

RSPL/CCG/VKG/ENV-002/118/2021-22

Date: 08/03/2022

To,  
The Member Secretary (Industry-3),  
Ministry of Environment, Forest & Climate Change,  
Indira Paryavaran Bhavan, Jor Bagh Road,  
New Delhi – 110003

Sub.: Reply to Essential Details Sought (EDS) for Proposed Expansion for Production of Soda Ash and Captive Co-generation Power Plant at existing facilities of RSPL Limited, Village Kuranga, Taluka Dwarka, District Devbhumi Dwarka, Gujarat

Ref.: EDS sought for Proposal No. IA/GJ/IND3/256963/2022 dated 23.02.2022

Dear Sir,

With reference to above mentioned subject, we hereby submit reply to the EDS by your office, towards the issue of TOR for proposed Expansion project.

| S. No. | Essential Details Sought  | RSPL's Reply   |        |                       |                      |    |                                 |     |    |                             |    |    |                                  |   |
|--------|---|--|--------|-----------------------|----------------------|----|---------------------------------|-----|----|-----------------------------|----|----|----------------------------------|---|
| 1.     | At S.No. 2, of Form-I, PP submitted application for 4 (e) category, however in PFR PP mentioned the application for 4(e) and 1(d). Please check and revise the application as the whole process is online on Parivesh portal.   | This is an issue with Parivesh portal. Only 1 option for a sector is available to choose while uploading Form 1. Captive co-generation power plant 1 (d) is a part of our main Soda Ash project under category 4(e).   |        |                       |                      |    |                                 |     |    |                             |    |    |                                  |   |
| 2.     | On perusal it is noted that PP has got earlier EC in 2015. In this context, PP needs to submit the latest status of EC compliances which was submitted to the IRO, MoEFCC.  | The status of EC compliances submitted to the IRO, MoEFCC regularly. Latest status is attached as <b>Enclosure-1</b> .   |        |                       |                      |    |                                 |     |    |                             |    |    |                                  |   |
| 3.     | Status of implementation of green belt needs to be submitted.   | <p>The status of greenbelt implementation is as under</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Greenbelt description</th> <th>Greenbelt area (ha.)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Total area as per EC provisions</td> <td>189</td> </tr> <tr> <td>2.</td> <td>Area implemented as on date</td> <td>45</td> </tr> <tr> <td>3.</td> <td>Remaining area to be implemented</td> <td>144 (under process of development in phased manner)</td> </tr> </tbody> </table> | S. No. | Greenbelt description | Greenbelt area (ha.) | 1. | Total area as per EC provisions | 189 | 2. | Area implemented as on date | 45 | 3. | Remaining area to be implemented | 144 (under process of development in phased manner) |
| S. No. | Greenbelt description   | Greenbelt area (ha.)   |        |                       |                      |    |                                 |     |    |                             |    |    |                                  |   |
| 1.     | Total area as per EC provisions   | 189  |        |                       |                      |    |                                 |     |    |                             |    |    |                                  |   |
| 2.     | Area implemented as on date   | 45   |        |                       |                      |    |                                 |     |    |                             |    |    |                                  |   |
| 3.     | Remaining area to be implemented  | 144 (under process of development in phased manner)  |        |                       |                      |    |                                 |     |    |                             |    |    |                                  |   |
| 4.     | The details of products (manufactured till date) need to be submitted in tabular form showing its details of EC/CTO vis-à-vis production capacity to check the violation, if any. All old CTEs/CTOs/ HW Authorization to be uploaded to verify the violation, if any. | Details of products manufactured till date with reference to production capacities as per EC & CC&A granted by GPCB is shown in the table below.   |        |                       |                      |    |                                 |     |    |                             |    |    |                                  |   |

| S. No.    | Essential Details Sought   | RSPL's Reply  |                            |            |           |   |  |
|-----------|--|---|----------------------------|------------|-----------|---|--|
|           |  | S. No.  | Product Name / Description | Quantities |           | Actual production till date   | Remarks  |
| As per EC | As per CC&A  |   |                            |            |           |   |  |
|           |  | 1.  | Light Soda Ash             | 1500 TPD   | 46500 TPM | Actual production details based on Financial year basis are attached as Enclosure-2 | There is no violation of EC / CTO vis-a vis production capacity. |
|           |  | 2.  | Dense soda Ash             | 770 TPD    | 23870 TPM | 0   | Dense Soda Ash plant not established yet                         |
|           |  | <p><b>*Dense Soda Ash is conversion of Light Soda Ash</b></p> <p>GPCB granted Consent to Establish (CTE) for the project bearing no. 63789 vide their letter No. GPCB-CCA-JMN-1071/GPCB-ID-43851/221836 dated 12.08.2014. CTE was further amended on 09.10.2019 for its validity extension till 29.07.2024. Copies of CTE and subsequent amendment is attached herewith as <b>Enclosure-3 (A)</b>.</p> <p>Consolidated Consent &amp; Authorisation (CC&amp;A) bearing Consent Order No.AWH-99205 dated 04.02.2019 and 09.10.2019 is attached herewith as <b>Enclosure-3 (B)</b>.</p>  |                            |            |           |   |  |
| 5.        | At S.No. 24 of Form-I, PP mentioned there is Court case in Hon'ble NGT. Please provide the details of case and its latest order and its implication regard to instant project. Copy of OA and all orders needs to be submitted with all details. | <p>a) Name of the Court: NGT (West Zone), Pune</p> <p>b) Case No.: Original Application no. 73/2017 (WZ)<br/>         Between<br/>         Subhaniya Ismail Osman (Applicant)<br/>         Vs<br/>         M/s RSPL Ltd &amp; others (Respondents)</p> <p>Applicant sought interim relief from Hon'ble NGT to restrain RSPL Limited for carrying out further project work of laying of pipeline for sea water intake and outfall system.</p> <p>The Interim order released by Hon'ble NGT on 04.10.2017 stated that <i>"The aforesaid facts revealed to us point out that no prima facie case for grant of interim injunction as prayed for is made out. Moreover, we find that the balance of convenience is in favour of the Respondent No.1- RSPL Limited and we see no irreparable injury to the coastal environment including the marine environment due to the work in question."</i></p> |                            |            |           |   |  |

| S. No. | Essential Details Sought  | RSPL's Reply  |
|--------|---|---|
|        |   | <p>This Interim order of Hon'ble NGT was challenged by the Applicant before the Hon'ble Supreme Court. The plea of the applicant was dismissed on 12.03.2018. The copy of the same is attached as <b>Enclosure-4</b>.</p> <p>The last order by the Hon'ble NGT, Pune Original Application no. 73/2017(WZ) is attached herewith as <b>Enclosure-5</b>.</p> <p>The last order by NGT Pune is self-explanatory that nothing would be left for much in this case. The final order could not be passed in our favour because of absence of applicant. Further hearing in this case for passing the orders is still awaited as on each hearing the case is adjourned and rescheduled.</p> <p>There is no implication of case to our existing as well as projects expansion as no judgement has been passed against the project.</p> <p>Copy of OA and all orders with all details are attached herewith as <b>Enclosure- 6</b>.</p> |
| 6.     | <p>PP mentioned that "Out of 582 ha. project area, approx. 536 ha is already acquired and is in use as Industrial land. Remaining land is under acquisition &amp; will be converted to Industrial use". Please provide the status of acquisition of land and all documents related to land etc. Please also confirm whether the proposed land in possession of PP or not.</p> | <p>It is clarified that the total land acquired is 535.6890 ha and the proposed expansion will be carried out within this land only. Documents related to proof of acquired land of 535.6890 ha is attached as <b>Enclosure-7</b>.</p>  |
| 7.     | <p>In EC granted in 2015, it is mentioned that the Gaga wildlife sanctuary located at a distance of 6.4 km. Please provide the NBWL clearance details as this was a specific condition that PP can only operate the Unit with valid NBWL clearance.</p>   | <p>Copy of NBWL Clearance permission in Gujarati and English language is attached herewith as <b>Enclosure-8</b>. Further, Eco-Sensitive Zone (ESZ) of Gaga Wildlife Sanctuary has since been notified on June 7, 2017. Accordingly, the project now lies outside the ESZ. Map showing the ESZ &amp; the project boundary is attached as <b>Enclosure 8(A)</b>.</p>   |
| 8.     | <p>PP, in covering letter, also mentioned that this instant project is also requires CRZ clearances. Details of CRZ application and updated CZMA approval needs to be submitted in this regard.</p>   | <p>Initial EC cum CRZ Clearance for present seawater drawl (600 MLD) and Effluent disposal (600 MLD) in Arabian Sea had already been obtained from MoEFCC letter dated 12.11.2015 and is attached as <b>Enclosure 9</b>.</p> <p>Due to the proposed expansion, increase in the capacity of intake and effluent disposal facilities is required which attracts CRZ Clearance under the provision under CRZ Notification, 2011/2019.</p> <p>CSIR-NIO, Mumbai has been appointed to conduct for marine EIA studies. On receipt of TORs and EIA Reports, a separate application for CRZ Clearance will be submitted to Gujarat</p>  |

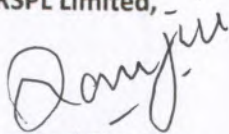
| S. No. | Essential Details Sought  | RSPL's Reply   |
|--------|---|--|
|        |   | Coastal Zone Management Authority (GCZMA) along with all pre-requisite documents as per CRZ Notification, 2011/2019.   |
| 9.     | It is informed that the whole process is online on Parivesh portal therefore the gist of answers with justification in the Form 1 needs to be revised and uploaded. Form 1/PFR shall be filled in line with the EIA Notification, 2006 providing all the scientific/technical details. This needs to be corrected and details needs to be filled. | Form-1 and PFR have been reviewed and revised in line with EIA Notification, 2006 and all the relevant details as requested in the EDS have been incorporated in the revised Form I & PFR.   |
| 10.    | Details of court cases and SCN issued by the SPCB, if any, needs to be submitted.   | <p>There is no court case with respect to Gujarat Pollution Control Board (GPCB).</p> <p>Show Cause Notices issued by Gujarat Pollution Control Board (GPCB) are attached as <b>Enclosure-10</b> alongwith replies submitted by RSPL. It may be noted that the Show Cause Notices (SCNs) are in Gujarati language and the replies address both the question raised as well as reply to the same to GPCB.</p> <p>The directions given by GPCB have been duly addressed and complied with.</p> |
| 11.    | It is mentioned that the processing of EC proposal, in the Ministry, is through Parivesh Portal only, therefore providing the requisite information / documents shall be in compliance as per Form and accordingly the PP are kindly requested to revise the application in the Form and resubmit the same.                                       | All the information and documents required for processing of EC have been furnished as per form and the application has been revised and resubmitted accordingly.  |

We hope that the above submissions are in line with requirement and request for considerations of project proposal for issuance of approved TORs.

Thanking you,

Yours faithfully

For RSPL Limited,



Authorized Signatory

Encl.: As above



“Pro Active and Responsive facilitation by Interactive, Virtuous and Environmental Singlewindow Hub”

### Project Profile

|  |   |   |
|--|---|---|
| Whether proposal involved violation of EIA notification* :           | No  |   |
| Name of the project* :<br><small>as to be appeared in agenda</small> | Proposed Expansion of RSPL  | Project sector* : Industrial Projects - 3   |
| Project cost (in CR)* :  | 1538  | Location of the project* : Survey no. 471, Nr. Marvelor   |
| Shape of the project land* :   | Block (Polygon)   | Site alternative under consideration(If any) :<br>Choose File No file chosen<br><small>(Upload site alternati ves)</small><br>Uploaded Site alternative under consideration                             |
| Upload GPS file* :   | Choose File No file chosen<br><small>(Upload KML only)</small><br>Uploaded GPS file | Upload copy of survey of India Toposheet* :<br>Choose File No file chosen<br><small>(Upload PDF only and attach it as Annexure-survey of India Toposheet)</small><br>Uploaded survey of India Toposheet |
| Brief summary of project (at least one page document)* :             | Choose File No file chosen<br>Uploaded Brief summary of project                     | <small>(Upload pdf only and attach it as Annexure-Brief summary of project)</small>   |
| Does your project location falls under out of any following areas* : | None of above Areas   | Number of states in which project will be executed* : 1   |



**Project Sector**



“Pro Active and Responsive facilitation by Interactive, Virtuous and Environmental Singlewindow Hub”

Ministry of Environment, Forest and Climate Change  
Government of India  
harish.ramchandani@rsplgroup.com



Logout

|  |   |  |   |
|--|---|--|---|
| Town / Village * :<br>(Name of more than one town may be entered by separating with ',')                     | Kuranga   | Plot/Survey/Khasra No. * :<br>(Name of more than one Plot/Survey/Khasra may be entered by separating with ',') | Survey no. 471, Nr. Marvelore Mining and Allied Industries P. Ltd., |
| Project/activity in the schedule*  | Select  | Whether the Proposed Project/Activity Located in Notified Area* :  | <input type="radio"/> Yes <input checked="" type="radio"/> No       |
| Project type* :  | <input type="checkbox"/> 4(d) Chlor-alkali industry Expansion<br><input checked="" type="checkbox"/> 4(e) Soda ash industry<br><input type="checkbox"/> 5(a) Chemical fertilizers<br><input type="checkbox"/> 5(b) Pesticides industry and pesticide specific intermediates (excluding formulations)<br><input type="checkbox"/> 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk)<br><input type="checkbox"/> 5(f)-API<br><input type="checkbox"/> 5(h) Integrated paint industry | Date of Previous EC* :   | 12/11/2015  |
| Proposed capacity/area/length/tonnage to be handled/command area/lease area/number or wells to be drilled* : |   | Does it attract the general condition?*  | No  |
| Existing capacity/area etc.* :<br>Plant operating on CTE/ CTO  |   | Does it attract the specific condition? :  | No  |
| Proposal number* :   |   |  |   |
| Upload Previous EC letter* :   |   |  |   |
| Category of project i.e. 'A' or 'B' * :  | A   |  |   |

Options available in drop down menu. 1(d) Thermal power plant is not available for selection



## Six-monthly EC-CRZ Compliance report for Soda Ash Plant

VINAY KUMAR GUPTA-ENV-AHD <vinay.gupta@rsplgroup.com>

Wed 12/1/2021 12:58 PM

To: iro.gandhingr-mefcc@gov.in <iro.gandhingr-mefcc@gov.in>

Dear Sir,

Please find attached herewith six-monthly EC compliance for Soda Ash Plant located at Kuranga, District Devbhumi Dwarka.

Hard copy of the same is also being submitted shortly.

regards,

Vinay Gupta  
RSPL Limited

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**

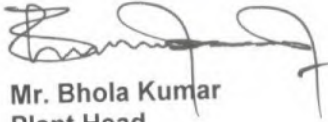
**Ref.:** Consolidated Environmental Clearance and CRZ Clearance granted vide MoEFCC letter F. No. J-11011/247/2012-IA II (I) dated 12.11.2015

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  
Vadoadara- 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)**

| S. No.   | EC Conditions   | Compliance Status  |
|----------|---|--|
| <b>A</b> | <b>SPECIFIC CONDITIONS</b>  |  |
| i)       | <p>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>  | <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)      | <p>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> | <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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| S. No. | EC Conditions  | Compliance Status   |
|--------|--|---|
|        |  | 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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| S. No. | EC Conditions   | Compliance Status  |
|--------|---|--|
| iv)    | <p>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>   | <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)     | <p>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> | <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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| <b>S. No.</b> | <b>EC Conditions</b>  | <b>Compliance Status</b>  |
|---------------|---|---|
| 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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| S. No. | EC Conditions  | Compliance Status  |
|--------|--|--|
|        | 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> |

**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)            | 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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|        | <p>of plant species shall be as per the CPCB guidelines in consultation with the DFO.</p>  | <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) | <p>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> | <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.<br><br>Temporary labor camps/Construction wastes have already been removed after the completion of project work.<br><br>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.<br><br>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.<br><br>While selecting equipments, the noise level factor has been carefully considered & every supplier has assured to take     |

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|--------------|---|---|---------|-------------|--------------------------|-----|-------------|--------|-----|-------------|--------|-----|-------------|--------|--------------|--|---------------|
|              | 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 (~7.6 lac m<sup>3</sup>) have been constructed within the project site.</p> <table border="1" data-bbox="1079 850 1717 1133"> <thead> <tr> <th>Sl. No.</th> <th>Particulars</th> <th>Volume (m<sup>3</sup>)</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> | Sl. No. | Particulars | Volume (m <sup>3</sup> ) | 01. | Reservoir-1 | 258207 | 02. | Reservoir-2 | 395854 | 03. | Reservoir-3 | 109760 | <b>Total</b> |  | <b>763823</b> |
| Sl. No.      | Particulars   | Volume (m <sup>3</sup> )  |         |             |                          |     |             |        |     |             |        |     |             |        |              |  |               |
| 01.          | Reservoir-1   | 258207  |         |             |                          |     |             |        |     |             |        |     |             |        |              |  |               |
| 02.          | Reservoir-2   | 395854  |         |             |                          |     |             |        |     |             |        |     |             |        |              |  |               |
| 03.          | Reservoir-3   | 109760  |         |             |                          |     |             |        |     |             |        |     |             |        |              |  |               |
| <b>Total</b> |   | <b>763823</b>   |         |             |                          |     |             |        |     |             |        |     |             |        |              |  |               |

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| 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.   |

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| 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.<br><br>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.   |

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| 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> |

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| 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.<br>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.   |

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|        | 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.<br><br>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.<br><br>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. |



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Phone : (O) 0265 - 6131000, 6131001

### ENVIRONMENTAL MONITORING REPORT

#### LABORATORY TEST REPORT – BOILER STACK

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

#### SAMPLE DETAILS

|     |   |                            |   |
|-----|---|----------------------------|---|
| 1.  | Name & Address of Client: M/s. RSPL Ltd.<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway,<br>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:
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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 |



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TC-7099

## 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.<br>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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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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TC-7099

## 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.<br>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 (NOx)          | 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.<br>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 |



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TC-7099

## 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.<br>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

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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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TC-7099

## 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.<br>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

- 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 - 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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TC-7099

## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - AMBIENT

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

#### 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 – 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 <input checked="" type="checkbox"/> | Filter Paper: Packed <input checked="" type="checkbox"/> | Bladder: Clamped <input checked="" type="checkbox"/> |
| 17. Environment Condition:   | Temp: Normal   | Humidity: Medium   | Wind speed: Moderate                                 |
|  | Rain: No Rain  | Wind Direction: Cross wind                               | Cloud cover: Partly Cloudy                           |
| 18. Sample Received Date: 04.10.2021   | Wind blowing from: WNW                                       |  |  |
|  |  |  | Station category: Industrial                         |

#### 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>  | 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    |

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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TC-7099

## ENVIRONMENTAL MONITORING REPORT

### LABORATORY TEST REPORT - AMBIENT

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

#### 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 <input checked="" type="checkbox"/>                 | Filter Paper: Packed <input checked="" type="checkbox"/> | Bladder: Clamped <input checked="" type="checkbox"/> |
| 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.     | 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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  - 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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TC-7099

## 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.  |  |  |  |                        |
| 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 <input checked="" type="checkbox"/> | Filter Paper: Packed <input checked="" type="checkbox"/> | Bladder: Clamped <input checked="" type="checkbox"/> |                        |
| 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.     | 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

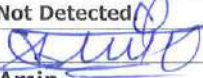
### LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP21/136/12

#### SAMPLE DETAILS

|  |   |                            |                        |                              |
|--|---|----------------------------|------------------------|------------------------------|
| 1. Name & Address of Client: M/s. RSPL Ltd.<br>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   | 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   |   |                            |                        |                              |

#### 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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-----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 ✓       |
| 17. Environment Condition:   |  | Temp: Normal   | Humidity: Moderate           |
| Rain: No Rain  |  | Wind speed: Smooth   | Cloud cover: Clear sky       |
|  |  | 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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## 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 ✓       |
| 17. Environment Condition:   |  | Temp: Normal                                | Humidity: Medium | Wind speed: Moderate         |
| Rain: No Rain  |  | Wind Direction: Up wind                     |                  | Cloud cover: Clear sky       |
|  |  | 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 |  |                         |

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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 – OUTFALL EFFLUENT SAMPLE

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

#### SAMPLE DETAILS

|     |   |     |   |
|-----|---|-----|---|
| 1.  | Name & Address of Client: M/s. RSPL Ltd.<br>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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-----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.,<br>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 – 136SE21EF02  | 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: 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

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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 |



TC-7099

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## 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.,<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka -<br>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 :

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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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Phone : (O) 0265 - 6131000, 6131001



## 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.,<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka –<br>Dwarka Dist.: Dev Bhumi Dwarka Pin : 361335. |    |  |
| 2  | Sample ID: 2147268246 –136SE21N002  | 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<br>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

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-----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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TC-7099

## 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.,<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka –<br>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

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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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TC-7099

## 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.,<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka -<br>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 9989: 1981 |
| 07.00 AM   | 73.1              | 23.00 PM     | 72.9              | IS 9989: 1981 |
| 08.00 AM   | 74.7              | 24.00 PM     | 70.6              | IS 9989: 1981 |
| 09.00 AM   | 71.6              | 01.00 AM     | 71.1              | IS 9989: 1981 |
| 10.00 AM   | 68.4              | 02.00 AM     | 68.7              | IS 9989: 1981 |
| 11.00 AM   | 70.5              | 03.00 AM     | 69.8              | IS 9989: 1981 |
| 12.00 PM   | 72.1              | 04.00 AM     | 67.3              | IS 9989: 1981 |
| 13.00 PM   | 73.8              | 05.00 AM     | 65.2              | IS 9989: 1981 |
| 14.00 PM   | 75.4              | 06.00 AM     | 63.5              | IS 9989: 1981 |
| 15.00 PM   | 77.2              |              |                   | IS 9989: 1981 |
| 16.00 PM   | 79.6              |              |                   | IS 9989: 1981 |
| 17.00 PM   | 78.8              |              |                   | IS 9989: 1981 |
| 18.00 PM   | 80.1              |              |                   | IS 9989: 1981 |
| 19.00 PM   | 76.5              |              |                   | IS 9989: 1981 |
| 20.00 PM   | 75.7              |              |                   | IS 9989: 1981 |
| 21.00 PM   | 72.9              |              |                   | IS 9989: 1981 |
| 22.00 PM   | 74.1              |              |                   | IS 9989: 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

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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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TC-7099

## 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.,<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka -<br>Dwarka Dist.: Dev Bhumi Dwarka Pin : 361335. |    |  |
| 2  | Sample ID: 2147268246 -136SE21N005  | 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

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-----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.,<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd.Dwarka-Porbandar Highway.Village : Kuranga Taluka –<br>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.<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway,<br>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 <input checked="" type="checkbox"/> | Thimble:Packed <input checked="" type="checkbox"/> | 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 - *Sapana Amin*

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 |



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 – STACK

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

#### SAMPLE DETAILS

|     |   |  |   |
|-----|---|--|---|
| 1.  | Name & Address of Client: M/s. RSPL Ltd.<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway,<br>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 <input checked="" type="checkbox"/> | Thimble:Packed <input checked="" type="checkbox"/> 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 |



# KADAM ENVIRONMENTAL CONSULTANTS

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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.<br>Survey No 471, Near Marvelore Mining & Allied Industries Pvt.Ltd. Dwarka-Porbandar Highway, Village : Kuranga,<br>Taluka – Dwarka, Dist.: Dev Bhumi Dwarka Pin : 361335. |    |  |
| 2.  | Sample ID: 2147268246 – 064OC21NO01  | 3. | Client Representative: Mr. Pankaj Sharma |
| 4.  | Sample Date: 11.10.2021  | 5. | Sample Collected By: Mr. Bharat Patel    |
| 6.  | Analysis commenced on: 11.10.2021  | 7. | Analysis Completed on: 11.10.2021        |
| 8.  | Reporting Date: 29.10.2021   | 9. | Sampling Location : D.G. Sets            |
| 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.

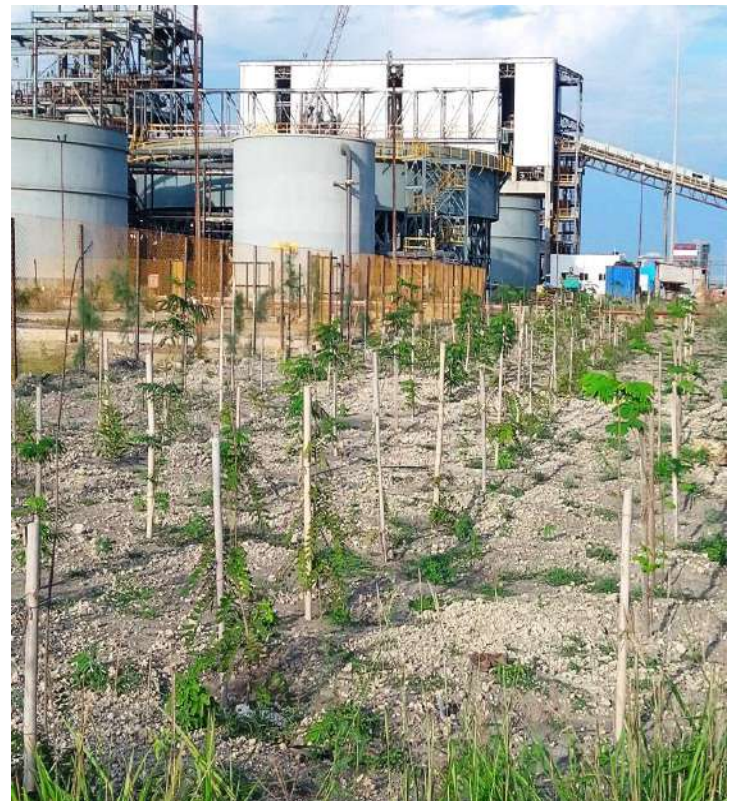
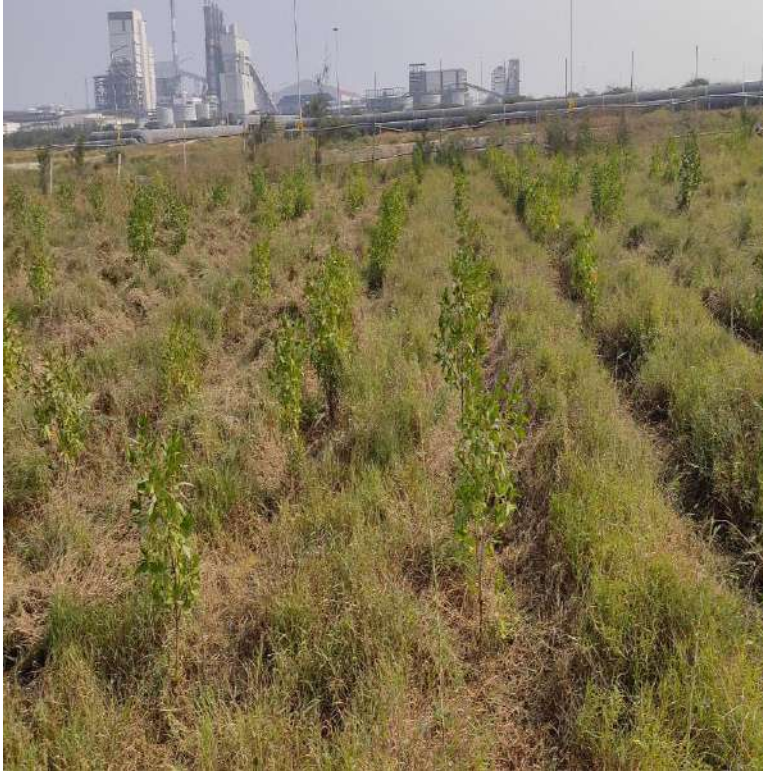
Plantation growth status



Annexure-2



## Annexure-2



**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>   |

**ભોરાપૂર ભૂમિ**  
૬૦૯૬

**BREAKING  
NEWS**

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



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



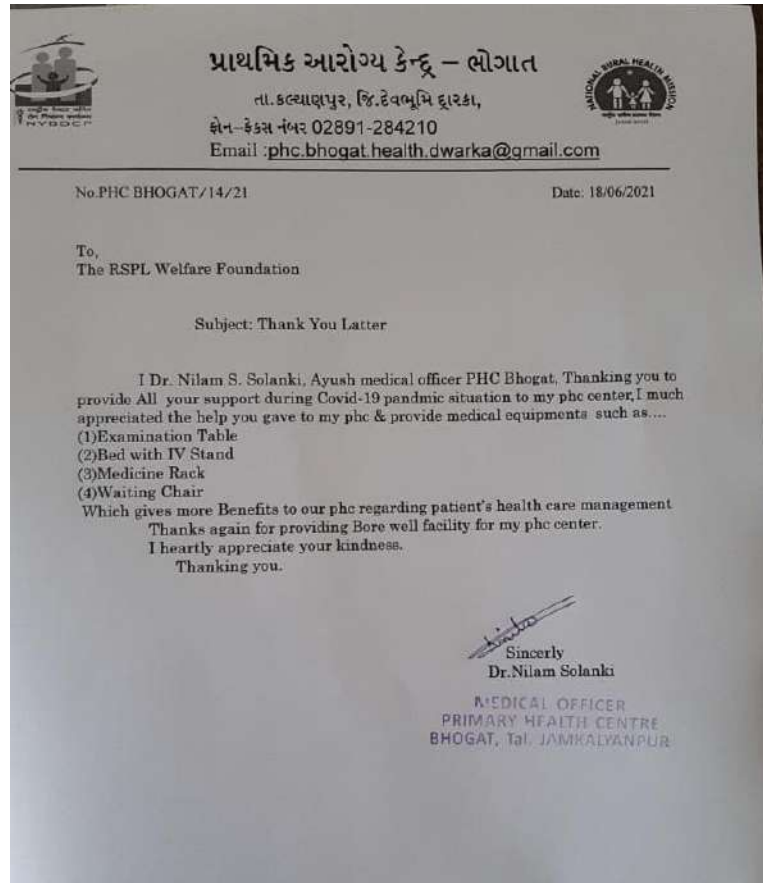
**Installed 9KL Capacity Oxygen Tank alongwith Vaporizer system at Khambhalia General Hospital to combat Covid-19 pandemic**



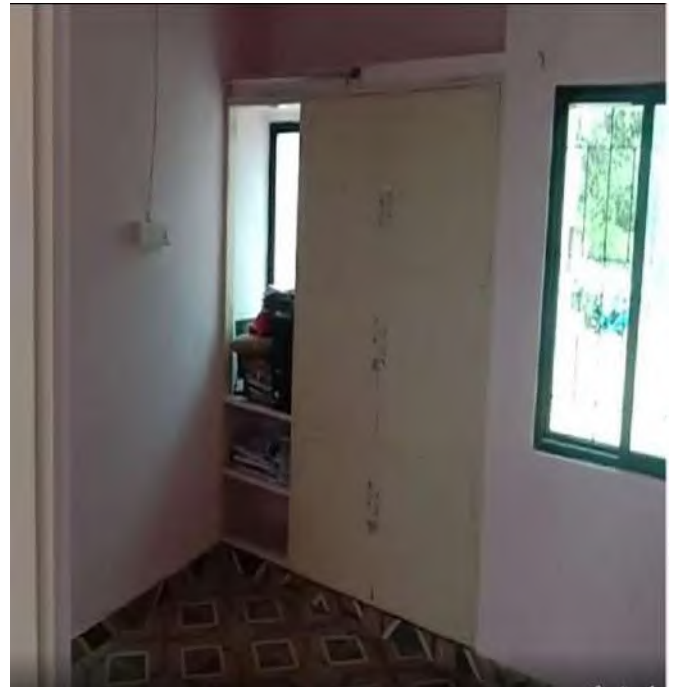
**Distribution of food packets in nearby affected villages during Cyclone Tauktae on Gujarat Coast**



**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**



**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**

મામલતદાર અને એક્ઝિક્યુટીવ મેજિસ્ટ્રેટની કચેરી,  
ઓખામંડળ દ્વારકા

સરનામું :- વાઈડ કલેક્ટની વાજમાં ઓખામંડળ દ્વારા ડેલીવ્રેશન નં. ૦૨૮૦૧-૨૩૪૫૪૧  
Email :- mam-okhamandal@gujarat.gov.in

નં.વહવાવશી/૧૭૮/૨૦૨૧ **::Acknowlegment::** તા.૧૭/૦૮/૨૦૨૧

પતિ,  
મેનેજરશ્રી  
આર.એસ.પી.એલ.લી.  
મુ.કુરંગા તા.દ્વારકા

વિષય :- ૧૫મી ઓગસ્ટ, ૨૦૨૧ ના રાષ્ટ્રીય પર્વ નિમિત્તે આપના દ્વારા મોકલવામાં આવેલ ગિફ્ટ બાબત

ઉપરોક્ત વિષય અન્વયે જણાવવાનું કે ૧૫મી ઓગસ્ટ, ૨૦૨૧ નિમિત્તે આપના દ્વારા સ્વાતંત્ર્યતા દિવસ ની પુર્વ સંધ્યાએ ઉજવવામાં આવેલ સાંસ્કૃતિક કાર્યક્રમ દરમિયાન ભાગ લીધેલ ૩૦(ત્રીસ) જેટલી બાળાઓને આપના દ્વારા આપવામાં આવેલ ગિફ્ટ મળી ગયેલ છે તેમજ જે તમામ ગિફ્ટ બાળાઓને વિતરણ કરી આપવામાં આવેલ છે જેની જાણ બદલ આ એકનોલેડ્જમેન્ટ આપવામાં આવેલ છે. જેનાથી વિદિત થવા વિનંતી છે.

મામલતદાર  
દ્વારકા

**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).<br>A. Environmental Clearance: MoEFCC, New Delhi had accorded consolidated EC-CRZ Clearance vide letter dated 12.11.2015 and<br>B. Forests & Environment Department (DoEF), Gandhinagar/ Gujarat Coastal Management Zone Authority, Gandhinagar had issued necessary recommendation vide letter dated 17.12.2014.<br>C. Forest Clearance: MoEFCC, Bhopal vide letter dated 31.08.2015 and 30.12.2015 had issued Stage-I and Stage- |

**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  |
|---------|--|--|
|         |  | <p>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.</p>   |
| 7.      | <p>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.</p>  | <p>The return once through cooling water is being mixed with Process effluent and further diluted treated &amp; 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.</p>  |
| 8.      | <p>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>   | <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.      | <p>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.</p> | <p>Noted.</p>  |

**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:<br>1) RSPL/CCG/VKG/ENV-002/036/2021-22 dated 08.07.2021<br>2) RSPL/CCG/VKG/ENV-002/104/2020-21 dated 30.11.2020<br>3) RSPL/CCG/VKG/ENV-002/001/2020-21 dated 30.05.2020<br>4) RSPL/CCG/VKG/ENV-002/013/2019-20 dated 19.11.2019<br>5) RSPL/CCG/VKG/ENV-002/013/2019-20 dated 12.05.2019<br>6) RSPL/CCG/VKG/ENV-002/116/2018-19 dated 12.12.2018<br>7) RSPL/CCG/VKG/ENV-002/042/2018-19 dated 15.06.2018<br>8) RSPL/CCG/VKG/ENV-002/095/2017-18 dated 04.12.2017<br>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<br>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.                         |

**Consented quantities as per CCA and EC are as below:**

| <b>SR.NO</b> | <b>NAME OF PRODUCT</b> | <b>CAPACITY MT/MONTH</b> |
|--------------|------------------------|--------------------------|
| 1            | Light Soda Ash         | 1500 TPD                 |
| 2            | Dense Soda Ash         | 770 TPD                  |

**Details of products manufactured till date:**

| <b>Month &amp; Year<br/>2020-21</b> | <b>Light Soda Ash (MT)</b> |                |                |                |
|-------------------------------------|----------------------------|----------------|----------------|----------------|
|                                     | <b>2018-19</b>             | <b>2019-20</b> | <b>2020-21</b> | <b>2021-22</b> |
| <b>April</b>                        | -                          | 11874          | 644            | 39485          |
| <b>May</b>                          | -                          | 8225           | 24937          | 30390          |
| <b>June</b>                         | -                          | 2026           | 33339          | 31431          |
| <b>July</b>                         | -                          | 15870          | 29142          | 37408          |
| <b>August</b>                       | -                          | 17410          | 35100          | 40713          |
| <b>September</b>                    | -                          | 20533          | 32055          | 30330          |
| <b>October</b>                      | 103.75                     | 22353          | 39199          | 36668          |
| <b>November</b>                     | 2272                       | 22597          | 37147          | 38801          |
| <b>December</b>                     | 5441                       | 24001          | 37206          | 40424          |
| <b>January</b>                      | 10172                      | 32164          | 40793          | 40670          |
| <b>February</b>                     | 9145                       | 33192          | 32764          | -              |
| <b>March</b>                        | 16520                      | 30023          | 28624          | -              |
| <b>TOTAL</b>                        | <b>43653.75</b>            | <b>240288</b>  | <b>370950</b>  | <b>366320</b>  |



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector 10-A, Gandhinagar 382010

Phone : (079) 23226295

Fax : (079) 23232156

website : www.gpcb.gov.in

**"Consent to Establish"**

**CTE NO: 63789**

NO: GPCB/CCA-JMN-1071/GPCB-ID-43851/ 221836

DATE 12/8/2014

TO,  
RSPL LIMITED (43851),  
PLOT NO: 237/P3, 242/P1, 243, 245, 247/P1, 251/P3, 256 etc,  
NEAR NH-8E, KURANGA,  
TAL:- DWARKA,  
DIST: DEVBHUMI DWARKA.

SUB: Consent to Establish under Section 25 of Water Act 1974 and Section 21 of Air Act 1981  
REF: Your application No. 79064, dated 26/03/2014

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants **Consent to Establish** for setting up of industrial plant/activities at **PLOT NO: 237/P3, 242/P1, 243, 245, 247/P1, 251/P3, 256 etc, NEAR NH-8E, KURANGA, TAL:- DWARKA, DIST: DEVBHUMI DWARKA.** for the manufacturing of the following items.

| Sr. No. | Product                               | Capacity      |
|---------|---------------------------------------|---------------|
| 1       | Soda Ash (Light Soda Ash)             | 46500.00 MT/M |
| 2.      | Soda Ash (Dense Soda Ash)             | 23870.00 MT/M |
| 3.      | Steam (3. Nos. CFBC Boilers)          | 450.0 TPH     |
| 4.      | Power                                 | 50.000 MW     |
| 5.      | Power generation by Emergency DG sets | 6.00 MW       |

**THIS CONSENT TO ESTABLISH (NOC) IS SUBJECT TO THE FOLLOWING CONDITIONS .**

- 1 The Validity period of the order will be Five YEARS i.e. 29/07/2019.  
CTE NO: 63789

**1. SPECIFIC CONDITIONS:-**

- (A) The industry shall obtain Environment Clearance from the competent Authority and shall not start any activity without obtaining Environment Clearance.  
(B) Industry shall have to obtain necessary permissions from the Marine National Park / Wild life Board if necessary.

**2. CONDITIONS UNDER THE WATER ACT:**

- 2.1 The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations shall not exceed 599100 KLPD.  
2.2 The quantity of the domestic waste water (sewage) shall not exceed 80.00 KLPD.

**Clean Gujarat Green Gujarat**

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

### 2.3. TRADE EFFLUENT:

2.3.1 The industrial effluent shall conform to the following standards.

| PRAMETERS                    | GPCB NORMS  |
|------------------------------|---|
| pH                           | 6.5 to 9.0  |
| Temperature                  | Not exceed 5 <sup>0</sup> above the ambient temperature of the receivinbg body. |
| Colour(pt.co.scale) in units | 100 units   |
| Suspended Solids             | 1000 mg/l*  |
| Oil and Grease               | 5 mg/l  |
| Ammonical Nitrogen           | 50 mg/l   |
| Bio Assay Test               | 90% survival of the fish after 96 hours in 100% effluent.**                     |

\*The diffuser system shall be located in conformity with the Coastal Regulation Zone Notification, 2011 at minimum depth of 5 meters below low tide level and with exit velocity for effluent more than 3 meter/sec.

\*\* The Bio assay test shall conduct as per IS6582-1971.

- All efforts shall be made to remove color and unpleasant Odour as far as possible.

2.3.2 The treated effluent conforming to the above environmental standards shall be discharged into Arabian Sea as per the NIO recommended point.

2.3.3 Domestic effluent shall be treated through STP Separately to conform following standards and shall dispose on land for plantation/ green belt development.

|                                   |                   |
|-----------------------------------|-------------------|
| BOD(5 days at 20 <sup>0</sup> C ) | Less than 20 mg/l |
| Suspended Solids                  | Less than 30 mg/l |
| Residual Chlorine                 | Minimum 0.5 ppm   |

### 3. CONDITIONS UNDER THE AIR ACT:

3.1 The following shall be used as fuel.

| Sr.No. | Fuel                 | Quantity                |
|--------|----------------------|-------------------------|
| 1      | Coal/ Coke (Process) | 5220 MT/Month           |
| 2      | Coal/ Lignite (CPP)  | 54000 to 81000 MT/Month |
| 3      | H.S.D.               | 7.5 KL/DAY              |

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

| Stack No. | Stack attached to          | Stack height in Meter | APC Measure            | Parameter  | Permissible Limit                           |
|-----------|----------------------------|-----------------------|------------------------|--|---|
| 1.        | Boiler- 3 Nos common stack | 122                   | ESP (with each Boiler) | Particulate matter<br>SO <sub>2</sub><br>NO <sub>x</sub> | 150 mg/NM <sup>3</sup><br>100 ppm<br>50 ppm |
| 2.        | D. G. Sets (3 Nos)         | 30 each               | --                     | Particulate matter<br>SO <sub>2</sub><br>NO <sub>x</sub> | 150 mg/NM <sup>3</sup><br>100 ppm<br>50 ppm |

*Trish*



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- 3.3 Process emission from the manufacturing process as well as any other ancillary process shall conform the following standards.

| Stack No. | Stack attached to         | Stack height in Meter | APC Measure               | Parameter          | Permissible Limit                           |
|-----------|---------------------------|-----------------------|---------------------------|--------------------|---|
| 1.        | Ammonia recovery System   | 42                    | Water scrubbers           | NH <sub>3</sub>    | 175 mg/NM <sup>3</sup>                      |
| 2.        | Filtration / Calcinations | 37                    | Water scrubbers           | NH <sub>3</sub>    | 175 mg/NM <sup>3</sup>                      |
| 3.        | Kilns (5 Nos)             | 68 each               | Scrubber (with each Kiln) | Particulate matter | 150 mg/NM <sup>3</sup><br>100 ppm<br>50 ppm |
| 4.        | Lime grinding System      | 65                    | Bag Filter                | Particulate matter | 150 mg/NM <sup>3</sup>                      |
| 5.        | Densification             | 43                    | Scrubber                  | Particulate matter | 150 mg/NM <sup>3</sup>                      |

- 3.4. Ambient air quality within the premises of the industry shall conform to the following standards: -

| PARAMETERS                                   | PERMISSIBLE LIMIT           |                              |
|--|-----------------------------|------------------------------|
|  | Annual                      | 24 Hrs Average               |
| Particulate Matter-10 (PM <sub>10</sub> )    | 60 Microgram/M <sup>3</sup> | 100 Microgram/M <sup>3</sup> |
| Particulate Matter- 2.5 (PM <sub>2.5</sub> ) | 40 Microgram/M <sup>3</sup> | 60 Microgram/M <sup>3</sup>  |
| SO <sub>2</sub>                              | 50 Microgram/M <sup>3</sup> | 80 Microgram/M <sup>3</sup>  |
| NO <sub>x</sub>                              | 40 Microgram/M <sup>3</sup> | 80 Microgram/M <sup>3</sup>  |

- 3.5. All measures for the control of environmental pollution shall be provided before commencing production.

#### 4. CONDITIONS UNDER HAZARDOUS WASTE:

- 4.1. Applicant shall have to comply with provisions of Hazardous Waste (Management & Handling) Rule-1989 as amended from time to time.
- 4.2. The applicant shall obtain membership if required of common TSDF site for disposal of Haz. Waste as categorized in Hazardous Waste (Management & Handling) Rule-1989 as amended from time to time.
- 4.3. The applicant shall obtain membership of common Haz. Waste incinerator for disposal of incinerable waste.

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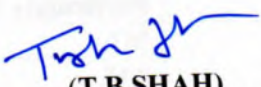
*Tsh*

4.4. The applicant shall provide temporary storage facilities for each type of Haz.Waste as per Hazardous Waste (Management, Handling and Transboundary Movement) Rule-2008 as amended from time to time

5. **GENERAL CONDITION :**

- 5.1. Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.
- 5.2. The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
- 5.3. In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.
- 5.4. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
- 5.5. The applicant also comply with the General conditions as per Annexure - I attached herewith (No.1 to 38) (Whichever applicable).
- 5.6. The concentration of Noise in ambient air within the premises of industrial unit shall not exceed Following levels:  
Between 6 A.M. and 10 P.M.: 75 dB(A)  
Between 10 P.M. and 6 A.M. : 70 dB(A)
- 5.7. Applicant is required to comply with manufacturing, Storage and Import of Hazardous Chemicals Rules- 1989 framed under the Environment (Protection) Act-1986.
- 5.8. If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property .in that case they are obliged to pay the Compensation as determined by the competent authority.
- 5.9. The applicant shall have to provide the Display Board as per the Supreme Court Order.

For and on Behalf of  
**GUJARAT POLLUTION CONTROL BOARD**

  
(T.B.SHAH)  
**ENVIRONMENTAL ENGINEER**



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

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Fax : (079) 23232156

Website : www.gpcb.gov.in

NO: PC/ CCA-JMN-1071(3)/ID-43851/523879

DATE: 9/10/19

To:

M/S RSPL LIMITED. (43851),

PLOT NO: 237/P3, 242/P1, 243, 245, 247/P1, 251/P3, 256 ETC.,

NEAR NH-8E, KURUNGA,

KURUNGA - 361335

TAL: DWARKA, DIST: DEVBHOOMI DWARKA.

**SUB:** Amendment in Consent to Establish of the Board.

**REF:** (1) CTE order No CTE NO.63789 issued vide letter No. PC/CCA-JMN-1071/ID-43851/221836 Dated 12/08/2014.

(2) Your request for validity extension.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 3(c) & 5(5) of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules-2008 & framed under the Environment (Protection) Act-1986. The Board has granted **CTE NO.63789** and issued on 12/08/2014 vide letter No PC/CCA-JMN-1071/ID-43851/221836 Dated 12/08/2014.

**The validity of the said CTE order is amended as below.**

1. The validity of CTE mentioned at condition No.1 of the said CTE order is extended up to **29/07/2024**.
2. The rest of the conditions of the above referred CTE order no.63789 issued vide letter No. PC/CCA-JMN-1071/ID-43851/221836 Dated 12/08/2014 shall remain unchanged. You are directed to comply these conditions judiciously.

For and on behalf of  
Gujarat Pollution Control Board

(G.H. TRIVEDI)

Senior Environmental Engineer



## GUJARAT POLLUTION CONTROL BOARD

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By R.P.A.D.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous and other Waste (Management and Transboundary movement) Rules'2016 framed under the Environment (Protection) Act-1986.

And whereas Board has received consolidated consent application Inward No.144501 dated 08/09/2018 for the Consolidated Consent and Authorization (CC&A) of this Board under the provisions/rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

### CONSENTS & AUTHORIZATION:-

(Under the provisions /rules of the aforesaid environmental acts)

To,

M/s. RSPL Limited (ID-43851),

Plot No. 237/P3, 242/P1, 243, 245 247/P1, 251/P3, 256 etc,

Near NH-8E, Kuranga, Taluka: Dwarka, District: Dev Bhumi Dwarka, Gujarat – 361335.

1. Consent Order No. AWH-99205 date of Issue: 04/02/2019
2. The consent shall be valid up to 21/10/2023 for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/products:

| Sr. No. | Product                     | Capacity          |
|---------|-----------------------------|-------------------|
| 1.      | Soda Ash (Light Soda Ash)   | 23250.00 MT/MONTH |
| 2.      | Steam (3 Nos. CFBC Boilers) | 450 TPH           |
| 3.      | Power                       | 50.00 MW          |

#### Specific conditions:

- Applicant shall comply with the conditions of Environment Clearance issued by the MOEF & CC vide letter no. J-11011/247/2012-IA II (I) dated 12.11.2015.
  - Applicant shall comply with the coal handling guide lines.
  - Applicant shall provide OCEMS (online continuous Emission monitoring System) for Air and Water within three months of issuance of this Order.
  - Applicant shall not discharge saline water on land within or outside factory premises. It shall be discharged at point suggested by NIO.
3. CONDITIONS UNDER THE WATER ACT 1974:
    - 3.1 Source of water: - Sea water as well as Bore well.

- 3.2 The quantity of the Sea water consumption for Cooling tower make up shall not exceed **384000 KL/Day, manufacturing process shall not exceed 5250 KI/Day and R.O./D.M. plant feed water shall not exceed 24000 KI/Day.**
- 3.3 The quantity of the fresh water consumption for domestic purpose shall not exceed **10 0KL/Day**
- 3.4 The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations shall not exceed 381575 KLPD.
- 3.5 The quantity of the domestic waste water (sewage) shall not exceed 80 KLPD.
- 3.6 Sewage shall be disposed on land for gardening and plantation after treatment is STP.

**3.7 TRADE EFFLUENT:**

- 3.7.1 The applicant shall provide adequate effluent treatment system in order to achieve the quality of the treated effluent as per norms mentioned below.

| Sr. No. | PARAMETER                         | PERMISSIBLE LIMIT   |
|---------|-----------------------------------|---|
| 1.      | pH                                | 6.5 to 9.0  |
| 2.      | Temperature                       | Not exceeding 5 °C above the ambient temperature of the receiving body. |
| 3.      | Colour (pt.co.scale) in units     | 100 units   |
| 4.      | Suspended Solids                  | 1000 mg/l   |
| 5.      | Oil and Grease                    | 5 mg/l  |
| 6.      | Ammonical Nitrogen                | 50 mg/l   |
| 7.      | Bio Assay Test as per IS6582-1971 | 90% survival of the fish after 96 hours in 100% effluent*               |

- 3.3.2 The final treated effluent conforming to the above environmental standard shall be discharge into Arabian Sea as per the NIO recommended point at lat: 22°0'39.51"N, Long: 69°9'7.01"E with multiport diffuser system.
- 3.3.3 Domestic effluent shall be treated through Septic Tank/ Soak Pit/ STP separately to conform following standards and shall be utilized for plantation/ green belt development / dust suppression.

| Sr. No. | Parameter             | Permissible Limit        |
|---------|-----------------------|--------------------------|
| 1.      | pH                    | 6.5 – 9.0                |
| 2.      | BOD (3 days at 27 °C) | Less than 30 mg/l        |
| 3.      | Suspended Solids      | Less than 100mg/l        |
| 4.      | Fecal coliform        | Less than 1000 MPN/100ml |

**4. CONDITIONS UNDER AIR ACT:**

- 4.1 The following shall be used as fuel.

| Sr. No. | Fuel                | Quantity                |
|---------|---------------------|-------------------------|
| 1.      | Coal/Coke (Process) | 5220 MT/Month           |
| 2.      | Coal/Lignite (CPP)  | 54000 to 81000 MT/Month |
| 3.      | HSD                 | 7.5 KL/Day              |

- 4.2 The applicant shall install & operate air pollution control system in order to achieve norms prescribed below.
- 4.2.1 The flue gas emission through stack shall conform to the following standards:



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| Sr. No. | Stack attached to | Stack height in Meter | APCM                  | Parameter  | Permissible Limit  |
|---------|-------------------|-----------------------|-----------------------|--|--|
| 1.      | Boilers (3Nos.)   | 122 (common stack)    | ESP (For each boiler) | Particulate Matter<br>SO <sub>2</sub><br>NO <sub>x</sub><br>Mercury (Hg) | 30 mg/NM <sup>3</sup><br>100 mg/NM <sup>3</sup><br>100 mg/NM <sup>3</sup><br>0.03 mg/NM <sup>3</sup> |

4.2.2 There shall be process emission through various stacks/ vent of reactors, process, vessel shall confirm to the following standards:

| Sr. No. | Stack attached to            | Stack height in Meter | APCM                       | Parameter  | Permissible Limit                             |
|---------|------------------------------|-----------------------|----------------------------|--|---|
| 1.      | Kilns (4 Nos)                | 68 (with each kiln)   | Scrubber and ESP in series | Particulate Matter<br>SO <sub>2</sub><br>NO <sub>x</sub> | 150 mg/ NM <sup>3</sup><br>100 ppm<br>100 ppm |
| 2.      | Ammonia Recovery System-1 No | 42                    | Water Scrubbers            | NH <sub>3</sub>  | 175 mg/Nm <sup>3</sup>                        |
| 3.      | Filtration/ Calcination      | 37                    | Water Scrubbers            | NH <sub>3</sub>  | 175 mg/Nm <sup>3</sup>                        |
| 4.      | Lime Grinding System-3 No.   | 65                    | Bag Filter                 | Particular Matter  | 150 mg/Nm <sup>3</sup>                        |

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

| Sr. No. | Parameter                                   | Permissible Limit Annual | Permissible Limit 24 hrs. Average |
|---------|---|--------------------------|-----------------------------------|
| 1.      | Particulate Matter-10 (PM <sub>10</sub> )   | 60 µg/Nm <sup>3</sup>    | 100 µg/Nm <sup>3</sup>            |
| 2.      | Particulate Matter-2.5( PM <sub>2.5</sub> ) | 40 µg/Nm <sup>3</sup>    | 60 µg/Nm <sup>3</sup>             |
| 3.      | SO <sub>2</sub>                             | 50 µg/Nm <sup>3</sup>    | 80 µg/Nm <sup>3</sup>             |
| 4.      | NO <sub>x</sub>                             | 40 µg/Nm <sup>3</sup>    | 80 µg/Nm <sup>3</sup>             |

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

- 4.2.5 The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(A) during day time and 70dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

**5. AUTHORIZATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES (SEE RULE 6(2) Form for grant of authorization for occupier or operator handling hazardous waste.**

**5.1 Number of Authorization: AWH 99250, Date of Issue: 04/02/2019**

M/s. RSPL Limited is hereby granted an authorization to operate facility for following hazardous waste on the premises situated at Plot No. 237/P3, 242/P1, 243, 245 247/P1, 251/P3, 256 etc, Near NH-8E, Kuranga, Taluka: Dwarka, District: Dev Bhumi Dwarka, Gujarat – 361335.

| Sr. No. | Waste                | Quantity                         | Schedule-I Process No. | Facility  |
|---------|----------------------|----------------------------------|------------------------|---|
| 1.      | Used Oil / Waste Oil | 2.75 MT/Year                     | 5.1                    | Collection, Storage, Transportation, Disposal by selling to registered Re processors/Recyclers. |
| 2.      | Discarded Containers | 0.450 MT/Year                    | 33.1                   | Collection, Storage, and disposal by selling to authorized recyclers for Decontamination.       |
| 3.      | Spent Resin          | 13.520 MT/Year (Once in 5 years) | 35.2                   | Collection, Storage, Transportation, Disposal at CHWIF site.                                    |

- 5.1.1 The authorization is granted to operate a facility for collection, storage within factory premises transportation and ultimate disposal of Hazardous wastes by disposed it through registered recyclers or authorized CHWIF facility.
- 5.1.2 The Industry shall have to comply with provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and as amended time to time.
- 5.1.3 The Industry shall provide temporary storage facility for each type of Hazardous Waste as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended from time to time.

**6. GENERAL CONDITIONS:**

- 6.1 The Industry shall comply with the provisions of the Environment (Protection) Act – 1986 and the rules made there under.
- 6.2 All the conditions & provisions under the Water Act 1974, the Air Act 1981 and the Environment (Protection) Act 1986 and the rules made there under shall be complied with.
- 6.3 All the conditions & provisions under the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2016 as amended shall be complied.



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- 6.4 In case of change of ownership/management the name and address of the new owners/ partners/ directors/proprietor or equipment or working conditions as mentioned in the consents form / order should immediately be intimated to the Board.
- 6.5 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this board.
- 6.6 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.
- 6.7 Industry shall have to display data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emissions and hazardous wastes generated within the factory premises.

FOR AND ON BEHALF OF  
GUJARAT POLLUTION CONTROL BOARD



(G.H. TRIVEDI)

SR. ENVIRONMENTAL ENGINEER

No. GPCB/CCA-JMM-107/ED-4385/494922

ISSUED TO:

M/s. RSPL Limited (ID-43851),

Plot No. 237/P3, 242/P1, 243, 245 247/P1, 251/P3, 256 etc,

Near NH-8E, Kuranga, Taluka: Dwarka, District: Dev Bhumi Dwarka, Gujarat – 361335.

Date: 16.2.2019



# GUJARAT POLLUTION CONTROL BOARD

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Sector-10-A, Gandhinagar 382 010

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Website : www.gpcb.gov.in

NO: PC/CCA-JMN-1071(3)/ID-43851/523878

Date: 9/10/19

TO,

M/s. RSPL Limited (ID-43851),

Plot No. 237/P3, 242/P1, 243, 245, 247/P1, 251/P3, 256 etc,

Near NH-8E, Kuranga,

Taluka: Dwarka, District: Dev Bhumi Dwarka,

Gujarat – 361335.

SUB: Amendment in the consolidated consent & Authorization of the Board.

REF: 1) Your letter No.-RSPL/CCG/VKG/ENV-004/011/2019-20 dated 08/05/2019.

2) CCA order No AWH-99205 issued vide letter No: GPCB/CCA-JMN-1071/ID-43851/494922 dated:16.02.2019.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under Section 6 of the Hazardous Waste and other waste (Management and Trans boundary Movement) Rules-2016 & framed under the Environment (Protection) Act-1986, The Board has granted CCA order No AWH-99205 issued on 04/02/2019 vide letter No: GPCB/CCA-JMN-1071/ID-43851/494922 dated:16.02.2019. The Board has right to review and amend the conditions of the said CCA.

The said CCA order is further amended as below.

## SUBJECT TO THE FOLLOWING CONDITIONS:-

1. Consent order No: AWH-99205, date of issue: 04/02/2019.
2. The consents shall be valid up to 21/10/2023 for use of outlet for the discharge of trade effluent and emission due to operation of industrial plant for manufacture of the following items:

| Sr. No. | Product   | Existing Quantity | Proposed quantity | Total Quantity |
|---------|---|-------------------|-------------------|----------------|
| 1       | Soda Ash (Light Soda Ash)                                 | 23250 MT/M        | 23250 MT/M        | 46500 MT/M     |
| 2       | Steam (3 Nos. CFBC Boiler)                                | 450 (TPH)         | --                | 450 (TPH)      |
| 3       | Power   | 50 MW             | --                | 50 MW          |
| 4       | Power generation from Emergency DG Set (2500 KVA x 2Nos.) | --                | 5 MW              | 6 MW           |

## SPECIFIC CONDITIONS:

- Unit has to cover Coal yard within one month after issuance of this order.
- Unit has to construct parapet wall near calciner unit within one month.
- Industry has to linked Online continues emission monitoring system with CPCB as well as GPCB server.

### 3. CONDITION UNDER WATER ACT 1974 IS AMENDED AS BELOW.

- 3.1. Water Source: Sea water.
- 3.2. The quantity of the water consumption for industrial purpose shall not exceed 600000 KLPD.
- 3.3. The quantity of the water consumption for domestic purpose shall not exceed 100 KLPD.
- 3.4. The quantity of wastewater generation from the manufacture process & other ancillary industrial operations shall not exceed 599100 KLPD.
- 3.5. The quantity of the domestic waste water (Sewage) shall not exceed 80 KLPD.
- 3.6. Sewage shall be disposed on land for gardening and plantation after treatment in STP.

**Clean Gujarat Green Gujarat**  
ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

### 3.7 TRADE EFFLUENT:

3.7.1 The applicant shall provide adequate effluent treatment system in order to achieve the quality of the treated effluent as per norms mentioned below.

| Sr. No. | PARAMETER                         | PERMISSIBLE LIMIT   |
|---------|-----------------------------------|---|
| 1.      | pH                                | 6.5 to 9.0  |
| 2.      | Temperature                       | Not exceeding 5 °C above the ambient temperature of the receiving body. |
| 3.      | Colour (pt.co.scale) in units     | 100 units   |
| 4.      | Suspended Solids                  | 1000 mg/l   |
| 5.      | Oil and Grease                    | 5 mg/l  |
| 6.      | Ammonical Nitrogen                | 50 mg/l   |
| 7.      | Bio Assay Test as per IS6582-1971 | 90% survival of the fish after 96 hours in 100% effluent*               |

3.7.2 The final treated effluent conforming to the above environmental standard shall be discharge into Arabian Sea as per the NIO recommended point at Lat:22°0'39.51"N, Long:69°9'7.01"E with multiport diffuser system.

3.7.3 Domestic effluent shall be treated through Septic Tank/ Soak Pit/ STP separately to conform following standards and shall be utilized for plantation/ green belt development / dust suppression.

| Sr. No. | Parameter             | Permissible Limit        |
|---------|-----------------------|--------------------------|
| 1.      | pH                    | 6.5 – 9.0                |
| 2.      | BOD (3 days at 27 °C) | Less than 30 mg/l        |
| 3.      | Suspended Solids      | Less than 100mg/l        |
| 4.      | Fecal coliform        | Less than 1000 MPN/100ml |

The condition No- 4.0 of the said CCA order is amended as below.

### 4. CONDITIONS UNDER AIR ACT,1981 IS AMENDED AS BELOW:

4.1. The following shall be used as fuel:

| Sr. No. | Fuel                  | Quantity                |
|---------|-----------------------|-------------------------|
| 1       | HSD                   | 7.5 KL/Day              |
| 2       | Coal / Coke (Process) | 5220 MT/Month           |
| 3       | Coal / Lignite (CPP)  | 54000 to 81000 MT/Month |

4.2. The application shall install & operate air pollution control system in order to achieve norms prescribed below:

4.3. The flue gas emission through stack attached to D.G. Set shall conform to the following standards:

| Stack No. | Stack attached to                    | Stack height in Meter | APC Measure          | Parameter  | Permissible Limit                           |
|-----------|--------------------------------------|-----------------------|----------------------|--|---|
| 1         | Boiler ( 3 Nos. )                    | 122                   | ESP with each Boiler | Particulate matter<br>SO <sub>2</sub><br>NO <sub>x</sub> | 150 mg/NM <sup>3</sup><br>100 ppm<br>50 ppm |
| 1         | D.G. Set (2 Nos.)<br>(2500 KVA each) | 30                    | --                   | Particulate matter<br>SO <sub>2</sub><br>NO <sub>x</sub> | 150 mg/NM <sup>3</sup><br>100 ppm<br>50 ppm |

4.4. Ambient air quality within the premises of the industry shall conform to the following standards.

| PARAMETERS                                   | PERMISSIBLE LIMIT (Microgram/M <sup>3</sup> ) |                |
|--|---|----------------|
|  | Annual  | 24 Hrs Average |
| Particulate Matter-10 (PM <sub>10</sub> )    | 60  | 100            |
| Particulate Matter- 2.5 (PM <sub>2.5</sub> ) | 40  | 60             |
| SO <sub>2</sub>                              | 50  | 80             |
| NO <sub>x</sub>                              | 40  | 80             |



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

- 4.5. The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.
- 4.6. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.
- 4.7. **D.G. Sets Conditions**  
The D.G. Set shall have acoustic enclosure and shall comply With the standards specified at Sr. no. 95 of Schedule-I of the rule-3 of E.P. Rules -1986 and Noise pollution level as per the Air Act-1981.
- a) **D.G. Sets standards:** The flue gas emission through stack attached to D.G. Sets shall conform to the following standards.
- b) The minimum height of stack to be provided with each of the generator set shall be  $H=h + 0.2 (KVA)^{1/2}$ , where H= Total stack height in meter, h= height of the building in meters where or by the side of which the generator set is installed.
- c) Noise from DG set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.
- d) The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side ( if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/ acoustic treatment. Under such circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.
- e) The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB (A).
- f) All efforts shall be made to bring down the noise level due to the D.G. Set, outside the premises, within the ambient noise requirements by proper siting and control measures.
- g) Installation of a D.G. Sets must be strictly in compliance with the recommendations of the D.G. Set manufacturer.
- h) A proper routine and preventive maintenance procedure for the D.G. Set should be set and followed in consultation with the DG Set manufacture which would help prevent noise levels of the DG Set from deteriorating with use.

5. **AUTHORIZATION as per HAZARDOUS AND WASTE (MANAGEMENT, HANDLING AND TRANS BOUNDARY) RULES, 2016 Form-2 [See rule 6 (2)]**

Form for grant of authorization for occupier or operator handling Hazardous waste

5.1 Authorization order No: - AWH-99205 date of Issue: 04/02/2019.

5.2 M/S. RSPL Limited (ID-43851) is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at Plot No. 237/P3, 242/P1, 243, 245, 247/P1, 251/P3, 256 etc, Near NH-8E, Kuranga, Taluka: Dwarka, District: Dev Bhumi Dwarka, Gujarat - 361335.

| SR NO. | Waste                | Category/schedule | Existing Quantity | Proposed Quantity | Facility  |
|--------|----------------------|-------------------|-------------------|-------------------|---|
| 1      | Used Oil / Waste Oil | 5.1               | 2.75 MT/Year      | 5.5MT/Year        | Collection, Storage, Transportation, Disposal by selling to registered Re processors/Recyclers. |



|   |                      |      |  |  |   |
|---|----------------------|------|--|--|---|
| 2 | Discarded Containers | 33.1 | 0.450 MT/Year                          | 0.75 MT/Year                           | Collection, Storage, and disposal by selling to authorized recyclers for Decontamination. |
| 3 | Spent Resin          | 35.2 | 2.704 MT/Year (13.520 Once in 5 years) | 2.704 MT/Year (13.520 Once in 5 years) | Collection, Storage, Transportation, Disposal at CHWIF site.                              |

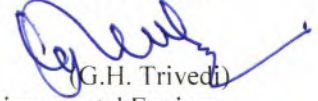
5.3 The authorization shall be valid up to 21/10/2023.

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

5.5 The authorization is granted to operate a facility for collection, storage within factory premises transportation and ultimate disposal of Hazardous wastes as per condition no.6.2 to the industry having valid CCA of this Board.

6. The rest of the conditions of the above referred CCA No. AWH-99205 vide letter No: GPCB/JMN- GPCB/CCA-JMN-1071/ID-43851/494922 dated:16.02.2019 order shall remain unchanged. You are directed to comply with these conditions judiciously.

For and on behalf of  
Gujarat Pollution Control Board



(G.H. Trivedi)  
Senior Environmental Engineer

**NO: PC/CCA-JMN-1071(3)/ID-43851/**

**Date:**

**Issue to:**

**TO,**

**M/s. RSPL Limited (ID-43851),  
Plot No. 237/P3, 242/P1, 243, 245, 247/P1, 251/P3, 256 etc,  
Near NH-8E, Kuranga,  
Taluka: Dwarka, District: Dev Bhumi Dwarka,  
Gujarat – 361335.**

IN THE SUPREME COURT OF INDIA

CIVIL APPELLATE JURISDICTION

CIVIL APPEAL NO. 18901 OF 2017

SUBHANIYA ISMAIL OSMAN ... Appellant

VERSUS

M/S RSPL LIMITED & ORS. ... Respondents

O R D E R

We have heard learned counsel for the parties and have perused the material available on record. We do not find any merit in the appeal and the same stands dismissed.

....., J.  
[ A.K. SIKRI ]

....., J.  
[ ASHOK BHUSHAN ]

New Delhi;  
March 12, 2018.

ITEM NO.10

COURT NO.6

SECTION XVII

S U P R E M E C O U R T O F I N D I A  
RECORD OF PROCEEDINGS

Civil Appeal No. 18901/2017

SUBHANIYA ISMAIL OSMAN

Appellant(s)

VERSUS

M/S RSPL LIMITED & ORS.

Respondent(s)

(With IA No.15234/2018-PERMISSION TO FILE ADDITIONAL DOCUMENTS and  
IA 122927/2017 - FOR EXEMPTION FROM FILING C/C OF THE IMPUGNED  
JUDGMENT)

Date : 12-03-2018 This matter was called on for hearing today.

CORAM :

HON'BLE MR. JUSTICE A.K. SIKRI  
HON'BLE MR. JUSTICE ASHOK BHUSHAN

For Appellant(s)

Mr. Purvish Jitendra Malkan, AOR  
Ms. Dharita Purvish Malkan, Adv.  
Ms. Deepa Gorasia, Adv.  
Ms. Rumi Chanda, Adv.  
Mr. Bhaskar Singh, Adv.

For Respondent(s)

Mr. Kavin Gulati, Sr. Adv.  
Ms. Vasuda Zutshi, Adv.  
Mr. Siddhartha Chowdhury, AOR

UPON hearing the counsel the Court made the following  
O R D E R

The appeal stands dismissed in terms of the signed  
order.

(NIDHI AHUJA)  
COURT MASTER

(MALA KUMARI SHARMA)  
COURT MASTER

[Signed order is placed on the file.]

**BEFORE THE NATIONAL GREEN TRIBUNAL, WESTERN ZONE  
BENCH, PUNE**

Original Application No. 73/2017(WZ)  
Subhaniya Ismail Osman V/s M/s RSPL Ltd. & Ors.  
**CORAM: HON'BLE MR JUSTICE S.P.WANGDI, JUDICIAL MEMBER  
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER**

Present: Applicant/Appellant : None present  
Respondent No.1 : Mr.R.D.Soni Adv  
Mr. Amit Agashe Adv  
Respondent No.2 : Mr. Rahul Garg.Adv a/w  
Ms. Prachi Sawant Adv  
Respondent Guj State : Ms.Supriya Dangare Adv

| Date and Remarks               | Orders of the Tribunal   |
|--------------------------------|--|
| Item No.21<br>July 10,<br>2018 | <p>Pursuant to the directions issued vide order dated 4<sup>th</sup> October, 2017, the National Institute of Oceanography, (NIO) Mumbai, has been monitoring the work of laying underground pipeline in the intertidal and sub-tidal area at the project sites of the Respondent No.1, last of which is for June, 2018.</p> <p>Considering the final conclusion contained in the report, which is a summary of its findings, opining that <i>“as per the water and sediment quality and biological parameters (flora and fauna) results that there was no noticeable impact on marine environment is seen due to construction activity, ”</i> nothing much would be left for consideration in this case except for directing the Respondent No.6, NIO, to continue monitoring the activity of the Respondent No.1 for some more period but, as the Applicant is not present, in our view, it would inappropriate to pass the final order before giving him an opportunity to make his submissions.</p> <p>Let this matter be listed on 27<sup>th</sup> August, 2018 for hearing and disposal.</p> <p><b>List on 27<sup>th</sup> August, 2018.</b></p> <p style="text-align: right;">.....<br/><b>Justice S.P.Wangdi, JM</b><br/>10-7-2018</p> <p style="text-align: right;">.....<br/><b>Dr.Nagin Nanda, EM</b><br/>10-7-2018</p> |
| hkk                            |  |

BEFORE THE NATIONAL GREEN TRIBUNAL, WESTERN ZONE BENCH, PUNE

Original Application No. 73/2017 (WZ)

Subhaniya Ismail Osman

V/s

M/s. RSPL Ltd. & Ors.

To

1. M/s RSPL Limited  
Having Registered Office At 119-121 (Part),  
Block P & T, Fazal Gang, Kalpi Road,  
Kanpur- 208 012  
Respondent No. 1
2. Government of India, Through The Secretary,  
Ministry of Environment, Forest And Climate  
Change, (I. A. Division), Indira Pariyavaran Bhavan,  
Aligarh, Jorbagh Road, New Delhi- 110 003  
Respondent No. 2
3. Government Of Gujarat, Through The Secretary,  
Forest & Environment Department, Block No. 14,  
8<sup>th</sup> Floor, Sachivalaya, Gandhinagar- 382 010  
Respondent No. 3

**NOTICE**

1. The above titled Original Application is posted for **hearing** on **29.05.2017 at 10.30 AM** in the premises of National Green Tribunal, Western Zone Bench, Pune, **New Administrative Building, 'D' Wing, 1<sup>st</sup> Floor, Opp. Council Hall, Camp, Pune.**
2. Please note that you shall make yourself available, or represent through authorized legal representative, on the date and place indicated herein above, in default, the said Application will be heard and determined in your absence.
3. Given under my hand and the seal of this Tribunal, this the 18.05.2017.

  
  
**Assistant (Judicial), NGT**

(For Orders, Cause Lists & other information, please visit our website [www.greentribunal.gov.in](http://www.greentribunal.gov.in))

**BEFORE THE NATIONAL GREEN TRIBUNAL SITTING  
AT PUNE**

**MEMORANDUM OF APPLICATION**

(Under Section 18(1) read with Sections 14,15 of National  
Green Tribunal Act, 2010)

APPLICATION NO. \_\_\_\_\_ OF 2017

WITH

PRAYER OF INTERIM RELIEF

Between:

1. Subhanlya Ismail Osman

**...Applicant**

And

1. M/s RSPL Limited


And Others

**...Respondents**

**PAPER BOOK**

**(FOR INDEX KINDLY SEE INSIDE)**

**JITENDRA MALKAN**  
ADVOCATE FOR THE APPLICANT

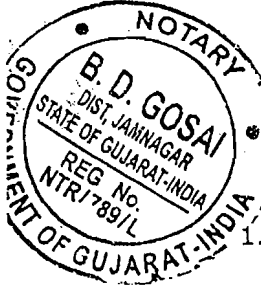
|                         |   |
|-------------------------|---|
| NATIONAL GREEN TRIBUNAL |   |
| P.U. IF                 |   |
| JY. N.                  | 123/17.   |
|                         | 975/17.   |
| Officer                 |  |

**BEFORE THE NATIONAL GREEN TRIBUNAL SITTING AT  
PUNE**

MEMORANDUM OF APPLICATION

(Under Section 18(1) read with Sections 14,15 of National Green  
Tribunal Act, 2010)

Application No. \_\_\_\_\_ of 2017



Between:

1. Subhaniya Ismail Osman  
Residing at Bander road,  
Near Prime P.C.O.  
Salaya  
District Devbhumi Dwarka 361310

**...Applicant**

And

1. M/s RSPL Limited  
Having Registered Office at  
119-121(Part), Block P & T  
Fazal Gang, Kalpi Road,  
Kanpur 208 012
2. Government of India,  
Notice may be served through  
The Secretary,  
Ministry of Environment,  
Forest and Climate Change (I.A. Division)  
Indira Pariyavaran Bhavan  
Aligang, Jorbagh Road,  
New Delhi 110003
3. Government of Gujarat,  
Notice may be served through  
The Secretary,  
Forest & Environment Department,  
Block No. 14,  
8<sup>th</sup> Floor, Sachivalaya,  
Gandhinagar-382010

**...Respondents**

1. The address of the Applicant is as given above for the service of  
notices of this application and that of their representatives.

*[Handwritten Signature]*

*[Handwritten Signature]*  
B. D. GOSAI  
NOTARY

2. The addresses of the Respondents are as given above for service of notices of the application.



3. The Applicant above-named begs to present the Memorandum of Application against Respondents on the grounds set-out hereunder.

**Facts in brief**

1. The applicant before your lordships is a fisherman. He is holding Marine Fishers Identity Card Issued by Government of India through Ministry of Agriculture. He is resident of coastline in District Devbhumi Dwarka in the state of Gujarat. Coastline in the district Devbhumi Dwarka mainly covers Salaya, Okha, Bet Balapar, Kuranga, Rupen, Harshad, Gandhavi and several other villages. More than 25,000 fishermen families are residents of coastline since time immemorial. Annexed hereto marked as **Annexure A** is the copy of the Marine Fishers identity card issued by Government of India to the applicant .

B. D. GOSAI  
NOTARY

24.07.2014 It appears that vide their letter dated 24.07.2014 the RSPL Limited respondent No.1 herein approached Govt. of Gujarat respondent No.3 herein through its Forest and Environment department for seeking recommendation for CRZ clearance for Sea Water intake and effluent disposal facility for their proposed Soda Ash

*(Handwritten signature)*

project (1500 TDP) at Kuranga, taluka Dwarka, district Devbhoomi Dwarka.

17.12.2014



On examination of application submitted by M/s RSPL Limited Respondent No.1 herein the Government of Gujarat respondent No.3 made recommendations to the Government of India through its Ministry of Environment and Forest by its letter dated 17.12.2014 with following observations:

i. Para 8(ix)

*"The aesthetics of the coastal zone off Kuranga would deteriorate due to the presence of construction machinery, materials and left-over solid waste. If the construction is prolonged due to time-overruns or improper planning, the adverse influence would increase accordingly. The birds using the intertidal area around the project site are not expected to be impacted adversely as the limited excavation does not warrant the use of heavy machinery and large vessels. Marine reptiles and mammals would not be affected due to the construction activities since they keep away from such sites. Since there are no major commercial fishing operations close to the shore, the impact on fisheries would be minor."*

B. D. GOSAI  
NOTARY

જાનકા સરખીયા




ii. At para 8 (xxvii)

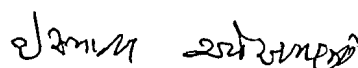
"After detailed discussion and deliberation on the presentation made by the representative of the RSPL Limited, it was decided to obtain various details from the RSPL Limited and accordingly, details were called for from the RSPL Limited the Same have been submitted by the RSPL Limited. As decided in the Technical Committee meeting, members of the Technical Committee carried out site visit of M/s RSPL Limited and based on the site visits the Committee recommends to obtain methodology to be adopted for laying of pipelines in CRZ areas, considering sandy area and also an Action Plan of conservation of Sea Turtle ground, as there is possibility of the existence of sea turtles in this area."

iii. Condition No.5

"The RSPL Limited shall ensure that the laying of pipeline should be avoided during the breeding period of turtles."

  
B. D. GOSAI  
NOTARY

iv. It is further submitted that the Respondent No.3 observed that there is no commercial fishing in the area.





Annexed hereto marked as **Annexure B** is the copy of the letter dated 17.12.2014 whereby the Government of Gujarat respondent No.3 through its Forest and Environment department made recommendations for grant of CRZ permission.

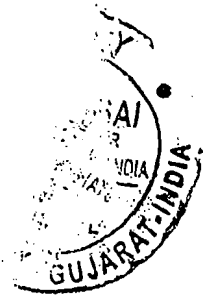
2. Having considered recommendations made by the Government of Gujarat through its Forest and Environment Department which is now at Annexure B, as well as other material placed before it, the Government of India through its Ministry of Environment, Forest and Climate changes (I.A. division) accorded environment clearance and CRZ clearance to the above said project under provisions of EIA Notification dated 14.09.2016 and CRZ Notification 2011 subject to compliance of the specific and general conditions embodied in the clearance letter dated 12.11.2015. Annexed hereto marked as **Annexure C** is the copy of the letter dated 12.11.2015 addressed to Respondent No.1 by Respondent No.2 herein.

*S. D. Gosai*  
S. D. GOSAI  
NOTARY

3. In blatant violation of a condition not to use heavy machinery, M/s RSPL Limited Respondent No.1 herein has installed heavy machinery known as Tug in intertidal area Annexed hereto marked as **Annexure D(Colly)** are the photographs of the machinery called Tug which is itself a heavy machinery endangering ecological

*S. D. Gosai*

equilibrium. It goes without saying that employing such heavy machinery is in blatant violations of the conditions of which the clearance in question was accorded.



4. Similarly, the Respondent No.1 has employed excavation machinery such as Hitachi Costal Builder Barge to carry out excavation work on the land beneath water. Annexed hereto marked as **Annexure E(Colly)** are the copies of the photographs of heavy duty giant size builder Brage employed by the Respondent No.1 to carry out their project.

5. The Respondent No.1 has started its project activities by carrying out under water rock blasting from 07.10.2016 onwards. The respondent No.1 had applied to the Gujarat Maritime Board by their letter dated 03.10.2016 for underwater rock blasting (Near shore area) which was granted by way of an endorsement dated 07.10.2016. Annexed hereto marked as **Annexure F** is the copy of the letter dated 03.10.2016 which contains endorsement dated 07.10.2016.

  
B. D. GOSAI

6. Condition No.5 of the recommendation made by the state government also stipulates that the RSPL Limited shall ensure that the laying of pipeline should be avoided during the breeding period of sea turtles. It's the matter of common knowledge that the breeding period of sea





turtle is from November to March. However, permission more particularly permission dated 07.10.2016 for underwater rock blasting near seashore area which is now at Annexure F would go to show that after obtaining approval for under water rock blasting the Respondent No.1 has commenced their activities of laying pipeline from 15<sup>th</sup> November 2016 or there about itself which is breeding period of sea turtles.

**Grounds:**

1. The applicant most respectfully says and submit that recommendation was made by Government of Gujarat by its letter dated 17.12.2014 opines that the bird using intertidal area around the project is not expected to be impacted adversely as the limited excavation does not warrant the use of heavy machinery and large vessel. In other words the recommendation was made by the Government of Gujarat by its letter dated 17.12.2014 with an implied condition that opposite party no 1 namely M/s RSPL Limited shall not use any heavy machinery or large vessel on the intertidal area. It is stated in the above said letter dated 17.12.2014 that since the opposite party no 1 will not use of heavy machinery and large vessels, therefore the bird using Intertidal area around the project are not expected to **impacted adversely**. Therefore, in a case use of heavy machinery or large vessels, birds using intertidal area

*B. D. Gosai*  
B. D. GOSAI  
NOTARY

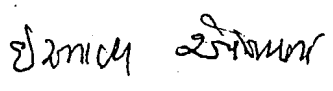
*Shri M. D. ...*



around the project site shall be impacted. Further marine reptile and mammals would also be affected due to construction activities as well as that will impact fishery also or impact on fishery shall not be minor.

2. The applicant state that after obtaining permission as above said on expectation narrated in the letter dated 17.12.2014 from the Government of Gujarat. The Respondent No. 1 has not only used heavy machinery such as giant size Hitachi excavator as well as costal builder barge and tug.
3. Paragraph 2 of the letter dated 17.12.2014 clearly state that the construction if not concluded conducted in a stipulated time and planning there can be minor and local erosion both the sided of the trench due to non-competed sand moving into the trench.
4. It is most respectfully submitted that the condition no 5 of the condition imposed for recommendation prescribe that RSPL limited shall ensure that the lying of the pipe should be avoided during the breeding period of sea turtle. It is matter of common knowledge that breeding period of sea turtle is between Novembers to March of the calendar year. In the present case violation of strict condition as above said the opposite party started activities in the intertidal area in the mid of November 2016.
5. It is most respectfully submitted that the In CRZ permission there is nothing to show that the opposite

  
B. D. GOSAI  
NOTARY





party entitle to carry out under water rock blasting near sour area. It goes without saying that under water sour blasting would adversely affect marine life. However by letter dated 03.10.2016 the opposite party sought permission from Gujarat Marine Board for under water rock blasting near sour area and that was granted. The applicant most respectfully submitted that subject to anything otherwise they have carried out large number of rock blasting which adversely affecting marine line.

6. It is reliably learnt that one Shri Yasinbhai B. Gajjan, Director, Gujarat Fisheries Board (Government of Gujarat) has made representation by his letter in month of February-March 2017 to concern authorities through the Collector, Devbhoomi Dwarka. However the authorities have failed to consider his representation. The applicant craves leave to place on record representation made by said Yasinbhai during the course of hearing.

**Limitation:**

1. The Respondent No.1 has commenced construction activities in the mid of November 2016. As is evident from letter dated 03.10.2016. Therefore the cause of action has arisen in the mid of the month of November 2016.

  
B. D. GOSAI  
NOTARY

*श्री यशिनभाई गज्जान*



2. Limitation for filing this application has started work on or about on 15<sup>th</sup> November 2016. Therefore, the application is quite in time.

**Prayer:**

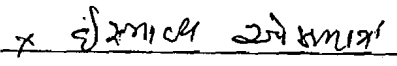
The petitioner therefore prays that your lordship may be pleased to:

1. Direct Respondent No.2 Government of India through its Ministry of Environment and Forest to cancel Environment Clearance and CRZ Clearance accorded to Respondent No.1 for green field Soda Ash Plant (1500/- TDP) alongwith captive power plant (50 MW) at village Kuranga, Ta. Dwarka, Dist. Jamnagar, Gujarat by Respondent No.1 RSPL Limited.
2. Restrain Respondent No.1 perpetually from carrying out further project work in question for having violated various conditions detailed in the complaint.
3. Grant such other and further relief as may be deemed fit in interest of justice.

**Interim Relief.**

1. By way of interim relief your lordship may be pleased to restrain Respondent No.1 from carrying on any further project activities.

  
B. D. GOSAI  
NOTARY

  
Signature of Applicant



**VERIFICATION**

I, Subhaniya Osman, S/o Ismail Osman aged adult resident of Bander Road, Near Prime P.C.O., Salaya, District Devbhumi Dwarka, do hereby verify that the contents of paras 1 to 6 under Facts in brief are true to my personal knowledge and paras 1 to 6 under Grounds are believed to be true on legal advice and that I have not suppressed any material fact.

Date .....  
Place JAMNAMPUR **29 APR 2017**

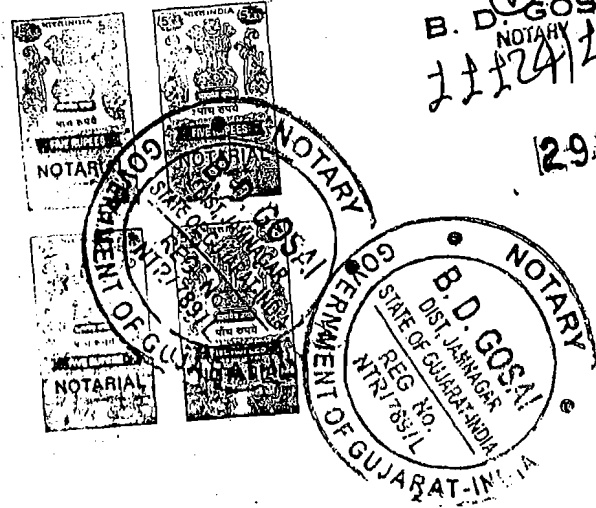
x ગાંધી એવમ્

IDENTIFY BY  
GDH  
ADVOCATE  
29/04/17

SOLEMNLY AFFIRMED BEFORE ME

B. D. GOSAI  
NOTARY  
21/24/17

**29 APR 2017**



**BEFORE THE NATIONAL GREEN TRIBUNAL SITTING  
AT PUNE**

MEMORANDUM OF APPLICATION

(Under Section 18(1) read with Sections 14,15 of National  
Green Tribunal Act, 2010)

APPLICATION NO. \_\_\_\_\_ OF 2017

Between:

1. Subhaniya Ismail Osman **...Applicant**

And

1. M/s RSPL Limited

And Others

**...Respondents**

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| 1       | Copy of the Marine Fishers identity card issued by Government of India to the applicant.  | A        | 1        |
| 2       | copy of the letter dated 17.12.2014 whereby the Government of Gujarat respondent No.3 through its Forest and Environment department made recommendations for grant of CRZ permission. | B        | 2 to 14  |
| 3       | copy of the letter dated 12.11.2015 addressed to Respondent No.1 by Respondent No.2 herein.   | C        | 15 to 21 |
| 4       | Photographs of the machinery called Tug which is itself a heavy machinery endangering ecological equilibrium  | D(Colly) | 22 to 24 |
| 5       | Photographs of heavy duty giant size builder Brage employed by the Respondent No.1 to carry out their project.  | E(Colly) | 25 to 26 |
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ANNX:-A ①

भारत सरकार  
कृषि मंत्रालय  
समुद्री मछुआरा पहचान-पत्र

Government of India  
Ministry of Agriculture  
MARINE FISHERS IDENTITY CARD

सत्यमेव जयते



GJ 10 VC 19752 3

जन्म तिथि / Date of Birth  
जारी करने की तिथि / Issue Date  
लिंग / Gender

राज्य/संघ राज्य क्षेत्र / State/UT

नाम / Name  
सुबानिया ओस्मान  
SUBHANIYA ISMAIL

पिता/माता/पति/पत्नी का नाम / Father/Mother/Spouse Name  
ओस्मान  
OSMAN



Annexure B



GOVERNMENT OF GUJARAT  
FORESTS & ENVIRONMENT DEPARTMENT  
BLOCK NO. 14, 8<sup>TH</sup> FLOOR, SACHIVALAYA  
GANDHINAGAR - 382 010.

(2)

HARDIK SHAH  
DIRECTOR (ENVIRONMENT) &  
MEMBER SECRETARY, GCZMA

Ph : (079) 23251062

Fax : (079) 23252156

E-mail [direnv@gujarat.gov.in](mailto:direnv@gujarat.gov.in)

Ref. No. ENV-10-2014-72E

December 17, 2014

To,  
Dr. M. Hota,  
Director,  
Ministry of Environment, Forests & Climate Change  
Indira Paryavaran Bhavan, Jor Bugh,  
Aliganj Road New Delhi - 110 003

**Sub: CRZ Clearance for construction of Sea water intake and effluent disposal facilities for proposed Soda Ash Project at Village: Kuranga, Taluka: Dwarka, District: Jamnagar by M/S RSPL Limited -regarding**

Dear Sir,

M/s RSPL Limited (RSPL), at Village Kuranga , Ta-Dwarka, District: Devbhumi Dwarka , vide its letter dated 24-07-2014 , has approached this Department for seeking recommendation for CRZ clearance for Sea water Intake and effluent disposal facilities for their proposed Soda Ash project( 1500 TPD) at Kuranga, Taluka: Dwarka, Dist: Devbhumi Dwarka

The RSPL was asked to submit various details and requested to make an application as per provisions of CRZ Notification 2011, vide this office letter dated 02-08-2013. The RSPL Limited submitted application vide its letter dated 24-02-2014, alongwith desired information.

M/s RSPL Limited has submitted the following documents alongwith their application:

1. A copy of the TORs issued by the MOEF, GOI, vide its letter dated 01-02-2014
2. CRZ map alongwith demarcation of HITL, LTL and CRZ boundary prepared by the Institute of Remote Sensing, Anna University, Chennai
3. A copy of the NOC issued by the Gujarat Maritime Board vide its order dated 09-05-2014
4. A copy of the CTE issued by the Gujarat Pollution Control Board vide its letter dated 12-08-2014

5. A copy of letter dated 02-07-2014 requesting Forests Department for diversion of 0.94 ha. For laying of pipeline for intake and outfall facilities
6. Form-1 as per CRZ Notification 2011
7. Comprehensive Marine EIA/EMP report for Seawater Intake and Effluent disposal of proposed Soda Ash project prepared by the National Institute of Oceanography, Mumbai during December, 2013
8. EIA report and Risk Assessment study for proposed Soda Ash Plant and Captive Power Plant prepared by the National Environmental Engineering Research Institute (NEERI), Nagpur

In their Comprehensive Marine EIA/EMP report, the National Institute of Oceanography has included the Introduction (Chapter 1), Project Domain (Chapter 2), Studies Conducted (Chapter 4), Prevailing Marine Environment (Chapter 5), Modeling Studies for Marine Facilities (Chapter 6), Potential Marine Environmental Impacts (chapter 7), Mitigation Measures (chapter 8), Management of Marine Environment (Chapter 9). The NIO has also included one chapter as Summary and Recommendations (chapter 10).

The main observations of Comprehensive MEIA report prepared by the National Institute of Oceanography, Mumbai are as follows:

- i. From the two options (Intake 1 and Intake 2), the alignment for 1 was selected on the basis of lower area and volume of excavation required to lay the pipeline and consequent reduction in benthic losses due to shorter length. Since the corridor is devoid of mangroves and corals as well as Sand dunes. Their losses are unlikely. The land based sump and the intake point (IT1, 210 59' 49.70"N; 690 10' 24.60"E) will be connected by 70. and 456 m long intertidal and subtidal pipeline segments respectively. The gradient of the buried pipeline will be so maintained that the seawater flows at a constant rate.
- ii. Adverse impacts of the proposed project on the marine environment during the construction phase could be due to modifications in the hydrodynamic characteristics of the area, degradation in water and sediment qualities and consequent impact on biota depending on the construction methodology selected and duration. The intertidal and subtidal areas of 0.035 and 0.91 ha totalling 0.95 ha would be adversely affected by the construction activities.
- iii. As the trenching and burial of the pipeline would be across the intertidal zone with a sandy beach and subtidal zone with hard substratum, the construction if

not conducted in a stipulated time and planning there can be minor and local erosion both sides of the trench due to non-compacted sand moving into the trench. However, due to the limited length of the trench and shallow excavation, this would not be significant. Apart from this, the coastal dynamics are unlikely to be influenced by the construction activities.

- iv. The bed sediment disturbed at the excavation site would generate SS which may remain in suspension for some time at the construction site. However, considering the sandy nature of the sediment it is expected to settle fairly quickly. The impact would be localized, temporary and confined only to the construction phase of trenching, pipelaying and trench filling. As the sediment of the region is mainly sand subjected to continuous wave action and sorting, leachable pollutants are not expected in them. Moreover the sediments of the area are unpolluted. Hence there would not be any deterioration in water quality on this account.
- v. Since the area that would be disturbed is small, the excavated sediment volume is unlikely to cause change in the sediment texture on a wider area of the seabed excepting in the close vicinity. Such impact would be negligible.
- vi. Misuse of the intertidal area by the workforce employed can locally degrade the sediment quality by increasing BOD and populations of pathogens. If proper arrangement is not made for them. The impact, however, would be minor and temporary and recovery would occur when the source of this contamination is eliminated at the end of the construction phase.
- vii. Hectic construction activities in the corridor areas would influence the local biotic communities, particularly the macrobenthos along the corridors selected for laying the pipelines. As the sediment is not enriched in Corg, its suspension in the water column is unlikely to deplete DO in this dynamic marine area and DO availability would not constrain the biotic processes. The danger of biota getting exposed to pollutants released from the sediment interstitial water when the bed is disturbed, is low. The corridor and nearby zone are devoid of mangrove vegetation and corals. Hence, there would be no impact on these habitats.
- viii. The impact of turbidity due to enhanced levels of SS if any, would be local and temporary with the phytoplankton community structure remaining more or less unaltered as the enhancement in turbidity during the activity is expected to

be low. Laying of pipeline would destroy the benthic habitats in the corridor of 0.95 ha. However, when the trench is back-filled, entire area would be available for their re-colonisation. Probable temporary loss of macrobenthic biomass and population would be 43.9 kg (av) and  $10.9 \times 10^6$  no (av) respectively. Considering the benthic potential of the study area, such losses are unlikely to be reflected on the overall biopotential of the coastal marine system off Kuranga. Loss of mangroves and corals as well as Sand dunes is not envisaged, as the pipeline corridor is devoid of mangroves, corals and Sand dunes.

- ix. The aesthetics of the coastal zone off Kuranga would deteriorate due to the presence of construction machinery, materials and left-over solid waste, If the construction is prolonged due to time-overruns or improper planning; the adverse influence would increase accordingly. The birds using the intertidal area around the project site are not expected to be impacted adversely as the limited excavation does not warrant the use of heavy machinery and large vessels. Marine reptiles and mammals would not be affected due to the construction activities since they keep away from such sites. Since there are no major commercial fishing operations close to the shore, the impact on fisheries would be minor.
- x. Marine environmental implications during the operational phase of the project would be confined to the probable negative influence of seawater intake on hydrodynamic characteristics, water quality, sediment quality, and flora and fauna of the region.
- xi. As the flow of seawater in the sump is by gravity, the change in the current speeds and water levels during operations of the intake system would be marginal as predicted and the overall hydrodynamics of the region would remain unaltered.
- xii. During the operational phase there would be no activity leading to release of contaminants to the coastal area. Hence the impact on physico-chemical quality of the adjoining seawater is not expected to be influenced.
- xiii. Since the water quality would not be impacted, change in sediment quality due to water borne particulates is discounted. The change in the current velocities due to withdrawal of seawater would be minor and would not alter erosion/deposition in the area. General water quality of the coastal area would

not be affected adversely. Hence, the biological characteristics of the region would not be influenced except for minor negative impact on macrobenthic community in the vicinity of the intake due to limited local disturbance to the sediment.

- xiv. The current velocities at the pipe orifice are predicted to be low. Hence, impingement of species such as fish or crab would be insignificant. Considering the short life span of plankton and their fast multiplication rates, the loss due to entrainment would not adversely influence the productivity of the coastal region. Impact of entrainment of fish eggs and larvae on future adult populations is also considered minor since fishes during their breeding cycle lay millions of eggs of which only a very small fraction grows to adulthood.
- xv. Both the (Outfall F1 and Outfall2) have been recommended for the effluent release since behaviour of the effluent is similar in both the cases and the released effluent would attain the ambient levels within 300m (max). Since the corridors are devoid of mangroves and corals as well as Sand dunes their destruction due to the development is unlikely. A pipeline will be laid between LFP and the disposal sites (OF1: 22° 01' 25.62" N; 69° 08' 06.27"E or OF2: 22° 00' 39.51"N; 69°09' 7.01"E). It will be buried in the intertidal stretch and wherever depth is below 6 m in the subtidal stretch. It will be end at a 68 m long, 10 port diffuser. The diluted effluent ( $6 \times 10^5$  m<sup>3</sup>/d) will be released at a jet velocity of 3 m/s to get the plume dilution of 22.3 times.
- xvi. The hydrodynamics of the area would get influenced during a short period of trenching and pipelaying only. Hence the impact on the characteristics would be localised and temporary.
- xvii. Trenching/pipelaying in the area having hard substratum/sand has relatively low potential to disperse the bed sediment. The impact would be localized, temporary and confined only to the construction phase. The sediment of the region is unpolluted; hence, there would not be deterioration in the water quality on this account. Since the area possesses hard substratum/sand and the excavated sediment is a small volume, it is unlikely to cause change in the sediment texture on a wider area. Misuse of the intertidal area by the work force can locally degrade the sediment quality by increasing BOD and

populations of pathogens. The impact, however, would be minor and temporary.

- xviii. The intertidal corridor is largely composed of degraded reef and sand with isolated patches of seaweeds with a few species. Hence, no significant loss of flora and fauna is envisaged. Loss of localized weeds would be easily recouped by fresh recruitment once the activities are terminated. The impact of increase in turbidity due to enhanced levels of SS, if any, would be local and temporary with the phytoplankton community structure remaining more or less unaltered. Zooplankton are unlikely to be affected.
- xix. The project would have negative impact on benthic habitats which would be destroyed during pipelaying. However, this loss would be minor and temporary and the benthos would re-colonise in due course after the construction activities are terminated. Moreover, structures would provide additional surface area for benthos to colonise on the newly created substratum. Since the corridor selected is devoid of corals and mangroves, their destruction during the construction is unlikely.
- xx. The aesthetics of the coastal zone would deteriorate due to the presence of construction machinery and materials, make-shift huts of labour force etc. Left-over solid waste and that generated during construction would be a source of nuisance if not cleared from the site. If the construction is prolonged due to time-overruns or improper planning, the adverse influence would increase accordingly. The birds using the intertidal area around the project site would be disturbed particularly if the construction activity is scheduled during their migratory months. However, this would be limited to only construction phase. Since there are no major commercial fishing operations close to the shore, the impact on fisheries would be minor.
- xxi. The release of the effluent at 13 - 14 m depth (CD) would not influence the hydrodynamic characteristics. Though, accumulation of the sand along the sides of the pipeline is expected, that would provide additional area for benthos to re-colonise.
- xxii. The predicted maximum water temperature in a small area around the diffuser would be lower than the threshold of 35 oC considered for tropical marine areas. Hence the release of the effluent is unlikely to cause thermal shock to the flora and fauna even in the vicinity of the diffuser. An incremental increase

of SS in a small area is unlikely to negatively influence the biota even in the vicinity of the diffuser.

- xxiii. The model predicts an increase of about 100 folds in the concentration of ammonia over the baseline in the vicinity of the diffuser. Ammonia as  $\text{NH}_3$  (unionized ammonia) is harmful to marine organisms even at low concentrations. However, the concentration of unionized ammonia in seawater mainly depends on pH. At the pH of 8.0 to 8.3 (av) off Kuranga, only about 3 to 5 % of the total ammonia ( $\text{NH}_3 + \text{NH}_4$ ) would occur as unionized ammonia. For the predicted highest concentration of 3.04 mg/l off Kuranga, about 0.15 mg/l would occur in the unionized form. This concentration would be confined to a very small area around the diffuser. Hence, no significant impact of release of ammonia through the effluent is expected.
- xxiv. The field of influence of increase in temperature, SS and ammonia would vary between 150 to 300 m length along the advected plume. The ambient condition would be attained within 300 m distance from the outfall location. A major fraction of the SS would settle but fine particles would remain in suspension for a longer duration. This would impart a milky hue to the water around the diffuser under continuous release of effluent. This however would not affect the flora and fauna since the SS in the effluent is non-toxic.
- xxv. The SS in the effluent is inorganic in nature and largely composed of constituents commonly occurring in the marine environment. Considering the sediment type off Kuranga, the settlement of the effluent associated SS is unlikely to grossly modify sediment character of the region.
- xxvi. The general water quality of the coastal area would not be affected negatively. Hence, by and large, the biological characteristics of the region would not be affected adversely except for some negative impact on macrobenthos in the vicinity of the diffuser, due to the settlement of SS. The SS though not harmful, it may change the sediment character locally and the macrobenthos community would have to adjust to this modified habitat.
- xxvii. The vital parameters in the treated combined effluent would attain near ambient levels of the water quality at a distance of about 300 m (max) from the effluent disposal points OF1 and OF2. Hence its cross-contamination with the seawater intake which is more than 2 km away is ruled out.

The proposal of the RSPL Limited was scrutinized by the Technical Committee in its 10th meeting, which was held on 20-03-2014, wherein representative of the RSPL Limited made a presentation before the Technical Committee about the activities to be carried out in CRZ area, EIA report prepared by the National Institute of Oceanography, Mumbai prepared in December, 2013, CRZ map duly demarcation of HTL CRZ Boundary etc. Prepared by the Institute of Remote Sensing, Anna University, Chennai (An agency authorized by the Ministry of Environment and Forests, Government of India).

After detailed discussion and deliberation on the presentation made by the representative of the RSPL Limited, it was decided to obtain various details from the RSPL Limited and accordingly, details were called for from the RSPL Limited, the same have been submitted by the RSPL Limited. As decided in the Technical Committee meeting, members of the Technical Committee carried out site visit of M/S RSPL Limited, and based on the site visits the Committee recommends to obtain methodology to be adopted for laying of pipelines in CRZ areas, considering sandy area and also an Action Plan for conservation of Sea Turtle ground, as there is possibility of the existence of Sea turtles in this area.

The representative of the RSPL Limited made a presentation before the GCZMA in its 23rd meeting, which was held on 16-10-2014 and submitted that the proposed project is about 34 km from the Dwarka, District : Devbhumi Dwarka (Earlier Jamnagar) and located within the Survey of India Topo-sheet No-41/F4. It is geographically located between Latitudes  $22^{\circ} 0' N$  to  $22^{\circ} 3' N$  and between Longitudes  $69^{\circ} 9' E$  to  $69^{\circ} 12' E$  with an elevation of 5.0 to 15.0 m above MSL. The proposed project is to set up a Soda Ash Plant (1500 MTD) and Captive Power Plant (50MW). It was submitted that the water requirement for the project will be met through seawater from the Arabian sea, which is close to the plant location.

The representative of the RSPL Limited submitted that Gaga Wildlife Sanctuary is located at a distance of approx.. 6.4 Km, for which they have already made an application to DCF, Jamnagar for necessary clearance. No forests land is involved in the plant area, however, for laying of underground seawater intake and effluent disposal pipelines, forests land less than 3.0 ha will be required. It was further submitted that Kuranga sea coast as well as area within 10 km radius is devoid of mangroves/mangrove ecosystem. The mangrove patches are located near Dwarka at an distance of more than 25 km. Traditional fishing activities through small boats exists in

the region near to Gojiness creek and Navadra village. No commercial fishing operation by trawling exists in the area.

The representative of the RSPL Limited submitted that total quantity of seawater required for process, coolant for the Soda Ash plant as well as Captive Power Plant , feed water requirement for the desalination plant will amount to 6X105 M3/day. The intake point is recommended by the NIO at Latitude 21° 59' 49.70" N, Longitude: 69° 10' 24.60" E at a depth of 4.5m below CD, on the basis of minimal area and volume of excavation required to lay the pipeline and consequent reduction in benthic losses. 526 M long pipelines of suitable diameter will be laid . It would be buried all along the stretch of 70 m length while that passing through 456 m long subtidal stretch will also be buried to provide unhindered passage to local fishing crafts. Total length of the intake pipeline which would pass through CRZ area would be about 1026m The gradient of the pipeline will also be so maintained that seawater will flow into the sump at a constant rate by gravity. The pipeline orifice at the intake point will be located 0.5 m above seabed to avoid direct entry of bed sediment into the intake.

The representative of the RSPL Limited submitted that the NIO has recommended two outfall options since behavior of the effluent on release into sea and subsequent impacts almost similar at both the discharge point. The pipeline corridors are devoid of mangroves and corals. From Land Fall point(LFP) to the effluent disposal points( 1. 22° 01' 25.62" N, 69° 08' 06.27" E or 22° 00' 39.51" N, 69° 09' 07.01" E) pipelines with a suitable diameter to maintain the requisite velocity , will be laid to release the diluted effluent of 6X105 M3/day into sea. The pipelines will be buried in the intertidal stretches of 80m. It will be laid on the bed along the subtidal segment. The length of Outfall pipeline passing through CRZ area would be 1700 M including 1120m in subtidal area. However, it will be buried wherever water depth of 6 m or less prevails for un-hindered navigation of local fishing crafts.

The representative of the RSPL Limited submitted that the pipelines will end with a 68 m long diffuser with 10 number of ports of 0.53 m diameter spaced 6.83m apart suitably anchored at the seabed. The ports will be aligned alternatively with the directions of bio modal currents(ebb and flood). The port angle to the horizontal will be 60° upwards. The diffuser will be aligned in such a way that all the ports maintain the prescribed velocity sothat no sediment accumulates in the diffuser pipe. This ensures the performance of the diffuser consistently. As both the options are suitable the final selection of disposal point can be guided by the engineering considerations. The

effluent will be released at 1 m above bed at the jet velocity of 3 m/s by creating suitable pumping system, to get the plume dilution of 22.3 times. Hence, their destruction due to development is unlikely.

As per the CRZ map prepared by the Institute of Remote Sensing, Anna University, Chennai duly demarcation of HTL CRZ Boundary and superimposition of proposed activities on it, the proposed activities falls within CRZ-I(B), CRZ-III and CRZ-IV categories and are permissible activities as per provisions of CRZ Notification 2011.

The Chairman of the Authority specifically asked the project proponent and their consultant about the existence of the sand dunes in the proposed project area and methodology to be adopted for laying of the pipeline in such cases. The NIO was asked to submit a certificate in this regard.

*The Authority deliberated the proposal of M/S RSPL Limited and after detailed discussion, the Authority decided to recommend to the Ministry of Environment and Forests, Government of India to grant CRZ Clearance for Seawater Intake and effluent disposal facilities for Greenfield Soda Ash project) at Village: Kuranga, Taluka: Dwarka, Devbhumi Dwarka, by M/S RSPL limited with following Specific conditions and only after submission of documents as mentioned decided in the GCZMA meeting*

The RSPL, vide its letter dated 13-11-2014 submitted that as suggested by GCZMA, CSIR-NIO team comprising of Chief Scientist & Scientist -In Charge Dr. S.N.Gajbhiye and Scientist Mr. P.S. Rakesh visited the project on 01-11-2014 for verification regarding no existence of sand dunes. It is submitted that based on present site situation they recommended Land Fall Point (LFP) of Intake Latitude: 22° 00' 03.9" N ; Longitude 69° 10' 36.0" E. This LFP is shifted by approx.. 80 m from earlier point. However, the intake point & earlier corridor recommended remains almost same. They have submitted a certificate from the NIO certifying that there are no sand dunes at the intake and outfall points

In view of above, the State Government hereby recommends to the Ministry of Environment and Forests, GOI, to accord the environmental clearance under the CRZ notification for Seawater Intake and effluent disposal facilities for Greenfield Soda Ash project (1500TPD) at Village: Kuranga, Taluka: Dwarka, Devbhumi Dwarka, by M/S RSPL limited, with strict compliance of the following conditions:

1. The provisions of the CRZ notification of 2011 shall be strictly adhered to by the M/s RSPL.

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.*
3. *It shall be ensured by the RSPL Limited that in such cases, the effluent discharge is immediately stopped till the adequate measures are taken.*
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.*
5. *The RSPL Limited shall ensure that the laying of pipeline should be avoided during the breeding period of sea turtles.*
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.
7. The 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.
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 ELA report and M./S NEERI in the Environment Impact Assessment report shall be implemented strictly by M/s RSPL
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.
10. Comprehensive Environment Impact Assessment report shall be submitted to this department and the recommendations/suggestions given in it shall be implemented.
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 per the guidance of the GPCB.
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.

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13. The groundwater shall not be tapped to meet with the water requirements during construction or operation phase in any case.
14. A Disaster Management Plan to meet with any eventualities that may arise during construction and/or operation phase shall be prepared and 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.
16. M/S RSPL shall ensure and adopt safety precautions for effective and satisfactory functioning of the pipeline and shall provide Leak Detection System and Cathodic Protections System for the purpose.
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.
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
19. Massive greenbelt development program including the mangrove plantation shall in area of 50 ha. be carried out in consultation with the GEC /Forest Department by M/s RSPL and would be completed within a period of two years from the date of issuance of the CRZ clearance from the MoEF&CC, GOI. .
20. A large scale socio-economic upliftment program in consultation with the 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.
21. Environmental 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.

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Copy to:

✓ Shri V.N.Desai  
President  
C-1/C-2, 3rd Floor, Safal Profitaire,  
Corporate Road, Near Prahlad Nagar Garden,  
Satellite, Ahmedabad -380015 --- For information please.

Annex 1c

15

F. No. J-11011/247/2012- IA II (I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(I.A. Division)

Indira Paryavaran Bhawan  
Aliganj, Jorbagh Road,  
New Delhi -110003

E-mail : [lk.bokolia@nic.in](mailto:lk.bokolia@nic.in)  
Telefax : 011-24695313  
Dated 12<sup>th</sup> November, 2015

To,  
Shri V.N. Desai (President)  
M/s RSPL Limited.  
C/2, 3<sup>rd</sup> Floor, Safal Profitaire, Corporate Road,  
Nr. Prahladnagar Ahmedabad Garden, Prahladnagar,  
Satellite, Ahmedabad-0380015

E-mail : [projectamd@rspl.net.in](mailto:projectamd@rspl.net.in) ; [vn.desai@rspl.net.in](mailto:vn.desai@rspl.net.in) ; Fax No. : 079-29701606

Subject: Greenfield Soda Ash Plant (1500TPD) alongwith Captive Power Plant (50 MW) at Village Kuranga, Taluka Dwarka, District Jamnagar, Gujarat by M/s RSPL Ltd.- Consolidated Environmental Clearance and CRZ Clearance reg.

Ref.: Your letter no. RSPL/CCG/MS/ENV-002/335/2014-15 dated 22<sup>nd</sup> December, 2014.

Sir,

This reference to your letter dated 22<sup>nd</sup> December, 2014 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EEMP Report, public hearing report regarding above mentioned project and subsequent communications vide letter dated 20<sup>th</sup> February, 2015 and 1<sup>st</sup> September, 2015 on the above mentioned subject. MoEF&CC, Regional Office, Bhopal vide letter no. 6-GJB039/2015-BHO/1105 dated 31<sup>st</sup> August, 2015 has issued stage-1 forest clearance for diversion of 0.94 ha. reserved forest land.

2.0 The Ministry of Environment, Forest and Climate Change has examined your application. It is noted that proposal is for setting up of soda ash plant (1500 TPD) alongwith CPP (50 MW) at Village Kuranga, Taluka Dheraka, District Jamnagar, Gujarat. Total plot area is 400 ha of which, area earmarked for greenbelt is 189 ha. Plant area comprises of Government Waste Land and Private Un-Irrigated agriculture land. There is no forest land within the plant area. The underground sea water intake and effluent disposal pipelines will pass through forest land (i.e. 0.94 ha. forest land). The land will be restored back on completion of pipeline laying job. Gaga wildlife sanctuary located at a distance of 6.4 Km. Site is located at a distance of 1.0 Km from Arabian sea. Kalipat River is located at a distance of 2.0 Km. Kuranga lake is located at a distance of 4.5 Km. Gojiness Creek is at a distance of 2.5 km. Reserve Forests are located within 10 km distance (i.e. Gojiness reserve forest; Kuranga Reserve Forest; Bhogat RF (6 Km); Bhatvadiya RF (500 m) and Gaga RF (8.0 Km). It is reported that no mangroves eco-system near Kuranga Sea Coast as well as within study area. Gujarat Coastal Zone Management Authority (GCZMA), Forest & Environment Department, Gandhinagar vide letter no. ENV-10-2014-72E dated 17.12.2014 has forwarded necessary recommendation for grant of environment clearance under the CRZ notification for laying of sea water intake and effluent facilities in Arabian Sea. Cost of project is Rs. 1800 Crore.

The following is configuration of the plant:

| S.No. | Plant                  | Capacity               |          |
|-------|------------------------|------------------------|----------|
| 1     | Soda Ash plant         | Light soda Ash         | 1500 TPD |
|       |                        | Dense soda ash         | 770 TPD  |
| 2     | Coal/Lignite based CPP | Steam 3 nos. x 150 TPH | 50 MW    |
| 3     | DG Set                 |                        | 6MVA     |

Soda ash plant process is based on Dry Liming Technology having features of less effluent; less sweet water use; Less steam requirement for ammonia recovery and most energy efficient technology. Raw materials i.e. Limestone (2700 TPD) will be sourced from captive limestone mines and from domestic/International market by road/sea; Salt (2580 TPD) from captive saltworks and from market by road/sea; Coke (174 TPD) from open market by road/sea; Ammonia (3.5 TPD) and Sodium Sulphide (2.24 TPD) from open market by road; Coal /Lignite from imported coal i.e. Indonesian or South African/GMDC/Open Market by road/sea.

2.0 Scrubbers and drop trap will be provided to the 5 nos. Lime Kilns. Scrubber will be provided to ammonia recovery system. Bagfilter will be provided to lime grinding system. Scrubber will be provided to filtration /calcinations. ESPs alongwith adequate stack height will be provided to coal fired boiler. All crushers and transfer points will be provided with dust extraction system consist of hoods, bag house, ID fans and exhaust duct. Closed storage, covered belt conveyor, baghouse/bagfilter will be provided at transfer points. Total water requirement will be 60 MLD water, which will be drawn from Arabian sea through submarine pipeline from the point suggested by the National Institute of Oceanography (NIO). Return cooling water will be mixed with process effluent from soda ash plant, rejects from RO/DM plant and brine preparation rejects. To achieve the GPCB/CPCB norms, effluent will be further treated in the effluent treatment plant & diluted with sea water. Treated /diluted mixed effluent will be discharged in the Arabian Sea at a designated point having diffuser system as recommended by NIO. Sewage will be treated in the sewage treatment plant (STP). Fly ash from coal as fuel will be used for cement manufacturing/brick manufacturing. If from Lignite only, it will be used for road making, pavement and flooring etc. Limestone rejects will be used in boilers for de-sulphurization. Used oil will be sent to authorized recycler/re-processors. Oily sludge and waste/spent oil will be disposed off through authorized re-processors.

3.0 Public hearing/consultation was conducted on 10<sup>th</sup> June, 2014.

4.0 All the Soda Ash Industries are listed at S.N. 4(e) under Category 'A' and appraised at the Central level.

5.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 3<sup>rd</sup>, 32<sup>nd</sup> and 36<sup>th</sup> meetings held during 3<sup>rd</sup> - 5<sup>th</sup> December, 2012, 20<sup>th</sup>-21<sup>st</sup> January, 2015 and 16<sup>th</sup>-17<sup>th</sup> March, 2015 respectively. The proposal was considered by the Expert Appraisal Committee (Infrastructure and Coastal Regulation Zone) in 144<sup>th</sup> meeting held during 28<sup>th</sup>-30<sup>th</sup> January, 2015 respectively. Project Proponent and the EIA Consultant namely NEERI have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committees recommended the proposal for environmental clearance and CRZ clearance.

6.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance and CRZ clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 and CRZ notification, 2011, subject to the compliance of the following Specific and General Conditions:

**A: SPECIFIC CONDITIONS:**

- 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.
- 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.
- 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 sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber should be monitored regularly and maintained properly. At no time, the emission levels should go beyond the prescribed standards.
- iv) Bagfilter 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 air pollution control devices suggested in the EIA/EMP shall be implemented.
- v) Ambient air quality data shall be collected as per NAAQES standards notified by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> 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
- 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.
- vii) Unit shall create covered coal storage yard along with facilities of 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.
- viii) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- ix) Total fresh water requirement from Arabian Sea shall not exceed 60 MLD and prior permission shall be obtained from the Competent Authority.
- 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

as

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.

- xi) Treated effluent should be passed through guard pond. Online pH meter, flow meter and TOC analyzer should be installed.
- xii) Automatic/online monitoring system (24 x 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's website.
- 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 fire fighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.
- 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 alongwith the storm water. Direct exposure of workers to fly ash & dust should be avoided.
- xv) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 as amendment in 2003. Fly ash shall be provided to cement and brick manufacturers for further utilization.
- xvi) Unit shall create covered coal storage along with facilities of 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.
- xvii) As proposed, green belt area of 189 ha shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines. In consultation with the DFO.
- xviii) As proposed, 2.5 % (i.e. 43.70 Crore) of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.
- xix) All the commitments made to the public during public hearing/public consultation meeting held on 10<sup>th</sup> June, 2014 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
- xx) Provision shall be made for the housing for the construction labour 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 the surrounding environment.

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**B. SPECIFIC CONDITIONS IN RESPECT OF CRZ:**

- i) Company shall explore possibility for enhance recycling of treated water.
- ii) The intake and outfall shall be through buried pipelines the pipelines shall be buried two meter below the ground level /sea bed.
- 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 .
- iv) Installation of trash bar/screen shall be put in place at the intake well to avoid fish entrapment.
- v) All the recommendations and conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide letter no. ENV-10-2014-72 E dated 17.12.2014 shall be complied with.
- 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, MoEF&CC along with six monthly monitoring report.
- 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.
- 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.
- 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.

**C. GENERAL CONDITIONS:**

- 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.
- ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the 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.
- 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, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

- 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.
- 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.
- vii) Usage of Personnel Protection Equipments by all employees/ workers shall be 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.
- 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.
- x) The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.
- xi) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- xii) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 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.
- xiv) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.
- 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.
- xvi) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the Gujarat Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bhopal Regional Offices of MoEF by e-mail.
- 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

(21)

http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

xviii) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

7.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

8.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

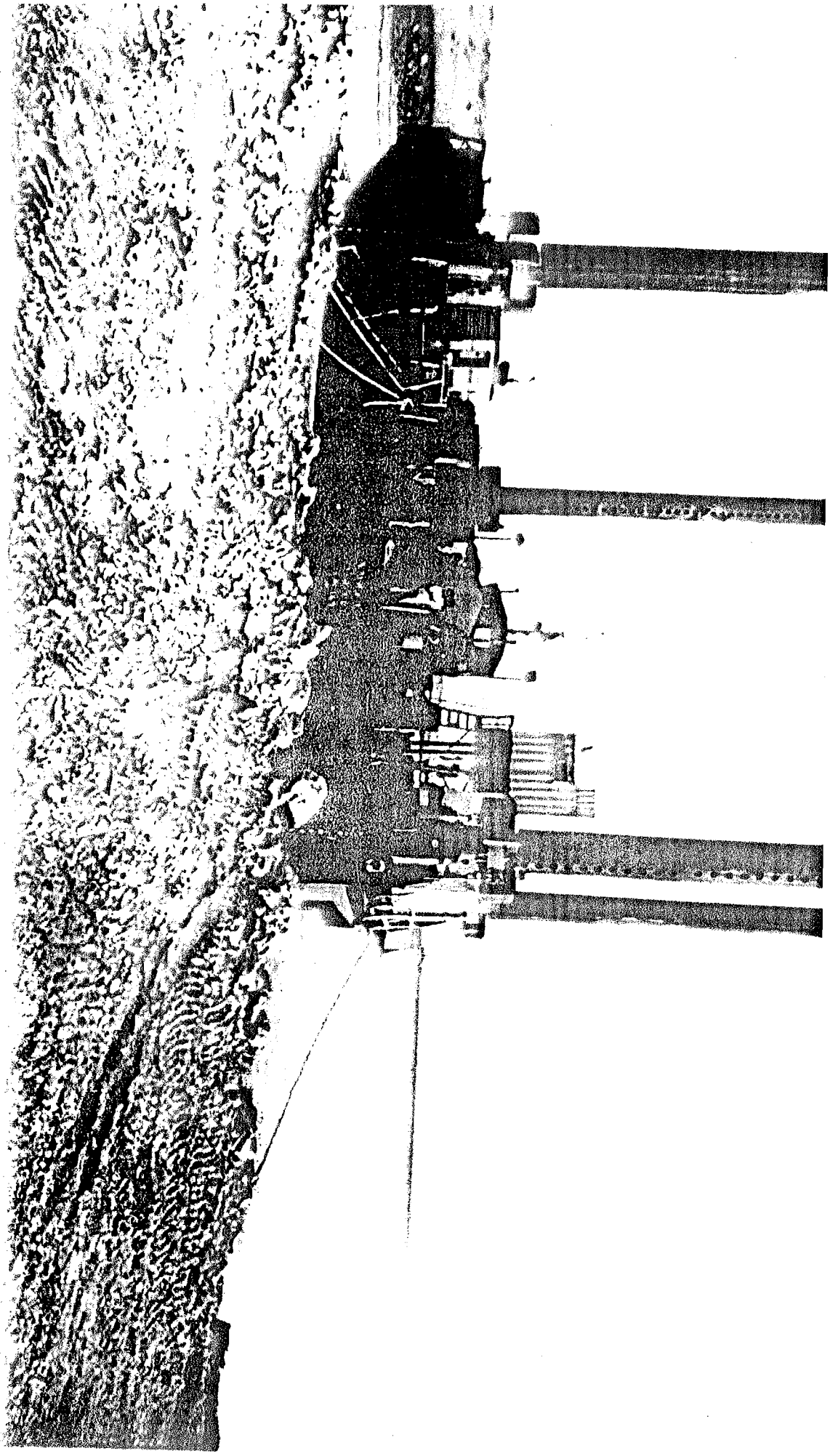
9.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.

  
(Lalit Bokolia)  
Additional Director

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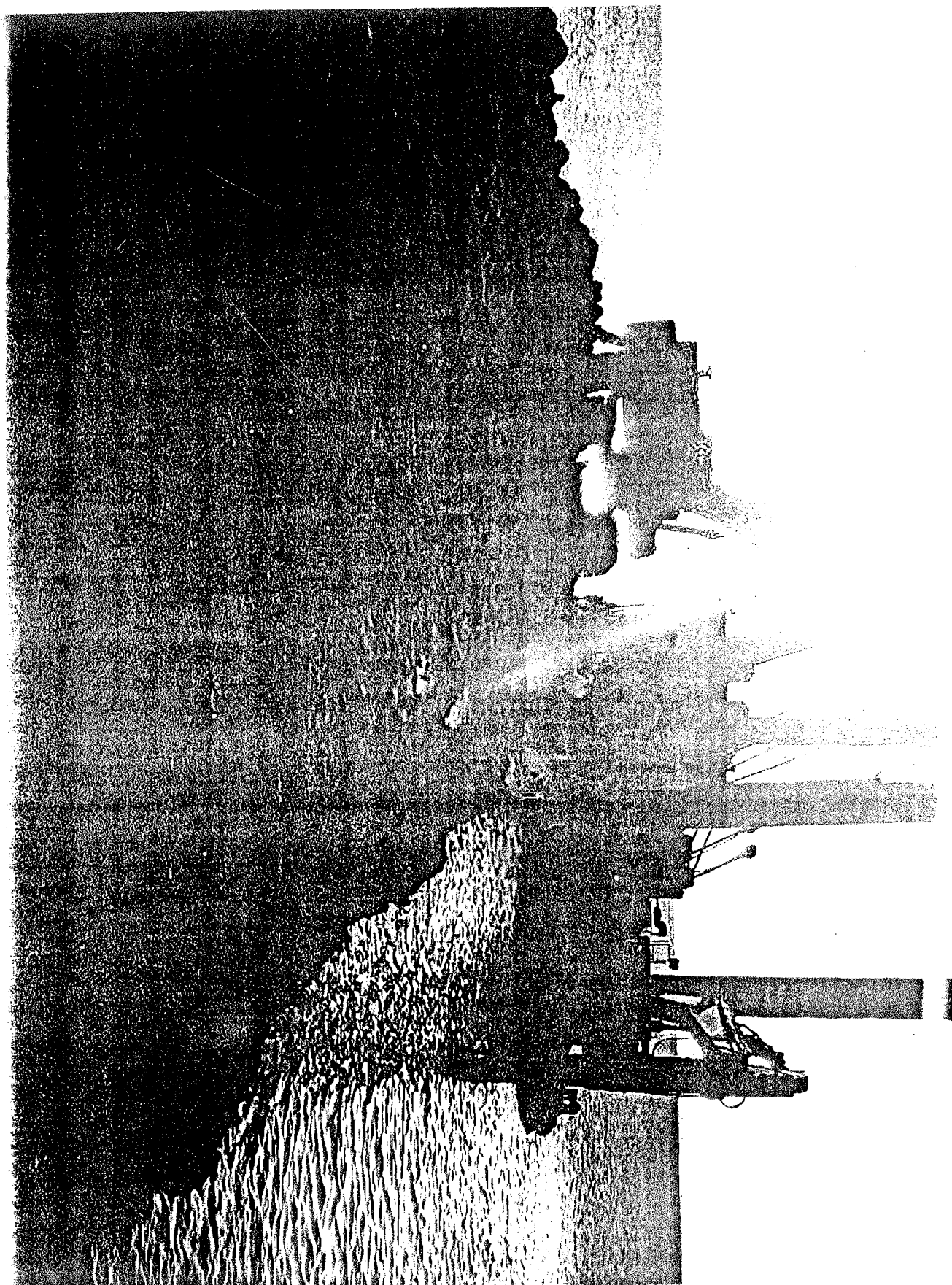
1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8<sup>th</sup> Floor, Gandhi Nagar - 382 010, Gujarat.
2. The Additional Principal Chief Conservator of Forests(central), Ministry of Environment & Forests, Regional Office, E-5, Arera Colony, Link Road -3, Bhopal -462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043, Gujarat.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi.
6. Guard File/Monitoring File/Record File.
7. Member Secretary (IA-III), CRZ & Infrastructure Division, IA Division.

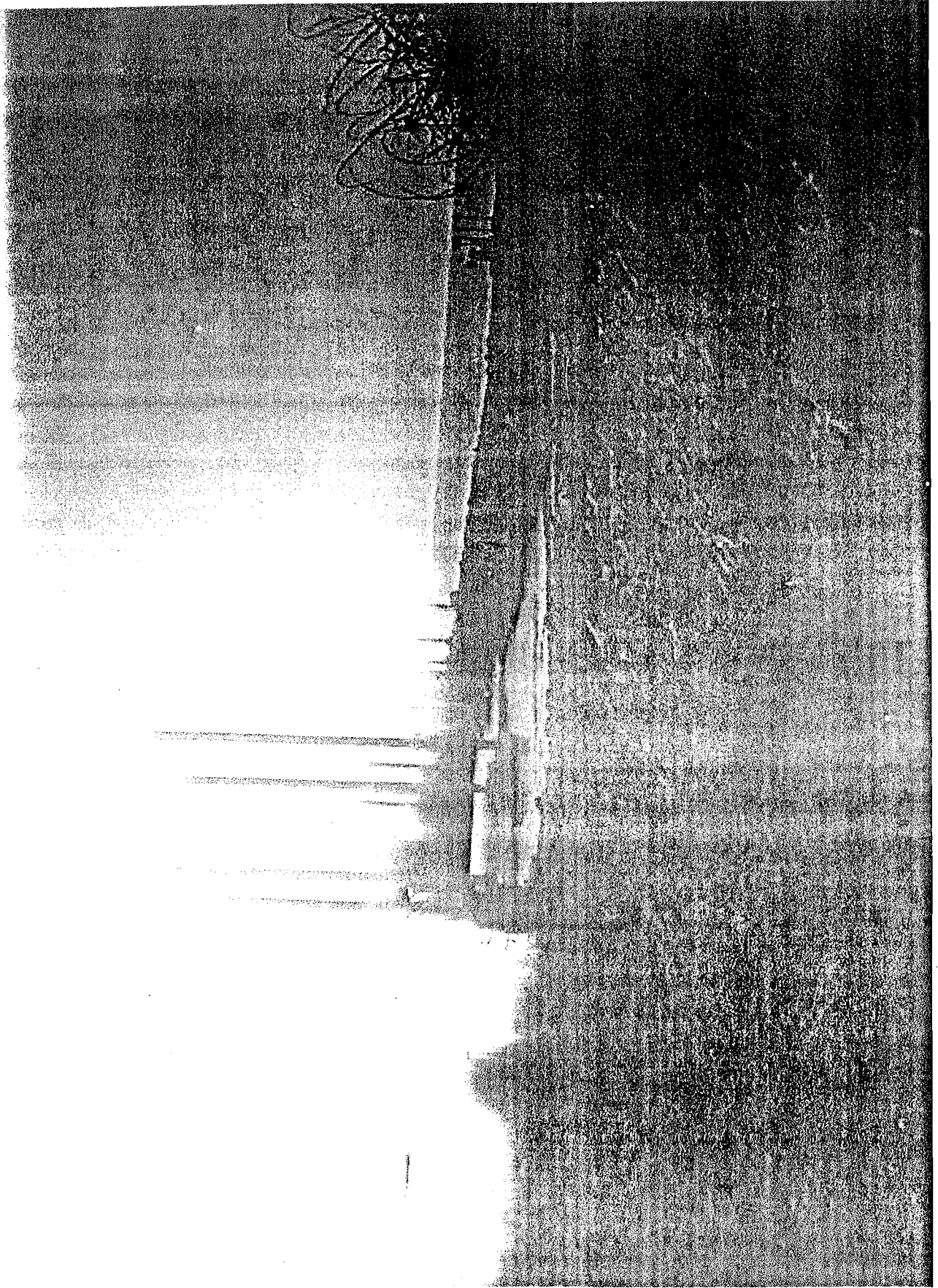
  
(Lalit Bokolia)  
Additional Director



Alex D Lohy

23



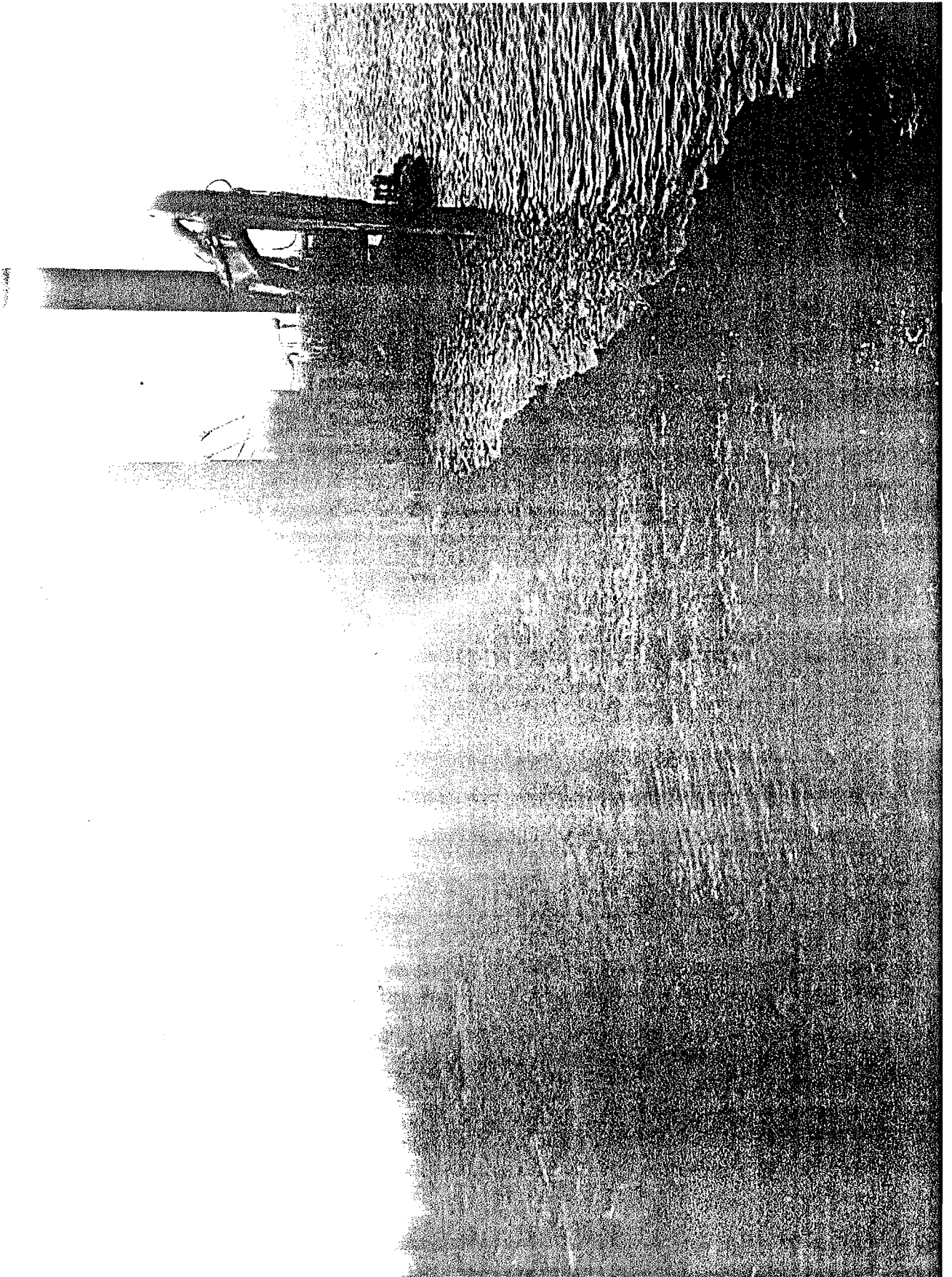


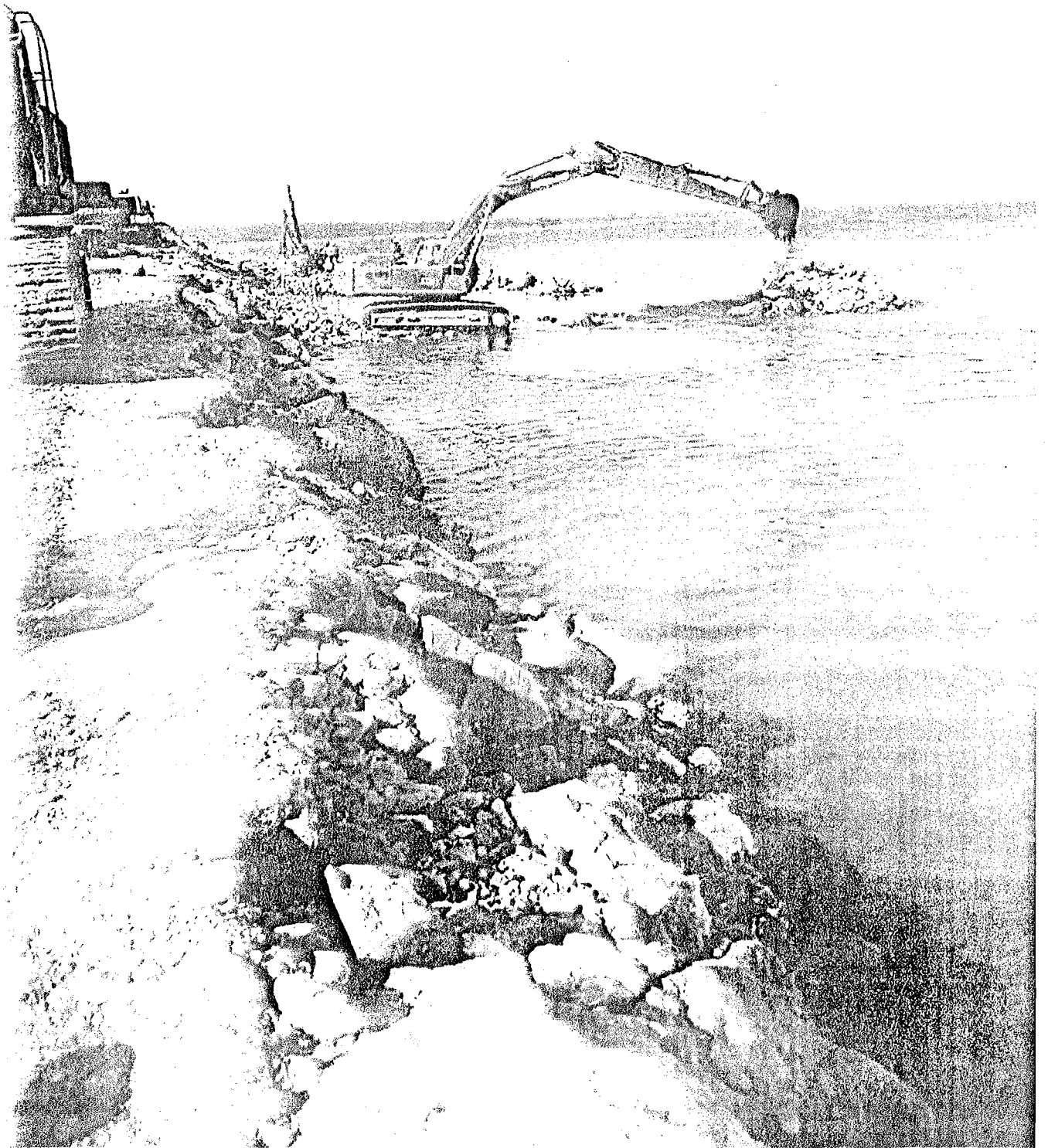
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Date: 03<sup>rd</sup> October, 2016

Ref. No. SW/COMIRSP/LA/015

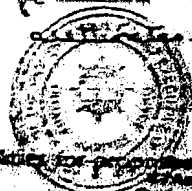
To,  
Gujarat Maritime Board,  
Sector 10/A, 'Cinn' Road  
Opp. Air Force Station,  
Gandhinagar - 382010,  
Gujarat

Permission granted subject  
to approval from 'A' and  
local authorities collected  
- this is only an step for  
the purpose of obtaining  
permission from concerned  
authorities.

Attn: Capt. SC Mathur, Chief Nautical Officer

Project: Sea water intake and Effluent disposal facilities for proposed Soda Ash  
project by RSPL Ltd near village Kuranga, Taluka Dabhruj, District  
Dabhruj Dwarka, Gujarat

Subject: Request for GMB Approval for Underwater Rock Blasting (Near Shore Area)



*[Handwritten signature]*  
7/16

Dear Sir,

With reference to the above said RSPL Project near village Kuranga, District Dabhruj Dwarka, Gujarat, we have been awarded this project vide RSPL work order RSPL/CCGAK/WO/SW/10/016/2016-17 dated 08 May 2016 and as amended vide amended purchase order RSPL/CCGAK/PO/SW/10/016-A/2016-17 dated 21 July 2016 (Copy enclosed), a project for which NOC has been issued vide your letter No. GMB/NP/VT-1/1380/1165/2510 dated 07 June 2016.

The Project entails laying of Sea water Intake and Effluent disposal pipelines for the proposed Soda Ash Plant of RSPL coming up at Dabhruj Dwarka.

In the process of laying these pipelines we would also be excavating the sea bed in the near shore area which mainly comprising of limestone rock for which under water blasting will be required to achieve design depths.

Site map is attached for your ready reference.

We are taking up the process of getting permissions from the Controller of Explosives, Navy  
Mumbai

} A

It is requested that no objection from your office for the underwater blasting w.e.f. 15<sup>th</sup> Oct 2016 till end of project subject to us obtaining the requisite permissions from the concerned authorities and compliance to the conditions therein, copies of which will be expended to your office for record prior to taking up any blasting work. The NOC from GMB is a prerequisite to

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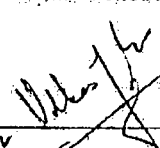

COMACBE

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Site map is attached for your ready reference.

Thanking you in kind anticipation,

Yours faithfully,  
For Coastal Marine Construction & Engineering Ltd

**Vikas Yadav**  
General Manager, Head SWIO

**Enclosure:**

1. Certificates of
  - a. Coastal Builder
  - b. Tug Vishnu
2. Site Map
3. GMB NOC Letter No. GMB/N/PVT-1/1360/11/95/3510 dated 07 June 2016
4. Intimation of Commencement of Work Letter No. RSPL/CCG/KGI/ENV-003/147/2016-17 dated 07 Sep 2016

Permission granted subject to  
Approval from "A" and local  
Administrator collector, this  
Is only a NOC for this purpose  
Of obtaining permission from concerned  
Authorities

28A

**BEFORE THE NATIONAL GREEN TRIBUNAL SITTING  
AT PUNE**

APPLICATION NO. \_\_\_\_\_ OF 2017

1. Subhaniya Ismail Osman **...Applicant**

And

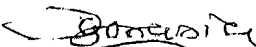
1. M/s RSPL Limited **...Respondents**  
And Others

**VAKALATNAMA**


I, ISMAIL SUBHANIA applicant herein do hereby appoint Ms. Deepa Gorasia, Advocate and Jitendra Malkan, Advocate to act and appear for me in the above matter on my behalf to conduct and prosecute and defend the same and all proceedings that may be taken in respect of any application connected with the same or any application for Review, to file and obtain return of documents, and to deposit or receive money on my behalf in the said Application to represent me and to take all necessary steps on my behalf in the above matter. I agree to ratify all acts done by the aforesaid advocates in pursuance of this authority.

THIS 29 DAY OF APRIL 2017

I accept the aforesaid authority

  
Ms. Deepa A. Gorasia  
Advocate

  
Mr. Jitendra Malkan  
Advocate



**BEFORE THE NATIONAL GREEN TRIBUNAL, WESTERN ZONE  
BENCH, PUNE**

**Original Application No. 73/2017 (WZ)**

In the matter of :-

**Subhaniya Ismail Osman Vrs. M/s. RSPL Ltd. & Ors.**

**CORAM : HON'BLE MR. U.D. SALVI, JUDICIAL MEMBER  
HON'BLE MR. RANJAN CHATTERJEE, EXPERT MEMBER**

**Present: Applicant/Appellant : Mr. Jitendra Malkan, Adv.  
Respondents : None appeared.**

| <b>Date and Remarks</b>   | <b>Orders of the Tribunal</b>   |
|---|---|
| <p><b>Item No. 8<br/>15<sup>th</sup> May, 2017<br/>Order No.1</b></p> | <p>Heard. Perused record.</p> <p>The learned counsel appearing on behalf of Applicant submits that the non-compliance of the conditions stipulated for grant of consolidated Environmental Clearance and CRZ Clearance dated 12<sup>th</sup> November 2016 Annexure 'C' warrants its cancellation, and suspension of the activities carried on in violation of the conditions during the pendency of this Application. He points out that the Consolidated environmental clearance and CRZ clearance is subject to compliance of all the recommendations and conditions specified by Gujarat State Pollution Control Board vide letter dated 17<sup>th</sup> December 2014 at Annexure 'B' as per condition (v) of Specific Conditions at para 'B' of the clearance letter dated 12<sup>th</sup> November 2016, and yet its violations are vivid through the photographs at Annexure 'D' collectively.</p> <p>Admit.</p> <p>Issue Notice by R.P.A.D. and Dasti as well. The Applicant to complete all the requisitions within three (3) days. Notice made returnable on 28<sup>th</sup> May, 2017.</p> <p>Service affidavit shall be filed upon effecting service of notice, failure to file service affidavit will entail dismissal of the Application.</p> <p><b>List the case on 29<sup>th</sup> May 2017</b></p> <p style="text-align: right;">....., <b>JM</b><br/><b>(Justice U.D. Salvi)</b></p> <p style="text-align: right;">....., <b>EM</b><br/><b>(Ranjan Chatterjee)</b></p> |

**BEFORE THE NATIONAL GREEN TRIBUNAL, WESTERN ZONE  
BENCH, PUNE**

**Orig. Application No. 73/2017 (WZ)**

In the matter of :-

**Subhaniya Ismail Vrs. Vrs. M/s. RSPL Ltd. & Ors.**

**CORAM : HON'BLE MR. JUSTICE U.D. SALVI, JUDICIAL MEMBER  
HON'BLE MR. RANJAN CHATERJEE, EXPERT MEMBER**

**Present: Applicant/Appellant : Mr. Jeetendra Malkan, Adv.  
Respondent No.1 : Mr. Ramesh D. Soni, Adv.a/w.  
Mr. Amit Agashe, Adv.**

| <b>Date and Remarks</b>  | <b>Orders of the Tribunal</b>  |
|--|--|
| <b>Item No.11<br/>29<sup>th</sup> May, 2017<br/>Order No.2</b> | <p>Affidavit of service dated 23<sup>rd</sup> May 2017 is placed before us alongwith online tracking report in respect of despatch of notice to Respondent No.2. It is revealed that there are Dasti acknowledgments passed by Respondent Nos. 1 and 3 and service of notice on Respondent No.2 is vouched by the online tracking report. Service is thus complete.</p> <p>Reply has been filed on behalf of Respondent No.1- M/s. RSPL Ltd. Copy of the reply be furnished to the Applicant.</p> <p>Nobody appears on behalf of Respondent Nos.2 and 3. Matter to proceed exparte against Respondent Nos. 2 and 3.</p> <p>Learned counsel appearing on behalf of Applicant submits that use of tugs/ barges and JCB as reflected in the photographs at Annexure 'D' colly. is violation of EC conditions and, therefore, interim direction requires to be passed restraining the Respondent No.1 from committing breach of the EC condition. He submits that he will be filing rejoinder to the reply of Respondent No.1 within (three) 3 weeks.</p> <p>Learned counsel appearing on behalf of Respondent No.1 invites our attention to para 11 of its reply dated 29<sup>th</sup> May 2017. He submits that the machinery which is found depicted in photographs Annexure 'D' to the Application were referred to in form No.1 at clause</p> |

**Item No.11**  
**29<sup>th</sup> May, 2017**  
**Order No.2**

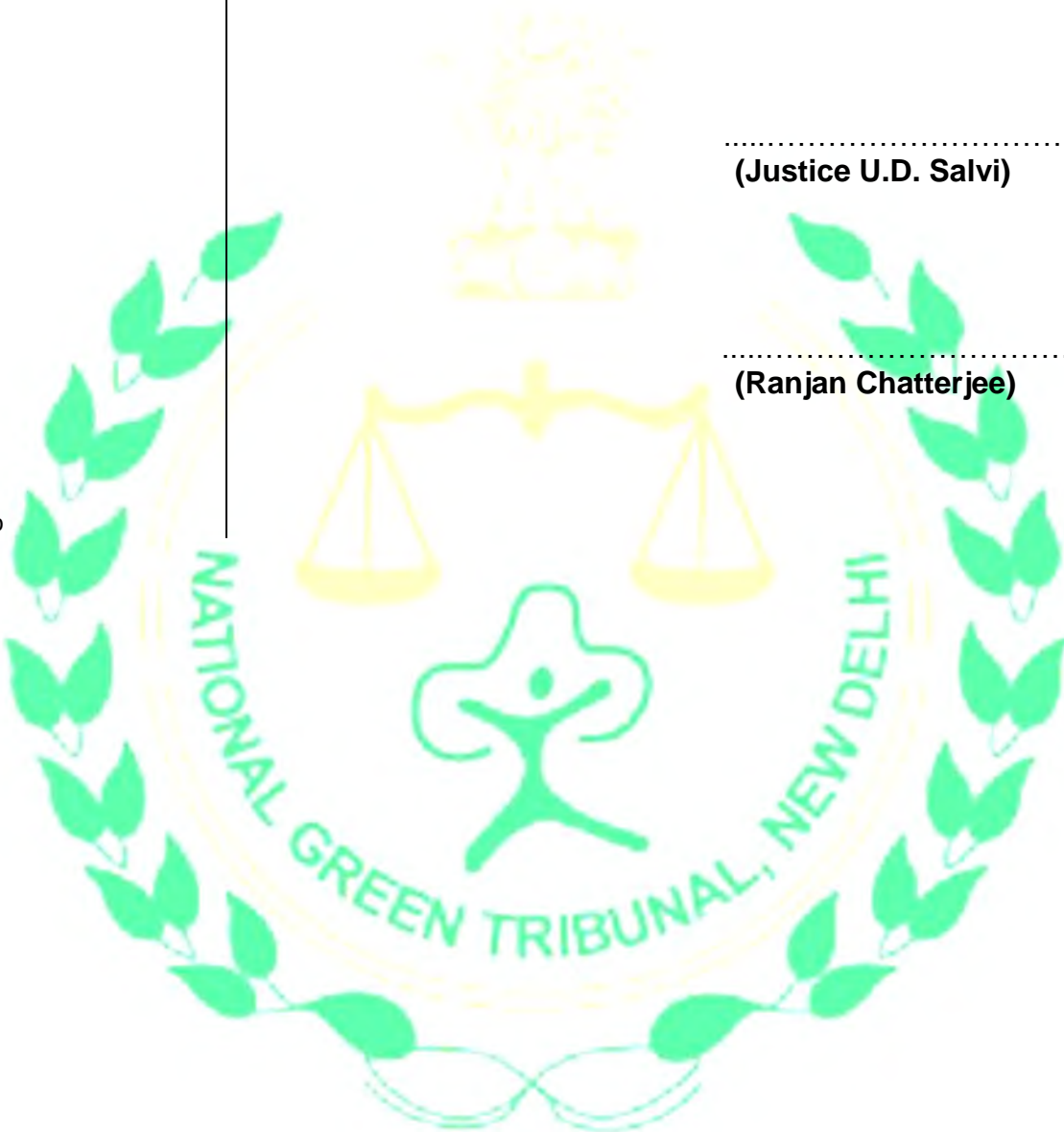
1.31 and the same are not heavy machinery as alleged. It is further submitted on behalf of Respondent No.1 that the project area, particularly at the place of intake and outfall carried out where the work as shown in photographs Annexure 'D' is going on, does not have any important marine eco-system. He submits that Respondent No.1 shall not violate the terms and conditions of the EC granted to them.

**List the case 12<sup>th</sup> July, 2017.**

....., JM  
**(Justice U.D. Salvi)**

....., EM  
**(Ranjan Chatterjee)**

ajp



**BEFORE THE NATIONAL GREEN TRIBUNAL, WESTERN ZONE  
BENCH, PUNE**

Original Application No.73/2017(WZ)  
Subhaniya Ismail Osman V/s RSPL Ltd & Ors

**CORAM: HON'BLE MR JUSTICE U.D.SALVI, JUDICIAL MEMBER**

|          |                     |   |   |
|----------|---------------------|---|---|
| Present: | Applicant/Appellant | : | Mr. Jitendra Malkan Adv                       |
|          | Respondent No.1     | : | Mr. Ramesh Soni Adv a/w<br>Mr Amit Agashe Adv |
|          | Respondent No.2     | : | Mr. Rahul Garg Adv                            |
|          | Respondent No.3     | : | Supriya Dangare Adv h/f<br>Nanavati & Co.     |

| <b>Date and Remarks</b>                    | <b>Orders of the Tribunal</b>  |
|--|--|
| Item No. 11<br>July 12, 2017<br>Order No.5 | <p>Replies have been filed by Respondent No. 1.</p> <p>Applicant has also filed rejoinder thereto. Others seek time to file replies. Two (2) weeks' time is granted for filing replies. Advance copy of the replies be furnished to the Applicant, who may file rejoinder thereto, if any, within a week thereafter. No further time for filing replies/rejoinder will be granted.</p> <p>Liberty granted to the parties to place material in support of their contentions within a week. Material shall be exchanged between the parties.</p> <p><b>List the case for considering submissions of the parties on interim relief on 31<sup>st</sup> July, 2017.</b></p> <p style="text-align: right;">....., JM<br/>(Justice U.D.Salvi)</p> |

**BEFORE THE NATIONAL GREEN TRIBUNAL, WESTERN ZONE  
BENCH, PUNE**

Application No.73/2017 (WZ)

In the matter of:-

Subhaniya Ismail Osman V/s M/s. RSPL Ltd. & Ors.

**CORAM: HON'BLE MR. JUSTICE U. D. SALVI, JUDICIAL MEMBER  
HON'BLE MR. RANJAN CHATTERJEE, EXPERT MEMBER**

**Present:**

|                            |   |
|----------------------------|---|
| <b>Applicant/Appellant</b> | <b>: Mr. Jitendra Malkan, Adv.</b>  |
| <b>Respondent No.1</b>     | <b>: Mr. Kavin Gulati, Sr. Adv. a/w<br/>Mr. R.D. Soni, Adv.<br/>Ms. Vasudha Zutshi, Adv.<br/>Mr. Alok Pathak, Adv.<br/>Mr. Siddhartha Choudhary, Adv.<br/>Mr. Amit Agashe, Adv.</b> |
| <b>Respondent No.2</b>     | <b>: Mr. Rahul Garg, Adv.</b>   |
| <b>Respondent No.3</b>     | <b>: Mrs. Supriya Dangare, Adv. h/f<br/>Nanawati &amp; Co.</b>  |

| <b>Date and Remarks</b>  | <b>Orders of the Tribunal</b>   |
|--|---|
| <b>Item No.9<br/>31<sup>st</sup> July,<br/>2017<br/>Order No.3</b> | <p>Replies have been filed by Respondent Nos.1 and 2. Others have not filed reply. Affidavit in rejoinder has also been filed thereto.</p> <p>We were to consider the grant of interim relief before dwelling upon the merits of the main application.</p> <p>Learned Counsel appearing on behalf of the Respondent No.1 – Project Proponent submits that the work in question has progressed 60-65% following the informed decision taken by the authorities to grant EC. He further submits that the use of Tugs, Barges were duly considered by the authorities in course of the proceeding of grant of EC and the terrain at the site of the work is not conducive to turtle nesting and this fact has been acknowledged by Zoological Survey of India and Chief Conservator of Forest, Marine National Park. In view of this he submits that the Respondent No.1 cannot be branded as violator of the terms and conditions of the EC granted for the work. Learned Counsel appearing on behalf of the Applicant seeks time to answer the submissions made on behalf of the Respondent No.1.</p> <p style="text-align: center;"><b>List this case on 3<sup>rd</sup> August, 2017.</b></p> <p style="text-align: right;">....., <b>JM</b><br/><b>(Justice U. D. Salvi)</b></p> <p style="text-align: right;">....., <b>EM</b><br/><b>(Ranjan Chatterjee)</b></p> |

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**BEFORE THE NATIONAL GREEN TRIBUNAL  
(WESTERN ZONE) BENCH, PUNE**

**ORIGINAL APPLICATION NO.73 OF 2017**

**CORAM:**

**HON'BLE MR. JUSTICE U.D.SALVI**  
**(Judicial Member)**

**HON'BLE MR. RANJAN CHATTERJEE**  
**(Expert Member)**

**In the matter of:**

**Subhaniya Ismail Osman**  
Residing at Bander Road,  
Near Prime P.C.O,  
Salaya  
District Devbhumi Dwarka-361310.

.....**APPLICANT**

**Versus**

**1. M/s RSPL Limited**

Having Registered Office at  
119-121 (Part), Block P & T  
Fazal Gang, Kalpi Road,  
Kanpur-208 012.

**2. Government of India**

Notice may be served through  
The Secretary,  
Ministry of Environment,  
Forest and Climate Change (I.A. Division)  
Indira Pariyavaran Bhavan  
Aliganj, Jorbagh Road,  
New Delhi-110003.

**3. Government of India**

Notice may be served through  
The Secretary,  
Ministry of Environment,  
Block No.14,  
8<sup>th</sup> Floor, Sachivalaya,

**Counsel for Applicant (s):**

**Mr. Jitendra Malkan for the Applicant.**

**Counsel for Respondent (s):**

**Mr. Kavin Gulati Sr. Advocate a/w Mr. R.D. Soni Advocate, Mr Alok Pathak, Adv. Mr. Amit Agashe, Advocate, Ms. Vasudha Zutshi, Advocate, Mr Sidharth Chaudhary for Respondent No.1.**

**Mr. Rahul Garg, Advocate for Respondent No.2.**

**Ms. Supriya Dangare Advocate h/f Nanavati & Co. for Respondent No.3.**

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**Date: 4<sup>th</sup> October, 2017**

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**ORDER**

Heard. Perused Record.

**1.** The Applicant claiming to be a local fisherman from Salaya, DV Nagar, Dwarka, is seeking interim relief in terms of the prayer Clause (2) in the Main Application i.e. restraint on Respondent No.1 M/s RSPL Limited from carrying out further project work, particularly, laying of pipeline beneath the seabed near seashore in intertidal area at Kuranga, Tal. Dwarka, District: Jamnagar, Gujarat.

**2.** According to the Applicant, Respondent No.1 - M/s RSPL Ltd have been granted consolidated Environment Clearance and CRZ Clearance on 12th November, 2015 to its greenfield Soda Ash Plant along with captive Power Plant at Village Kuranga, District Dwarka, District Jamnagar,

Gujarat but has violated specific conditions in respect of CRZ Clearance by undertaking underwater rock blasting and using heavy machinery in the Turtle nesting area in contravention of recommendations and conditions specified by the Gujarat Coastal Zone Management Authority (GCZMA) vide letter No. ENV-10-2014-72-E dated 17<sup>th</sup> December, 2014.

The Applicant has produced before us:

- i)** Copies of consolidated EC and CRZ Clearances dated 12<sup>th</sup> November, 2015;
- ii)** Copy of letter No.ENV-10-2014-72-E dated 17.12.2014, incorporating the recommendations of GCZMA;
- iii)** The photographs of the site;
- iv)** Copy of Environment Report on the Coastal and Marine Environment, Gujarat State-2012;
- v)** Extracts from the Report- "Evaluation of Sea-Turtles by Gujarat Ecology Commission".

**3.** Respondent No.1-RSPL Ltd responded to the Application with Affidavit-in-reply dated 29<sup>th</sup> May, 2017 and its response was re-joined by the Applicant with Affidavit-in-rejoinder dated 19<sup>th</sup> June, 2017. Respondent No.1 has also filed additional affidavit dated 11<sup>th</sup> July, 2017.

**4.** Respondent No.2- the Ministry of Environment and Forest (MoEF) resisted the Application with Affidavit in reply dated 10<sup>th</sup> July, 2017. Further Affidavit-in-rejoinder dated 26<sup>th</sup> July, 2017 has also been filed by the Applicant.

**5.** Both Respondent No.2- MoEF and Respondent No.3 – Department of Forest and Environment, State of Gujarat have contended that the present application is misconceived inasmuch as the Applicant has challenged the consolidated environmental and CRZ clearance dated 12<sup>th</sup> November, 2015 by way of the present application under Section 14 of the National Green Tribunal Act, 2010 and not by way of an appeal which if filed would have been grossly time barred.

**6.** Learned Counsel appearing on behalf of the Applicant submitted that the Applicant is not challenging the consolidated environment clearance and CRZ clearance granted to the project but is questioning the activity of the Respondent No.1 carried out at the project site in contravention of the terms and conditions stipulated for the grant of consolidated environment and CRZ clearance. This fact is apparent from the tenor of the application. It is, therefore, necessary to examine whether there has been any such culpable contravention of the terms and conditions stipulated for the grant of consolidated environment and CRZ clearance and whether such violations, if any, warrant restraint on the activity of the Respondent No.1 as sought by the Applicant.

**7.** Admittedly, the Respondent No.1 – RSPL Limited is laying intake and outfall pipeline in the intertidal and subtidal area at the locations indicated by the National Institute of Oceanography on the seashore of Kuranga,

Taluka – Dwarka, Dist. Jamnagar, Gujarat with the help of Jackup Barge and JCB as seen in the photographs at Annexure-D collectively. FORM-1 filed by the Respondent No.1 – RSPL Limited Annexure-1 to Affidavit in Reply dated 29<sup>th</sup> May, 2017 (page-73) gives the description of size of the project as under:

|  |   |                  |                   |                  |                        |  |
|--|---|------------------|-------------------|------------------|------------------------|--|
| <b>Size of the project (in terms of total area):-</b>  | <u>Laying of pipelines for Seawater Intake and disposal of Effluent falling under CRZ area.</u> |                  |                   |                  |                        |  |
|  | <b>For Intake facilities:</b>   |                  |                   |                  |                        |  |
|  | <b>Area</b>   | <b>Width (m)</b> | <b>Length (m)</b> | <b>Area (ha)</b> | <b>Total area (ha)</b> |  |
|  | Intertidal  | 5                | 70                | 0.035            | 0.95                   |  |
| Subtidal   | 20  | 456              | 0.9120            |                  |                        |  |
| <b>For Effluent Disposal facilities:</b>   |   |                  |                   |                  |                        |  |
| <b>Discharge point</b>   | <b>Area</b>   | <b>Width (m)</b> | <b>Length (m)</b> | <b>Area (ha)</b> | <b>Total area (ha)</b> |  |
| OF1  | Intertidal  | 5                | 80                | 0.04             | 5.35                   |  |
|  | Subtidal  | 20               | 2655              | 5.3              |                        |  |
| OF2  | Intertidal  | 5                | 80                | 0.04             | 2.28                   |  |
|  | Subtidal  | 20               | 1120              | 2.24             |                        |  |
| <p>Further onshore buried pipelines will be laid for the Seawater Water Intake and Effluent Disposal Pipelines. The plant boundary is located at an approx. distance of 850 m from the nearby seashore.</p> <p>Hence for laying of pipelines, approx.. 10-15 mt wide individual corridors will be required in CRZ area (500 m from the High Tide Line) for underground laying the pipelines.</p> |   |                  |                   |                  |                        |  |

8. Learned Counsel appearing on behalf of Respondent No.1 submitted that the project is almost 60-

65% completed and is being implemented in most time-efficient manner using latest eco-friendly technologies. He further submitted that the Respondent No.1 - M/s. RSPL Limited had revealed all the facts regarding use of Tugs, Barges as well as construction/laying of the submarine line with special equipment namely excavators, cranes, trailers, dozers, etc in FORM-1 at para 1.31 and 6.1 filled in for seeking the said clearance and the authorities had taken informed decision thereupon and granted the consolidated environment and CRZ clearance. According to him, tugs, barges are not heavy machineries as alleged and are essential components to carry out marine project work, particularly when the work in question which requires to be expeditiously carried out to avoid adverse influence on the environment due to time overrun or improper planning. He submitted that the site where the work in question is being carried out is not sea-turtle nesting site as observed in Site Monitoring Report - July-August, 2016 and observations recorded by Zoological Survey of India dated 10<sup>th</sup> July, 2017 and Status Report dated 22<sup>nd</sup> June, 2017 of Chief Conservator of Forest, Jamnagar. He submitted that the Tribunal while passing interim direction ought to consider the question as regards the existence of the prima facie case, balance of convenience and also the question as to whether any irreparable injury will be caused to the Applicant in terms of the environment damaged, a cause which he espouses. He relied upon the Judgment of the

Hon'ble Apex Court in ***Bombay Dyeing & Manufacturing Co. Ltd Vs. Bombay Environmental Action Group and Ors [(2005) 5 SCC 61: Bombay Dyeing & Manufacturing Co. Ltd Vs. Bombay Environmental Action Group and Ors]***.

9. Learned Counsel appearing on behalf of the Applicant submitted that para 1.31 of FORM-1 which reads as under:

|      |  |     |   |
|------|--|-----|---|
| 1.31 | Transport of personnel, or materials for construction, operation or decommissioning? | Yes | Vehicles will be used for carrying equipment/materials and manpower. During construction/laying of submarine pipelines, tugs, barge etc. will be used for certain period. |
|------|--|-----|---|

dealt with transportation of personnel or materials for construction, operation or decommissioning and cannot be read as one with reference to the construction/laying of the pipeline. He further submitted that reference is only found made to Barge, the simple meaning of which as per Black's Law Dictionary is: 'boat that is flat, it travels canals and rivers. It is uncovered and can be pushed or towed' and it is thus floating vessel and not one standing on the legs as "Jackup Barge". According to him, the movement of Jackup Barge along with the turbulence due to work will have irrecoverable impact on the sea-bed due to lowering and raising of the legs of the Jackup Barge thereby compacting the sea-bed and killing the life on the sea-bed.

**10.** As can be seen from the perusal of the FORM-1 filed by the Respondent No.1- RSPL Limited to reveal the necessary particulars like basic information, activity undertaken and environmental sensitivity of the area vide Annexure – 1 to the Affidavit in Reply dated 29<sup>th</sup> May, 2017, the authorities were made aware of the pertinent information like the size of the project including requirement of 10-15 mt wide individual corridors in laying of the pipelines in intertidal and subtidal area, excavation i.e. trenching/tunnel for laying of seawater intake/effluent disposal (para 1.3, 1.5), use of submarine pipelines, tugs, barges etc during the construction of laying work (para 1.31), operation of equipment such as excavators, cranes, trailers, dozers etc. (para 6.1) and blasting or piling (para 6.4); and thereupon the authorities had taken informed decision as regards the grant of consolidated environmental clearance and CRZ clearance to the project. Specific condition in respect of CRZ at para-B(v) stipulates that all the recommendations and conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide letter No.ENV-10-2014-72E dated 17<sup>th</sup> December, 2014 shall be complied with.

**11.** Perusal of the recommendations made by Gujarat Coastal Zone Management Authority vide letter dated 17<sup>th</sup> December, 2014 Annexure-7 to the Affidavit in reply dated 29<sup>th</sup> May, 2017 reveals the reference to the use of heavy machinery and large vessels in Observation (ix) as under:

“ix. The aesthetics of the coastal zone off Kuranga would deteriorate due to the presence of construction machinery, materials and left-over solid waste, If the construction is prolonged due to time-overruns or improper planning, the adverse influence would increase accordingly. The birds using the intertidal area around the project site are not expected to be impacted adversely as the limited excavation does not warrant the use of heavy machinery and large vessels. Marine reptiles and mammals would not be affected due to the construction activities since they keep away from such sites. Since there are no major commercial fishing operations close to the shore, the impact on fisheries would be minor.”

Reading of Condition No.8 stipulated therein persuades us to examine the impact of this observation. For ready reference Condition No.8 is reproduced herein below:

“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.”

Assuming the same to be a suggestion not to use heavy machinery and large vessels, we do not find in express terms, particularly, when the facts regarding the use of tugs, barges, excavators, etc. was made in FORM-1 as to what heavy machinery as regards the project in question would be. Moreover, Jackup Barge is an improvised version of the barge which would facilitate the work of excavation in intertidal area round the clock, both when the tide engulfs the tidal area and recedes therefrom. Phrase “heavy machinery”, therefore, requires to be understood with reference to the context with the object

and purpose of CRZ Notification, 2011. Opening paragraphs of the CRZ Notification reveal to us its object and purpose in following terms:

“Now, therefore, in exercise of the powers conferred by Sub-Section (1) of Clause (v) of the Sub-Section (2) of Section 3 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government, with a view to ensure livelihood security to the Fisher Communities and other Local Communities, living in the coastal areas, to conserve and protect coastal stretches, its unique environment and its marine area and to promote development through sustainable manner based on scientific principles taking into account the dangers of natural hazards in the coastal areas, sea level rise due to global warming, does hereby declare.....”

A sustainable development based on scientific principles assuring conservation and protection of coastal stretches and its unique environment is the goal of the CRZ Notification, 2011. It is, therefore, imperative to examine from the material before us to find out whether the use of Jackup Barge and such other machinery sub-serve this object of CRZ Notification or not.

**12.** Such material is available in the undisputed recommendations of Gujarat Coastal Zone Management Authority vide letter dated 17<sup>th</sup> December, 2014 which gives the pertinent observations made by NIO, Mumbai. Observation No. ix therein gives a warning that ‘if the construction prolongs due to time overruns or improper planning the adverse influence would increase accordingly’. Expectation of NIO is to see that the project is completed expeditiously without unnecessary loss of time. Nowhere it

has stipulated ban on machines and prescribed manual efforts only for the reason of such expectation to curtail adverse influence on the environment with the passage of time spend on the project work. Observation Nos. xvii, xviii, xix which are reproduced herein below afford clear view to what will happen to the marine environment and to what extent:

xvii. Trenching/pipelaying in the area having hard substratum/sand has relatively low potential to disperse the bed sediment. The impact would be localized, temporary and confined only to the construction phase. The sediment of the region is unpolluted; hence, there would not be deterioration in the water quality on this account. Since the area possesses hard substratum/sand and the excavated sediment is a small volume, it is unlikely to cause change in the sediment texture on a wider area. Misuse of the intertidal area by the work force can locally degrade the sediment quality by increasing BOD and population of pathogens. The impact, however, would be minor and temporary.

xviii. The intertidal corridor is largely composed of degraded reef and sand with isolated patches of seaweeds with a few species. Hence, no significant loss of flora and fauna is envisaged. Loss of localized weeds would be easily recouped by fresh recruitment once the activities are terminated. The impact of increase in turbidity due to enhanced levels of SS, if any, would be local and temporary with the phytoplankton community structure remaining more or less unaltered. Zooplankton are unlikely to be affected.

xix. The project would have negative impact on benthic habitats which would be destroyed during pipelaying. However, this loss would be minor and temporary and the benthos would re-colonise in due course after the construction activities are terminated. Moreover, structures would provide additional surface area for benthos to colonise on the newly created substratum. Since the corridor selected is

devoid of corals and mangroves, their destruction during the construction is unlikely.”

**13.** In our considered view, therefore, the use of Jackup Barge, excavators, etc. cannot be viewed as a machinery the use of which is counter-productive to the marine environment. Learned Counsel appearing on behalf of the Applicant submitted that Respondent No.1 – RSPL Limited is under obligation to ensure that laying of pipeline should be avoided during the breeding period of sea turtle i.e. between November and March vide Condition No.5 prescribed by the Gujarat Coastal Zone Management. He invited our attention to the ‘State of Environment Report on Coastal and Marine Environment Gujarat State’ at Annexure – G to the Affidavit in Rejoinder. He pointed out therefrom that Kharakhetar-Kuranga beach, Jamnagar coastal stretch has a sandy beach of value to the sea turtle for nesting. A Google imagery showing the extent of Kharakhetar-Kuranga coastal stretch vis-à-vis RSPL Limited is also found annexed to the Affidavit in Rejoinder dated 19<sup>th</sup> June, 2017 as Annexure – H. It gives a panoramic view of the said coastal stretch favoured by sea turtle for nesting. However, a more focused view of the coastal area in question vis-à-vis the sea turtle nesting has been placed before us by Respondent No.1 – RSPL Limited in form of inspection report and preliminary observations of the site made by Zoological Survey of India vide Annexure – 2 to their Additional Affidavit dated 11<sup>th</sup> July,

2017. Preliminary observations made by Zoological Survey of India upon the site visit are as under:

**“Preliminary observations:**

- i. There are *Prosopis* vegetation observed in the area and corridor background with hard rock substratum exposed in intertidal area.
- ii. The outlet point, recorded as per the geo-coordinate (22°00.047', 69°10.507') has similar topography as that of intake points (22°00.024', 69°59.993') with rocks expose in the intertidal region.
- iii. From the topography of the coastal stretch, it seems nesting intensity along the pipeline corridors could be rare, due to unsuitable habitat and rocky substratum.
- iv. There was no evidence of any old / fresh nests of sea turtles in the corridors, as observed during the field visit.
- v. There are pebbles and rubbles on the coastal corridors, which is generally not preferred by sea turtles for nesting due to unsuitability in digging nest by turtle for laying eggs. Also, heavy wave action was observed, therefore such conditions may not be preferred by sea turtle's approach for laying eggs on this stretch.”

Zoological Survey of India made following recommendations from the aforesaid preliminary observations:

- “i. Although sea turtle seems to avoid areas such as above being unsuitable for laying eggs, however M/s RSPL should monitor the surrounding areas on a daily basis and nesting observed/reported if any, the same to be informed to the Forest Department officials and the eggs to be translocated immediately to the nearest hatchery at Okha Madhi being maintained by Gujarat Forest Department, since they are as such the nest is subjected to predation.
- ii. Reclamation of intake and outlet corridor to be done by M/s RSPL immediately, after the civil work is completed.”

Annexure – 3 to the said Affidavit in Rejoinder is a copy of the letter dated 22<sup>nd</sup> June, 2017 from Chief Conservator of Forests, Marine National Park, Jamnagar addressed to

Respondent No.1 – RSPL Limited. It reiterates that considering the report of site visit of the committee consisting of GPCB, MNP, DEEFD and after countercheck with the local forest staff it was found that no sea turtle nesting activity is being observed surrounding the project pipeline corridor and also confirms that the said project is having rocky formation and devoid of sand which is a primary requirement for sea turtle nesting. Monitoring Report dated 6<sup>th</sup> September, 2016 of Dr. Bharat Jethva NABET Accredited FAF Category-1 Ecology & Biodiversity Gandhinagar produced by the Respondent No.1 – RSPL Limited reveals that the project site at Village Kuranga, Taluka Dwarka, District Devbhumi Dwarka was monitored by 4 site personals including environment engineers, site engineers and site managers/ in-charge trained to monitor ecological impacts due to construction and other activities made following pertinent observations:

**“Observations:**

- a. ....
- b. ....
- c. ....
- d. No endangered wildlife species/ wildlife have been reported at the Soda Ash project site as well as on the proposed Seawater Intake and outfall pipeline corridors.
- e. Rock formation found in and around the Intake and outfall pipeline corridor.
- f. No signs of presence of turtle nesting/ tracks/ predated nests / eggs have been observed along the pipeline corridors/ seacoast.

g. No mangroves are observed along the Kuranga seacoast.

h. ....”

In pursuance to these observations Dr. Bharat Jethva made the following pertinent recommendations:

**“Recommendations**

1. ....
2. ....
3. Complete the pipeline laying work job in stipulated time to negate impact on marine ecology.
4. Since no turtle breeding / nesting sites are observed nearby the project area which may be due to rocky formation found nearby the corridors, pipeline laying related activities can be carried out. However, in case of any sea turtle nests are encountered they shall be rehabilitated by consulting local forest department.”

**14.** The aforesaid facts revealed to us point out that no *prima facie* case for grant of interim injunction as prayed for is made out. Moreover, we find that the balance of convenience is in favour of the Respondent No.1- RSPL Limited and we see no irreparable injury to the coastal environment including the marine environment due to the work in question. However, as a precautionary measure we pass the following order:

- (i) We direct National Institute of Oceanography, Mumbai to depute a Senior Scientist to visit the site, carry out local investigation and report to us its findings regarding adverse impact, if any, on marine/coastal environment due to the work of laying of the underground pipeline in intertidal and subtidal area at the project site at Kuranga, Taluka Dwarka, District Devbhumi Dwarka undertaken by Respondent

No.1 – RSPL Limited; and to further periodically monitor the project site at Kuranga, Taluka Dwarka, District Devbhumi Dwarka every month during the progress of the said work. Liberty granted to NIO to carry out surprise checks. Any damage to the coastal/marine environment due to the work undertaken by Respondent No.1 – RSPL Limited shall be reported to us by the NIO.

(ii) Respondent No.1 – RSPL Limited shall continue to abide by the recommendations made by Gujarat Coastal Zone Management Authority as well as Zoological Survey of India.

(iii) No interim relief.

**15. List this case for further hearing on 10<sup>th</sup> October, 2017.**

....., **JM**  
**(Justice U.D. Salvi)**

....., **EM**  
**(Ranjan Chatterjee)**

**Date : 4<sup>th</sup> October, 2017**

mk





**BEFORE THE NATIONAL GREEN TRIBUNAL, WESTERN ZONE  
BENCH, PUNE**

Original Application No.73/2017(WZ)  
Subhaniya Ismail Osman V/s RSPL Ltd & Ors

**CORAM: HON'BLE MR JUSTICE U.D.SALVI, JUDICIAL MEMBER  
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER**

|          |                     |   |  |
|----------|---------------------|---|--|
| Present: | Applicant/Appellant | : | None present                                   |
|          | Respondent No.1     | : | Mr. Ramesh Soni Adv a/w<br>Mr. Amit Agashe Adv |
|          | Respondent No.2     | : | Mr. Rahul Garg Adv                             |
|          | Respondent No.3     | : | Ms.Supriya Dangare Adv h/f<br>Nanavati & Co.   |

| Date and Remarks                                  | Orders of the Tribunal  |
|---|---|
| Item No. 19<br>November 14,<br>2017<br>Order No.8 | <p>Interim relief was refused and the National Institute of Oceanography (NIO) was directed to carry out local investigation and monitor the project site for noticing any damage to the coastal/marine environment due to work undertaken by Respondent No.1 RSPL.</p> <p>We are informed that the work undertaken by Respondent No.1 RSPL is in progress and monitoring by NIO is going on.</p> <p>Nobody appears on behalf of the Applicant.</p> <p><b>List the case on 19<sup>th</sup> December, 2017.</b></p> <p style="text-align: right;">....., JM<br/>(Justice U.D.Salvi)</p> <p style="text-align: right;">....., EM<br/>(Dr Nagin Nadna)</p> |

**National Green Tribunal  
(Western Zone Bench)  
Pune**

No. NGT/WZ/PUNE/192/2018

Date : 8<sup>th</sup> February, 2018

**NOTICE**

This is to inform all concerned parties/Advocates and others appearing in the relevant matters/Appeals/Applications scheduled on the Cause list on **13<sup>th</sup> February, 2018** that Hon'ble Judicial Member and Hon'ble Expert Member will not be available at NGT(WZB), Pune on said date.

Following matters listed on the Cause list on **13<sup>th</sup> February, 2018** stand adjourned and re-scheduled on the dates shown against their names.

In case of urgency, the parties may appear before the Registrar, NGT (WZ), Pune Bench.

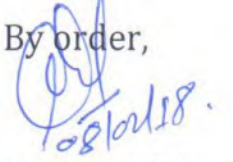
**CAUSE LIST DT. 13-02-2018**

| Sr. No. | Case No.   | Name of parties   | Adjourned & Re-scheduled on (date) |
|---------|--|---|------------------------------------|
| 1.      | Original Application<br>20/2017<br><b>M.A. 344/2017</b>  | Babubhai Saini<br>V/s<br>GPCB   | <b>14-03-2018</b>                  |
| 2.      | Original Application<br>42/2017  | Babubhai Saini<br>V/s<br>GPCB   | <b>14-03-2018</b>                  |
| 3.      | Appeal<br>110/2017(WZ)   | Tanaji Gambire<br>V/s<br>UOI & Through Sect. MOEF & CC & Ors.                             | <b>14-03-2018</b>                  |
| 4.      | Original Application<br>163/2017(WZ)   | Arvind P. Mhatre<br>V/s<br>MOEF & CC & Ors.   | <b>13-03-2018</b>                  |
| 5.      | Original Application<br>177/2016 (THC)<br><b>(Old No. PIL 182/2009)</b><br><b>M.A.351/2017</b> | Kaustubha Ghokhale & Anr.<br>V/s<br>State of Maharashtra through Chief Secretary & Ors.   | <b>13-03-2018</b>                  |
| 6.      | Appeal<br>70/2016 (WZ)   | Dr. Mukesh Shukla<br>V/s<br>National Biodiversity Authority, & Anr.                       | <b>14-03-2018</b>                  |
| 7.      | Appeal<br>14/2017(WZ)  | Juhu Moragaon Machhimar V.K.S.S.<br>Ltd. & Ors.<br>V/s<br>The State of Maharashtra & Ors. | <b>14-03-2018</b>                  |
| 8.      | Original Application<br>15/2017(WZ)  | Executive Engineer, Panvel, PWD<br>V/s<br>State of Maharashtra & Ors.                     | <b>13-03-2018</b>                  |
| 9.      | Appeal<br>17/2017 (WZ)   | Inacio C. Fernandes,<br>V/s<br>GCZMA  | <b>15-03-2018</b>                  |

|     |                                      |   |                   |
|-----|--------------------------------------|---|-------------------|
| 10. | Original Application<br>73/2017(WZ)  | Subhaniya Ismail Osman<br>V/s<br>M/s RSPL Ltd. & Ors.   | <b>13-03-2018</b> |
| 11. | Original Application<br>143/2017(WZ) | Kushabapu Pawar & Anr.<br>V/s<br>Padmashree Dr.Viththalrao Vikhe Patil<br>Sahakari Sakhar Karkhana & Ors. | <b>13-03-2018</b> |

The concerned parties, Advocates and others in the aforesaid matters shall take note of this and act accordingly.

By order,



(S. K. Karhale)  
Registrar  
NGT (WZB) PUNE

IN THE SUPREME COURT OF INDIA

CIVIL APPELLATE JURISDICTION

CIVIL APPEAL NO. 18901 OF 2017

SUBHANIYA ISMAIL OSMAN ... Appellant

VERSUS

M/S RSPL LIMITED & ORS. ... Respondents

O R D E R

We have heard learned counsel for the parties and have perused the material available on record. We do not find any merit in the appeal and the same stands dismissed.

....., J.  
[ A.K. SIKRI ]

....., J.  
[ ASHOK BHUSHAN ]

New Delhi;  
March 12, 2018.

ITEM NO.10

COURT NO.6

SECTION XVII

S U P R E M E C O U R T O F I N D I A  
RECORD OF PROCEEDINGS

Civil Appeal No. 18901/2017

SUBHANIYA ISMAIL OSMAN

Appellant(s)

VERSUS

M/S RSPL LIMITED & ORS.

Respondent(s)

(With IA No.15234/2018-PERMISSION TO FILE ADDITIONAL DOCUMENTS and  
IA 122927/2017 - FOR EXEMPTION FROM FILING C/C OF THE IMPUGNED  
JUDGMENT)

Date : 12-03-2018 This matter was called on for hearing today.

CORAM :

HON'BLE MR. JUSTICE A.K. SIKRI  
HON'BLE MR. JUSTICE ASHOK BHUSHAN

For Appellant(s)

Mr. Purvish Jitendra Malkan, AOR  
Ms. Dharita Purvish Malkan, Adv.  
Ms. Deepa Gorasia, Adv.  
Ms. Rumi Chanda, Adv.  
Mr. Bhaskar Singh, Adv.

For Respondent(s)

Mr. Kavin Gulati, Sr. Adv.  
Ms. Vasuda Zutshi, Adv.  
Mr. Siddhartha Chowdhury, AOR

UPON hearing the counsel the Court made the following  
O R D E R

The appeal stands dismissed in terms of the signed  
order.

(NIDHI AHUJA)  
COURT MASTER

(MALA KUMARI SHARMA)  
COURT MASTER

[Signed order is placed on the file.]

**National Green Tribunal  
(Western Zone Bench)  
Pune**

**No. NGT/WZ/PUNE/543/2018  
Date : 27<sup>th</sup> April, 2018**

**NOTICE**

This is to inform all concerned parties/Advocates and others appearing in the relevant matters/Appeals/Applications scheduled on the Cause list on **2<sup>nd</sup> May, 2018** that Hon'ble Judicial Member and Hon'ble Expert Member will not be available at NGT(WZB), Pune on said date.

Following matters listed on the Cause list on **2<sup>nd</sup> May, 2018** stand adjourned and re-scheduled on the dates shown against their names.

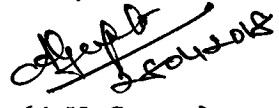
In case of urgency, the parties may appear before the Registrar, NGT (WZ), Pune Bench.

**CAUSE LIST DT. 02-05-2018**

| <b>Sr. No.</b> | <b>Case No.</b>  | <b>Name of parties</b>   | <b>Adjourned &amp; Re-scheduled on (date)</b> |
|----------------|--|--|---|
| 1.             | <b>M.A. 80/2015<br/>In<br/>In<br/>Application No.<br/>9(THC)/2013<br/>Disposed 5.11.2014</b>           | Bhauasaheb S/o Bhimaji Kulat<br>V/s<br>State of Maharashtra & Ors.                 | <b>22-05-2018</b>                             |
| 2.             | Execution Application<br>8/2016 (WZ)<br>IN<br>Application<br>48/2014 (WZ)<br><b>Disposed 27.1.2015</b> | Wireless Colony CHS.<br>V/s<br>M/s. Chaitrali<br>Builders/<br>Sumashilp & Ors.     | <b>22-05-2018</b>                             |
| 3.             | Appeal<br>03/2018(WZ)<br><b>M.A.12/2018</b>  | Ramiro Mascarenhas<br>V/s<br>State of Goa & Ors.                                   | <b>22-05-2018</b>                             |
| 4.             | Original Application<br>202/2017(WZ)   | Jamrutkhar Gramstha Mandal through<br>Ramesh patil<br>V/s<br>Union of India & Ors. | <b>22-05-2018</b>                             |
| 5.             | Original Application<br>19/2018(WZ)  | Gulab Choudhari<br>V/s<br>M/s Ultra Tech Cement Ltd & Ors.                         | <b>22-05-2018</b>                             |
| 6.             | Original Application<br>07/2018(WZ)  | Mr. Prakash Virsingh Adhe & Ors.<br>V/s<br>M/s Kashmir Stone Crusher & Ors.        | <b>22-05-2018</b>                             |
| 7.             | Original Application<br>99/2017(WZ)  | Tarun Patel<br>V/s<br>MOEF & Ors.  | <b>22-05-2018</b>                             |
| 8.             | Original Application<br>124/2017(WZ)<br><b>M.A.299/2017</b>  | Arvind Mahajan & Ors.<br>V/s<br>M/s. Benzo Chem. Industries Pvt.Ltd. &<br>Ors.     | <b>22-05-2018</b>                             |

|     |  |   |            |
|-----|--|---|------------|
| 9.  | Original Application<br>180/2017(WZ)<br>M.A. 383/2017                            | Ms. Purva Pravin Bora & Ors.<br>V/s<br>MoEFCC, & Ors.   | 22-05-2018 |
| 10. | Original Application<br>177/2016 (THC)<br>(Old No. PIL 182/2009)<br>M.A.351/2017 | Kaustubha Ghokhale & Anr.<br>V/s<br>State of Mah. Through Chief Secretary &<br>Ors.                       | 22-05-2018 |
| 11. | Appeal<br>9/2014(WZ)   | Anil Tharthare<br>V/s<br>The Secretary, Env't. Dept. Govt. Of<br>Maharashtra & Ors.                       | 22-05-2018 |
| 12. | Appeal<br>14/2014 (WZ)   | Santosh Daundkar<br>V/s<br>Secretary , MOEF, New Delhi & Ors.   | 22-05-2018 |
| 13. | Appeal<br>71/2016 (WZ)<br>M.A. 358/2016  | Amit Maru<br>V/s<br>Secretary, MoEF & CC & Ors  | 22-05-2018 |
| 14. | Appeal<br>66/2016 (WZ)<br>M.A. 73/2017   | Shankar Rohida<br>V/s<br>The Principal Secretary, Environment<br>Dept., & Ors.                            | 22-05-2018 |
| 15. | Original Application<br>163/2016 (WZ)  | Tanaji Balasaheb Gambhire.<br>V/s<br>The Principal Secretary, Environment<br>Department & Ors.            | 22-05-2018 |
| 16. | Original Application<br>73/2017(WZ)  | Subhaniya Ismail Osman<br>V/s<br>M/s RSPL Ltd. & Ors.   | 22-05-2018 |
| 17. | Original Application<br>143/2017(WZ)   | Kushabapu Pawar & Anr.<br>V/s<br>Padmashree Dr.Viththalrao Vikhe Patil<br>Sahakari Sakhar Karkhana & Ors. | 22-05-2018 |
| 18. | Original Application<br>15/2017(WZ)  | Executive Engineer, Panvel, PWD<br>V/s<br>State of Maharashtra & Ors.                                     | 22-05-2018 |

The concerned parties, Advocates and others in the aforesaid matters shall take note of this and act accordingly.

By order,  
  
(A.K. Gupta)  
Assistant Registrar  
NGT (WZB) PUNE



National Green Tribunal/राष्ट्रीय हरित अधिकरण  
Western Zone Bench/पश्चिमी क्षेत्र न्यायपीठ  
New Administrative Building, D-Wing/नवीन प्रशासनिक इमारत, डी-विंग,  
1<sup>st</sup> floor, Opposite Council Hall /प्रथम मंज़िल, विधान भवन के पीछे,  
Camp, Pune - 411 001/कैम्प, पुणे- 411 001

\*\*\*\*\*

Bench is not available/ constituted at National Green tribunal,  
Western Zone Bench, Pune. Hence, adjourned.

Sd/-  
(Registrar)  
NGT,WZB, PUNE

## ગામ નમૂનો નંબર ૮-અ (જમીનની ખાતાવહી)

ગામ/ મોજે: કુરંગા જિલ્લો: દેવભુમિ દ્વારકા  
ખાતા નંબર: ૯૩૫ તાલુકો: દ્વારકા

કબ્જેદારોના નામ:

આર.એસ.પી.એલ.લીમીટેડ&lt;૨૯૬૬&gt;

| નમૂના ૬ નો<br>નોંધ નંબર | બ્લોક/ સરવે નંબર<br>તથા હિસ્સો | ક્ષેત્રફળ<br>હે.-આરે.-ચો.મી. | આકાર જુડી<br>બી. ખે. વિ. | લોકલ<br>સેસ | શિક્ષણ<br>ઉપ-કર | અન્ય<br>કર | અન્ય વિગત |
|-------------------------|--------------------------------|------------------------------|--------------------------|-------------|-----------------|------------|-----------|
| ૨૯૬૬                    | ૩૬૨                            | ૩-૭૦-૯૪                      | ૦.૦૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૬૩                            | ૦-૭૧-૯૧                      | ૦.૫૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૬૪/ પૈકી ૧                    | ૨-૯૮-૧૫                      | ૦.૧૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૬૭/ પૈકી ૧                    | ૫-૪૨-૭૨                      | ૦.૦૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૬૮                            | ૨-૭૬-૩૨                      | ૨.૮૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૬૫                            | ૩૫-૭૭-૭૮                     | ૩૯.૪૫                    |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૭૩                            | ૧-૩૯-૬૦                      | ૧.૫૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૭૪                            | ૨-૮૫-૦૩                      | ૩.૮૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૮૦                            | ૦-૮૪-૧૦                      | ૧.૨૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૮૧                            | ૨૦-૭૬-૯૫                     | ૦.૦૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૮૩                            | ૪-૪૭-૯૩                      | ૨.૫૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૮૪                            | ૧૫-૩૦-૬૫                     | ૧૨.૬૦                    |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૮૭                            | ૭-૫૮-૭૯                      | ૦.૦૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૮૮                            | ૯-૫૪-૮૯                      | ૫.૩૩                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૯૪                            | ૧-૬૯-૨૭                      | ૧.૧૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૩૯૬                            | ૧-૭૯-૯૯                      | ૧.૧૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૪૬૯                            | ૧-૯૪-૯૭                      | ૨.૦૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૪૭૦                            | ૧-૩૩-૫૫                      | ૦.૯૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૪૭૧                            | ૨૪૭-૨૮-૮૦                    | ૨૪૬.૨૨                   |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૪૮૧                            | ૨-૧૦-૨૪                      | ૨.૨૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૪૯૬                            | ૦-૯૦-૮૯                      | ૨.૨૫                     |             |                 |            | ઉદ્યોગ    |
| ૩૦૧૬                    | ૪૯૮                            | ૨-૫૭-૨૯                      | ૧.૯૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૪૯૫                            | ૧-૯૨-૮૬                      | ૦.૭૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૬૦૪                            | ૨-૬૩-૪૭                      | ૨.૭૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૬૦૯                            | ૨-૯૪-૯૫                      | ૨.૭૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૬૧૨                            | ૧-૯૧-૭૫                      | ૬.૪૫                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૬૩૦                            | ૬-૨૭-૧૯                      | ૧૨.૬૦                    |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૬૩૧                            | ૩-૨૩-૩૧                      | ૪.૬૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૬૪૫                            | ૮-૧૮-૧૧                      | ૮.૪૦                     |             |                 |            | ઉદ્યોગ    |
| ૨૯૬૬                    | ૬૬૬                            | ૦-૮૦-૯૮                      | ૧.૦૦                     |             |                 |            | ઉદ્યોગ    |



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DS REVENUE DEPARTMENT

GOVERNMENT OF GUJARAT

Date: 01-02-2022 13:12:48 IST

MAMLATDAR OFFICE, OKHAMANDAL



ગામ નમૂનો નંબર ૮-અ (જમીનની ખાતાવહી)

|            |             |                  |               |        |
|------------|-------------|------------------|---------------|--------|
| ૨૯૬૬       | ૬૬૮         | ૨-૯૧-૩૮          | ૨.૪૫          | ઉદ્યોગ |
| ૨૯૬૬       | ૬૯૮         | ૧-૫૫-૮૧          | ૨.૦૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૭૦૪         | ૧-૬૧-૯૨          | ૦.૯૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૭૦૮         | ૧-૧૯-૧૭          | ૦.૯૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૭૦૯         | ૧-૧૯-૧૨          | ૦.૯૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૭૧૫         | ૨-૧૬-૫૭          | ૧.૦૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૭૩૧         | ૧-૬૨-૦૮          | ૧.૪૦          | ઉદ્યોગ |
| ૩૦૧૬       | ૭૯૬         | ૧-૪૬-૮૫          | ૧.૨૪          | ઉદ્યોગ |
| ૨૯૬૬       | ૭૯૫         | ૦-૮૦-૯૯          | ૦.૭૬          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૧૫         | ૨-૩૭-૨૨          | ૧.૭૫          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૨૩/ પૈકી ૧ | ૧-૪૨-૭૮          | ૦.૧૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૨૪/ પૈકી ૧ | ૨-૯૪-૮૫          | ૧.૫૫          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૨૬         | ૨-૧૦-૬૫          | ૧.૭૫          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૨૭/ પૈકી ૧ | ૪-૪૮-૯૧          | ૦.૦૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૩૭         | ૪-૨૬-૯૩          | ૬.૮૫          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૩૮         | ૭૫-૨૩-૫૦         | ૮૦.૯૮         | ઉદ્યોગ |
| ૨૯૬૬       | ૫૩૫         | ૫-૫૨-૪૩          | ૦.૦૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૬૨         | ૧-૪૦-૮૦          | ૧.૨૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૭૫         | ૧-૫૧-૯૩          | ૧.૭૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૮૧         | ૦-૮૪-૩૯          | ૧.૬૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૮૪         | ૪-૦૦-૮૮          | ૫.૨૫          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૮૫         | ૨-૬૨-૫૭          | ૨.૭૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૯૧         | ૧-૮૩-૫૧          | ૦.૦૦          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૯૨         | ૨-૪૪-૮૪          | ૩.૮૫          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૯૩         | ૪-૨૪-૯૦          | ૪.૩૫          | ઉદ્યોગ |
| ૨૯૬૬       | ૫૯૬         | ૨-૧૦-૪૪          | ૨.૨૦          | ઉદ્યોગ |
| <b>કુલ</b> | <b>(૫૬)</b> | <b>૫૩૫-૬૮-૯૦</b> | <b>૪૯૪.૪૩</b> |        |



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 GOVERNMENT OF GUJARAT  
 Date: 01-02-2022 13:12:48 IST  
 MAMLATDAR OFFICE, OKHAMANDAL



**English Version**

| <b>Sr. No.</b> | <b>Survey Nos.</b> | <b>Area (ha.)</b> | <b>Land use</b> |
|----------------|--------------------|-------------------|-----------------|
| 1.             | 362                | 3.7094            | Industrial      |
| 2.             | 363                | 0.7191            | Industrial      |
| 3.             | 364 / Paiki 1      | 2.9815            | Industrial      |
| 4.             | 367 / Paiki 1      | 5.4272            | Industrial      |
| 5.             | 368                | 2.7632            | Industrial      |
| 6.             | 365                | 35.7778           | Industrial      |
| 7.             | 373                | 1.3960            | Industrial      |
| 8.             | 374                | 2.8503            | Industrial      |
| 9.             | 380                | 0.8410            | Industrial      |
| 10.            | 381                | 20.7695           | Industrial      |
| 11.            | 383                | 4.4993            | Industrial      |
| 12.            | 384                | 15.3065           | Industrial      |
| 13.            | 387                | 7.5879            | Industrial      |
| 14.            | 388                | 9.5489            | Industrial      |
| 15.            | 394                | 1.6927            | Industrial      |
| 16.            | 396                | 1.7999            | Industrial      |
| 17.            | 469                | 1.9497            | Industrial      |
| 18.            | 470                | 1.3355            | Industrial      |
| 19.            | 471                | 247.2880          | Industrial      |
| 20.            | 481                | 2.1024            | Industrial      |
| 21.            | 496                | 0.9089            | Industrial      |
| 22.            | 498                | 2.5729            | Industrial      |
| 23.            | 495                | 1.9286            | Industrial      |
| 24.            | 604                | 2.6347            | Industrial      |
| 25.            | 609                | 2.9495            | Industrial      |
| 26.            | 612                | 1.9175            | Industrial      |
| 27.            | 630                | 6.2719            | Industrial      |
| 28.            | 631                | 3.2331            | Industrial      |
| 29.            | 645                | 8.1811            | Industrial      |
| 30.            | 666                | 0.8098            | Industrial      |
| 31.            | 668                | 2.9138            | Industrial      |
| 32.            | 698                | 1.5581            | Industrial      |
| 33.            | 704                | 1.6192            | Industrial      |
| 34.            | 708                | 1.1917            | Industrial      |
| 35.            | 709                | 1.1912            | Industrial      |
| 36.            | 715                | 2.1657            | Industrial      |
| 37.            | 731                | 1.6208            | Industrial      |
| 38.            | 796                | 1.4685            | Industrial      |
| 39.            | 795                | 0.8099            | Industrial      |
| 40.            | 515                | 2.3722            | Industrial      |
| 41.            | 523 / Paiki 1      | 1.4278            | Industrial      |
| 42.            | 524 / Paiki 1      | 2.9495            | Industrial      |
| 43.            | 526                | 2.1065            | Industrial      |
| 44.            | 527/ Paiki 1       | 4.4891            | Industrial      |
| 45.            | 537                | 4.2693            | Industrial      |
| 46.            | 538                | 75.2350           | Industrial      |

| <b>Sr. No.</b> | <b>Survey Nos.</b> | <b>Area (ha.)</b> | <b>Land use</b> |
|----------------|--------------------|-------------------|-----------------|
| 47.            | 535                | 5.5243            | Industrial      |
| 48.            | 562                | 1.4080            | Industrial      |
| 49.            | 575                | 1.5193            | Industrial      |
| 50.            | 581                | 0.8439            | Industrial      |
| 51.            | 584                | 4.0088            | Industrial      |
| 52.            | 585                | 2.6257            | Industrial      |
| 53.            | 591                | 1.8351            | Industrial      |
| 54.            | 592                | 2.4484            | Industrial      |
| 55.            | 593                | 4.2490            | Industrial      |
| 56.            | 596                | 2.1044            | Industrial      |
|                | Total              | 535.6890          |                 |

અગ્ર મુખ્ય વન સંરક્ષક,  
વન્યપ્રાણી, ગુજરાત રાજ્યની કચેરી,  
અરણ્ય ભવન, બ્લોક નં.બી/૧,  
ગાંધીનગર

પત્ર ક્રમાંક:- વપસ/૩૨/ક/ / સને ૨૦૧૪-૧૫ તા.૨૭-૦૯-૨૦૧૫  
૪૩-૯૩

પ્રતિ,

મેસર્સ આર.એસ.પી.એલ.લીમીટેડ,  
સી-૧ અને સી-૨, પ્રથમ માળ,  
સફલ પ્રોફીટેર,  
અમદાવાદ

વિષય:- આર.એસ.પી.એલ.લીમીટેડના મોજે કુરંગ ખાતેના સોડા એશ  
પ્રોજેક્ટને વન્યજીવ દ્રષ્ટીકોણથી પરવાનગી આપવા બાબત.

મહાશય,

- સંદર્ભ:- (૧) ભારત સરકારશ્રીના પર્યાવરણ, વન અને કલાઇમેટ ચેન્જ  
મંત્રાલય, નવી દીલ્હીની ગાઇડ લાઇન્સ તા.૧૯-૧૨-૨૦૧૨  
(૨) ગુજરાત સરકારશ્રીના વન અને પર્યાવરણ વિભાગના ઠરાવ  
ક્રમાંક:- વપસ-૧૦૧૨-૧૩૩-ડબલ્યુ, તા.૩૧-૦૫-૨૦૧૨  
(૩) આપના પત્ર નં. RSPL/ CCG/VKG/ENV-001/502  
તા.૦૩-૦૩-૨૦૧૫ તથા તા.૨૨-૦૮-૨૦૧૫  
(૪) મુખ્ય વન સંરક્ષકશ્રી, મરીન નેશનલ પાર્ક, જામનગરના પત્ર  
ક્રમાંક:- અ/જમન/૨૪/ટે.૭/૧૭૫-૭૬ તા.૦૩-૦૫-૨૦૧૪ તથા  
તા.૧૩-૦૨-૨૦૧૫.  
(૫) અત્રેના પત્ર ક્રમાંક:- વપસ/૩૨/અ/૨૮૬-૮૮ તા.૨૭-૦૫-૨૦૧૫  
(૬) પર્યાવરણ, વન અને કલાઇમેટ ચેન્જ મંત્રાલય, નવી દીલ્હીના  
પત્ર ક્રમાંક:- FNo.6-73/2015 WL તા.૧૯-૦૮-૨૦૧૫

રાજ્યના કોઇપણ અભયારણ્ય અને નેશનલ પાર્ક ફરતે ઇકો સેન્સેટીવ  
ઝોનની રચના થયેલ હોય તો તેમાં અને રચના ન થઇ હોય તો નેશનલ પાર્ક/  
અભયારણ્યની સરહદ થી ૧૦ કી.મી.ના અંતરમાં જો કોઇ પ્રોજેક્ટ આવેલ હોય તો  
તેવી પ્રોજેક્ટ કામગીરી માટે પર્યાવરણીય મંજૂરી( Environment Clearance )

મેળવાતાં પહેલા સંદર્ભ-૧ના પત્રથી બહાર પાડવામાં આવેલ ભારત સરકારશ્રીના પર્યાવરણ અને વન મંત્રાલય, નવી દિલ્હીના તા.૧૯-૧૨-૨૦૧૨ના પત્રની ગાઇડ લાઇન્સ પ્રમાણે નેશનલ બોર્ડ ફોર વાઇલ્ડ લાઇફની સ્ટેન્ડીંગ કમિટીની પુર્વ મંજૂરી મેળવવાની થાય છે જે ધ્યાને લઇ.

સંદર્ભ-૩ના પત્રથી આર.એસ.પી.એલ.લીમિટેડના મોજે કુરંગ ખાતેના સોડા એશ પ્રોજેક્ટ કે જે ગાગા અભયારણ્યથી ૬.૪૦ કી.મી. દુર એટલે કે ઇકો સેન્સેટીવ ઝોનના ૧૦ કી.મી.ના વિસ્તારમાં હોવાથી વન્યપ્રાણી દ્રષ્ટીકોણથી મંજૂરી આપવા દરખાસ્ત કરેલ હતી.

સંદર્ભ-૪થી આ દરખાસ્ત સંબંધે જરૂરી ભલામણ સાથે મુખ્ય વન સંરક્ષકશ્રી, મરીન નેશનલ પાર્ક, જામનગર તરફથી અત્રે દરખાસ્ત મળેલ હતી.

સંદર્ભ-૫થી અત્રેથી જરૂરી ભલામણ સાથે સદરહુ દરખાસ્ત ભારત સરકારશ્રીના પર્યાવરણ, વન અને કલાઇમેટ ચેન્જ મંત્રાલય, નવી દિલ્હીને નેશનલ બોર્ડ ફોર વાઇલ્ડ લાઇફની સ્થાયી સમિતીની મંજૂરી માટે મોકલી આપવામાં આવેલ.

સંદર્ભ-૬થી જણાવ્યા પ્રમાણે નેશનલ બોર્ડ ફોર વાઇલ્ડ લાઇફની સ્થાયી સમિતીની બેઠક તા.૧૮-૦૮-૨૦૧૫ના રોજ મળેલ. જેમાં ઉપરોક્ત વિષયની દરખાસ્તને મંજૂરી મળતાં વન્યપ્રાણી સંરક્ષણ અધિનિયમ - ૧૯૭૨ની જોગવાઈઓ અને ભારત સરકાર દ્વારા નિયત કરેલ સત્તા વહેંચણી પ્રમાણે નીચેની શરતોને આધિન વન્યજીવ સંરક્ષણ દ્રષ્ટીકોણથી પરવાનગી આપવામાં આવે છે.

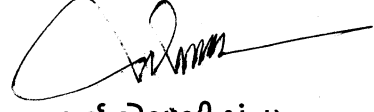
શરતો:-

- ૧ મરીન નેશનલ પાર્ક હેઠળનો કોઇ સ્ટાફ તપાસ અર્થે આવે ત્યારે વગર પરવાનગી એ પ્રવેશ કરી શકશે તથા તપાસ કરી શકશે જેમાં યુઝર એજન્સીએ સહકાર આપવાનો રહેશે .
- ૨ મરીન નેશનલ પાર્ક વન વિસ્તાર /અભયારણ્ય /હેઠળના વિસ્તારમાં કોઇ ગેરઘોરણે પ્રવૃત્તિ કે પક્ષીઓના રહેઠાણ, માળાઓને કોઇ નુકશાન કરે કે શિકાર કરે તો તેની જાણ અત્રેને કરવાની રહેશે .
- ૩ સરકારશ્રી તરફથી તથા અત્રેથી ભવિષ્યમાં જે શરતોનો ઉમેરો કરવામાં આવે તે બંધનકર્તા રહેશે.
- ૪ ગાગા અભયારણ્ય વિસ્તારમાં કે દરિયાના પાણીમાં ભળતા નદી, નાળામાં કોઇપણ જાતનું પ્રદુષણ કરવાનું રહેશે નહી તેમજ કચરો કે અન્ય વસ્તુ દરિયામાં ભળતા નદી, નાળામાં નાખવાની રહેશે નહી.

- ૫ પ્રોજેક્ટ હેઠળનાં વિસ્તારથી નજીકમાં આવેલ નેશનલ પાર્ક, અભયારણ્યના વિસ્તારમાં આવેલ કુદરતી વૃક્ષોને મજુરો ધ્વારા નુકશાન ન થાય તે બાબતની ખાસ કાળજી રાખવાની રહેશે.
- ૬ પ્રોજેક્ટ હેઠળના વિસ્તારથી નજીકના અભયારણ્ય જંગલની આસપાસ / પ્રોજેક્ટને કારણે થતી પ્રતિકુળ અસરને હળવી કરવાના ભાગરૂપે મરીન નેશનલ પાર્કનો તાંત્રિક સહયોગ લઈ આ કામ કરવા અંગે યુઝર એજન્સીએ વન્યજીવ સંરક્ષણ માટે પ્રસ્તુત કરેલ પ્રવૃત્તિઓ રૂ. ૩૧૫ લાખના (સામેલ આંક - ૧) પ્લાન પ્રમાણે કાર્યવાહી કરવાની રહેશે.
- ૭ આ અંગે યુઝર એજન્સી દ્વારા તૈયાર કરવામાં આવેલ એનવાયરમેન્ટ ઈમ્પેક્ટ એસેસમેન્ટ રીપોર્ટના (EIA) પ્રકરણમાં સુચવવામાં આવેલ ૪ - એનવાયરમેન્ટ ઈમ્પેક્ટ અને મીટીગેશન મેઝર્સમાં સુચવ્યા પ્રમાણે તમામ જોગવાઈઓનો અક્ષરશઃ અમલ કરવાનો રહેશે.
- ૮ યુઝર એજન્સીએ તેમનાં પ્રોજેક્ટ માટે જરૂરી દરીયાનાં પાણીનો ઉપયોગ કરવા માટે નાખવાની થતી પાઇપ લાઇન તથા પ્રોજેક્ટમાંથી વપરાશ થયેલ પાણીને દરિયામાં છોડવા માટેની જે પાઇપ લાઇન પ્રોજેક્ટમાં દર્શાવ્યા મુજબ અન્ડર ગ્રાઉન્ડ નાખવાની થાય છે તે કામગીરી દરીયાઇ કાયબાનાં પ્રજનનને વિપરીત અસર ન થાય તે માટે કાયબાના પ્રજનન ઋતું સિવાયનાં સમયગાળા દરમિયાન કરવાની રહેશે.
- ૯ અન્ડર ગ્રાઉન્ડ પાઇપ લાઇન નાખવાની કામગીરી પૂર્ણ કર્યા બાદ દરીયા કિનારાની જમીન ખોદકામ પહેલાની જે સ્થિતિમાં હતી તે પ્રમાણે મૂળ સ્થિતિ મુજબની જમીન કરવાની રહેશે જેથી દરીયાઇ કાયબાનાં પ્રજનનમાં કોઈ વિપરીત અસર થાય નહીં.
- ૧૦ યુઝર એજન્સીએ ભવિષ્યમાં મરીન નેશનલ પાર્ક ઓથોરીટીને પર્યાવરણ વિકાસ તેમજ પર્યાવરણને નુકશાન કરતી બાબતો સામે યોગ્ય પગલા લેવામાં સહયોગ આપવાનો રહેશે.
- ૧૧ આ પ્રોજેક્ટ હેઠળના વિસ્તારમાંથી નિકળતા પ્રદુષિત પાણી આજુબાજુમાં આવેલ તળાવ, નદીના પાણીમાં ન ભળે તેની ખાસ તકેદારી રાખવાની રહેશે.
- ૧૨ યુઝર એજન્સી ધ્વારા તૈયાર કરવામાં આવેલ વાઇલ્ડ લાઇફ કન્ઝર્વેશન પ્લાન પ્રકરણ માં જણાવેલ સૂચિત કચને ૫-પ્રોજેક્ટની ફ્લોરા, ફોના તથા વાતાવરણ ઉપર સૂચિત અસર અને તેને દુર કરવા માટેનાં સુચવેલ

- તમામ ઉપાયોનો ચુસ્તપણે અમલ કરવાનો રહેશે જેનું મોનીટરીંગ મરીન નેશનલ પાર્કના જવાબદાર સ્ટાફ ધ્વારા સમયે - સમયે કરવામાં આવશે .
- ૧૩ સદરહુ પાઇપ લાઇન નાંખવા માટે વન ભૂમિનો ઉપયોગ કરવાનો થતો હોય તો વન સંરક્ષણ ધારો -૧૯૮૦ હેઠળ અલગથી મંજૂરી લેવાની રહેશે.
- ૧૪ વાઇલ્ડ લાઇફ કન્ઝર્વેશન અંગેનું ફંડ કેમ્પા ફંડમાં જમા કરાવવાનું રહેશે.

ઉપરોક્ત તમામ સુચનાઓનું ચુસ્તપણે પાલન કરવાનું રહેશે.



( ડી.એસ.સી.પંત )

ચીફ વાઇલ્ડ લાઇફ વોર્ડન  
અને અગ્ર મુખ્ય વન સંરક્ષક,  
વન્યપ્રાણી, ગુજરાત રાજ્ય,  
ગાંધીનગર

નકલ સાદર રવાના અગ્ર સચિવશ્રી, વન અને પર્યાવરણ વિભાગ, સચિવાલય,  
ગાંધીનગર તરફ જાણ સારું.

નકલ રવાના અધિક અગ્ર મુખ્ય વન સંરક્ષકશ્રી, જમીન, ગુ.રા., ગાંધીનગર તરફ  
જાણ સારું.

નકલ રવાના મુખ્ય વન સંરક્ષકશ્રી, મરીન નેશનલ પાર્ક, જામનગર તરફ જાણ  
તથા જરૂરી કાર્યવાહી સારું.

# 2018-19 Proposed Budget for Wildlife Conservation Activities

| S. No   | Activity   | Agency       | Duration                       | Amount/ year   | Total Amount for 5 years |
|---|--|--------------|--------------------------------|----------------|--------------------------|
| <b>A. Conservation &amp; Awareness Activities</b> |  |              |                                |                |                          |
| 1   | Plantation of native/displaced important plants  | Forest Dept. | 5 years only                   | 1 Lakh         | 5 Lakh                   |
| 2   | Conservation and awareness activities for endangered wildlife species found in Gaga WLS & surrounding area (Seaturtles & Wolf) | Forest Dept. | 5 years (review after 5 years) | 2 Lakh         | 10 Lakh                  |
| 3   | Green Belt Development ( As per MoEF guidelines)   | Company      | 5 years                        | 60 lakh        | 300 Lakh                 |
| <b>B. Ecological Monitoring Activities</b>        |  |              |                                |                |                          |
| 1   | Status survey of wildlife & vegetation in core and buffer area   | Company      | Once Every 3 year              | 2 Lakh         | -                        |
| <b>C. Compliance reporting</b>                    |  |              |                                |                |                          |
| 1   | Compliance documentation and Reporting to MoEF & Forest Dept.  | Company      | Once Every 3 year              | 2 Lakh         |                          |
| <b>D. Total Amount</b>                            |  |              |                                | <b>67 Lakh</b> | <b>315 Lakh</b>          |

**Principal Chief Conservator of Forests  
Wildlife, Gandhinagar State Office  
Aranya Bhavan, Block B/1,  
Gandhinagar**

Letter No. VPS/32/K/483-86/SANE 2014-15

Date: 24.09.2015

**To,  
M/s. RSPL Limited  
C-1/C-2, First Floor  
Safal Profitaire,  
Ahmedabad**

**Sub.: Wildlife permission to RSPL Limited's Soda Ash Project at village Kuranga**

**Sir,**

- Reference:
1. Guidelines dated 19.12.2012 issued by Ministry of Environment, Forest and Climate Change, Government of India.
  2. Department of Forests and Environment, Government of Gujarat Resolution No. VPS-1012-133-W dated 31.05.2012.
  3. Your letter No. RSPL/CCG/VKG/ENV-001/502 dated 03.03.2015 & dated 22.08.2015.
  4. Chief Conservator of Forests, Marine National Park, Jamnagar letter No. A/JMN/24/TE.7/175-76 dated 03.05.2014 and dated 13.02.2015.
  5. Our letter No. VPS/32/A/286-88 dated 27.05.2015.
  6. Ministry of Environment, Forests and Climate Change, New Delhi letter No. F.No.6-79/2015 WL dated 19.08.2015.

This has reference to the guidelines issued by Ministry of Environment, Forest and Climate Change, Government of India vide letter dated 19.12.2012 Reference No. 1 regarding requirement of prior approval of Standing Committee of National Board for Wildlife before obtaining Environment Clearance for projects which are falling within State's any Wildlife Sanctuary and National Park whose Eco Sensitive Zone is declared and if not declared then located within 10 km distance from National Park/Sanctuary.

RSPL Limited for Soda Ash Project at village Kuranga which is located at a distance of 6.40 km i.e. located within 10 km from Eco Sensitive Zone had applied for grant of permission with respect to Wildlife vide referred letter No. 3.

Vide referred letter No. 4, this office received the necessary recommendation for the proposal from the Chief Conservator of Forests, Marine National Park, Jamnagar.

Vide referred letter No. 5, this office forwarded the said proposal with necessary recommendation to the Standing Committee of National Board for Wildlife, Ministry of Environment, Forests and Climate Change, Government of India, New Delhi for its approval.

As informed vide referred letter No. 6, meeting of Standing Committee of National Board for Wildlife was held on 18.08.2015 wherein subject matter proposal was approved and hence in line with the provisions of Wildlife Protection Act, 1972 and the specific powers conferred by the Government of India, permission is being granted with following conditions considering Wildlife Conservation.

**Conditions:**

1. User agency to support Marine National Park staff as and when visit for inspection and will enter without any permission and carry out inspection.
2. In case any unauthorized damage or hunting of birds habitation, nesting etc. is taken place in the Marine National Park/ Sanctuary / Forest area, it is to be informed to this office.
3. In Future to follow the conditions as stipulated by the Government as well as this office.
4. Not to pollute Gaga Sanctuary area or any river, stream merging in the seawater. Further not to dispose any waste or things in the river or stream merging in the sea.
5. To take care that workers does not damage the natural trees located in the National Park, Sanctuary area exists nearby the project area.
6. As a part of minimizing the adverse impact of the project on nearby Sanctuary / Forest area, Users agency to carry out the activities proposed for Wildlife Conservation worth of Rs. 315 Lakhs (attached as No. 1) with the help of Marine National Park office.
7. To implement all the suggested Environment Impact and Mitigation Measures of Chapter-4 of the Environmental Impact Assessment Report (EIA) prepared by the User agency.
8. The activities for sea water intake pipeline and the effluent disposal pipeline for the Project as per Project are required underground laying and hence to minimize impacts on turtle breeding, these activities to be carried out except turtle breeding season.
9. To restore back the seashore land as it is after completion of excavation work related activities for underground pipeline laying so that adverse impacts on sea turtle breeding is negated.
10. In future, User agency to support Marine National Park Authorities in implementing various steps related to environment development and environment damage.
11. To ensure that the polluted water coming out of this project should not be mixed with the water of nearby lakes and rivers.
12. To follow all the mitigation measures suggested in Wildlife Conservation Plan prepared by User agency at Chapter-5 and 6 regarding proposed impacts and mitigation measures of proposed project on flora, Fauna and Environment which will be regularly monitored by the Marine National Park's responsible staff.
13. If forest land is to be utilized for laying of pipelines, separate approval under Forest Conservation Act, 1980 is to be obtained.
14. To deposit Wildlife Conservation related fund into CAMPA fund.

All above mentioned directions are to be strictly followed.

**Dr. S C Pant**  
**Chief Wildlife Warden &**  
**Principal Chief Conservator of Forests,**  
**Wildlife, Gandhinagar State,**  
**Gandhinagar**

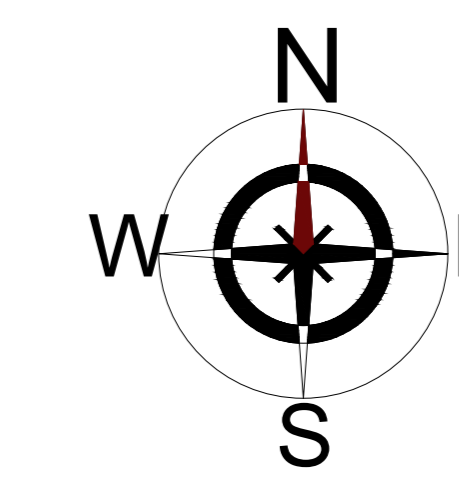
Copy sent with regards to the Principal Secretary, Forests & Environment Department, Sachivalay, Gandhinagar for information please.

Copy sent to the Additional Principal Chief Conservator of Forests (Land), Gujarat State, Gandhinagar for information please.

Copy sent to the Chief Conservator of Forests, Marine National Park, Jamnagar for information and doing needful please.

# 2014-15 Proposed Budget for Wildlife Conservation Activities

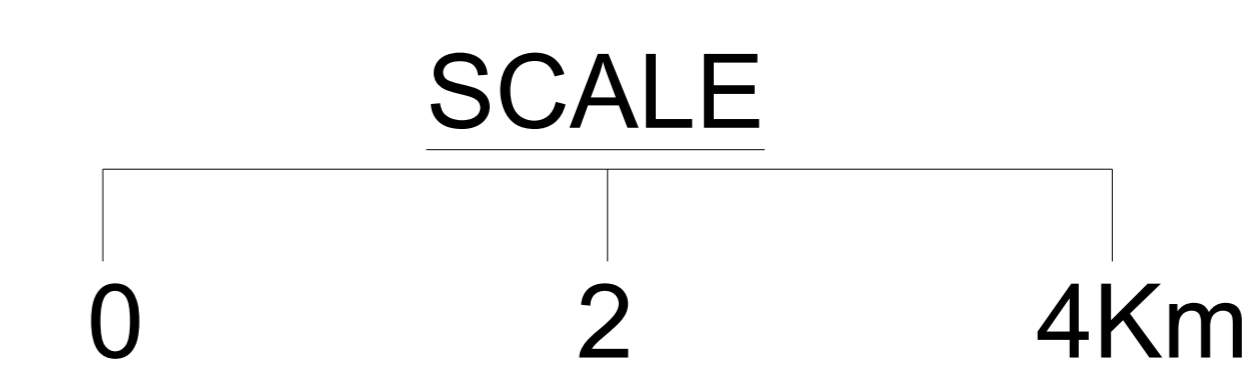
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| 1   | Compliance documentation and Reporting to MoEF & Forest Dept.  | Company      | Once Every 3 year              | 2 Lakh         |                          |
| <b>D. Total Amount</b>                            |  |              |                                | <b>67 Lakh</b> | <b>315 Lakh</b>          |



**LEGEND**

| Name               | Symbol / Colour |
|--------------------|-----------------|
| Project Site       |                 |
| GAGA GIB Sanctuary |                 |
| Eco Sensitive Zone |                 |

**Enclosure- 8(a) RSPL Site & Gaga WLS & ESZ**



**KADAM ENVIRONMENTAL CONSULTANTS**

871/B/3, Near Himalaya Machinery  
 GIDC, Makarpura, Vadodara - 390 010.  
 Tel: +91 265 6131000  
 E-mail: kadamenviro@kadamenviro.com



|   |  |
|---|--|
| PROJECT OWNER                                 | Capacity Expansion in Soda Ash & Captive Co-generation Power plants within existing site |
|   | RSPL   |
| TITLE   | Map showing Location of GAGA WLS & ELS with reference to Project Site                    |
| REVISION :00                                  | DRAWN BY : V V   |
| SCALE : As Shown                              | CHECKED BY : SK  |
| DATE : 10/02/2022                             | APPROVED BY : SK   |
| SOURCE : Enhance Version of Google Earth pro. |  |

F. No. J-11011/247/2012- IA II (I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(I.A. Division)

Indira Paryavaran Bhawan  
Aliganj, Jorbagh Road,  
New Delhi -110003

E-mail : lk.bokolia@nic.in  
Telefax : 011-24695313  
Dated 12<sup>th</sup> November, 2015

To,

Shri V.N. Desai (President)  
M/s RSPL Limited.  
C/2, 3<sup>rd</sup> Floor, Safal Profitaire, Corporate Road,  
Nr. Prahladnagar Ahmedabad Garden, Prahladnagar,  
Satellite, Ahmendabad-0380015

E-mail : [projectamd@rspl.net.in](mailto:projectamd@rspl.net.in) ; [vn.desai@rspl.net.in](mailto:vn.desai@rspl.net.in) ; Fax No. : 079-29701606

**Subject:** Greenfield Soda Ash Plant (1500TPD) alongwith Captive Power Plant (50 MW) at Village Kuranga, Taluka Dwarka, District Jamnagar, Gujarat by M/s RSPL Ltd.- Consolidated Environmental Clearance and CRZ Clearance reg.

**Ref.:** Your letter no. RSPL/CCG/MS/ENV-002/335/2014-15 dated 22<sup>nd</sup> December, 2014.

Sir,

This reference to your letter dated 22<sup>nd</sup> December, 2014 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report, public hearing report regarding above mentioned project and subsequent communications vide letter dated 20<sup>th</sup> February, 2015 and 1<sup>st</sup> September, 2015 on the above mentioned subject. MoEF&CC, Regional Office, Bhopal vide letter no. 6-GJB039/2015-BHO/1105 dated 31<sup>st</sup> August, 2015 has issued stage-1 forest clearance for diversion of 0.94 ha. reserved forest land.

2.0 The Ministry of Environment, Forest and Climate Change has examined your application. It is noted that proposal is for setting up of soda ash plant (1500 TPD) alongwith CPP (50 MW) at Village Kuranga, TalukaDheraka, District Jamnagar, Gujarat. Total plot area is 400 ha of which, area earmarked for greenbelt is 189 ha. Plant area comprises of Government Waste Land and Private Un-Irrigated agriculture land. There is no forest land within the plant area. The underground sea water intake and effluent disposal pipelines will pass through forest land (i.e. 0.94 ha. forest land). The land will be restored back on completion of pipeline laying job. Gaga wildlife sanctuary located at a distance of 6.4 Km. Site is located at a distance of 1.0 Km from Arabian sea. Kalipat River is located at a distance of 2.0 Km. Kuranga lake is located at a distance of 4.5 Km. Gojiness Creek is at a distance of 2.5 km. Reserve Forests are located within 10 km distance (i.e. Gojiness reserve forest; Kuranga Reserve Forest; Bhogat RF ( 6 Km); Bhatvadiya RF ( 500 m) and Gaga RF ( 8.0 Km). It is reported that no mangroves eco-system near Kuranga Sea Coast as well as within study area. Gujarat Coastal Zone Management Authority (GCZMA), Forest & Environment Department, Gandhinagar vide letter no. ENV-10-2014-72E dated 17.12.2014 has forwarded necessary recommendation for grant of environment clearance under the CRZ notification for laying of sea water intake and effluent facilities in Arabian Sea. Cost of project is Rs. 1800 Crore.

*ln*

The following is configuration of the plant:

| S.No. | Plant                     | Capacity                         |                     |
|-------|---------------------------|----------------------------------|---------------------|
| 1     | Soda Ash plant            | Light soda Ash<br>Dense soda ash | 1500 TPD<br>770 TPD |
| 2     | Coal/Lignite based<br>CPP | Steam 3 nos. x 150 TPH           | 50 MW               |
| 3     | DG Set                    |                                  | 6MVA                |

Soda ash plant process is based on Dry Liming Technology having features of less effluent; less sweet water use; Less steam requirement for ammonia recovery and most energy efficient technology. Raw materials i.e. Limestone (2700 TPD) will be sourced from captive limestone mines and from domestic/international market by road/sea; Salt (2580 TPD) from captive saltworks and from market by road/sea; Coke (174 TPD) from open market by road/sea; Ammonia (3.5 TPD) and Sodium Sulphide (2.24 TPD) from open market by road; Coal /Lignite from imported coal i.e. Indonesian or South African/GMDC/Open Market by road/sea.

2.0 Scrubbers and drop trap will be provided to the 5 nos. Lime Kilns. Scrubber will be provided to ammonia recovery system. Bagfilter will be provided to lime grinding system. Scrubber will be provided to filtration /calcinations. ESPs alongwith adequate stack height will be provided to coal fired boiler. All crushers and transfer points will be provided with dust extraction system consist of hoods, bag house, ID fans and exhaust duct. Closed storage, covered belt conveyor, baghouse/bagfilter will be provided at transfer points. Total water requirement will be 60 MLD water, which will be drawn from Arabian sea through submarine pipeline from the point suggested by the National Institute of Oceanography (NIO). Return cooling water will be mixed with process effluent from soda ash plant, rejects from RO/DM plant and brine preparation rejects. To achieve the GPCB/CPCB norms, effluent will be further treated in the effluent treatment plant & diluted with sea water. Treated /diluted mixed effluent will be discharged in the Arabian Sea at a designated point having diffuser system as recommended by NIO. Sewage will be treated in the sewage treatment plant (STP). Fly ash from coal as fuel will be used for cement manufacturing/brick manufacturing. If from Lignite only, it will be used for road making, pavement and flooring etc. Limestone rejects will be used in boilers for de-sulphurization. Used oil will be sent to authorized recycler/re-processors. Oily sludge and waste/spent oil will be disposed off through authorized re-processors.

3.0 Public hearing/consultation was conducted on 10<sup>th</sup> June, 2014.

4.0 All the Soda Ash Industries are listed at S.N. 4(e) under Category 'A' and appraised at the Central level.

5.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 3<sup>rd</sup>, 32<sup>nd</sup> and 36<sup>th</sup> meetings held during 3<sup>rd</sup> - 5<sup>th</sup> December, 2012, 20<sup>th</sup>-21<sup>st</sup> January, 2015 and 16<sup>th</sup>-17<sup>th</sup> March, 2015 respectively. The proposal was considered by the Expert Appraisal Committee (Infrastructure and Coastal Regulation Zone) in 144<sup>th</sup> meeting held during 28<sup>th</sup>-30<sup>th</sup> January, 2015 respectively. Project Proponent and the EIA Consultant namely NEERI have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committees recommended the proposal for environmental clearance and CRZ clearance.

6.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance and CRZ clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 and CRZ notification, 2011, subject to the compliance of the following Specific and General Conditions:

*Handwritten signature*

**A: SPECIFIC CONDITIONS:**

- 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.
- 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.
- 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 sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber should be monitored regularly and maintained properly. At no time, the emission levels should go beyond the prescribed standards.
- iv) Bagfilter 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 air pollution control devices suggested in the EIA/EMP shall be implemented.
- v) Ambient air quality data shall be collected as per NAAQES standards notified by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> September, 2009. The levels of PM10, PM2.5, SO2, NOx, VOC, CO and NH<sub>3</sub> 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
- 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.
- vii) Unit shall create covered coal storage yard along with facilities of 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.
- viii) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- ix) Total fresh water requirement from Arabian Sea shall not exceed 60 MLD and prior permission shall be obtained from the Competent Authority.
- 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

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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.

- xi) Treated effluent should be passed through guard pond. Online pH meter, flow meter and TOC analyzer should be installed.
- xii) Automatic /online monitoring system (24 x 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's website.
- 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 fire fighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.
- 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 alongwith the storm water. Direct exposure of workers to fly ash & dust should be avoided.
- xv) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 as amendment in 2003. Fly ash shall be provided to cement and brick manufacturers for further utilization.
- xvi) Unit shall create covered coal storage along with facilities of 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.
- xvii) As proposed, green belt area of 189 ha shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xviii) **As proposed, 2.5 % (i.e. 43.70 Crore) of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.**
- xix) All the commitments made to the public during public hearing/public consultation meeting held on 10<sup>th</sup> June, 2014 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
- xx) Provision shall be made for the housing for the construction labour 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 the surrounding environment.

**B. SPECIFIC CONDITIONS IN RESPECT OF CRZ:**

- i) Company shall explore possibility for enhance recycling of treated water.
- ii) The intake and outfall shall be through buried pipelines the pipelines shall be buried two meter below the ground level /sea bed.
- 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 .
- iv) Installation of trash bar/screen shall be put in place at the intake well to avoid fish entrapment.
- v) All the recommendations and conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide letter no. ENV-10-2014-72 E dated 17.12.2014 shall be complied with.
- 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, MoEF&CC along with six monthly monitoring report.
- 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.
- 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.
- 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.

**C. GENERAL CONDITIONS:**

- 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.
- ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the 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.
- 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, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

lp

- 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.
- 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.
- vii) Usage of Personnel Protection Equipments by all employees/ workers shall be 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.
- 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.
- x) The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.
- xi) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- xii) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 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.
- xiv) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.
- 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.
- xvi) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the Gujarat Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bhopal Regional Offices of MoEF by e-mail.
- 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



<http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

- xviii) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

7.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.


8.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

9.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.

  
(Lalit Bokolia)  
Additional Director

Copy to:-

1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8<sup>th</sup> Floor, Gandhi Nagar - 382 010, Gujarat.
2. The Additional Principal Chief Conservator of Forests(central), Ministry of Environment & Forests, Regional Office, E-5, Arera Colony, Link Road -3, Bhopal -462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043, Gujarat.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi.
6. Guard File/Monitoring File/Record File.
7. Member Secretary (IA-III), CRZ & Infrastructure Division, IA Division.

  
(Lalit Bokolia)  
Additional Director

**GUJARAT POLLUTION CONTROL BOARD****PARYAVARAN BHAVAN****Sector-10-A, Gandhinagar-382 010**

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

**કારણ દર્શક નોટીસ**

આપ મે. આર.એસ.પી.એલ લી., પ્લોટ નં.૨૩૭/પી૩, ૨૪૨/પી૧, ૨૪૩, ૨૪૫, ૨૪૭/પી૧,૨૫૧/પી૩,૨૫૬ વગેરે... નેશનલ હાઈવે-૮ઈ, કુરંગા, કુરંગા -૩૬૧૩૩૫, તા-ધ્વારકા, જી-દેવભૂમિ ધ્વારકા ઠેકાણે ઉદ્યોગ ચલાવો છો અને સોડા એશ (ડિન્સી સોડા એશ) નું ઉત્પાદન કરો છો.

જ્યારે બોર્ડ ના અધિકારીઓ દ્વારા આપના એકમ ની તા.૦૮.૦૨.૨૦૨૧ના રોજ રૂબરૂ મુલાકાત લીધેલ ત્યારે આપનું એકમ કાર્યરત જણાયેલ અને નીચે મુજબની ક્ષતિઓ જોવા મળેલ.

- મુલાકાત દરમ્યાન આપના એકમમાં જગ્યા પર સોલ્ટ સ્ટ્રેડ થયેલું જોવા માળેલ.
- મુલાકાત દરમ્યાન સર્વે નં.૫૪૦ તથા સર્વે નં.૬૦૬ની જમીન પર ડસ્ટીંગ થયેલું જોવા મળેલ.
- મુલાકાત દરમ્યાન આપના એકમના ETP ના Inlet Mixing of ETP 2. Outlet of ETP માંથી લીધેલ નમુનાઓના પરીમાણ અને 3.W/w sample collected from open well at S.No.606 અને 4.Water sample collected from pond at S.No.540. માંથી લીધેલ નમુનાઓના પરીમાણમાં સામ્યતા જોવા મળેલ.

ઉપરોક્ત વિગતો ને ધ્યાને લઈને આપની સામે હવા અધિનિયમ ૧૯૮૧ હેઠળ આપની સામે પગલા કેમ ન લેવા તે સબબ કારણદર્શક નોટીસ પાઠવવામાં આવે છે તથા ઉપરોક્ત બાબત પૂર્ણતા કરી અને કંચેલ કાર્યવાહીની જાણ દિન-૭માં દસ્તાવેજ પુરાવા સાથે કરવા જણાવવામાં આવે છે, જો તેમ કરવામાં કસુરવા રહેશે તો બોર્ડ દ્વારા હવા અધિનિયમ ૧૯૮૧ હેઠળ જરૂરી કાર્યવાહી કરવામાં આવશે.

ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ ના નામે અને વતી

(જી.એચ.ત્રિવેદી)

નાયબ મુખ્ય પર્યાવરણ ઈજનેર

નંબર :- જી.પી.સી.બી./સી.સી.એ-જે.એમ.એન-૧૦૭૧(૪)/ID-૪૩૮૫૧/

તા.

પ્રતિ,

મે. આર.એસ.પી.એલ લી.,

પ્લોટ નં.૨૩૭/પી૩, ૨૪૨/પી૧, ૨૪૩, ૨૪૫, ૨૪૭/પી૧,૨૫૧/પી૩,૨૫૬ વગેરે...

નેશનલ હાઈવે-૮ઈ, કુરંગા,

કુરંગા -૩૬૧૩૩૫,

તા-ધ્વારકા, જી-દેવભૂમિ ધ્વારકા.

**Clean Gujarat Green Gujarat**

ISO - 9001 - 2008 &amp; ISO - 14001 - 2004 Certified Organisation

Outward No:589175/2021/04/2021



CIN-U15111UP1988 PLC009771

**RSPL LIMITED**

Ahmedabad Office : C-1 / C-2, 3<sup>rd</sup> Floor, Safal Profitaire, Corporate Road, Near Prahlad Nagar Garden, Satellite, Ahmedabad - 380015  
Tel - 079 - 29701607, 29701608, Fax No.- 079 - 29701606 • E-mail : projectamd@rspl.net.in

RSPL/CCG/VKG/ENV-004/025/2021-22

Date: 15.06.2021

To,  
The Regional Officer,  
Gujarat Pollution Control Board,  
Jamnagar

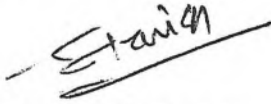
**Sub.: Reply to Show Cause Notice issued to us under Air Act 1981 w.r.t. GPCB site visit dated 08.02.2021 for Soda Ash Plant of RSPL LIMITED at Village Kuranga, District Devbhumi Dwarka (ID:43851)**

Dear Sir,

We had responded to the Show Cause Notice issued to RSPL Limited under Air Act 1981 w.r.t. GPCB Site visit dated 08.02.2021 vide our letter No. RSPL/CCG/VKG/ENV-004/021/2021-22. This reference has been submitted to GPCB, Gandhinagar. Inwarded copy of the same is being submitted to your office for your information and record please.

Thanking You.

Yours Faithfully,  
For **RSPL LIMITED**

  
Authorized Signatory

Encl.: As above

4/16/6/2021  
**GUJARAT POLLUTION CONTROL BOARD**  
Sardar Patel Bhavan Rameshwar Nagar  
Jamnagar-361008

**Regd. Office : 119-121(Part), Block P & T, Fazal Ganj, Kalpi Road, Kanpur - 208 012 (U.P.)**

Phone : 0512 2224204, 222 222 224 225 • Fax No. : 0512 2224229 20 • E-mail : info@charidetergent.com

RSPL/CCG/VKG/ENV-004/021/2021-22

Date: 25.05.2021

To,  
The Dy Chief Environment Engineer,  
Paryavaran Bhawan, Sec 10 A,  
Gujarat Pollution Control Board,  
Gandhinagar-382010

V.N.P.  
25/05/2021  
Gujarat Pollution Control Board  
Head Office  
Sector No.-10-A,  
Gandhinagar-382010.

Kind Attn.: Shri G. H Trivedi

Sub.: Reply to Show Cause Notice issued to us under Air Act 1981 w.r.t. GPCB site visit dated 08.02.2021 for Soda Ash Plant of RSPL LIMITED at Village Kuranga, District Devbhumi Dwarka (ID:43851)

Dear Sir,

Please find below our point-wise reply with respect to subject matter.

| <u>S. No.</u> | <u>Observations</u>   | <u>Reply</u>   |
|---------------|---|--|
| 1             | During the visit salt was spread in your unit.                                      | During the visit, salt deposition observed on Survey No. 606 which was due to coastal atmospheric conditions during winter season (high fog) which might have resulted deposition of salt on the land.<br><br>We are not discharging any effluent on land. Effluents from different units is collected in the mixing pond which is then diluted with seawater and once through return cooling water and being discharged as per norms into the Arabian Sea at a location recommended by NIO.   |
| 2             | During the visit dusting was noticed on the land of plot no-540 and survey no. 606. | Various air pollution control measures have been provided in process units and process units are operated within intact profile sheets. Capital cost incurred towards major air pollution control equipments/ systems is about Rs. 60 Crores.<br><br>The dusting observation is due to the area is in high coastal wind velocity.<br><br>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. |

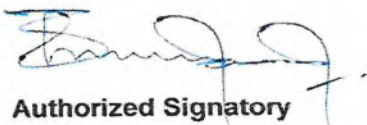
|  |  |   |
|--|--|---|
|  |  | <p>Four kilns are installed for production which have been provided with ESP's and Scrubbers as per design specifications.</p> <p>Bag filters as a part of Lime Grinding system as well as a common de-dusting (dust extraction system consisting of bag house, ID Fan, exhaust duct) has been provided for the Lime Grinding area.</p> <p>As a part of Ammonia recovery system, the Tower Gas Scrubbers located on the top of two stage Ammonia Gas Absorbers and has been installed. Both Ammonia Gas Absorber 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>Furthermore adequate Air Pollution Control measures have also been provided to control fugitive emissions.</p> <ul style="list-style-type: none"><li>• Dust suppression system i.e. water sprinkling system and/or Dust Extraction system is being provided to control fugitive emissions from all the vulnerable sources.</li><li>• Closed storage shed for Coal has been provided.</li><li>• Closed Gantry/Hood covering has been considered for conveying systems.</li><li>• Ensuring covered transport vehicles for raw material and finished product.</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> <p>We are regularly monitoring our Ambient Air quality through a recognized NABL Approved lab (M/s Kadam Environment Consultants, Vadodara) and air quality results were within the norms. Copy of Monitoring report during that period i.e. February report is attached herewith as an <b>Annexure-I</b>.</p> |
|--|--|---|

|   |  |   |
|---|--|---|
|   |  | <p>Plantation have also been undertaken along the periphery of plant so as to avoid any adverse impact to nearby areas.</p>   |
| 3 | <p>During the visit results of sample taken from ETP inlet mixing of ETP 2. Outlet of ETP and 3.w/w sample collected from open well at S.No.606 and 4. Water sample collected from pond at S.No.540 from your unit were found to be similar.</p> | <p>No effluent discharge is taking place in Survey No. 540 and 606 from plant. Effluents from different process units is collected in the mixing pond which is then diluted with seawater and once through return cooling water and being discharged as per norms into the Arabian Sea at a location recommended by NIO.</p> <p>The plant is in proximity to seashore. Seawater effect seems in these survey nos.</p> <p>As informed earlier, the private land of Survey No. 540 and 606 are barren land and not being used for agriculture purpose. The land owner of Survey No. 540, where the water ponding observed, has excavated a trench within his plot area which is low lying area compared to surrounding area. The land is being used for commercial purpose. Some shops (unauthorized) are being operated within his plot area. Wastewater and solid waste generated from the shops is also getting collected in the trench.</p> |

In view of above, we request your kind authority to withdraw show cause notice under Air Act 1981 as we are complying unit and please do not initiate any action.

Thanking You.

Yours Faithfully,  
 For **RSPL LIMITED**



**Authorized Signatory**

Encl.: As above



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

## કારણ દર્શક નોટીસ

આપ આપનું એકમ મે. આર.એસ.પી.એલ લીમીટેડ, પ્લોટ નં. ૨૩૭/પી૩, ૨૪૨/પી૧, ૨૪૩, ૨૪૫, ૨૪૭/પી૩, ૨૫૧/પી૩, ૨૫૬ વગેરે, એન.એચ-૮ની નજીક, કુરુન્ગા-૩૬૧૩૩૫, તા. દ્વારકા, જી. દેવભુમિ દ્વારકા ઠેકાણે ઉદ્યોગ ચલાવો છો. અને પાવરનું ઉત્પાદન કરો છો.

જ્યારે બોર્ડ ના અધિકારીઓ દ્વારા આપના એકમ ની તા. ૧૦/૦૭/૨૦૧૯ના રોજ રૂબરૂ મુલાકાત લીધેલ ત્યારે આપનું એકમ કાર્યરત જણાયેલ અને નીચે મુજબની ક્ષતિઓ જોવા મળેલ.

- અપના એકમમાં એક કન્વેયર બેલ્ટના ઇન્સ્પેક્શન વાલ્વ માટે કસ્ટીંગ થતું જોવા મળેલ.
- સોડા એસ કુલર(મ)પ્લાન્ટની ડ્રેન્ક લીકેજ જોવા મળેલ જેથી ફ્લોર પર આલ્કલાઇન પાણી ઢોળાયેલું જોવા મળેલ.

ઉપરોક્ત વિગતો ને ધ્યાને લઈને આપની સામે પાણી અધિનિયમ ૧૯૭૪ હેઠળ આપની સામે પગલા કેમ ન લેવા તે સબબ કારણદર્શક નોટીસ પાઠવવામાં આવે છે તથા ઉપરોક્ત બાબત પૂર્તતા કરી અને કરેલ કાર્યવાહીની જાણ દિન-૭માં દસ્તાવેજી પુરાવા સાથે કરવા જણાવવામાં આવે છે. જો તેમ કરવામાં કસુરવા રહેશે તો બોર્ડ દ્વારા પાણી અધિનિયમ ૧૯૭૪ હેઠળ જરૂરી કાર્યવાહી કરવામાં આવશે.

ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ ના નામે અને વતી

(જી.એચ.ત્રિવેદી)

વરિષ્ઠ પર્યાવરણ ઇજનેર

નંબર :- જી.પી.સી.બી./સીસીએ-જી.એમ.એન-૧૦૭૧(૩)/૧૧-૪૩૮૫૧/

તલ

પ્રતિ,

મે.આર.એસ.પી.એલ લીમીટેડ,

પ્લોટ નં. ૨૩૭/પી૩, ૨૪૨/પી૧, ૨૪૩, ૨૪૫, ૨૪૭/પી૩, ૨૫૧/પી૩, ૨૫૬ વગેરે,

એન.એચ-૮ની નજીક,

કુરુન્ગા-૩૬૧૩૩૫,

તા. દ્વારકા, જી. દેવભુમિ દ્વારકા

Outward No: 516824, 13/08/2019

**Clean Gujarat Green Gujarat**  
ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

RSPL/CCG/KG/ENV-004/ 065 /2019-20

Date: 20.08.2019

The Sr. Environmental Engineer,  
Gujarat Pollution Control Board,  
Gandhinagar

Sub.: Reply to the show-cause notice issued to us vide dated 13.08.2019 regarding the observations pointed out during the site visit by GPCB officials on 10.07.2019.  
(RSPL Limited, Village Kuranga, Dist. Devbhumi Dwarka; ID 43851)

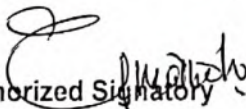
Dear Sir,

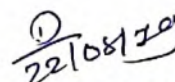
Please find below our point-wise reply with respect to the subject matter.

| S. No: | Observations  | Reply  |
|--------|---|--|
| 01.    | Dust emissions have been observed from the Inspection valves of a Conveyor belt of your unit.                 | During the site visit of GPCB officials, junction boxes of conveyor belt were inadvertently open which were immediately closed. All conveyor covers are closed and there is no fugitive dust emission. |
| 02.    | Gland leakage has been found from Soda Ash Cooler (B) unit thereby alkaline water has been found on the floor | Gland leakage from Soda Ash Cooler (B) has already been arrested by providing a pipe to collect in the Soda Ash Solution pit.  |

We hope our above actions are satisfactory as per your directions.

Thanking You.

Yours faithfully,  
For RSPL LIMITED  
Authorized Signatory

  
Gujarat Pollution Control Board  
Head Office  
Sector No. 10-A,  
Gandhinagar-382015



# GUJARAT POLLUTION CONTROL BOARD

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

## કારણ દર્શક નોટીસ

આપ આપનું એકમ મે. આર.એસ.પી.એલ લીમીટેડ, પ્લોટ નં.૨૩૭/પી૩, ૨૪૨/પી૧, ૨૪૩, ૨૪૫, ૨૪૭/પી૩, ૨૫૧/પી૩, ૨૫૬ વગેરે, એન.એચ-૮ની નજીક, કુરુન્ગા-૩૬૧૩૩૫, તા.દ્વારકા, જી.દેવભુમિ દ્વારકા ઠેકાણે ઉદ્યોગ ચલાવો છો અને પાવરનું ઉત્પાદન કરો છો.

જ્યારે બોર્ડ ના અધિકારીઓ દ્વારા આપના એકમ ની તા.૦૮/૦૩/૨૦૧૯ના રોજ રૂબરૂ મુલાકાત લીધેલ ત્યારે આપનું એકમ કાર્યરત જણાયેલ અને નીચે મુજબની ક્ષતિઓ જોવા મળેલ.

- સ્થળેતપાસ દરમ્યાન જમીન માંથી લીધેલ પાણીના નમુનાના પૃથ્થકરણ અહેવાલના પરિણામોમાં TDS- 90404 mg/L છે જે નિયતમાત્રા કરતા વધારે જણાય છે અને દરિયાઇ પાણી હોવાનું જણાય છે જેથી એકમનું ગંદુપાણી પાંચપલાઇન થી નિકાલ કરવાને બદલે જમીન પર નાખવામા આવે છે.
- આપના એકમ દ્વારા લગાડેલ ઓનલાઇન મોનીટરીંગ સીસ્ટમ નું કેલીબ્રેશન કરેલ નથી તેમજ GPCB તથા બોર્ડની વેબસાઇટ સાથે લીંક કરેલ નથી.

ઉપરોક્ત વિગતો ને ધ્યાને લઇને આપની સામે પાણી અધિનિયમ ૧૯૭૪ હેઠળ આપની સામે પગલા કેમ ન લેવા તે સબબ કારણદર્શક નોટીસ પાઠવવામાં આવે છે તથા ઉપરોક્ત બાબત પૂર્તતા કરી અને કરેલ કાર્યવાહીની જાણ દિન-૭માં દસ્તાવેજી પુરાવા સાથે કરવા જણાવવામાં આવે છે, જો તેમ કરવામાં કસુરવા રહેશે તો બોર્ડ દ્વારા પાણી અધિનિયમ ૧૯૭૪ હેઠળ જરૂરી કાર્યવાહી કરવામાં આવશે.

ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ ના નામે અને વતી

(જી.એચ.ત્રિવેદી)

વરિષ્ઠ પર્યાવરણ ઇજનેર

નંબર :- જી.પી.સી.બી./સીસીએ-જી.એમ.એન-૧૦૭૧(૩)/ID-૪૩૮૫૧/

તા.

પ્રતિ,

મે. આર.એસ.પી.એલ લીમીટેડ,

પ્લોટ નં.૨૩૭/પી૩, ૨૪૨/પી૧, ૨૪૩, ૨૪૫, ૨૪૭/પી૩, ૨૫૧/પી૩, ૨૫૬ વગેરે,

એન.એચ-૮ની નજીક,

કુરુન્ગા-૩૬૧૩૩૫,

તા.દ્વારકા, જી.દેવભુમિ, દ્વારકા

Outward No: 508457, 29/05/2019

Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

RSPL/CCG/MKG/ENV-004/027/2019-20

Date: 03.06.2019

The Sr. Environmental Engineer,  
Gujarat Pollution Control Board,  
Gandhinagar

Sub.: Reply to the Show Cause Notice dated 29.05.2019 issued to Soda Ash Plant of M/s RSPL Limited, Village Kuranga, Taluka Dwarka, District Devbhumi Dwarka

Ref. : Visit of GPCB Jamnagar officials on 08.03.2019 at plant site.

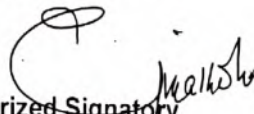
Dear Sir,

Please find below our point-wise reply with respect to the subject matter.

| S. N. | Points   | Reply  |
|-------|--|--|
| 01.   | Sample taken during the inspection at site is found to have TDS of 90404 mg/L which is exceeding the fixed limits and seems to be sea water, so instead of disposing the effluent through pipelines, it is discharged on land. | <p>The land owner of Survey No. 540 (from where the sample was taken) has excavated a trench within his plot area which is low lying area compared to surrounding area. The aforesaid agriculture land is being used for commercial purpose. Some shops (unauthorized) are being operated within his plot area. Wastewater and solid waste generated by the shops is also getting collected in the trench.</p> <p>As the water collected in the trench was stagnant for long time which might have increased the TDS concentration due to evaporation.</p> <p>We are not discharging any plant effluent on land. Effluents from different units is collected in the mixing pond/dilution pond/settling pond which is then diluted with seawater and once through return cooling water and being discharged as per norms into the Arabian sea through multipoint diffusers at a location recommended by NIO.</p> <p>Further, we would like to bring in your kind notice that aforesaid land lies near plant area and since long we have been trying to purchase/acquire the land through negotiations. However, due to personal vested interests, land owner never agreed mutually on the terms for selling this piece of land for the benefit of surrounding area. He is always creating nuisance for our project by one or another way.</p> |
| 02.   | ONLINE monitoring systems installed by the unit are not calibrated and were not linked with CPCB and Board's website.  | Online monitoring systems have been installed, calibrated and operational. Our plant was not in operation due to frequent interruptions for last few days. Online monitoring systems will be linked soon with servers once plant gets stabilized.  |

Thanking You.

Yours faithfully,  
For **RSPL LIMITED**

  
Authorized Signatory



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

## કચ્છ દર્શક નોટીસ

આપ આપનું એકમ મે.આરએસપીએલ લીમીટેડ, પ્લોટ નં.૨૩૭/પી૩, ૨૪૨/પી૧, ૨૪૩,૨૪૫,૨૪૭/પી૧,૨૫૧/પી૩, ૨૫૬ વજેરે, એનએચ-૬ની નજીક, કુડુબા-૩૬૧૩૩૫, તા.ભરૂચ, જી.દેવભૂમિ દ્વારા ઠેકાણે ઉદ્યોગ ચલાવો છો અને પાવરનું ઉત્પાદન કરો છો.

જ્યારે બોર્ડ ના અધિકારીઓ દ્વારા આપના એકમ ની તા. 02/01/2019 ના રોજ રૂબરૂ મુલાકાત લીધેલ ત્યારે આપનું એકમ કાર્યરત જણાયેલ અને નીચે મુજબની ક્ષતિઓ જોવા મળેલ.

- સ્થળતપાસ દરમ્યાન ટ્રાન્સફર પોઇન્ટ પરથી ડસ્ટીંગ થતું જોવા મળેલ છે.
- એકમ દ્વારા કોલ સ્ટોરેજ વિસ્તારમાં કોલસો કવર કરીને રાખેલ નથી.

ઉપરોક્ત વિગતો ને ધ્યાને લઈને આપની સામે હવા અધિનિયમ 1981 અને પાણી અધીનીયમ 1974 હેઠળ આપની સામે પગલા કેમ ન લેવા તે સબબ કચ્છદર્શક નોટીસ પાઠવવામાં આવે છે તથા ઉપરોક્ત બાબત પૂર્તતા કરી અને કરેલ કાર્યવાહીની જાણ દિન-૭માં દસ્તાવેજી પુરાવા સાથે કરવા જણાવવામાં આવે છે, જો તેમ કરવામાં કસુરવા રહેશે તો બોર્ડ દ્વારા હવા અધિનિયમ 1981 અને પાણી અધીનીયમ 1974 હેઠળ જરૂરી કાર્યવાહી કરવામાં આવશે.

ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ ના નામે અને વતી

(શ્રી જી.એચ.ત્રિવેદી)

વરિષ્ઠ પર્યાવરણ ઇજનેર

નંબર :-જી.પી.સી.બી./સી.સી.એ-જેએમએન-1071(3)/ID-43851/

તા.

પ્રતિ,

મે.આરએસપીએલ લીમીટેડ,

પ્લોટ નં.૨૩૭/પી૩, ૨૪૨/પી૧, ૨૪૩,૨૪૫,૨૪૭/પી૧,૨૫૧/પી૩, ૨૫૬ વજેરે,

એનએચ-૬ની નજીક, કુડુબા-૩૬૧૩૩૫,

તા.ભરૂચ, જી.દેવભૂમિ દ્વારા

Outward. No: 496526 / 02/01/19

**Clean Gujarat Green Gujarat**

ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

RSPL/CCG/MKG/ENV-004/160 /2018-19

Date: 11.03.2019

The Sr. Environmental Engineer,  
Gujarat Pollution Control Board,  
Gandhinagar

Sub.: Reply to the show-cause notice issued to us vide dated 05.03.2019 regarding the observations pointed out during the site visit by GPCB officials on 02.01.2019.

Dear Sir,

Please find below our point wise reply with respect to the subject matter.

| S. No. | Inspection Remark  | Reply  |
|--------|--|--|
| 01.    | It was found during the site visit that, regular de-dusting has not been done from transfer point. | <p><b>Coal Crushing / Screening System (Transfer Towers) :</b></p> <ul style="list-style-type: none"> <li>De-dusting systems (Dust extraction equipment's) have been already installed at the coal crushing /screening units. However the de-dusting system was not operational during the inspection of GPCB officials on 02.01.2019.The same was being pointed out by the inspecting authority vide letter dated 02.01.2019 and replied vide our letter dated 11.01.2019. The action was immediately taken on war footing basis to make de-dusting system operational at the earliest.</li> <li>There are two crushing / screening stations. The de-dusting system at the secondary crusher has been made operational. While de-dusting system at primary crusher is partly completed and will be operational by last week of March 2019. (Photographs showing the progress is attached as <b>Annexure-1</b>).</li> <li>Further action has also been taken to prevent dust formation by providing the water sprinkler system for moistening / wetting the coal. The water sprinkling system has been installed along the coal stock pile with two row system of 16 nozzles in each row as per design covering the stock pile.(Photograph of water sprinklers is attached herewith as <b>Annexure-2</b>)</li> </ul> |
| 02.    | Coal was not covered in the coal storage area by unit.   | <p><b>Coal stack yard shed</b></p> <ul style="list-style-type: none"> <li>The coal stockyard shed has been designed to cover the coal stockyard and yard equipment – Stacker / reclaimr. At present the shed is under construction stage. Since we have commissioned only one stream and our inventory of coal at this stage is being kept at minimal level. Till shed is covered with roof and side cladding, It is being ensured that coal stock remains temporarily covered with tarpaulin.</li> </ul>  |

11/03/19  
Gujarat Pollution Control Board  
Sector No. 19 A,  
Gandhinagar - 382 018

Further you would appreciate that we have chosen the world's best available technology for design, engineering, erection and commissioning of our Soda Ash Plant. The basic engineering of our plant is from NIOCHIIM, Ukraine and detailed engineering has been done by JACOBS. The structures, installations and all other statutory compliance related equipment's specifically environment /de-dusting/dust suppression etc.have been installed and being commissioned under the supervision of JACOBS Engineering.

We are in constant procedure of making the control measures fully functional and operational and hence we would now request your good office to give us 4 -6 weeks' time to achieve the desired norms/standards.

Thanking You.

Yours faithfully,  
For **RSPL LIMITED**

  
11.3.19  
Authorized Signatory



Encl.: as above

## Annexure-1

**Dust extraction system installed and operational in Secondary Crusher area:**



## Photograph showing progress of dust extraction system in primary screen crusher house



## Photographs showing progress of dust extraction system in coal day bin secondary and tertiary screen house





**Water sprinkling activity in coal yard:**

