



## Mumbai Metro Rail Corporation Limited

(JV of Govt. of India and Govt. of Maharashtra)

No. MMRC/Planning/Maint./275/2022

Date - 21/02/2022

To,  
Member Secretary, SEIAA,  
Environment Department,  
Room no.217,2<sup>nd</sup> Floor,  
Mantralaya, Mumbai-400032.

Sub. : Compliance report of EC granted for Redevelopment project of affected building at kalbadevi station of mumbai metro line-3 on plot bearing C.s.no. 662 & 1/662 of Bhuleshwar division in 'C' ward by Mumbai Metro Rail Corporation.

:- Six monthly Compliance Report for the period July 2021 to December 2021.

Ref.no.: Environmental Clearance No. SIA/MH/MIS/146165/2020 dated 31/03/2020.

With reference to compliance reports submission in respect of condition of Environmental Clearance No. SIA/MH/MIS/146165/2020 dated 31/03/2020 granted to redevelopment project of affected building at Kalbadevi station of MML-3 referred above, the six-monthly compliance report for the period July 2021 to December 2021 is enclosed herewith for perusal.

Regards,

(Khanderao T. Patil)  
CGM (R & CD)  
MMRCL

Enclosure: - As above

CC:

1. Regional office, Scientist 'D' MOEFCC, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur-440001.
2. Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup>, and 4<sup>th</sup> Floor, Opp. PVR Cinema, Sion Circle, Mumbai-400022.
3. Central Pollution Control Board Regional Directorate – Pune, Survey No. 110, Dhankude Multi-Purpose Hall, Baner Road, Baner, Pune - 411045

CIN U60100MH2008SGC181770

Registered Office : MMRC Transit Office Building, 'A' Wing, 'E' Block, North Side of City Park,  
Behind Income Tax Office, Bandra Kurla Complex, Bandra East, Mumbai - 400 051.  
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**MMRCL Kalbadevi (K3) Rehab Building Environment Six Monthly Compliance Report from July-2021 to December-2021**

**Point No. 3 General Conditions:**

<b>SR. NO.</b>	<b>POINTS OF ENVIRONMENT CLEARANCE:</b>	<b>COMPLIANCE STATUS</b>
I	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	E waste generated during the construction phase will be handed over to M/s. Eco Tantra LLP (MoEF & CC approved agency). Authorization letter & E-Way Bill attached as Annexure – I
II	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	Noted
III	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily imply that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	Project doesn't require Forest Clearance and Wildlife Board NOC.
IV	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Noted
V	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it	The ongoing construction is in accordance with the approved plan by MCGM.

	should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	
VI	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	Consent to Establish under Water Act, Air Act and Hazardous waste Management Rules is obtained from MPCB vide Format 1.0/CAC-CELL/UAN No. 0000092568/CE-2009000059 dtd 02/09/2020.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Lavatory for constructions workers is provided on site.
VIII	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.	Potable drinking water provided for the workers. Drinking water test report attached as Annexure-II Existing facility of Toilet and urinals available is availed.
IX	The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.	Separate bins for dry waste and wet waste has been provided on site and disposed through MCGM arrangement. Photographs attached as Annexure -III.
XI	Arrangement shall be made that wastewater and storm water do not get mixed.	Wastewater generated from construction activity is

		channelized independent of storm water drains.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	No topsoil available at site premises as there were existing structures which are demolished.
XIII	Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	No additional soil is required for levelling of site.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	The project is redevelopment of existing building in densely populated area of kalbadevi and thus does not have space for green belt development at the site. However compensatory plantation has been carried out outside the site. List of tree & photograph attached as Annexure-IV
XV	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Reports are enclosed as Annexure-V
XVI	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	The construction waste and other waste generated during construction activity is stored separately. The excavated material from the site is disposed to the authorized location attached as Annexure -VI

XVII	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Hazardous waste like waste oil, oil filters are stored separately and handed over to authorized vendor for recycling/ disposal as per Hazardous Waste Management Rules.
XVIII	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	DG set is not available
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	No need of separate diesel storage for DG set.
XX	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	The vehicle condition and PUC for all vehicles is ensured during entry and exit from the site.
XXI	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	Control measures to reduce Air Pollution: Water sprinkling, fencing the site boundary, use of dust mask etc. Noise Pollution: Preventive maintenance & lubrication of equipment's, use of ear plug etc. The ambient air & noise monitoring reports are

		attached as Annexure-VII
XXII	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	Ready Mixed Concrete containing fly ash is directly sourced from the vendor.
XXIII	Ready mixed concrete must be used in building construction.	Ready Mixed Concrete used is directly sourced from the vendor.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water from site will be channelized and connected to MCGM storm water drain.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Using pre-mixed concrete, currently no water is required for curing. Issue will be addressed at appropriate stage of construction.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.3	Ground water level and quality will be monitored as per the CGWA NOC.
XXVII	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should	STP will be installed and certified by independent expert before commencing the operations as well as treated effluent would be recycled to maximum extent.

	be made to mitigate the odor problem from STP.	
XXVIII	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	NOC from CGWA will be obtained.
XXIX	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Dual plumbing facility will be provided for reuse of treated wastewater.
XXX	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.	Low flow fixtures will be used.
XXXI	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	Entire building is planned for natural light and ventilation, so there will not be increased electricity and air conditioning load.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	Maximum terrace area will be covered by solar panels and landscape.
XXXIII	Energy conservation measures like installation of CFLs ff FLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed of /sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy	LED lights will be used to avoid mercury contamination. Solar PV panels for common lighting will be provided.

	source as source of energy.	
XXXIV.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low Sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	Alternate regular power supply will be used for backup. Diesel generator will not be used because of space constraint.
XXXV	Noise should be controlled to ensure that it does not exceed the prescribed standards. Owing night- time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noise monitoring during construction phase is carried out through MoEF & CC recognized laboratory. Report attached as Annexure-VII
XXXVI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Traffic circulation pattern is already submitted.
XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air- conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	Entire building is planned for natural light and ventilation, so there will not be increased electricity and air conditioning load.
XXXVII I	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Entire building is planned for natural light and ventilation.
XXXIX	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Supervision and monitoring mechanism during construction phase is in place.

XL	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Environmental Clearance and Consent to Establish is obtained prior to commencement of construction work.
XLI	<b>Six</b> monthly monitoring reports should be submitted to the regional office MoEF, Bhopal with copy to this department and MPCB.	Noted
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, <i>PP</i> to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	Environment management system will be installed and made functional prior to OC. Issue of green belt development is considered in XIV.
XLIII	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And no wet garbage will be disposed outside the premises. Local authority should ensure this.	OWC of adequate capacity will be provided during operation phase.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Consent to Establish from MPCB is obtained. Consent to Operate will be obtained prior to obtaining OC.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Noted
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Qualified staff on site on environment management and EMP implementation for

		construction phase.
XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. This cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Adequate fund allocated.
XLIX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://parivesh.nic.in">http://parivesh.nic.in</a>	Complied.
L	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.	Half yearly compliance report (Jan to June 2021) has been submitted vide letter no.1567 Dated.03/08/2021. This compliance report is for the period of July to Dec. 2021
LI	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	The environmental clearance copy is being sent to MCGM. The EC copy is also available on the MMRC website.
LII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their 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 the SPCB. The criteria	Noted

	pollutant levels namely; SPM, RSPM. SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
LIII	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e- mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Noted.
LIV	The environmental statement for each financial year ending 31st March in Form-Vas is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Noted.

**Point No. 3 Specific Conditions:**

I	PP to increase the solar energy saving to 5%	Maximum solar energy savings would be made based on space availability at site.
II	PP to ensure that proposed STP should be 40% open to sky for adequate ventilation.	Adequate side ventilation as presented during the SEAC meeting would be ensured for dispersion of pollutants considering space constraints between building boundary & plot boundary.
III	PP to use maximum treated wastewater to reduce disposal to 35%.	Treated wastewater would be recycled to the maximum extent in flushing, car washing etc. to reduce the disposal.
IV	PP to provide to cover minimum 25% of total parking arrangement with electric charging stations by providing charging points at suitable places.	This possibility will be explored.
V	The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.	Not Applicable
VI	PP to ensure that CER plan gets approved from Municipal Commissioner.	In process of preparing CER scheme in coordination with MCGM.
VII	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.	Separately attached as Annexure-VIII
VIII	SEIAA decided to grant EC for FSI: 16582.51 m <sup>2</sup> , Non-FSI: 10052.68 m <sup>2</sup> and Total BUA: 26635.19 m <sup>2</sup> (Plan Approval no -P-2642/2019/662 & others/C-Ward/Bhuleshwar/337/1/NAV)	Noted

**Annexure - I**

**Authorization documents of M/s. Eco Tantra LLP**

MAHARASHTRA POLLUTION CONTROL BOARD		
Phone :	24010437/24020781 /24037124/24035273	Kalpataru Point, 3rd & 4th floor, Sion-
Fax :	24044532/24024068/24023516	 Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai - 400 022
Email :	rohq@mpcb.gov.in	
Visit At :	<a href="http://mpcb.gov.in">http://mpcb.gov.in</a>	

**AUTHORISATION FOR STORAGE, DISMANTLING & RECYCLING OF E-WASTE BY RECYCLER/DISMANTLER**

**Ref:** Your Application for Grant of Authorisation 25/07/2018.

1. Authorisation no.: MPCB/RO(HQ)/HSMD/Autho/18/EW -10 Date: 29/10/2018
2. M/s. EcoTantra LLP, is hereby granted an authorisation for Dismantling of E-Waste on the premises situated at. M 365 Raviwar Peth, Bohari Lane Pune , Tal. & Dist. Pune for following:

Sr. No.	Nature of E-Waste	Quantity of E-Waste	Unit
1.	Dismantling E-Waste [As per schedule -I of E-Waste (M) Rules 2016]	160 (One Hundred Sixty Only)	MT/A

3. Authorisation is valid for a period valid up to 30/09/2023.
4. The authorisation is subject to the conditions stated below and such conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.
 

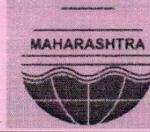
**Terms and conditions of authorisation**

  1. The authorisation shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made thereunder.
  2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Maharashtra Pollution Control Board.
  3. Any unauthorised change in personnel, equipment as working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
  4. It is the duty of the authorised person to take prior permission of the concerned State Pollution Control Board to close down the operations.
  5. An application for renewal of an authorisation shall be made in form no. 4 before one twenty days of expiry of existing authorisation as per the procedure laid in sub-rule (3) of rule 13.
  6. The authorisation shall cease to be valid in case of expiry of the validity or suspension of any of the existing consents under Water (Prevention & Control of pollution) Act, 1981 & Authorization under the E-Waste (Management) Rules, 2016, issued by Maharashtra Pollution Control Board (MPCB)/and shall remain invalid till consent (S)/authorization are obtained.
  7. The Recycler or Dismantler of the E-Waste shall submit copies of valid Consents & Authorization also to the auctioneers/ sellers at the time of each procurement.
  8. The Recycler or Dismantler of the E-Waste shall responsible to ensure that quantity of the E-Waste (S) procured each time is endorsed in this Pass-Book by authorized seller /auctioneer/ collection centre / bulk consumer/ producer of the E-Waste.
  9. The authorised recycler /dismantler of the E-Waste shall follow guidelines for implementation of the E-Waste (M) Rules, 2016 published by the Central Pollution Control Board from time to time.

*[Signature]* 2/...

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24020781  
/24037124/24035273  
Fax : 24044532/24024068  
/24023516  
Email : rohq@mpcb.gov.in  
Website : www.mpcb.gov.in



Kalpataru Point, 3rd & 4th Floor, ,  
Sion- Matunga Scheme Road No. 8, Opp. Cine  
Planet Cinema  
Near Sion Circle, Sion (E),  
Mumbai - 400 022

Red/S.S./Dismantler

UAN: MPCB-CONSENT-0000053561

Consent No: BO/MPCB/RO(HQ)/PN/CO/B-1810001618 Date: 29/10/2018

Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 & Authorization / Renewal of Authorization under Rule 13 of the E-Waste (Management) Rules, 2016.

[To be referred as Water Act, Air Act, HOW (M&TM) Rules and E-Waste (M) Rules, respectively].

CONSENT is hereby granted to

M/s. EcoTantra LLP,  
365 Raviwar Peth, Indraprastha,  
Bohari Lane, Pune.

Located in the area declared under the provisions of the Water Act, Air act, Authorization under the provisions of H&OW (M&TM) Rules and amendments thereto and the E-Waste (M) Rules, 2016 and subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for period upto 31/10/2023.  
[Subject to having valid Authorisation from MPCB as "E-Waste Dismantler" as per provisions of the Rule 11 of the E-Waste (M) Rules, 2016.]

2. The Consent is valid for the activity of -

Sr. No.	Product Name	Maximum Quantity
1	Collection, Dismantling and Refurbishing of E-Waste ITEW - 1,2,3,4,5,6,7,8,9,11,12,13,14,15,16, & CEEW - 1,2,3 &4	160 MT/A

Using Environmentally Sound technology as per E-Waste (M) Rules, 2016

3. CONDITIONS UNDER WATER ACT:

- The daily quantity of trade effluent from the factory shall be NIL.
- The daily quantity of sewage effluent from the factory shall not exceed 0.2 M<sup>3</sup>.
- Trade Effluent Treatment: --- NA ---
- Trade Effluent Disposal: --- NA ---
- Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate

"M/s. EcoTantra LLP, MPCB-CONSENT-0000053561"

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and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

- |                      |               |     |       |
|----------------------|---------------|-----|-------|
| (1) Suspended Solids | Not to exceed | 100 | mg/l. |
| (2) BOD 3 days 27° C | Not to exceed | 30  | mg/l. |

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

(vi) **Non-Hazardous Solid Wastes:**

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1.	Scrap/plastic packing material	05	MT/A	---	Sale to authorized party

(vii) **Other Conditions:** Industry should monitor effluent quality regularly.

**4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under**

The daily water consumption for the following categories is as under:

- |   |     |          |
|---|-----|----------|
| (i) Domestic purpose  | --- | 1.00 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable             | --- | 0.00 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | --- | 0.00 CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed       | --- | 0.00 CMD |

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

**5. CONDITIONS UNDER AIR ACT:**

(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

**Control Equipment:** Industry shall provide air pollution control equipments of sufficient capacity to control the emissions.

**a. Standards for Emissions of Air Pollutants:**

- |                      |               |                       |
|----------------------|---------------|-----------------------|
| (i) SPM/TPM          | Not to exceed | 50 mg/Nm <sup>3</sup> |
| (ii) SO <sub>2</sub> | Not to exceed | -- kg/day             |

(iii) Standards for Stack Emissions:

**The applicant shall observe the following fuel pattern:-**

Sr. No.	Type of Fuel	Quantity	UOM
---			

(ii) **The applicant shall erect the chimney(s) of the following specifications:-**

Sr. No.	Chimney Attached To	Height in Mtrs.
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(iii) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

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

(v) **Other Conditions:**

1. The industry should not cause any nuisance in surrounding area.
2. The industry should monitor stack emissions and ambient air quality regularly.

**6. CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDRY MOVEMENT) RULES, 2016:**

(i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	31.1 – Process residues and waste	1.0	MT/A	CHWTSDF

(ii) The authorization is hereby granted to operate a facility for generation, collection, storage, transport & disposal of hazardous waste.

(iii) It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous & Other Wastes (M & TM) Rules, 2016 and shown & submitted to the Board as & when asked for.

a. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

b. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.

c. **The industry shall submit the Annual Returns as per rules 6(5), and 20 (2) of the Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form - IV by 30<sup>th</sup> June of every year.**

**7. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):**

**i. Collection of WEEE -**

The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.

**Storage for disassembled parts:** The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.

**ii. Storage for other components and residues:-**

Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with them.

**iii. Balances :-**

WEEE Guidelines also requires that sites for handling of WEEE have "balances to measure the weight of the segregated waste". The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.

iv. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.

v. Ferrous and non ferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.

vi. CFCS should be either reused or incinerated in common hazardous waste incineration facilities at CHWTSDF.

vii. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.

viii. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.

ix. Mercury recovery and lead recycling facilities from batteries fall under the

x. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case

Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.

- xi. **The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30<sup>th</sup> day of June of every year.**

**8. Industry shall comply with following general conditions:**

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent / emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection System.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.



9. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
10. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
11. The applicant shall comply with conditions stipulated in the authorization certificate issued by the MPC Board vide no: MPCB/RO(HQ)/HSMD/Autho/18/EW- 10 dated: 29/10/2018, valid up to: 30/09/2023 for dismantling of E-Waste - 160 MT/A
12. The Total Capital investment of the industry is Rs. 8.00/- lakhs.

  
(N. N. Gurav)  
Regional Officer (HQ)

To,  
M/s. EcoTantra LLP,  
365 Raviwar Peth, Indraprastha,  
Bohari Lane, Pune

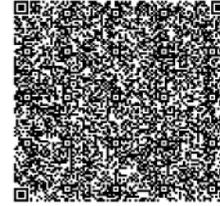
Copy to:  
1) Regional Officer, Pune / SRO Pune -I, MPCB.  
2) Chief Accounts Officer, MPCB, Mumbai,  
3) Master File

Received Consent fee of -

Sr. No.	Amount(Rs.)	TXN No.	Date	Drawn On
1	500/-	TXN1807002870	30/07/2018	Online Payment
2	2000/-	TXN1810001865	20/10/2018	Online Payment

## E-Way Bill of M/s. Eco Tantra LLP

**27AAACV1249F1ZI**  
**VASCON ENGINEERS LIMITED**



**1.e-Invoice Details**

IRN : 130780a343694c6c0c24f7acf86ca84cc7 Ack No. : 122111700981771 Ack Date : 29-09-2021 12:53:00  
 426013bfa0e9a8dbc546cf3c330036

**2.Transaction Details**

Category : B2B Document No. : Mah/21-22/293 IGST applicable despite Supplier and Recipient located in same State : No  
 Document Type : Tax Invoice Document Date : 29-09-2021

**3.Party Details**

<p>Supplier :                  GSTIN : 27AAACV1249F1ZI                  VASCON ENGINEERS LIMITED                  VASCON WEIKFIELD CHAMBER PUNE NAGAR ROAD VIMANNAGAR                  PUNE 411014 MAHARASHTRA                  9011053728 ajitkamathe@vascon.com</p> <p>Despatch From :                  Vascon Engineers Ltd                  Vascon Weikfield Chambers Vaiman Nagar                  Pune                  411014 MAHARASHTRA</p>	<p>Recipient :                  GSTIN : 27AAHFE102911ZJ                  Eco Tantra LLP                  4 Sukrut Apartments 100B/70B Prabhat Road Lane 15 Erandwane                  Pune Place of Supply: MAHARASHTRA                  411004 MAHARASHTRA</p>
--	---

**4.Details of Goods / Services**

SlNo	Item Description	HSN Code	Quantity	Unit	Unit Price(Rs)	Discount(Rs)	Taxable Amount(Rs)	Tax Rate(GST + Cess   State Cess + Cess Non-Advol	Other charges	Total
1	IT Scrap	8471	1	NOS	25424	0	25424	18.00 + 0.00   0.00 + 0	0	30000
<b>Tax'ble Amt</b>		<b>CGST Amt</b>	<b>SGST Amt</b>	<b>IGST Amt</b>	<b>CESS Amt</b>	<b>State CESS</b>	<b>Discount</b>	<b>Other Charges</b>	<b>Round off Amt</b>	<b>Tot Inv. Amt</b>
25424.00		2288.00	2288.00	0.00	0.00	0.00	0.00	0.00	0.00	30000.00

Generated By : 27AAACV1249F1ZI  
 Print Date : 29-09-2021 12:55:39



122111700981771



Digitally Signed by NIC-IRP  
 on :2021-09-29 12:53:00

e-Way Bill



E-Way Bill No: **211343263207**  
E-Way Bill Date: **29-09-2021 01:00 PM**  
Generated By: **27AAACV1249F1ZI VASCON ENGINEERS LIMITED**  
Valid From: **29-09-2021 01:00 PM [15KM ]**  
Valid Until: **30-09-2021**

**IRN Details**

IRN: **130780a343694c6c0c24f7acf86ca84cc7426013bfa0e9a8dbc546cf3c330036**  
Ack No: **122111700981771**  
Ack Date: **29-09-2021 12:53 PM**

**Part - A**

GSTIN of Supplier: **27AAACV1249F1ZI VASCON ENGINEERS LIMITED**  
Place of Dispatch: **Pune MAHARASHTRA 411014**  
GSTIN of Recipient: **27AAHFE1029J1ZJ Eco Trantra LLP**  
Place of Delivery: **Pune MAHARASHTRA 411004**  
Document No.: **Mah/21-22/293**  
Document Date: **29-09-2021**  
Transaction Type: **Bill From-Ship From**  
Value of Goods: **30000.00**  
HSN Code: **8471-IT Scrap**  
Reason for Transportation: **Outward - Supply**  
Transporter: **- Sunil Jaybhaye**

**Part - B**

Mode	Vehicle / Trans Doc No & Dt.	From	Entered Date	Entered By	CEWB No. (If any)	Multi Veh.Info (If any)
Road	MH12FD2105/ & 29-09-2021		29-09-2021	27AAACV1249F1ZI	-	-



211343263207



## TEST REPORT

<b>Name of Organization</b> : M/s.Vascon Engineers Ltd					
<b>Customer Address</b> : MMRC , Kalbadevi, Mumbai					
<b>Customer Reference</b> : Po. 4210011892/0 dtd.01/09/2021					
<b>MoEFCC Validity</b> : 16 <sup>th</sup> Oct 2024			<b>QCI - NABL Validity</b> : 19 <sup>th</sup> March 2022		
<b>Sample Type</b> : Drinking Water			<b>Sampling Done By</b> : Netel India Limited		
<b>Date of Sampling</b> : 06.09.2021			<b>Sample Received</b> : 07.09.2021		
<b>Analysis Start</b> : 08.09.2021			<b>Analysis Finish</b> : 11.09.2021		
<b>Reporting Date</b> : 11.09.2021			<b>Sample Qty &amp; Pkng.</b> : Can (2 lit) & Sterile glass bottle		
<b>Sampling Location</b> : Site office D/W			<b>Sample Code</b> : NIL/W/09/21/015		
Sr. No	Parameter	Method	Unit	Result	
				NIL/W/09/21/015	Limit
1	pH	IS 3025 (Part 11)	-	6.84	6.5 - 8.5
2	Total Dissolved Solids	IS 3025 (Part 16)	mg/l	22	500
3	Total Alkalinity (As CaCO <sub>3</sub> )	IS 3025 (Part 23)	mg/l	8.4	200
4	Total Hardness(As CaCO <sub>3</sub> )	IS 3025 (Part 21)	mg/l	<5	200
5	Chloride ( Cl)	IS 3025 (Part 32)	mg/l	<5	250
6	Residual Free Chlorine	IS 3025 (Part 26)	mg/l	<0.1	0.2
7	Iron (Fe)	APHA 3111-B	mg/l	<0.1	0.30
8	Zinc (Zn)	APHA 3111-B	mg/l	<0.2	5
9	Total Coliforms MPN	IS 1622	Nos/100ml	0	0
10	E.Coli	IS 1622	-	Absent	Absent

## Note :

1. This Test Report refers only to the sample tested.
2. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*



Separate bins for dry waste and wet waste provided



**Annexure – IV**

**Tree plantation & maintenance done in Aarey colony, Goregaon east.**

**Name of Tree:**

<b>SR.NO.</b>	<b>NAME OF TREE</b>
1	TAMAN
2	ARJUN
3	BARINGTONIA
4	UMBER
5	AMLA
6	BAKUL
7	MAHOGANI
8	KANCHAN

**Tree plantation & maintenance photographs**





Netel (India) Limited

## TEST REPORT

Name of Organization : M/s.Vascon Engineers Ltd				
Customer Address : MMRC, Kalbadevi, Mumbai				
Customer Reference :				
MoEFCC Validity : 16 <sup>th</sup> Oct 2024		QCI - NABL Validity : 19 <sup>th</sup> March 2022		
Sample Type : Soil Sample	Sampling Done By : Netel India Limited			
Date of Sampling : 28.06.2021	Sample Received : 28.06.2021			
Analysis Start : 29.06.2021	Analysis Finish : 08.07.2021			
Reporting Date : 08.07.2021	Sample Qty & Pkng. : Plastic Bag (2 Kgs)			
Sampling Location : Near Site Office	Sample Code : NIL/SO/06/21/026			
Sr. No	Test Parameter	Method	Unit	Result
1	pH	IS 2720 (Part 26)	-	9.60
2	Electrical Conductivity	IS 14767	mmhos/cm	4.98
3	Moisture Content	**Lab SOP No. NIL/SOP/06	%	46.10
4	Particle Size Distribution			
5	i. Sand			86.30
6	ii. Silt	International Pipette Method	%	8.10
7	iii. Clay			5.60
8	Texture	International Pipette Method	mg/kg	Loamy Sand
9	Alkalinity	Lab SOP No. NIL/SOP/21	mg/kg	526.30
10	Specific Gravity	ASTM D854	mg/kg	1.68
11	Silica	APHA 4500-C	mg/kg	84.6
12	Sulphate	**Lab SOP No. NIL/SOP/04	mg/kg	684.3
13	Chloride	**Lab SOP No. NIL/SOP/03	mg/kg	2315.2
14	Sodium	**Lab SOP No. NIL/SOP/10	mg/kg	2746.2
15	Potassium	**Lab SOP No. NIL/SOP/10	mg/kg	945.16
16	Calcium	**Lab SOP No. NIL/SOP/08	mg/kg	28315.0
17	Magnesium	**Lab SOP No. NIL/SOP/08	mg/kg	2850.0
18	Lead	**Lab SOP No. NIL/SOP/15	mg/kg	21.3
19	Cadmium	**Lab SOP No. NIL/SOP/15	mg/kg	1.6
20	Chromium	**Lab SOP No. NIL/SOP/15	mg/kg	55.4
21	Manganese	**Lab SOP No. NIL/SOP/15	mg/kg	637.5
22	Nickel	**Lab SOP No. NIL/SOP/15	mg/kg	18.8
23	Cobalt	**Lab SOP No. NIL/SOP/15	mg/kg	12.3
24	Zinc	**Lab SOP No. NIL/SOP/15	mg/kg	6.5
25	Iron	**Lab SOP No. NIL/SOP/15	mg/kg	7694.2
26	Copper	**Lab SOP No. NIL/SOP/15	mg/kg	29.5
27	Aluminium	EPA 3050-B	mg/kg	1234.0
28	Silver	**Lab SOP No. NIL/SOP/15	mg/kg	25.4
29	Oil & Grease	SoxNet Extraction method	mg/kg	465.3

## Note:

1. MDL – Method Detectible Limit.
2. BDL – Below Detectible Limit.
3. \*\* Based on Manual of Soil testing in India, Ministry of Agriculture, GOI, 2011
4. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
5. This Test Report refers only to the sample tested.
6. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:

Surebha Jandkar  
Dy. Technical Manager

Issued by:

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN : U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.  
 Phone : 72080976 / 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com  
 Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



# Ground water Test Report



Netel (India) Limited

## TEST REPORT

Name of Organization : M/s.Vascon Engineers Ltd	
Customer Address : MMRC , Kalbadevi, Mumbai	
Customer Reference :	
MoEFCC Validity : 16 <sup>th</sup> Oct 2024	QCI - NABL Validity : 19 <sup>th</sup> March 2022
Sample Type : Ground Water	Sampling Done By : Netel India Limited
Date of Sampling : 29.06.2021	Sample Received : 30.06.2021
Analysis Start : 01.07.2021	Analysis Finish : 06.07.2021
Reporting Date : 06.07.2021	Sample Qty & Pkng. : Can (2 lit)
Sampling Location : Site office	Sample Code : NIL/W/06/21/228

Sr. No	Parameter	Method	Unit	Result
1	pH	APHA 4500 H+, 23rd ED	--	7.68
2	Total Dissolved Solids	APHA 2540 C, 23rd ED	mg/l	246
3	BOD	IS 3025 (Part 44)	mg/l	<5
4	COD	APHA 5220 B, 23rd ED	mg/l	8
5	Chlorides	APHA 4500-Cl-B, 23rd ED	mg/l	14.3
6	Nitrate	IS 3025 (Part 34)	mg/l	<0.5
7	Sulphate	APHA 4500-SO4 (E), 23rd ED	mg/l	1.6
8	Calcium	APHA 3500-Ca-B, 23rd ED	mg/l	10.3
9	Phosphate	APHA 4500-P, 23rd ED	mg/l	<3
10	Iron	APHA 3111-B, 23rd ED	mg/l	<0.1
11	Lead	APHA 3111-B, 23rd ED	mg/l	<0.05
12	Oil & Grease	APHA 5520-B, 23rd ED	mg/l	0.8
13	Total Nitrogen	APHA 4500-N-C, 23rd ED	mg/l	1.3

**Note :**

1. This Test Report refers only to the sample tested.
2. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by

  
Suraksha Jamdar  
Dy. Technical Manager

Issued by

  
Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN : U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.  
Phone : 72080976 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : cns@netel-india.com  
Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

## Annexure – VI

### Approval letter from MCGM for unloading C & D waste material.

  
**MUNICIPAL CORPORATION OF GREATER MUMBAI**  
(Solid Waste Management Department)

Office of Executive Engineer,  
SWM Zonal Office 1,

Application Number - P-2642/2019/(662) And Other/C Ward/BHULESHWAR/SWM/1/Amend, dated - 03 Aug 2020  
Issued remarks Number /005437/2020/C/SPL Dated 06 Aug 2020.

---

To (Architect / L.S), Vilas Parahadrao Kharche 401,Rushikesh Apartment, Off. Gokhale Road, Mulund (East), Mumbai-400081	CC (Owner), Mumbai Metro Rail Corporation Limited, Mumbai Metro Rail Corporation Limited, NaMTTRI Building, Plot No. R-13, 'E'- Block, Bandra Kurla Complex, Bandra (East), Mumbai 400051.
--	---

**Subject :-** Approval to Construction & Demolition Waste Management Plan for the site at CTS/CS Number 662 ,1/662 of village 2031 at ward Ward C.

**Reference :-** Your application / online submission for C&D Waste Management Plan levelling & filling at designated site dtd. 03 Aug 2020.

With reference to your application/ online submission, the Debris Management Plan submitted by you has been approved as per "Construction and Demolition Waste Rules 2016" and you are allowed to transport Construction & Demolition/ Excavation Material from construction site to the unloading site subject to following terms & conditions.

1. This approval is subject to the orders given by Hon. Supreme Court u/no. in SLP (Civil) No. D23708/2017 dated 15.3.2018. You shall follow this order of Hon. Supreme Court and instructions therein.
2. You shall handle & transport **Construction & Demolition Waste / Excavation Material to the extent of 1200 Brass only to the designated unloading site Construction of 8 laning of existing 4 lane NH3 (New NH-848) Vadape to Thane from km 539.202 to km 563.00 on hybrid annuity mode-Mr. Sunil Upadhyay (9821042521) & validity 06 May 2021.**
3. You shall transport the C&D waste with proper precautions and employ adequate measures safe guards to dispersal of particles through the air.
4. You have mentioned designated site for transportation of C&D waste for filling and levelling purpose. The C&D waste shall be transported and deposited at the designated site only The Landfill site (unloading site) shall be governed by the Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016.
5. In the event for any reason whatsoever, the consent given by the Designated Site / Agency is revoked or the time limit for the designated site has expired or the capacity of unloading site is exhausted. In such case the builder / developer shall forthwith stop the transportation activities. The builder / developer shall submit revised Construction and Demolition waste management plan along with required valid documents for revalidation of existing C&D waste Management Plan.
6. The construction & Demolition Waste shall be transported through your Transport Contractor. The details of the same shall be uploaded in the system by the applicant at the time of actual transportation.
7. The deployed vehicles shall abide by all the R.T.O. rules and regulations. You shall ensure that the vehicles should be properly covered with tarpaulin or any other suitable material firmly to avoid any escape / fall of waste on road from moving vehicle. The body and wheels

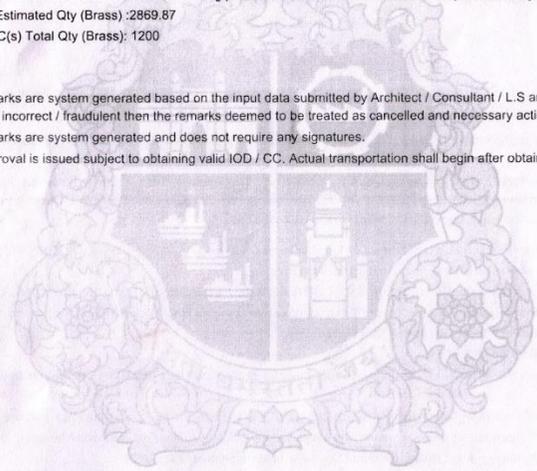
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Page 1 of 2

- shall be cleaned and washed thoroughly to avoid spreading of waste on road.
8. The copy of approved Construction and Demolition Management Plan Shall be accompanied with each and every vehicle under this approval. The developer shall issue the proper Challan for each and every trip of vehicles and that shall be acknowledged by the agency of unloading site. The developer shall maintain record of C&D material transported and shall make it available to MCGM and / or Monitoring Committee whenever required for inspection.
  9. The approval is granted presuming that the papers submitted by the applicants / Owners are genuine. For any dispute arising out of documents submitted by applicant, POA / Occupant / Owner shall be held responsible as prescribed under the law prevailing in force.
  10. The approval granted hereto does not absolve the other approval required from the other department of M.C.G.M. OR Govt. authorities.
  11. In case of disputes, court matters etc. related to the subject site / land / property, this approval cannot be treated as a valid proof.
  12. In case of any breach of condition is brought to the notice of MCGM or Monitoring Committee, Show Cause Notice will be issued and decision will be taken within one month as expeditiously as possible, which shall be binding on you / land owner.
  13. This approval is not a permission for excavation or permission for dumping but this is the only approval under Construction & Demolition Waste Management Plan for the transportation of Construction & Demolition Waste for unloading at designated unloading site.
  14. You / Land owner shall submit valid Bank Guarantee from the bankers approved by the MCGM and the amount applicable as per attached table. The bank guarantee remains valid till grant of Occupation Certificate (OCC).
  15. The license architect / license engineer shall upload compliance report in respect of Construction & Demolition Waste Management Plan, any breach will entitle the cancellation of building permission and work will be liable to stop immediately.
  16. (A) Project Total Estimated Qty (Brass) :2869.87  
(B) Obtained NOC(s) Total Qty (Brass): 1200

**Note:**

1. The above remarks are system generated based on the input data submitted by Architect / Consultant / L.S and if in future it is found that the data is incorrect / fraudulent then the remarks deemed to be treated as cancelled and necessary action will be initiated.
2. The above remarks are system generated and does not require any signatures.
3. This C & D approval is issued subject to obtaining valid IOD / CC. Actual transportation shall begin after obtaining valid IOD / CC only.



## Approval Letter from MCGM for unloading C&D waste material

105

**Municipal Corporation of Greater Mumbai**  
(Solid Waste Management)

EX. ENG / SWM / 105 / Z-III  
19/04/2021

Office of the Ex. Eng.(S.W.M.) Z-III,  
MCGM Building, 2<sup>nd</sup> Floor, 321 TPS  
2, Nehru Road, Vile Parle (E),  
Mumbai - 400 057

To,  
M/s. Vipin Chapshi Shah  
G-7, Sej Plaza, Off. MArve Road,  
Near Nutan School, Malad (West),  
Mumbai - 400064. Ref no: 105

**Subject.:** Approval of new site for unloading of C & D waste material, on the site of Survey No. 30/1/K, 30/3, 30/5, 33/1, 33/2, 33/3, 34/1, 34/2, 35/4/A, 35/1, 35/2, 35/3/A, 35/3B, 35/5, 35/6, 36/1, 36/2, 36/3, 36/4, 37/2/B of village Alkunda, Taluka Bhiwandi, Dist. Thane. (Applicant: M/s. Vipin C Shah)

**Reference:** 1) Application from M/s. Vipin C Shah dtd. 25.02.2021  
2) D.M.C. (SWM)'s approval u/no. DMC/SWM/120 dtd. 16.04.2021

Your application for above referred new unloading site for C & D waste material has been approved by ) D. M.C. (SWM) subject to the following conditions:

- 1) Location of unloading site:- Survey No. 30/1/K, 30/3, 30/5, 33/1, 33/2, 33/3, 34/1, 34/2, 35/4/A, 35/1, 35/2, 35/3/A, 35/3B, 35/5, 35/6, 36/1, 36/2, 36/3, 36/4, 37/2/B of village Alkunda, Taluka Bhiwandi, Dist. Thane.
- 2) Time period:- This permission is valid for one Year (up to 18.04.2022). The validity of the Unloading site can be renewed after one year, only if the conditions mentioned In this letter of acceptance are strictly followed by your firm.
- 3) Quantity of unloading material:- 465300 Brass (1316799 Cu. Mtr.)
- 4) Type of C & D waste to be unloaded at unloading site:- Debris and C & D Waste.
- 5) The approval is subject to the orders given by Hon'ble Supreme Court in SLP (Civil) No. D23708/2017 dtd. 15.03.2018. You shall follow these orders of Hon'ble Supreme Court and instructions therein.
- 6) If the validity of the unloading site gets exhausted, you shall inform this office regarding the same and the permission shall be renewed. In case, if the capacity of the unloading gets filled completely before the validity of the unloading site gets exhausted, you shall forthwith stop the transportation & filling activities and inform this office accordingly.



- 7) This approval is granted presuming that the papers submitted by the applicant/ land owner are genuine. For any dispute arising there from out of documents submitted by applicant. POA/ occupant/ owner shall be held responsible as prescribed under the law prevailing in force.
- 8) It is your responsibility to demarcate clearly on the plot the area for unloading of C & D waste material by the respective filling/ leveling contractors.
- 9) You shall set up a security cabin, manned 24 X 7 for maintaining record at the entrance of unloading site. The records shall contain the details such as date, vehicle number, quantity of C&D waste unloaded, name & address of generation site etc. Also it is your responsibility to submit the record to MCGM, as and when required.
- 10) The entire unloading site shall be enclosed with entry/ exit gate for controlling movement of vehicles.
- 11) You shall make an arrangement of CCTV at the entrance & exit gate for recording movement of the vehicles coming for unloading of C&D waste. The record of the same shall be made available to MCGM as & when required.
- 12) You shall abide & comply by the directives of Hon'ble courts, any statutory authority and MCGM, which may be issued from time to time in this regard.
- 13) The approval granted hereto does not absolve the other approvals required from the other departments of MCGM, NHAI, Govt. Authorities or any other ULBs, especially for wetlands or CRZ affected sites.
- 14) In case of disputes, court matters etc. related to the subject site/ land/ property, this approval cannot be treated as valid proof.
- 15) In case of any breach of condition is brought to the notice of MCGM or monitoring committee as mentioned in the SLP (Civil) No. D23708/2017 dtd. 15.03.2018, show cause notice will be issued and decision will be taken within one month as expeditiously as possible, which shall be binding on you/ land owner. You must note here that, in case of failure to comply conditions stated above and those in approval letter, approval granted to you, as designated unloading site may be revoked by MCGM.
- 16) You shall strictly comply with the "Solid Waste Management Rules, 2016" and "Construction & Demolition Waste Management rules, 2016"
- 17) This approval is as per appointment certificate given by Mr. Mahadev K. Angre. to M/s. Libra Associates, for necessary permission from government authorities like CIDCO of Maharashtra, collectors Mumbai city, suburban & MCGM etc. and your application dtd. 12.12.2019.
- 18) Necessary compliance & mandatory requirements as per the S.O.P. for SWM C & D Waste Management Permissions shall be complied within 15 days from the date of receipt of this approval letter. Failing to which, the permission issued to you as per this approval letter will be revoked.

**ANIL H. MEHTA**  
 ADVOCATE & NOTARY IN CHARGE  
 Parijat Manchhubbhai Road,  
 Mr. Fatimadevi English High School,  
 Malad (east), Mumbai - 400 997.

SEEN ORIGINAL  
 CERTIFIED TRUE COPY



*Anil H. Mehta*  
 Executive Engineer  
 (Solid Waste Management)  
 Zone - III (i/c)

## Excavation permission

### जिल्हाधिकारी व जिल्हादंडाधिकारी कार्यालय, मुंबई शहर

ओल्ड कस्टम हाऊस, शहीद भगतसिंग मार्ग, फोर्ट, मुंबई - ४०० ००१  
Fax. २२६६१२३९ Tel. २२६६५२३३, Email: collector\_mumbaicity@maharashtra.gov.in  
(अपर जिल्हाधिकारी शाखा)

वाचले :- १. मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकाँन इंजिनअर्स लि., वासकाँन वेकफिल्ड चॅंबर्स, पूणे  
नागपूर रोड, पूणे, महाराष्ट्र ४११०१४ यांचेकडील दि. ०८/१२/२०२१ चा अर्ज.  
२. महाराष्ट्र गौण खनिज उत्खनन (विकास व विनियमन) नियम २०१३ मधील नियम ५९  
३. महसूल व वन विभाग, शासन निर्णय क्र. गौखनि-१०/१००९/प्र.क्र.३०९/ख. दि. ११/०२/२०१०  
४. महाराष्ट्र शासन राजपत्र महसूल व वन विभाग, दि. ११ मे २०१५.  
५. परिरक्षण भूमापक, मुंबई शहर यांचेकडील स्थळपाहणी अहवाल दि. २३/०७/२०२०

क्र. सीएसएलआर/मशा-२/प्र.क्र.४७४/गिरगांव / मुंबई / गो.ख.प./२०२१ / 1302  
दिनांक :- १२/१२/२०२१

विषय : जमीन : मुंबई शहर

गिरगांव महसूल विभागातील भूकर क्र. ६६२ व २/६६२ मुंबई या मिळकतीमधून  
खोदकाम करून गौणखनिज उत्खननास परवानगी मिळणेबाबत.

आदेश :-

मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकाँन इंजिनअर्स लि यांनी उपांघातातील १ प्रमाणे या  
कार्यालयास दि. ०८/१२/२०२१ रोजीचे अर्जने गिरगांव महसूल विभागातील भूकर क्र. ६६२ व २/६६२ मुंबई या  
मिळकतीमधून एकूण ३०० ब्रास गौणखनिजे काढण्यास परवानगी मागितलेली आहे. अर्जदार यांनी सदर पत्रासोबत  
लागणारी कागदपत्रे जोडलेली आहे. तसेच त्यांनी रक्कम रु. १८०५००/- चा भरणा Online ब्रास प्रणालीने GRN  
MH००९९४२९२२२०२१२२२E अन्वये दि. १०/१२/२०२१ रोजीचे चलानद्वारे केलेला आहे. अर्जदार यांनी अर्ज शुल्क  
रु. ५००/- चा भरणा स्वामीत्वधनाचे शुल्कासोबत केलेला आहे. सबब गौण खनिज काढण्यास सादर केलेल्या कागदपत्रास  
अनुसरून मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकाँन इंजिनअर्स लि यांनी वर नमूद जमिनीमधून खोदकाम  
करून एकूण ३०० ब्रास गौण खनिज (मुरुम, दगड व माती काढणेस) उत्खननास मो. श्री. अरुण अभंग, अपर  
जिल्हाधिकारी, महाराष्ट्र गौण खनिज उत्खनन (विकास व विनियमन) नियम २०१३ मधील नियम ५९ व महाराष्ट्र शासन  
राजपत्र महसूल व वन विभाग, दि. ११ मे २०१५ प्रमाणे मला प्राप्त अधिकारानुसार खालील अटी व शर्तीवर परवानगी देत  
आहे.

१. सदरचे जमिनीचे खोदकाम करतांना लागतचे जमिनीवरील इमारतीला कोणताही धोका पोहोचणार नाही याची  
दक्षता घ्यावी. याबाबत अर्जदार यांनी या कार्यालयाकडे सादर केलेल्या बंधपत्राचे पालन करावे.

२. खोदकाम केल्यानंतर उत्खननाचे निघालेली माती अगर इतर गौणखनिज कोणत्याही शासकीय जमिनीवर  
टाकण्यात येऊ नये. उत्खनन केलेली माती ज्या जागेवर टाकणार आहेत, त्या जागेच्या मालकाची परवानगी  
घ्यावी. तसेच वृहत्मुंबई महानगरपालिका यांची परवानगी घ्यावी.
३. उत्खननाबाबत या आदेशापासून दोन महिन्यांची मुदत देण्यात येत आहे.
४. मंजूर केलेल्या गौणखनिजापेक्षा जास्त उत्खनन केल्याचे निदर्शनास आल्यास दंडनिय कारवाई करण्यात  
येईल.
५. मुदतीत उत्खनन झाल्याचा अहवाल अर्जदाराचे सादर करावा व त्याप्रमाणे या कार्यालयाचे प्रतिनिधीमार्फत  
प्रमाणित करावे.
६. उत्खनन करण्यास परवानगी दिलेली आहे त्याव्यतिरिक्त अन्य कोणत्याही जागेतून उत्खनन करू नये, तसे  
आढळल्यास दंडनिय कारवाई करण्यात येईल.
७. कांदळवनावर भराव केला जाणार नाही याची दक्षता घ्यावी.
८. मुदतीत काम पूर्ण न झाल्यास पुढील मुदतवाढ मिळणार नाही.
९. उत्खननाच्या मातीची वाहतूक करणारी गाडीची सीएस प्रणाली लावण्यात यावी



(अरुण अभंग)  
अपर जिल्हाधिकारी, मुंबई शहर  
२/१२/२१

प्रत :-

१. मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकाँन इंजिनअर्स लि., वासकाँन वेकफिल्ड चॅंबर्स, पूणे  
नागपूर रोड, पूणे, महाराष्ट्र ४११०१४
२. मा. आयुक्त, वृहत्मुंबई महानगरपालिका, सिएसटी जवळ, मुंबई ४०० ००१ यांना माहितीसाठी सादर.
३. श्री. अमोल जाधव, परिरक्षण भूमापक, नगर भूमापन शाखा.
४. राष्ट्रीय विज्ञान सूचना केंद्र, जिल्हाधिकारी कार्यालय, मुंबई शहर यांना संकेतस्थळावर प्रसिध्द करणेकामी  
अग्रपिंत.

२/- आपणास यापूर्वी दिलेल्या सूचनेप्रमाणे आपले पथकामार्फत वरचेवर स्थळपाहणी करून परवानाधारक यांनी  
केलेल्या गौणखनिजांचे उत्खननाची मोजमापे घेऊन जास्त उत्खनन केल्याचे निदर्शनास आल्यास दंडनिय कार्यवाही  
करण्यात यावी.

Royalty challan for excavated mud transportation- 02 Brass

महाराष्ट्र शासन  
महसूल व वन विभाग  
जिल्हाधिकारी कार्यालय  
(खनिज शाखा)  
गोंया खनिज वाहतुक परवाना

पावती पुस्तक नं. 83  
ROYALTY TP  
अनुक्रमांक : 4138

8000008735593  
eTP No.

परवाना प्रकार : Temporary Permit ( District Level, Mumbai City)

१	जिल्हा आणि तालुका	Mumbai Mero Rail Corporation	
२	गोंया खनिज उत्खनन स्थळ (तालुका / गाव / भू. नं. / क्षेत्र / श्वेत.)	C/o. M/s. Vascon Engineers Ltd. Vascon Wekfield Chambers, Pune Naggur Road, Pune-411014	
३	गोंया खनिज उत्खनन परवाना धारकाचे नाव, पत्ता व भ्रमणध्वनी	C.S No. 662 & 2/662 of Girgaon Division No. Cslr/Msa-2/Pra.Kra.	
४	गोंया खनिज परवाना सजुरी आदेश क्र. व दिनांक	74/Girgaon/Mumbai/Gau.Kha.Pa/2021/1902 Date:- 22/12/2021	
५	गोंया खनिज परवाना कालावधी	Period 22/12/2021 to 21/02/2022 (02 Months)Brass-300	
६	खरदोबाराचे नांव व खनिज वापराचे ठिकाण	Seven Hills Construction Jusu Mumbai	
७	वाहन क्रमांक	MH 46 BF 5303	
	खनिजांचे नांव व परिमाण (QUANTITY)	Scail much	परिमाण : 2 (Two) ब्रास
९	वाहतुक परवाना (eTP) तयार झालेली दिनांक व वेळ	दि. 30/10/21 वेळ (अक्षरी)	2 वाजुन 00 मिनिटे
१०	वाहतुक परवाना (eTP) वधता कालावधी दिनांक व वेळ	दि. 30/10/21 वेळ (अक्षरी)	5 वाजुन 00 मिनिटे
११	वाहन चालकाचे नांव व भ्रमणध्वनी	Pandury satar 7397947400	

वाहन चालकाची स्वाक्षरी  
परवाना धारकाची स्वाक्षरी

For Additional Collector,  
Mumbai city  
सक्षम अधिकारी सही व शिक्का

पुस्तक - मसुदा परवानाची प्रत घेऊन घेतल्यानंतर अर्जात काढण्यात यावा. वाहन वेळापत्रक आदेशद्वारे आदेशानुसार सर्वधिकार प्राप्त होईल. **Powered by: SHAURYA TECHOSOFT PVT. LTD.**

Royalty challan for excavated mud transportation- 04 Brass

महाराष्ट्र शासन  
महसूल व वन विभाग  
**जिल्हाधिकारी कार्यालय**  
(खनिकर्म शाखा)  
गौण खनिज वाहतुक परवाना

पावती पुस्तक नं. 360 **ROYALTY TP** अनुक्रमांक : 17988

8000009090730 eTP No.

**परवाना प्रकार :** Temporary Permit ( District Level, Mumbai City)  
Mumbai Metro Rail Corporation

१	जिल्हा आणि तालुका	C/O. M/s. Vascon Engineers Ltd, Vascon Wakfield Chambers, Pune Nighbour Road, Pune-411014	
२	गौण खनिज उत्खनन स्थळ (तालुका/ गाव/ स.नं. / ग.नं. / क्षेत्र.)	C. S No. 662 & 2/662 of Girgaon Division H. C. Slr/ Msa-2/Pra. Kra.	
३	गौण खनिज उत्खनन परवाना धारकाचे नांव, पत्ता व भ्रमणध्वनी	47/1/Girgaon/Mumbai/Gau. Kra. P/2021/1502 Date:- 22/12/2021	
४	गौण खनिज परवाना मंजुरी आवेश क्र. व दिनांक	Period 22/12/2021 to 21/02/2022 (02 Months) Brass-300	
५	गौण खनिज परवाना कालावधी		
६	खनिकार्याचे नांव व खनिज वापराचे ठिकाण	Seven Hills Constauction Jasai Muabad	
७	वाहन क्रमांक	MH46BF5303	
८	खनिजाचे नांव व परिमाण (QUANTITY)	Soil Muck	परिमाण : 4 (Four) ब्रास
९	वाहतुक परवाना (eTP) तयार झालेली दिनांक व वेळ	दि. -30/10/21 वेळ (अक्षरी) 2	वाचुन 00 मिनिटे
१०	वाहतुक परवाना (eTP) वैधता कालावधी दिनांक व वेळ	दि. -30/10/21 वेळ (अक्षरी) 5	वाचुन 00 मिनिटे
११	वाहन चालकाचे नांव व भ्रमणध्वनी	Panduoggy Satoo (7397947400)	

वाहन चालकाची स्वाक्षरी  
परवाना धारकाची स्वाक्षरी

गौण खनिज उत्खनन  
परवाना धारकाची स्वाक्षरी

For Additional Collector,  
Mumbai city  
सक्षम अधिकारी सही व शिक्का

प्रणाली संदर्भात अधिक माहितीसाठी 020-67800800 या क्रमांकावर संपर्क साधा.  
संपन्न - सहाय्यक सक्षम अधिकारी महाराष्ट्र शासनाचे महसूल व वन विभाग, मुंबई. **Powered by: SHAURYA TECHNOLOGIES PVT. LTD.**

Annexure – VII Ambient Air Monitoring Report- July- 2021



Netel (India) Limited



Netel (India) Limited

TEST REPORT

Name of Organization : M/s.Vascon Engineers Ltd						
Customer Address : MMRC, Kalbadevi, Mumbai						
Customer Reference : Po. 4210011710/0 dtd.07/06/2021						
MoEFCC Validity : 16 <sup>th</sup> Oct 2024			QCI - NABL Validity : 19 <sup>th</sup> March 2022			
Sample Type : Ambient Air			Sampling Done By : Netel India Limited			
Date of Sampling : 12.07.2021			Sample Received : 13.07.2021			
Analysis Start : 13.07.2021			Analysis Finish : 17.07.2021			
Reporting Date : 17.07.2021			Sample Qty & Pkng. : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)			
Sampling Location : Near Site Office			Sample Code : NIL/AA/07/21/137			
Sr. No	Parameter	Method	Duration	Unit	Result	CPCB Limit
					NIL/AA/07/21/137	
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	55.8	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	23.4	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	10.5	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	20.6	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.32	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	3.6	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	20.4	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	3.2	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.21	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	2.1	--

Note:

1. This Test Report refers only to the sample tested.
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3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

A Neterwaia Group Company

CIN : U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.  
Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com  
Registered office : Liberty Building, 3rd Floor, 3rd Villalukas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



TEST REPORT

Name of Organization : M/s.Vascon Engineers Ltd						
Customer Address : MMRC, Kalbadevi, Mumbai						
Customer Reference : Po. 4210011710/0 dtd.07/06/2021						
MoEFCC Validity : 16 <sup>th</sup> Oct 2024			QCI - NABL Validity : 19 <sup>th</sup> March 2022			
Sample Type : Ambient Air			Sampling Done By : Netel India Limited			
Date of Sampling : 26.07.2021			Sample Received : 27.07.2021			
Analysis Start : 27.07.2021			Analysis Finish : 30.07.2021			
Reporting Date : 30.07.2021			Sample Qty & Pkng. : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)			
Sampling Location : Near Site Office			Sample Code : NIL/AA/07/21/212			
Sr. No	Parameter	Method	Duration	Unit	Result	CPCB Limit
					NIL/AA/07/21/212	
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	56.4	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	20.4	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	8.5	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	26.6	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.40	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	4.6	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	20.4	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	4.2	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.18	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	2.0	--

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Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

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Registered office : Liberty Building, 3rd Floor, 3rd Villalukas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



# Ambient Air Monitoring Report- August- 2021



Netel (India) Limited



Netel (India) Limited

## TEST REPORT

<b>Name of Organization</b> : M/s.Vascon Engineers Ltd						
<b>Customer Address</b> : MMRC, Kalbadevi, Mumbai						
<b>Customer Reference</b> : Po. 421001171010 dtd.07/06/2021						
<b>MoEFCC Validity</b> : 16 <sup>th</sup> Oct 2024			<b>QCI - NABL Validity</b> : 19 <sup>th</sup> March 2022			
<b>Sample Type</b> : Ambient Air			<b>Sampling Done By</b> : Netel India Limited			
<b>Date of Sampling</b> : 14.08.2021			<b>Sample Received</b> : 16.08.2021			
<b>Analysis Start</b> : 16.08.2021			<b>Analysis Finish</b> : 18.08.2021			
<b>Reporting Date</b> : 18.08.2021			<b>Sample Qty &amp; Pkng.</b> : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)			
<b>Sampling Location</b> : Near Lotlikar Building			<b>Sample Code</b> : NIL/AA/08/21/141			
Sr. No	Parameter	Method	Duration	Unit	Result	
					NIL/AA/08/21/141	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	50.7	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	19.1	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	10.2	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	27.2	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.23	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	2.1	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	25.2	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	3.0	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.24	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	2.1	--

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Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

## TEST REPORT

<b>Name of Organization</b> : M/s.Vascon Engineers Ltd						
<b>Customer Address</b> : MMRC, Kalbadevi, Mumbai						
<b>Customer Reference</b> : Po. 421001171010 dtd.07/06/2021						
<b>MoEFCC Validity</b> : 16 <sup>th</sup> Oct 2024			<b>QCI - NABL Validity</b> : 19 <sup>th</sup> March 2022			
<b>Sample Type</b> : Ambient Air			<b>Sampling Done By</b> : Netel India Limited			
<b>Date of Sampling</b> : 26.08.2021			<b>Sample Received</b> : 28.08.2021			
<b>Analysis Start</b> : 28.08.2021			<b>Analysis Finish</b> : 31.08.2021			
<b>Reporting Date</b> : 31.08.2021			<b>Sample Qty &amp; Pkng.</b> : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)			
<b>Sampling Location</b> : Near Lotlikar Building			<b>Sample Code</b> : NIL/AA/08/21/220			
Sr. No	Parameter	Method	Duration	Unit	Result	
					NIL/AA/08/21/220	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	57.0	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	16.8	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	12.1	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	28.5	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.33	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	4.1	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	26.2	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	4.1	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.14	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	1.6	--

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Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

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# Ambient Air Monitoring Report- September- 2021



Netel (India) Limited



Netel (India) Limited

## TEST REPORT

Name of Organization : M/s.Vascon Engineers Ltd						
Customer Address : MMRC, Kalbadevi, Mumbai						
Customer Reference : Po. 4210011892/0 dtd.01/09/2021						
MoEFCC Validity : 16 <sup>th</sup> Oct 2024			QCI - NABL Validity : 19 <sup>th</sup> March 2022			
Sample Type : Ambient Air		Sampling Done By : Netel India Limited				
Date of Sampling : 06.09.2021		Sample Received : 07.09.2021				
Analysis Start : 08.09.2021		Analysis Finish : 13.09.2021				
Reporting Date : 13.09.2021		Sample Qty & Pkng. : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)				
Sampling Location : Site Office		Sample Code : NIL/AA/09/21/067				
Sr. No	Parameter	Method	Duration	Unit	Result NIL/AA/09/21/067	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	54.9	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	16.7	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	8.4	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	23.1	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.37	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	3.9	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	34.1	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	4.8	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.24	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	1.9	--

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Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

## TEST REPORT

Name of Organization : M/s.Vascon Engineers Ltd						
Customer Address : MMRC, Kalbadevi, Mumbai						
Customer Reference : Po. 4210011892/0 dtd.01/09/2021						
MoEFCC Validity : 16 <sup>th</sup> Oct 2024			QCI - NABL Validity : 19 <sup>th</sup> March 2022			
Sample Type : Ambient Air		Sampling Done By : Netel India Limited				
Date of Sampling : 21.09.2021		Sample Received : 22.09.2021				
Analysis Start : 22.09.2021		Analysis Finish : 24.09.2021				
Reporting Date : 24.09.2021		Sample Qty & Pkng. : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)				
Sampling Location : Near Site office		Sample Code : NIL/AA/09/21/186				
Sr. No	Parameter	Method	Duration	Unit	Result NIL/AA/09/21/186	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	62.3	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	24	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	7.1	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	19.9	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.4	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	2.7	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	41.2	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	4.9	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.21	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	1.4	--

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Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

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Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 81



# Ambient Air Monitoring Report October- 2021



## TEST REPORT

Name of Organization : M/s. Vascon Engineers Ltd						
Customer Address : MMRC, Kalbadevi, Mumbai						
Customer Reference : Po. 4210012427/0 dtd.02/11/2021						
MoEFCC Validity : 16 <sup>th</sup> Oct 2024			QCI - NABL Validity : 19 <sup>th</sup> March 2022			
Sample Type : Ambient Air			Sampling Done By : Netel India Limited			
Date of Sampling : 06.10.2021			Sample Received : 06.10.2021			
Analysis Start : 07.10.2021			Analysis Finish : 11.10.2021			
Reporting Date : 11.10.2021			Sample Qty & Pkng. : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)			
Sampling Location : Near Site Office			Sample Code : NIL/AA/10/21/047			
Sr. No	Parameter	Method	Duration	Unit	Result NIL/AA/10/21/047	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	62.2	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	24.4	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	17.3	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	44.1	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.33	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	3.0	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	24.5	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	4.7	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.12	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	2.7	--

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Verified by

*Surekha Jamdar*  
Surekha Jamdar  
Dy. Technical Manager

Issued by

*Shradha Kere*  
Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

## TEST REPORT

Name of Organization : M/s. Vascon Engineers Ltd						
Customer Address : MMRC, Kalbadevi, Mumbai						
Customer Reference : Po. 4210012427/0 dtd.02/11/2021						
MoEFCC Validity : 16 <sup>th</sup> Oct 2024			QCI - NABL Validity : 19 <sup>th</sup> March 2022			
Sample Type : Ambient Air			Sampling Done By : Netel India Limited			
Date of Sampling : 22.10.2021			Sample Received : 25.10.2021			
Analysis Start : 25.10.2021			Analysis Finish : 29.10.2021			
Reporting Date : 29.10.2021			Sample Qty & Pkng. : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)			
Sampling Location : Near Lotikar Building			Sample Code : NIL/AA/10/21/257			
Sr. No	Parameter	Method	Duration	Unit	Result NIL/AA/10/21/257	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	61.6	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	24.4	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	13.7	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	40.3	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.43	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	3.9	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	22.7	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	4.1	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.15	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	1.6	--

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Verified by

*Surekha Jamdar*  
Surekha Jamdar  
Dy. Technical Manager

Issued by

*Shradha Kere*  
Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

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Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com  
Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



# Ambient Air Monitoring Report- November- 2021



## TEST REPORT

Name of Organization : M/s.Vascon Engineers Ltd						
Customer Address : MMRC, Kalbadevi, Mumbai						
Customer Reference : Po. 4210012427/0 dtd.02/11/2021						
MoEFCC Validity : 16 <sup>th</sup> Oct 2024			QCI - NABL Validity : 19 <sup>th</sup> March 2022			
Sample Type : Ambient Air			Sampling Done By : Netel India Limited			
Date of Sampling : 11.11.2021			Sample Received : 13.11.2021			
Analysis Start : 13.11.2021			Analysis Finish : 17.11.2021			
Reporting Date : 17.11.2021			Sample Qty & Pkng. : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)			
Sampling Location : Near Site Office			Sample Code : NIL/AA/11/21/106			
Sr. No	Parameter	Method	Duration	Unit	Result	
					NIL/AA/11/21/106	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	51.3	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	25.3	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	11	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	31.5	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.61	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	3.3	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	26.5	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	4.2	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.2	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	3.1	--

**Note :**

1. This Test Report refers only to the sample tested.
2. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN : U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.  
Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com  
Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



Netel (India) Limited

## TEST REPORT

Name of Organization : M/s.Vascon Engineers Ltd						
Customer Address : MMRC, Kalbadevi, Mumbai						
Customer Reference : Po. 4210012427/0 dtd.02/11/2021						
MoEFCC Validity : 16 <sup>th</sup> Oct 2024			QCI - NABL Validity : 19 <sup>th</sup> March 2022			
Sample Type : Ambient Air			Sampling Done By : Netel India Limited			
Date of Sampling : 25.11.2021			Sample Received : 30.11.2021			
Analysis Start : 30.11.2021			Analysis Finish : 02.12.2021			
Reporting Date : 02.12.2021			Sample Qty & Pkng. : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)			
Sampling Location : Near Site Office			Sample Code : NIL/AA/11/21/246			
Sr. No	Parameter	Method	Duration	Unit	Result	
					NIL/AA/11/21/246	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	56.6	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	22.5	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	10.9	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	18.9	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.39	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	2.5	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	22.6	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	4	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.14	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	1.9	--

**Note :**

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3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN : U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.  
Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com  
Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



# Ambient Air Monitoring Report- December- 2021



## TEST REPORT

<b>Name of Organization</b> : M/s.Vascon Engineers Ltd	
<b>Customer Address</b> : MMRC, Kalbadevi, Mumbai	
<b>Customer Reference</b> : Po. 4210012427/0 dtd.02/11/2021	
<b>MoEFCC Validity</b> : 16 <sup>th</sup> Oct 2024	<b>QCI - NABL Validity</b> : 19 <sup>th</sup> March 2022
<b>Sample Type</b> : Ambient Air	<b>Sampling Done By</b> : Netel India Limited
<b>Date of Sampling</b> : 03.12.2021	<b>Sample Received</b> : 08.12.2021
<b>Analysis Start</b> : 08.12.2021	<b>Analysis Finish</b> : 13.12.2021
<b>Reporting Date</b> : 13.12.2021	<b>Sample Qty &amp; Pkng.</b> : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)
<b>Sampling Location</b> : Near Site Office	<b>Sample Code</b> : NIL/AA/12/21/077

Sr. No	Parameter	Method	Duration	Unit	Result	
					NIL/AA/12/21/077	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	57.8	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	20.4	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	10.4	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	21.6	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.32	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	3.3	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	20.4	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	3.4	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.23	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	2.1	--

**Note :**

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3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN : U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.  
Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com  
Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



## TEST REPORT

<b>Name of Organization</b> : M/s.Vascon Engineers Ltd	
<b>Customer Address</b> : MMRC, Kalbadevi, Mumbai	
<b>Customer Reference</b> : Po. 4210012427/0 dtd.02/11/2021	
<b>MoEFCC Validity</b> : 16 <sup>th</sup> Oct 2024	<b>QCI - NABL Validity</b> : 19 <sup>th</sup> March 2022
<b>Sample Type</b> : Ambient Air	<b>Sampling Done By</b> : Netel India Limited
<b>Date of Sampling</b> : 18.12.2021	<b>Sample Received</b> : 22.12.2021
<b>Analysis Start</b> : 23.12.2021	<b>Analysis Finish</b> : 29.12.2021
<b>Reporting Date</b> : 29.12.2021	<b>Sample Qty &amp; Pkng.</b> : Filter Paper (2 nos), Charcoal Tube, Bladder, & 50ml Plastic Bottle (4 nos)
<b>Sampling Location</b> : Near Site Office	<b>Sample Code</b> : NIL/AA/12/21/212

Sr. No	Parameter	Method	Duration	Unit	Result	
					NIL/AA/12/21/212	CPCB Limit
1	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	24 Hrs	µg/m <sup>3</sup>	60.4	100
2	Particulate Matter (PM <sub>2.5</sub> )	NIL/AIR/SOP/03†	24 Hrs	µg/m <sup>3</sup>	16.4	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS-5182 (Part-02)	24 Hrs	µg/m <sup>3</sup>	10.2	80
4	Oxides of Nitrogen (NO <sub>x</sub> )	IS-5182 (Part-06)	24 Hrs	µg/m <sup>3</sup>	20.0	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	8 Hrs	mg/m <sup>3</sup>	0.35	2
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS-5182 (Part-11)	24 Hrs	µg/m <sup>3</sup>	3.4	5
7	Ammonia (NH <sub>3</sub> )	ISC Part-II (Method-	24 Hrs	µg/m <sup>3</sup>	20.4	400
8	Ozone (O <sub>3</sub> )	IS-5182 (Part-09)	8 Hrs	µg/m <sup>3</sup>	3.4	100
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	24 Hrs	ng/m <sup>3</sup>	<0.5	1
10	Lead (Pb)	APHA - Air 3rd	24 Hrs	µg/m <sup>3</sup>	0.13	1
11	Arsenic (As)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<1	6
12	Nickel (Ni)	APHA - Air 3rd	24 Hrs	ng/m <sup>3</sup>	<0.1	20
13	Hydrocarbon	IS 5182 (Part 17)	24 Hrs	ppm	2.1	--

**Note :**

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3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by

Surekha Jamdar  
Dy. Technical Manager

Issued by

Shradha Kere  
Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN : U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.  
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Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



# Noise Monitoring Report July- 2021



## NOISE MONITORING REPORT

Name of Organization : M/s.Vascon Engineers Ltd  
 Customer Address : MMRC , Kalbadevi, Mumbai  
 Customer Reference : Po. 4210011710/0 dtd.07/06/2021

Location	Site Office (Kalbadevi)		Site Office (Kalbadevi)		
Date	01.07.2021		03.07.2021		
Hourly $L_{eq}$	06:00 - 07:00	52.3	65.9		
	07:00 - 08:00	59.6	64.7		
	08:00 - 09:00	60.3	63.2		
	09:00 - 10:00	67.8	65.1		
	10:00 - 11:00	73.4	64.5		
	11:00 - 12:00	67.6	66.0		
	12:00 - 13:00	70.9	69.6		
	13:00 - 14:00	69.0	68.3		
	14:00 - 15:00	71.6	70.9		
	15:00 - 16:00	71.3	62.6		
	16:00 - 17:00	72.0	68.6		
	17:00 - 18:00	67.3	62.3		
	18:00 - 19:00	64.7	67.3		
	19:00 - 20:00	63.4	60.7		
	20:00 - 21:00	67.5	70.9		
	21:00 - 22:00	68.6	67.5		
	22:00 - 23:00	63.6	59.7		
	23:00 - 00:00	61.7	67.7		
	00:00 - 01:00	62.1	62.3		
	01:00 - 02:00	62.4	68.9		
	02:00 - 03:00	63.1	68.9		
	03:00 - 04:00	63.6	67.2		
	04:00 - 05:00	60.3	61.7		
	05:00 - 06:00	59.3	65.8		
***	Day	Night	Day	Night	
Leq	$L_{eq}$	68.9	62.2	67.1	66.4
	$L_{10}$	71.8	63.6	70.3	68.9
	$L_{50}$	67.7	62.3	66.0	66.5
	$L_{90}$	61.9	59.9	61.5	62.1
	$L_{max}$	73.4	63.6	70.9	68.9
	$L_{min}$	62.3	69.3	60.7	59.7

Note: All Values in dB(A)

Verified by:

Surekha Jamdar  
Dy. Technical Manager

Issued by:

Shradha Kere  
Technical Manager

A Neterwala Group Company

CIN : U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701  
 Phone: 72080976 92 / 93 / 94 / 95 • Website: www.netel-india.com • E-mail: ems@netel-india.com

Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



# Noise Monitoring Report August- 2021



## NOISE MONITORING REPORT

Name of Organization : M/s.Vascon Engineers Ltd  
 Customer Address : MMRC , Kalbadevi, Mumbai  
 Customer Reference : Po. 4210011710/0 dtd.07/06/2021

Location	Site Office (Kalbadevi)		Site Office (Kalbadevi)		
Date	02.08.2021		05.08.2021		
Hourly $L_{eq}$	06:00 - 07:00	63.5	69.2		
	07:00 - 08:00	58.7	63.6		
	08:00 - 09:00	62.9	58.0		
	09:00 - 10:00	65.9	69.6		
	10:00 - 11:00	66.1	69.5		
	11:00 - 12:00	72.0	62.3		
	12:00 - 13:00	69.1	65.1		
	13:00 - 14:00	65.3	67.8		
	14:00 - 15:00	72.1	70.1		
	15:00 - 16:00	70.1	62.3		
	16:00 - 17:00	70.0	69.6		
	17:00 - 18:00	67.6	62.3		
	18:00 - 19:00	62.3	69.7		
	19:00 - 20:00	60.3	67.0		
	20:00 - 21:00	63.6	69.4		
	21:00 - 22:00	66.3	64.3		
	22:00 - 23:00	64.9	67.2		
	23:00 - 00:00	65.2	63.2		
	00:00 - 01:00	73.1	60.8		
	01:00 - 02:00	65.7	60.1		
	02:00 - 03:00	62.1	64.6		
	03:00 - 04:00	61.3	62.3		
	04:00 - 05:00	68.5	67.2		
	05:00 - 06:00	66.4	68.4		
***	Day	Night	Day	Night	
Leq	$L_{eq}$	67.6	67.5	67.4	65.2
	$L_{10}$	71.1	69.9	69.7	67.6
	$L_{50}$	66.0	65.5	67.4	63.9
	$L_{90}$	61.3	61.8	62.3	60.5
	$L_{max}$	72.1	73.1	70.1	68.4
	$L_{min}$	59.7	61.3	59.0	60.1

Note: All Values in dB(A)

Verified by:

Surekha Jamdar  
Dy. Technical Manager

Issued by:

Shradha Kere  
Technical Manager

A Neterwala Group Company

CIN : U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701  
 Phone: 72080976 92 / 93 / 94 / 95 • Website: www.netel-india.com • E-mail: ems@netel-india.com

Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



# Noise Monitoring Report Sept- 2021



Netel (India) Limited

## NOISE MONITORING REPORT

Name of Organization : M/s. Vascon Engineers Ltd  
 Custom Customer Address : MMRC, Kalbadevi, Mumbai  
 Custom Customer Reference : Po. 4210011892/0 dtd.01/09/2021

Location		Site Office (Kalbadevi)	Site Office (Kalbadevi)		
Date		06.09.2021	09.09.2021		
Hourly $L_{eq}$	06:00 - 07:00	67.9	61.7		
	07:00 - 08:00	70.6	62.8		
	08:00 - 09:00	64.2	65.0		
	09:00 - 10:00	68.9	62.2		
	10:00 - 11:00	74.3	67.7		
	11:00 - 12:00	69.9	67.0		
	12:00 - 13:00	71.2	69.3		
	13:00 - 14:00	70.2	67.7		
	14:00 - 15:00	75.6	69.9		
	15:00 - 16:00	73.2	71.3		
	16:00 - 17:00	72.1	70.1		
	17:00 - 18:00	68.4	71.4		
	18:00 - 19:00	70.9	66.0		
	19:00 - 20:00	64.8	71.3		
	20:00 - 21:00	64.8	67.1		
	21:00 - 22:00	66.8	64.7		
	22:00 - 23:00	72.4	63.6		
	23:00 - 00:00	66.9	63.3		
	00:00 - 01:00	67.5	61.9		
	01:00 - 02:00	60.9	61.6		
	02:00 - 03:00	60.9	61.5		
	03:00 - 04:00	65.3	59.3		
	04:00 - 05:00	64.0	58.6		
	05:00 - 06:00	66.8	62.1		
Leq	---	Day	Night	Day	Night
	$L_{10}$	70.8	67.1	68.2	61.8
	$L_{50}$	73.8	69.0	71.3	63.4
	$L_{50}$	70.1	66.1	67.4	61.8
	$L_{90}$	64.7	60.9	63.1	59.0
	$L_{max}$	75.6	72.4	71.4	63.6
$L_{min}$	64.2	60.9	61.7	58.6	

Note: All Values in dB(A)

Verified by:

Surekha Jemdar  
Dy. Technical Manager

Issued by:

Shradha Kere  
Technical Manager

# Noise Monitoring Report October- 2021



Netel (India) Limited

## NOISE MONITORING REPORT

Name of Organization : M/s. Vascon Engineers Ltd  
 Customer Address : MMRC, Kalbadevi, Mumbai  
 Customer Reference : Po. 4210012427/0 dtd.02/11/2021

Location		Site Office (Kalbadevi)	Site Office (Kalbadevi)		
Date		11.10.2021	14.10.2021		
Hourly $L_{eq}$	06:00 - 07:00	60.0	62.3		
	07:00 - 08:00	62.5	66.7		
	08:00 - 09:00	60.3	68.0		
	09:00 - 10:00	67.5	64.8		
	10:00 - 11:00	63.6	65.8		
	11:00 - 12:00	67.5	63.8		
	12:00 - 13:00	65.8	71.3		
	13:00 - 14:00	64.2	65.5		
	14:00 - 15:00	68.4	62.3		
	15:00 - 16:00	66.8	64.1		
	16:00 - 17:00	69.6	65.3		
	17:00 - 18:00	68.1	64.0		
	18:00 - 19:00	65.9	66.7		
	19:00 - 20:00	66.3	66.0		
	20:00 - 21:00	68.3	66.9		
	21:00 - 22:00	67.8	63.9		
	22:00 - 23:00	68.3	63.0		
	23:00 - 00:00	69.3	61.7		
	00:00 - 01:00	62.2	61.0		
	01:00 - 02:00	64.4	65.5		
	02:00 - 03:00	68.1	67.5		
	03:00 - 04:00	55.4	67.3		
	04:00 - 05:00	55.3	61.3		
	05:00 - 06:00	58.4	62.5		
Leq	---	Day	Night	Day	Night
	$L_{10}$	66.5	65.4	66.3	64.5
	$L_{50}$	68.4	68.6	68.4	67.4
	$L_{50}$	66.6	63.3	65.4	62.8
	$L_{90}$	63.1	55.4	63.4	61.2
	$L_{max}$	69.6	69.3	71.3	67.5
$L_{min}$	60.0	55.3	62.3	61.0	

Note: All Values in dB(A)

Verified by:

Surekha Jemdar  
Dy. Technical Manager

Issued by:

Shradha Kere  
Technical Manager

A Neterwala Group Company

W-408, Rabale MIDC, Tel: 72080976/92/93/94/95  
 TTC Industrial Area,  
 NAVI MUMBAI - 400 701,  
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 Website: www.netel-india.com  
 CIN: U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020, Tel. : 22068231 / 61



A Neterwala Group Company

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.  
 Phone : 72080976/92/93/94/95 • Website : www.netel-india.com • E-mail : oms@netel-india.com  
 Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

CIN : U74999MH2003PLC142228



# Noise Monitoring Report November- 2021



Netel (India) Limited

## NOISE MONITORING REPORT

Name of Organization : M/s.Vascon Engineers Ltd  
 Customer Address : MMRC , Kalbadevi, Mumbai  
 Customer Reference : Po. 4210012427/0 dtd.02/11/2021

Location	Site Office (Kalbadevi)				
	Date	22.11.2021	25.11.2021		
Hourly $L_{eq}$	06:00 - 07:00	63.5	69.2		
	07:00 - 08:00	59.7	63.6		
	08:00 - 09:00	62.9	58.0		
	09:00 - 10:00	65.9	69.6		
	10:00 - 11:00	66.1	69.5		
	11:00 - 12:00	72.0	62.3		
	12:00 - 13:00	69.1	65.1		
	13:00 - 14:00	65.3	67.8		
	14:00 - 15:00	72.1	70.1		
	15:00 - 16:00	70.1	62.3		
	16:00 - 17:00	70.0	69.6		
	17:00 - 18:00	67.6	62.3		
	18:00 - 19:00	62.3	69.7		
	19:00 - 20:00	60.3	67.0		
	20:00 - 21:00	63.6	69.4		
	21:00 - 22:00	66.3	64.3		
	22:00 - 23:00	64.9	67.2		
	23:00 - 00:00	65.2	63.2		
	00:00 - 01:00	73.1	60.8		
	01:00 - 02:00	65.7	60.1		
	02:00 - 03:00	62.1	64.6		
	03:00 - 04:00	61.3	62.3		
	04:00 - 05:00	68.5	67.2		
	05:00 - 06:00	66.4	68.4		
Leq	---	Day	Night	Day	Night
	$L_{eq}$	67.6	67.5	67.4	65.2
	$L_{10}$	71.1	69.9	69.7	67.6
	$L_{50}$	66.0	65.5	67.4	63.9
	$L_{90}$	61.3	61.8	62.3	60.5
	$L_{max}$	72.1	73.1	70.1	68.4
$L_{min}$	59.7	61.3	58.0	60.1	

Note: All Values in dB(A)

Verified by:

*Surekha*

Surekha Jamdar  
Dy. Technical Manager

Issued by:

*Shradha*

Shradha Kere  
Technical Manager

# Noise Monitoring Report December- 2021



Netel (India) Limited

## NOISE MONITORING REPORT

Name of Organization : M/s.Vascon Engineers Ltd  
 Customer Address : MMRC , Kalbadevi, Mumbai  
 Customer Reference : Po. 4210012427/0 dtd.02/11/2021

Location	Site Office (Kalbadevi)				
	Date	28.12.2021	31.12.2021		
Hourly $L_{eq}$	06:00 - 07:00	60.0	62.3		
	07:00 - 08:00	62.5	66.7		
	08:00 - 09:00	60.3	66.0		
	09:00 - 10:00	67.5	64.8		
	10:00 - 11:00	63.6	65.8		
	11:00 - 12:00	67.5	63.8		
	12:00 - 13:00	65.8	71.3		
	13:00 - 14:00	64.2	65.5		
	14:00 - 15:00	68.4	62.3		
	15:00 - 16:00	66.8	64.1		
	16:00 - 17:00	69.6	65.3		
	17:00 - 18:00	68.1	64.0		
	18:00 - 19:00	65.9	68.7		
	19:00 - 20:00	66.3	66.0		
	20:00 - 21:00	68.3	66.9		
	21:00 - 22:00	67.8	63.9		
	22:00 - 23:00	68.3	63.0		
	23:00 - 00:00	69.3	61.7		
	00:00 - 01:00	62.2	61.0		
	01:00 - 02:00	64.4	65.5		
	02:00 - 03:00	68.1	67.5		
	03:00 - 04:00	55.4	67.3		
	04:00 - 05:00	55.3	61.3		
	05:00 - 06:00	58.4	62.5		
Leq	---	Day	Night	Day	Night
	$L_{eq}$	66.5	65.4	66.3	64.5
	$L_{10}$	68.4	68.6	68.4	67.4
	$L_{50}$	66.6	63.3	65.4	62.8
	$L_{90}$	63.1	55.4	63.4	61.2
	$L_{max}$	69.6	69.3	71.3	67.5
$L_{min}$	60.0	55.3	62.3	61.0	

Note: All Values in dB(A)

Verified by:

*Surekha*

Surekha Jamdar  
Dy. Technical Manager

Issued by:

*Shradha*

Shradha Kere  
Technical Manager

**Sprinkler of water using water spraying gun**



**Annexure VIII - EC Standard Conditions**

	<b>POINTS OF ENVIRONMENT CLEARANCE</b>	<b>COMPLIANCE STATUS</b>
1	The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.	Will be complied before starting actual work
2	Notification GSR 94(E) dated 25.01.2018 of MoEF & CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	Sprinkling of water on vehicle access road & excavated muck collected area. Reduce speed of vehicles. Fencing to all open area of site boundary. Use of dust mask by workers
3	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	Doing Ambient Air Quality Monitoring every 15 days for 24 hours during construction, Dust control measures in place. The ambient air quality monitoring reports are attached as Annexure-VII

4	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	G.I. sheet fencing done for open area of the site boundary at above 3-meter height. Required control measures will be taken when actual work started.
5	Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.	RMC is procured for concreting, hence Sand, murrum & cement are not stored on site. Loose soil in wet stage is getting disposed at designated dumping location.
6	Wet jet shall be provided for grinding and stone cutting.	Yes
7	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Water sprinkling using water jet spraying
8	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.	Temporary drainage provided
9	No ground water shall be used during construction phase of the project.	Yes
10	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.	Yes

11	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	Dust control measures taken & dust mask provided to workers
12	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	EPR Plan prepared, HIRA for initial stage activity prepared & will continue before starting new activities. DMP prepared & displayed at main entrance & offices.
13	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Labour camp provided near adjacent building and all facilities are available. Female workers not yet employed so creche not required
14	Occupational health surveillance of the workers shall be done on a regular basis.	Appointed qualified doctor to visit the site for health checkup.
15	A First Aid Room shall be provided in the project both during construction and operations of the project.	First Aid Box provided in site office. Biomedical waste will be given to MPCB approved vendor M/s. SMS Envoclean Private Ltd. Authorization will be obtained.