Time Office
3.	Sample ID: 2147268246 – 136SE21AQ03	5.	Sampling Duration: 24 Hrs
4.	Sampling Date: 22.09.2021	6.	Analysis Completed on: 04.10.2021
5.	Sampling time: 17:10 hr	7.	Discipline : Chemical
6.	Analysis commenced on: 04.10.2021	8.	Group : Atmospheric Pollution
7.	Reporting Date: 05.10.2021	9.	Product: Ambient Air
8.	Sample Collected By: Mr. Axil Tandel	10.	Filter Paper: Packed ✓ Bladder: Clamped ✓
9.	Sampling Procedure: IS Method	11.	Temp: Normal Humidity: Medium
10.	Description of Sample:	12.	Wind speed: Moderate Cloud cover: Clear sky
11.	Environment Condition:	13.	Wind Direction: Up wind
12.	Rain: No Rain	14.	Wind blowing from: WNW
13.	Station category: Industrial	15.	
14.	Sample Received Date: 04.10.2021	16.	

#### TEST RESULTS

SR. NO	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	43	100	IS 5182 (Part 23) : 2006
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	21	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.50	80	IS 5182 (Part 2) : 2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	11.26	80	IS 5182 (Part 6) : 2006
5.	Ammonia(NH <sub>3</sub> )	µg /m <sup>3</sup>	N.D.	400	Guidelines By CPCB(Vol-1)
6.	Lead (pb)	µg /m <sup>3</sup>	<1	1	USEPA(2000)-Method 29
7.	Arsenic	ng/m <sup>3</sup>	<5	06	USEPA(2000)-Method 29
8.	Ozone	µg /m <sup>3</sup>	N.D.	100	Guidelines By CPCB(Vol-1)
9.	Nickel	ng/m <sup>3</sup>	<1	20	USEPA(2000)-Method 29
10.	Benzene	µg /m <sup>3</sup>	N.D.	05	IS 5182(Part 11): 2006

Remark : N.D. : - Not Detected

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

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-----END OF REPORT-----

#### TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP21/136/12

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka - Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.			
2.	Sample ID: 2147268246 - 136SE21AQ01	3.	Client Representative: Mr. Pankaj Sharma	
4.	Sampling Date: 24.09.2021	5.	Sampling Location: Near Old Admin Block	
6.	Sampling time: 17:20 hr	7.	Sampling Duration: 24 Hrs	
8.	Analysis commenced on: 04.10.2021	9.	Analysis Completed on: 04.10.2021	
10.	Reporting Date: 05.10.2021	11.	Discipline : Chemical	
12.	Sample Collected By: Mr. Axil Tandel	13.	Group : Atmospheric Pollution	
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air	
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Filter Paper: Packed ✓	Bladder: Clamped ✓
17.	Environment Condition:	Temp: Normal	Humidity: Medium	Wind speed: Moderate
	Rain: No Rain	Wind Direction: Cross wind	Wind blowing from: WNW	Cloud cover: Partly Cloudy
18.	Sample Received Date: 04.10.2021			
	Station category: Industrial			

#### TEST RESULTS

SR. NO	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	CO	mg/m <sup>3</sup>	: 0.830	02	IS 5182(Part 10): 1999
2.	Benzo (a) Pyrene	ng/m <sup>3</sup>	: N.D.	01	IS 5182 (Part 12): 2004

Remark : N.D. : - Not Detected

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

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  - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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## ENVIRONMENTAL MONITORING REPORT



### LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP21/136/13

#### SAMPLE DETAILS

Name & Address of Client: M/s. RSPL Ltd.			
1.	Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.		
2.	Sample ID: 2147268246 – 136SE21AQ02	3.	Client Representative: Mr. Pankaj Sharma
4.	Sampling Date: 21.09.2021	5.	Sampling Location: Towards Goji Nes Village side (Near salt storage yard)
6.	Sampling time: 16:40 hr	7.	Sampling Duration: 24 Hrs
8.	Analysis commenced on: 04.10.2021	9.	Analysis Completed on: 04.10.2021
10.	Reporting Date: 05.10.2021	11.	Discipline : Chemical
12.	Sample Collected By: Mr. Axil Tandel	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Filter Paper: Packed ✓ Bladder: Clamped ✓
17.	Environment Condition:	Temp: Normal Humidity: Moderate	Wind speed: Smooth Cloud cover: Clear sky
	Rain: No Rain	Wind Direction: Down wind	Wind blowing from: WNW Station category: Industrial
18.	Sample Received Date: 04.10.2021		

#### TEST RESULTS

SR. NO	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	CO	mg/m <sup>3</sup>	1.068	02	IS 5182(Part 10): 1999
2.	Benzo (a) Pyrene	ng/m <sup>3</sup>	N.D.	01	IS 5182 (Part 12): 2004

Remark : N.D. - Not Detected.

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

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  - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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Phone : (O) 0265 - 6131000, 6131001



## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP21/136/14

#### SAMPLE DETAILS

Name & Address of Client: M/s. RSPL Ltd.			
1.	Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.		
2.	Sample ID: 2147268246 – 136SE21AQ03	3.	Client Representative: Mr. Pankaj Sharma
4.	Sampling Date: 22.09.2021	5.	Sampling Location: Time Office
6.	Sampling time: 17:10 hr	7.	Sampling Duration: 24 Hrs
8.	Analysis commenced on: 04.10.2021	9.	Analysis Completed on: 04.10.2021
10.	Reporting Date: 05.10.2021	11.	Discipline : Chemical
12.	Sample Collected By: Mr. Axil Tandel	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Filter Paper: Packed ✓ Bladder: Clamped ✓
17.	Environment Condition:	Temp: Normal Humidity: Medium	Wind speed: Moderate Cloud cover: Clear sky
	Rain: No Rain	Wind Direction: Up wind	Wind blowing from: WNW Station category: Industrial
18.	Sample Received Date: 04.10.2021		

#### TEST RESULTS

SR. NO	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	CO	mg/m <sup>3</sup>	0.850	02	IS 5182(Part 10): 1999
2.	Benzo (a) Pyrene	ng/m <sup>3</sup>	N.D.	01	IS 5182 (Part 12): 2004

Remark : N.D. : - Not Detected

Authorized By

Name : Sapana Amin

Designation : Lab Incharge

- NOTE :
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  - 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
  - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT – OUTFALL EFFLUENT SAMPLE

REPORT NO.: SEP21/136/16 (ULR- TC709921000017657F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.		
2.	Sample ID: 2147268246 – 136SE21EF01	3.	Client Representative : Mr. Pankaj Sharma
4.	Sample Date: 25.09.2021	5.	Sample Collected By: Mr. Axil Tandel
6.	Analysis commenced on: 28.09.2021	7.	Analysis Completed on: 01.10.2021
8.	Reporting Date: 05.10.2021	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed ✓	11.	Group: Pollution and Environment
12.	Sampling Location: Outfall Discharge Chamber	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 28.09.2021

#### TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH		8.39	6.5 - 9.0	APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
2.	Temperature	°C	29.6	Not Exceeding 5°C above the ambient temperature of the receiving body	APHA 23 <sup>rd</sup> Edition 2550- B
3.	Colour	Pt-CO	10	100	APHA 23 <sup>rd</sup> Edition 2120 B
4.	Suspended Solids	mg/L	778	1000	APHA 23 <sup>rd</sup> Edition 2540 D
5.	Oil & Grease	mg/L	N.D.	5	APHA 23 <sup>rd</sup> Edition 5520 B
6.	Ammonical Nitrogen	mg/L	2.64	50	IS 3025 (PP 34): 1988
7.	Bio - Assay Test		Pass	100% survival of the fishes at zero dilution	IS 6582 (Part-2): 2001

Remark : N.D. – Not Detected

Authorised By -

Name : Sapana Amin

Designation : Lab Incharge

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  - 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
  - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - EFFLUENT

DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



TC-7099

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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT – STP EFFLUENT SAMPLE

REPORT NO.: SEP21/136/17 (ULR- TC709921000017658F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd., Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.	3.	Client Representative : Mr. Pankaj Sharma
2.	Sample ID: 2147268246 – 136SE21EF02	4.	Sample Collected By: Mr. Axil Tandel
4.	Sample Date: 25.09.2021	5.	Sample Collected By: Mr. Axil Tandel
6.	Analysis commenced on: 28.09.2021	7.	Analysis Completed on: 01.10.2021
8.	Reporting Date: 05.10.2021	9.	Discipline : Chemical
10.	Packing Condition & Quantity: Sealed ✓	11.	Group : Pollution and Environment
12.	Sampling Location: STP Outlet (Near Ammonia Storage)	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 28.09.2021

#### TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH	:	7.18	6.5 – 9.0	APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
2.	Suspended Solids	mg/L	30	<100	APHA 23 <sup>rd</sup> Edition 2540 D
3.	BOD (3 days at 27 °C)	mg/L	8	<30	IS 3025 (Part 44) : 1993

Remark :

Authorised By -

Name : Sapana Amin

Designation : Lab Incharge

- NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.  
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3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - EFFLUENT

DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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TC-7099

## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - NOISE

REPORT NO.: SEP21/136/30 (ULR- TC709921000017667F)

#### SAMPLE DETAILS

1	Name & Address of Client: M/s. RSPL Ltd., Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka - Dwarka Dist.: Dev Bhumi Dwarka Pin : 361335.		
2	Sample ID: 2147268246 - 136SE21N001	3	Client Representative: Mr. Pankaj Sharma
4	Sample Date: 23.09.2021	5	Sample Collected By: Mr. Axil Tandel
6	Analysis commenced on: 23.09.2021	7	Analysis Completed on: 24.09.2021
8	Reporting Date: 05.10.2021	9	Sampling Location: Near Old Admin
10	Discipline: Chemical	13	Sample Received Date: 24.09.2021
11	Group: Atmospheric Pollution		
12	Product: Ambient Noise Levels		

#### TEST RESULTS

Time (day)	Reading dB(A) Leq	Time (night)	Reading dB(A) Leq	Method Used
06.00 AM	57.8	22.00 PM	54.3	IS 9989: 1981
07.00 AM	55.1	23.00 PM	52.9	IS 9989: 1981
08.00 AM	54.9	24.00 PM	53.7	IS 9989: 1981
09.00 AM	56.2	01.00 AM	55.1	IS 9989: 1981
10.00 AM	58.4	02.00 AM	54.4	IS 9989: 1981
11.00 AM	60.1	03.00 AM	52.6	IS 9989: 1981
12.00 PM	57.3	04.00 AM	50.2	IS 9989: 1981
13.00 PM	58.5	05.00 AM	48.6	IS 9989: 1981
14.00 PM	61.2	06.00 AM	47.7	IS 9989: 1981
15.00 PM	60.7			IS 9989: 1981
16.00 PM	57.9			IS 9989: 1981
17.00 PM	59.1			IS 9989: 1981
18.00 PM	62.7			IS 9989: 1981
19.00 PM	61.4			IS 9989: 1981
20.00 PM	58.7			IS 9989: 1981
21.00 PM	57.8			IS 9989: 1981
22.00 PM	54.3			IS 9989: 1981
Average	58.4	Average	52.2	
Max.	62.7	Max.	55.1	
Min.	54.3	Min.	47.7	

Remark: GPCB Limits: Day Time - 75 dB(A) (06.00 AM to 10.00 PM)/Night Time - 70 dB(A) (10.00 PM to 06.00 AM)

Authorized By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

#### NOTE :

- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
- 2) Re analysis of Sample will be done, if requested within 7 days from the date of Reporting of Sample if the Samples are not consumed during analysis.
- 3) The results reported above relate to the Sample identified under Sample Details.

-----END OF REPORT-----

#### LABORATORY TEST REPORT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-05-2015	Revision Date: 01.03.2021



TC-7099

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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - NOISE

REPORT NO.: SEP21/136/31 (ULR- TC709921000017668F)

#### SAMPLE DETAILS

1	Name & Address of Client: M/s. RSPL Ltd., Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka – Dwarka Dist.: Dev Bhumi Dwarka Pin : 361335.		
2	Sample ID: 2147268246 –136SE21NO02	3	Client Representative: Mr. Pankaj Sharma
4	Sample Date: 21.09.2021	5	Sample Collected By: Mr. Axil Tandel
6	Analysis commenced on: 21.09.2021	7	Analysis Completed on: 22.09.2021
8	Reporting Date: 05.10.2021	9	Sampling Location: Towards Goji Ness Village (Nr.Salt Storage Yard)
10	Discipline: Chemical	13	Sample Received Date: 22.09.2021
11	Group: Atmospheric Pollution		
12	Product: Ambient Noise Levels		

#### TEST RESULTS

Time (day)	Reading dB(A) Leq	Time (night)	Reading dB(A) Leq	Method Used
06.00 AM	58.1	22.00 PM	56.7	IS 9989: 1981
07.00 AM	60.2	23.00 PM	54.2	IS 9989: 1981
08.00 AM	57.3	24.00 PM	52.9	IS 9989: 1981
09.00 AM	61.4	01.00 AM	55.7	IS 9989: 1981
10.00 AM	59.7	02.00 AM	53.3	IS 9989: 1981
11.00 AM	62.1	03.00 AM	50.2	IS 9989: 1981
12.00 PM	64.7	04.00 AM	51.1	IS 9989: 1981
13.00 PM	65.4	05.00 AM	49.8	IS 9989: 1981
14.00 PM	63.6	06.00 AM	50.6	IS 9989: 1981
15.00 PM	60.9			IS 9989: 1981
16.00 PM	62.5			IS 9989: 1981
17.00 PM	59.7			IS 9989: 1981
18.00 PM	61.1			IS 9989: 1981
19.00 PM	63.8			IS 9989: 1981
20.00 PM	60.2			IS 9989: 1981
21.00 PM	58.3			IS 9989: 1981
22.00 PM	56.7			IS 9989: 1981
Average	60.9	Average	52.7	
Max.	65.4	Max.	56.7	
Min.	56.7	Min.	49.8	

Remark: GPCB Limits, Day Time - 75 dB(A) (06.00 AM to 10.00 PM)/Night Time - 70 dB(A) (10.00 PM to 06.00 AM)

Authorized By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

#### NOTE :

- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### LABORATORY TEST REPORT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-05-2015	Revision Date: 01.03.2021





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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - NOISE

REPORT NO.: SEP21/136/32 (ULR- TC709921000017669F)

#### SAMPLE DETAILS

1	Name & Address of Client: M/s. RSPL Ltd., Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka – Dwarka Dist.: Dev Bhumi Dwarka Pin : 361335.		
2	Sample ID: 2147268246 –136SE21N003	3	Client Representative: Mr. Pankaj Sharma
4	Sample Date: 22.09.2021	5	Sample Collected By: Mr. Axil Tandel
6	Analysis commenced on: 22.09.2021	7	Analysis Completed on: 23.09.2021
8	Reporting Date: 05.10.2021	9	Sampling Location: Near Time Office
10	Discipline: Chemical	13	Sample Received Date: 23.09.2021
11	Group: Atmospheric Pollution		
12	Product: Ambient Noise Levels		

#### TEST RESULTS

Time (day)	Reading dB(A) Leq	Time (night)	Reading dB(A) Leq	Method Used
06.00 AM	56.2	22.00 PM	54.3	IS 9989: 1981
07.00 AM	59.8	23.00 PM	56.2	IS 9989: 1981
08.00 AM	62.9	24.00 PM	55.7	IS 9989: 1981
09.00 AM	64.8	01.00 AM	52.9	IS 9989: 1981
10.00 AM	65.1	02.00 AM	51.8	IS 9989: 1981
11.00 AM	67.3	03.00 AM	53.6	IS 9989: 1981
12.00 PM	68.4	04.00 AM	50.7	IS 9989: 1981
13.00 PM	65.9	05.00 AM	48.4	IS 9989: 1981
14.00 PM	63.4	06.00 AM	49.1	IS 9989: 1981
15.00 PM	66.2			IS 9989: 1981
16.00 PM	64.6			IS 9989: 1981
17.00 PM	63.1			IS 9989: 1981
18.00 PM	61.8			IS 9989: 1981
19.00 PM	62.6			IS 9989: 1981
20.00 PM	59.7			IS 9989: 1981
21.00 PM	56.1			IS 9989: 1981
22.00 PM	54.3			IS 9989: 1981
Average	62.5	Average	52.5	
Max.	68.4	Max.	56.2	
Min.	54.3	Min.	48.4	

Remark: GPCB Limits: Day Time - 75 dB(A) (06.00 AM to 10.00 PM)/Night Time - 70 dB(A) (10.00 PM to 06.00 AM)

Authorized By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

#### NOTE :

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- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### LABORATORY TEST REPORT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-05-2015	Revision Date: 01.03.2021



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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - NOISE

REPORT NO.: SEP21/136/33 (ULR- TC709921000017670F)

#### SAMPLE DETAILS

1	Name & Address of Client: M/s. RSPL Ltd., Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka - Dwarka Dist.: Dev Bhumi Dwarka Pin : 361335.		
2	Sample ID: 2147268246 -136SE21N004	3	Client Representative: Mr. Pankaj Sharma
4	Sample Date: 24.09.2021	5	Sample Collected By: Mr. Axil Tandel
6	Analysis commenced on: 24.09.2021	7	Analysis Completed on: 25.09.2021
8	Reporting Date: 05.10.2021	9	Sampling Location: Filtration & Calcination (Unit - 5)
10	Discipline: Chemical	13	Sample Received Date: 25.09.2021
11	Group: Atmospheric Pollution		
12	Product: Workplace Noise Level		

#### TEST RESULTS

Time (day)	Reading dB(A) Leq	Time (night)	Reading dB(A) Leq	Method Used
06.00 AM	70.9	22.00 PM	74.1	IS 9889: 1981
07.00 AM	73.1	23.00 PM	72.9	IS 9889: 1981
08.00 AM	74.7	24.00 PM	70.6	IS 9889: 1981
09.00 AM	71.6	01.00 AM	71.1	IS 9889: 1981
10.00 AM	68.4	02.00 AM	68.7	IS 9889: 1981
11.00 AM	70.5	03.00 AM	69.8	IS 9889: 1981
12.00 PM	72.1	04.00 AM	67.3	IS 9889: 1981
13.00 PM	73.8	05.00 AM	65.2	IS 9889: 1981
14.00 PM	75.4	06.00 AM	63.5	IS 9889: 1981
15.00 PM	77.2			IS 9889: 1981
16.00 PM	79.6			IS 9889: 1981
17.00 PM	78.8			IS 9889: 1981
18.00 PM	80.1			IS 9889: 1981
19.00 PM	76.5			IS 9889: 1981
20.00 PM	75.7			IS 9889: 1981
21.00 PM	72.9			IS 9889: 1981
22.00 PM	74.1			IS 9889: 1981
Average	74.4	Average	69.2	
Max.	80.1	Max.	74.1	
Min.	68.4	Min.	63.5	

Remark: Limit as per Factory Act 85 dB(A)

Authorized By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

#### NOTE :

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- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### LABORATORY TEST REPORT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-05-2015	Revision Date: 01.03.2021





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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - NOISE

REPORT NO.: SEP21/136/34 (ULR- TC709921000017671F)

#### SAMPLE DETAILS

1	Name & Address of Client: M/s. RSPL Ltd., Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka - Dwarka Dist.: Dev Bhumi Dwarka Pin : 361335.		
2	Sample ID: 2147268246 -136SE21NO05	3	Client Representative: Mr. Pankaj Sharma
4	Sample Date: 24.09.2021	5	Sample Collected By: Mr. Axil Tandel
6	Analysis commenced on: 24.09.2021	7	Analysis Completed on: 25.09.2021
8	Reporting Date: 05.10.2021	9	Sampling Location: UCR
10	Discipline: Chemical	13	Sample Received Date: 25.09.2021
11	Group: Atmospheric Pollution		
12	Product: Workplace Noise Level		

#### TEST RESULTS

Time (day)	Reading dB(A) Leq	Time (night)	Reading dB(A) Leq	Method Used
06.00 AM	75.2	22.00 PM	73.7	IS 9989: 1981
07.00 AM	72.6	23.00 PM	71.9	IS 9989: 1981
08.00 AM	73.8	24.00 PM	70.6	IS 9989: 1981
09.00 AM	74.9	01.00 AM	67.3	IS 9989: 1981
10.00 AM	77.4	02.00 AM	69.1	IS 9989: 1981
11.00 AM	79.6	03.00 AM	68.6	IS 9989: 1981
12.00 PM	80.5	04.00 AM	65.7	IS 9989: 1981
13.00 PM	81.8	05.00 AM	66.6	IS 9989: 1981
14.00 PM	79.2	06.00 AM	64.4	IS 9989: 1981
15.00 PM	82.1			IS 9989: 1981
16.00 PM	81.9			IS 9989: 1981
17.00 PM	78.3			IS 9989: 1981
18.00 PM	79.5			IS 9989: 1981
19.00 PM	77.8			IS 9989: 1981
20.00 PM	78.4			IS 9989: 1981
21.00 PM	76.1			IS 9989: 1981
22.00 PM	73.7			IS 9989: 1981
Average	77.8	Average	68.7	
Max.	82.1	Max.	73.7	
Min.	72.6	Min.	64.4	

Remark: Limit as per Factory Act 85 dB(A)

Authorized By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

#### NOTE :

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- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### LABORATORY TEST REPORT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-05-2015	Revision Date: 01.03.2021



TC-7099

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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - NOISE

REPORT NO.: SEP21/136/37 (ULR- TC709921000017674F)

#### SAMPLE DETAILS

1	Name & Address of Client: M/s. RSPL Ltd., Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka – Dwarka Dist.: Dev Bhumi Dwarka Pin : 361335.		
2	Sample ID: 2147268246 – 136SE21N008	3	Client Representative: Mr. Pankaj Sharma
4	Sample Date: 25.09.2021	5	Sample Collected By: Mr. Axil Tandel
6	Analysis commenced on: 25.09.2021	7	Analysis Completed on: 26.09.2021
8	Reporting Date: 05.10.2021	9	Sampling Location: Mechanical Workshop
10	Discipline: Chemical	13	Sample Received Date: 26.09.2021
11	Group: Atmospheric Pollution		
12	Product: Workplace Noise Level		

#### TEST RESULTS

Time (day)	Reading dB(A) Leq	Time (night)	Reading dB(A) Leq	Method Used
06.00 AM	72.9	22.00 PM	72.7	IS 9989: 1981
07.00 AM	70.4	23.00 PM	70.6	IS 9989: 1981
08.00 AM	73.6	24.00 PM	68.4	IS 9989: 1981
09.00 AM	75.1	01.00 AM	69.1	IS 9989: 1981
10.00 AM	78.5	02.00 AM	73.5	IS 9989: 1981
11.00 AM	80.2	03.00 AM	71.8	IS 9989: 1981
12.00 PM	82.4	04.00 AM	72.9	IS 9989: 1981
13.00 PM	81.3	05.00 AM	74.3	IS 9989: 1981
14.00 PM	78.6	06.00 AM	72.6	IS 9989: 1981
15.00 PM	77.4			IS 9989: 1981
16.00 PM	75.9			IS 9989: 1981
17.00 PM	74.7			IS 9989: 1981
18.00 PM	72.9			IS 9989: 1981
19.00 PM	70.6			IS 9989: 1981
20.00 PM	73.1			IS 9989: 1981
21.00 PM	75.8			IS 9989: 1981
22.00 PM	72.7			IS 9989: 1981
Average	75.7	Average	71.8	
Max.	82.4	Max.	74.3	
Min.	70.4	Min.	68.4	

Remark: Limit as per Factory Act 85 dB(A)

Authorized By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

#### NOTE :

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- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### LABORATORY TEST REPORT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-05-2015	Revision Date: 01.03.2021





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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT – STACK

REPORT NO.: OCT21/064/01 (ULR- TC709921000018647F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471,Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village: Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.				
2.	Sample ID: 2147268246 – 064OC21SE01	3.	Client Representative : Mr. Pankaj Sharma		
4.	Sample Date: 11.10.2021	5.	Sampling Location: DG Set (1010 KVA)		
6.	Sampling Time: 14:50 hr	7.	Sampling Duration: 40 Mins		
8.	Analysis commenced on: 27.10.2021	9.	Analysis Completed on: 27.10.2021		
10.	Reporting Date: 29.10.2021	11.	Discipline : Chemical		
12.	Sample Collected By: Mr. Bharat Patel	13.	Group : Atmospheric Pollution		
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission		
16.	Description of Sample:	Sampling Bottles: Sealed ✓		Thimble:Packed✓	Bladder: Clamped
17.	Sample Received Date: 27.10.2021				

#### STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: DG Set (1010 KVA)
2.	Height	m	: 30
3.	Diameter	mm	: 200
4.	Temperature	°C	: 125
5.	Velocity	m/s	: 7.12

#### TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Particulate Matter	mg/Nm <sup>3</sup>	: 68	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO <sub>2</sub> )	ppm	: 19.21	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NO <sub>x</sub> )	ppm	: 12.86	50	IS 11255 (Part 7) : 2005

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

- NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.  
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.  
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT – STACK

REPORT NO.: OCT21/064/02 (ULR- TC709921000018648F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village: Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.		
2.	Sample ID: 2147268246 – 064OC21SE02	3.	Client Representative : Mr. Pankaj Sharma
4.	Sample Date: 11.10.2021	5.	Sampling Location: DG Set (2000 KVA)
6.	Sampling Time: 14:00 hr	7.	Sampling Duration: 40 Mins
8.	Analysis commenced on: 27.10.2021	9.	Analysis Completed on: 27.10.2021
10.	Reporting Date: 29.10.2021	11.	Discipline : Chemical
12.	Sample Collected By: Mr. Bharat Patel	13.	Group : Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample:	Sampling Bottles: Sealed ✓	Thimble:Packed✓ Bladder: Clamped
17.	Sample Received Date: 27.10.2021		

#### STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: DG Set (2000 KVA)
2.	Height	m	: 30
3.	Diameter	mm	: 200
4.	Temperature	°C	: 135
5.	Velocity	m/s	: 7.36

#### TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Particulate Matter	mg/Nm <sup>3</sup>	: 76	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO <sub>2</sub> )	ppm	: 22.39	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	: 14.12	50	IS 11255 (Part 7) : 2005

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

- NOTE:
- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
  - 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
  - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

#### TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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## ENVIRONMENTAL MONITORING REPORT



### LABORATORY TEST REPORT - NOISE

REPORT NO.: OCT21/064/03 (ULR- TC709921000018649F)

#### SAMPLE DETAILS

1.	Name & Address of Client: M/s. RSPL Ltd. Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga, Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335.	3.	Client Representative: Mr. Pankaj Sharma
2.	Sample ID: 2147268246 – 064OC21NO01	4.	Sample Collected By: Mr. Bharat Patel
4.	Sample Date: 11.10.2021	5.	Analysis Completed on: 11.10.2021
6.	Analysis commenced on: 11.10.2021	7.	Sampling Location : D.G. Sets
8.	Reporting Date: 29.10.2021		
10.	Discipline: Chemical		
11.	Group: Atmospheric Pollution		
12.	Product : Work Place Noise Levels		

#### TEST RESULTS

S.No.	Location	Day		Method Used
		Time	ReadingdB(A)	
1.	Nr. D.G. Set (1010 KVA)	14.20 hr	73.4	IS 9989: 1981
2.	Nr. D.G. Set (2000 KVA)	14.55 hr	74.2	IS 9989: 1981

Remark : Limit as per factory act : 85 dB(A)

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

- NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.  
2) Re-sampling may be done, if required, with written approval of the laboratory.  
3) The results reported above relate to the sample identified under **Sample Details**.

-----END OF REPORT-----

#### LABORATORY TEST REPORT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 02
Effective Date: 01.07.2020	Issue Date: 01-05-2015	Revision Date: 01.07.2020



**Photographs of Greenbelt Development carried out by RSPL Limited at Kuranga, Dist. Devbhumi Dwarka, Gujarat.**

**Plantation growth status**













**Nursery Development**



**World Environment Day Plantation on 5<sup>th</sup> June, 2021**



**Details of expenditure incurred towards CSR activities by RSPL  
Welfare Foundation for the period May 2021 to October 2021.**

<b>Sr. No.</b>	<b>Activities Undertaken</b>	<b>Amount (Rs.)</b>
1	Installed 9KL Capacity Oxygen Tank alongwith Vaporizer system at Khambhalia General Hospital (Including Material Charges, Transportation Charges, Sprinkler System Installation Charges, PESO License Charges) to combat Covid-19 pandemic.	6036108.00
2	Distribution of food packets in nearby affected villages during Cyclone Tauktae on Gujarat coast	26032.00
3	Provided Ambulance to Primary Health Centre in Tupani Village, Dwarka	568948.00
4	Provided medical items like (ABS BED With IV Stand & Mattress, Waiting Chair set of 3 type, Examination table for patient with mattress & Medicine Rack) were provided at Primary Health Centre in Bhogat Village, Dwarka	45689.00
5	Renovation work carried out at Primary Health Centre in Kalyanpur Village, Dwarka	736467.00
6	Rental Camper provided to Government for meeting the medical emergency of Oxygen Cylinder during Covid -19 Pandemic.	85984.00
7	Provided borewell facility for drinking water to Primary Health Centre at Bhogat & Tupani villages, Dwarka	194417.00
8	Installation of Copper Pipe for Oxygen tank at Raval Village Hospital, Dwarka	145700.00
9	Installed 2000 Litres drinking water tank at Dwarkadish Temple, Dwarka	22662.00
10	Renovation Work carried out at Police Chowki in Kuranga Village, Dwarka	290926.71
11	Economic help to Blind Person for the Period :- April -2021 to Oct - 2021	21000.00
12	Laying of Paver Blocks at Nageshwar Temple, Dwarka	174212.00
13	Donation for Armed Force Flag Day Celebration at Dwarka	5000.00
14	Gift Distribution during Navratri Festival to Females participating in Garba Mahotsav	24750.00
15	Gift Distribution to Female candidates for excellent performance in Cultural Programme on the occasion of Independence Day	4400.00
16	Replacement of motor in water cooler at Dwarkadish Temple, Dwarka	6496.00
	<b>Total</b>	<b>8388791.71</b>



ભોજપૂર્ણ  
દેશ

**BREAKING  
NEWS**

આર.એસ.પી.એલ.યુ. કંપની દ્વારા ખંભાળિયા સરકારી હોસ્પિટલમાં  
વિશાળ ઓક્સિજન ટેન્ક આપવામાં આવી



આર.એસ.પી.એલ.યુ. કંપની દ્વારા ખંભાળિયા સરકારી હોસ્પિટલમાં  
વિશાળ ઓક્સિજન ટેન્ક આપવામાં આવી



**Installed 9KL Capacity Oxygen Tank alongwith Vaporizer system at Khambhalia General Hospital to combat Covid-19 pandemic**

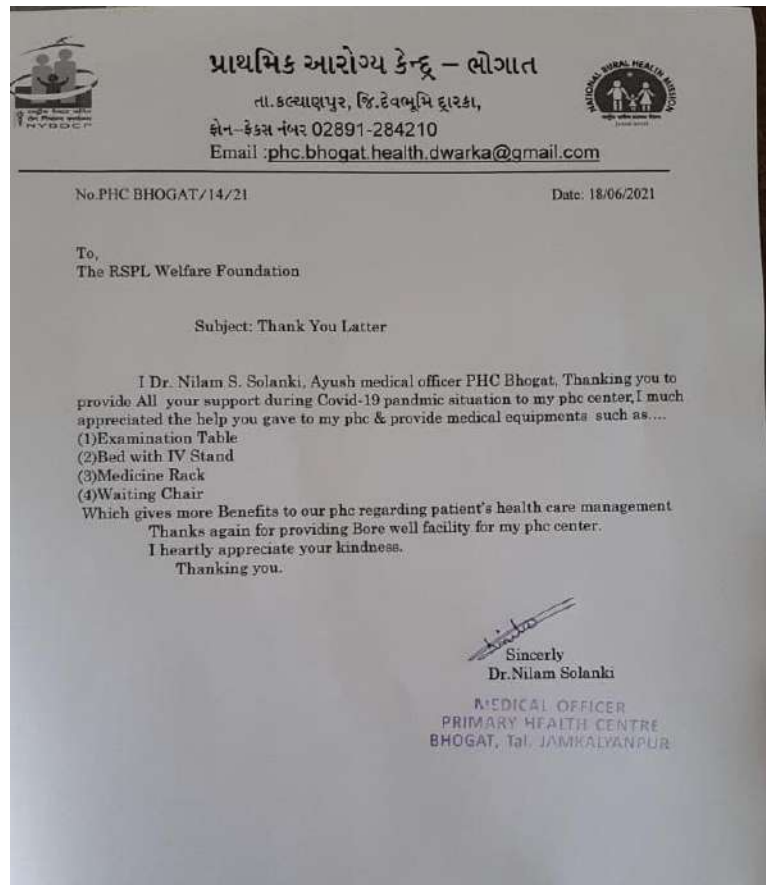


**Distribution of food packets in nearby affected villages during Cyclone Tauktae on Gujarat Coast**





**Provided Ambulance to Primary Health Centre in Tupani Village, Dwarka**



**Provided medical items at Primary Health Centre in Bhogat Village, Dwarka**



**Renovation work carried out at Primary Health Centre in Kalyanpur Village, Dwarka**



**8-12-21**  
**Provision of Borewell at PHC in  
Bhogat Village**

**Provided borewell facility for drinking water to Primary Health Centers of Bhogat & Tupani Villages, Dwarka**



**Installed 2000 Litres drinking water tank at Dwarkadhish Temple, Dwarka**

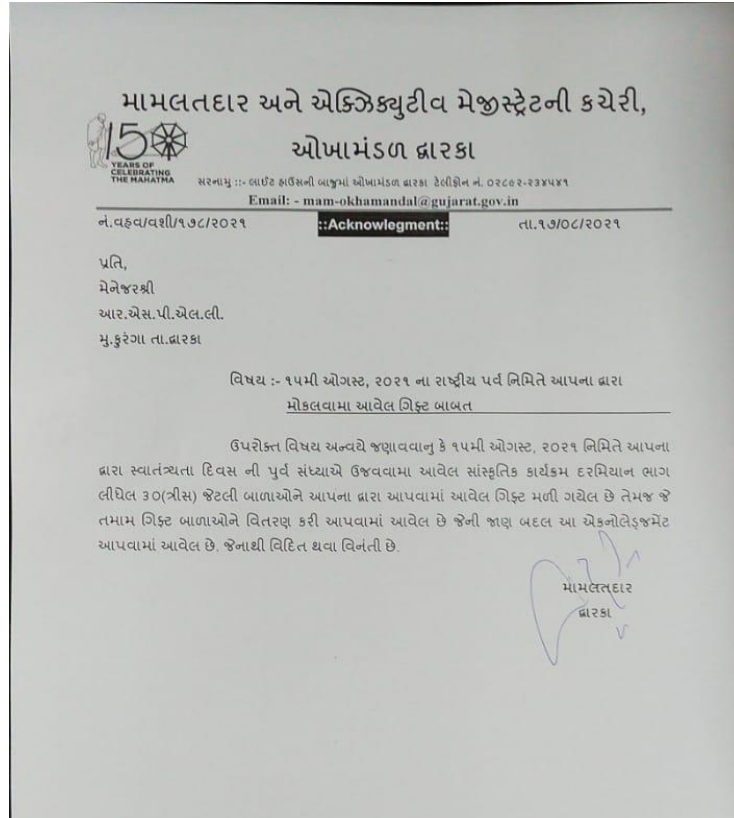


**Renovation work carried out at Police Chowki in Kuranga Village, Dwarka**





**Laying of Paver Blocks at Nageshwar Temple, Dwarka**



**Acknowledgement letter from Mamlatdar office, Dwarka for Gift Distribution to female candidates for their excellent performance in Cultural Programme on the occasion of Independence Day**

**Compliance of the conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide their letter dated 17.12.2014  
(For the period of May, 2021 to October, 2021)**

Sr. No.	Conditions	Compliance Status
1.	The provisions of the CRZ notification of 2011 shall be strictly adhered by the RSPL.	Noted and agreed.
2.	The RSPL Limited shall prepare an emergency plan to protect existing ecology of the area in case of any eventuality/accidental rupture of the pipeline.	During design stage, due consideration is given for the selection of MOC and pipe design pressure to prevent any possible eventuality/accidental rupture of the pipeline. Further to monitor the pipeline system, flow meter and pressure transmitter has been provided. With help of this it will be possible to notice eventuality/accidental rupture (if any) to take corrective actions.
3.	It shall be ensure by the RSPL Limited that in such cases, the effluent discharge is immediately stopped till the adequate measures are taken.	Noted and agreed.
4.	The RSPL shall install online monitoring system for all crucial parameters and ensure that treated effluent shall be discharged into deep sea at a point suggested by the NIO only after conforming the norms prescribed by the GPCB.	Online monitoring system for critical parameters likes Temperature, pH, SS and Ammonical Nitrogen has been installed before the discharge in the outfall. Treated effluent meeting the MoEFCC/GPCB norms are being discharged into the deep Arabian Sea (-12m CD water depth) at a location recommended by NIO.
5.	The RSPL Limited shall ensure that the laying of pipeline should be avoided during the breeding period of sea turtles.	Necessary precautions had been taken while laying the pipelines.
6.	Necessary permissions including permission under Forest (Conservation) Act, 1980 from different departments/agencies under different laws/acts shall be obtained before commencing the construction/pipeline laying activities.	Necessary following clearances/recommendations had already been obtained (copies of the same had already been submitted in earlier compliance report vide our letter dated 30.05.2016). A. Environmental Clearance: MoEFCC, New Delhi had accorded consolidated EC-CRZ Clearance vide letter dated 12.11.2015 and B. Forests & Environment Department (DoEF), Gandhinagar/ Gujarat Coastal Management Zone Authority, Gandhinagar had issued necessary recommendation vide letter dated 17.12.2014. C. Forest Clearance: MoEFCC, Bhopal vide letter dated 31.08.2015 and 30.12.2015 had issued Stage-I and Stage-II

**Compliance of the conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide their letter dated 17.12.2014  
(For the period of May, 2021 to October, 2021)**

Sr. No.	Conditions	Compliance Status
		II Forest Approval respectively. On receipt of approval from MoEFCC, Bhopal, Government of Gujarat had issued necessary MEMORANDUM for diversion of forest land vide letter dated 22.03.2016.
7.	Treated effluent meeting with the Gujarat Pollution Control Board (GPCB) norms at the point recommended by the NIO shall only be discharged through the said pipeline.	The return once through cooling water is being mixed with Process effluent and further diluted treated & diluted with fresh Seawater to meet GPCB norms. Treated effluent is being monitored for Temperature, pH, SS and Ammonical Nitrogen parameters through online monitoring system prior to discharge into the Arabian Sea at a designated point as recommended by the NIO.
8.	All the recommendations and suggestions given by the NIO in their effluent disposal point selection report and suggestions /recommendations given by M/s NIO in their Comprehensive Marine EIA report and M/s. NEERI in the Environment Impact Assessment report shall be implemented strictly by M/s RSPL.	<p>Recommendations and Mitigation measures suggested in Comprehensive Marine EIA report of M/s. NIO and in the Environment Impact Assessment report of M/s. NEERI have been implemented.</p> <p>The Online monitoring system for critical parameters likes Temperature, pH, SS and Ammonical Nitrogen has been installed before the discharge in the outfall. Treated effluent meeting the MoEFCC/GPCB norms is being discharged into the deep Arabian Sea (-12m CD water depth) through multiport diffuser system at a location recommended by NIO.</p>
9.	The effluent not meeting with the GPCB norms shall not be discharged and shall be stored in the Guard ponds and recycled back into the Effluent Treatment Plant for further treatment to achieve the GPCB norms. M/s. RSPL shall install necessary facilities for this purpose and shall strictly ensure the compliance with the GPCB norms, round the clock.	Noted.



**Compliance of the conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide their letter dated 17.12.2014  
(For the period of May, 2021 to October, 2021)**

Sr. No.	Conditions	Compliance Status
10.	Comprehensive Environment Impact Assessment report shall be submitted to this department and the recommendations/suggestions given in it shall be implemented.	Already submitted to Forests and Environment Dept., Gandhinagar.
11.	The construction debris and sewage generated during the construction phase shall not be discharged into the creek, sea, estuary or into the CRZ area. The debris shall be removed from the construction site immediately after the construction is over and shall be disposed off as the guidance of the GPCB.	Construction debris has been removed from project site after completion of project work and not been discharged into the creek/sea. No sewage has been discharged into creek /sea.
12.	The construction camps shall be located outside the CRZ area and the construction labours shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labours.	Construction camps were located outside CRZ area during construction stage and have already been removed now from project site after completion of construction work.
13.	The Groundwater shall not be tapped to meet with water requirements during construction or operation phase in any case.	Noted and agreed.
14.	A Disaster Management Plan to meet with any eventualities that may arise during construction and/or operation phase shall be prepared and implemented.	On-site and Off-site Emergency Plan has been prepared and being implemented.
15.	The pipeline shall be monitored regularly by the company and it shall be ensured that there is no leak from the pipeline, In case of any such eventualities, the company shall immediately stop disposal through the said pipeline and take the corrective measures in consultation with the GPCB and the District Collector.	During design stage, due consideration is given for the selection of MOC and pipe design pressure to prevent any possible eventuality/accidental rupture of the pipeline. Further to monitor the pipeline system, flow meter and pressure transmitter has been provided. With help of this it will be possible to notice eventuality/accidental rupture (if any) to take corrective actions.
16.	The RSPL shall ensure and adopt safety precautions for effective and satisfactory functioning of the pipeline and shall provide Leak Detection System and Cathodic Protection system for the purpose.	Noted and agreed.

**Compliance of the conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide their letter dated 17.12.2014  
(For the period of May, 2021 to October, 2021)**

Sr. No.	Conditions	Compliance Status
17.	A separate Environmental Cell with qualified personnel shall be created to implement the Environmental Management Plan and a separate budget shall be provided for this purpose.	A separate Environment Cell equipped with qualified personnel is deputed under the supervision of Plant Head for implementation of Environment Management Plan.
18.	The cost of the external agency that may be appointed by this department for supervision /monitoring of the project activities during construction/operational phases shall be borne by M/s RSPL.	Agreed.
19.	Massive greenbelt development including the mangrove plantation shall in area of 50 ha. be carried out in consultation with the GEC/ Forest Department by RSPL and would be completed within a period of two years from the date of issuance of the CRZ Clearance from MoEF& CC, GOI.	Mangrove plantation had already been undertaken and completed in 50 ha. in Kantiyanjal village, Hasot Taluka of Bharuch District in consultation with Gujarat Ecology Commission (GEC), Gandhinagar. Mangrove Plantation was carried out through local Community based Organization.
20.	A large scale socio-economic upliftment program in consultation with District Collector/DDO shall be carried out. A separate budget shall be provided for this purpose and details be furnished to this Department from time to time.	CSR activities undertaken with photographs are attached herewith as <b>Annexure-3</b> for the details.
21.	Environment Audit report shall be submitted every year. The report shall also cover the change in the coastal and marine environment enroute the proposed pipeline and around disposal point due to commissioning of the proposed pipeline.	Environmental Audit for Soda Ash plant is being carried out through GPCB Authorized Schedule-I Environmental auditor for every financial year and reports are being submitted to GPCB by end of June every year.
22.	A six monthly progress report regarding the compliance of the conditions shall be submitted to this Department and MoEF&CC, GOI.	The six monthly compliance reports have been submitted to the MoEFCC, RO- Bhopal, CPCB, Zonal Office-Vadodara and GPCB on following dates: 1) RSPL/CCG/VKG/ENV-002/036/2021-22 dated 08.07.2021 2) RSPL/CCG/VKG/ENV-002/104/2020-21 dated 30.11.2020 3) RSPL/CCG/VKG/ENV-002/001/2020-21 dated 30.05.2020 4) RSPL/CCG/VKG/ENV-002/013/2019-20 dated 19.11.2019 5) RSPL/CCG/VKG/ENV-002/013/2019-20 dated 12.05.2019 6) RSPL/CCG/VKG/ENV-002/116/2018-19 dated 12.12.2018 7) RSPL/CCG/VKG/ENV-002/042/2018-19 dated 15.06.2018 8) RSPL/CCG/VKG/ENV-002/095/2017-18 dated 04.12.2017 9) RSPL/CCG/VKG/ENV-002/026/2017-18 dated 19.05.2017

**Compliance of the conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide their letter dated 17.12.2014  
(For the period of May, 2021 to October, 2021)**

Sr. No.	Conditions	Compliance Status
		10) RSPL/CCG/VKG/ENV-002/228/2016-17 dated 14.12.2016 11) RSPL/CCG/VKG/ENV-002/038/2016-17 dated 30.05.2016
23.	Any additional condition that may be imposed by this department/MoEF&CC, GOI from time to time shall have to be complied with by M/s RSPL.	If any additional condition imposed by the DoEF/ministry, we will abide with the same.