

No. MMRC/Planning/Maint./2023/806

Date - 03/04/2023

To  
The Principal Secretary,  
Environment & Climate Change Department  
&  
Member Secretary, SEIAA,  
Environment, 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. 667,664,1/665,665,671,666,667,668,669,662 & 1/662 of Bhuleshwar division in Kalbadevi 'C' ward by Mumbai Metro Rail Corporation - **Six monthly Compliance Report for the period July 2022 to December 2022.**

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

Respected Madam,

With reference to compliance reports submission in respect of the condition of Environmental Clearance No. SIA/MH/MIS/146165/2020 dated 31/03/2020 granted to redevelopment project of an affected building at Kalbadevi station of MML-3 referred above, please find enclosed the six-monthly compliance report for the period July 2022 to December 2022 herewith for perusal.

Regards,

ED (Planning)  
MMRCL

Enclosure: - As above

CC:

1. Regional office, Scientist 'D' MOEFCC, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur-440001.
2. Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> Floor, Opp. PVR Cinema, Sion Circle, Mumbai-400022.
3. Regional Officer, Maharashtra Pollution Control Board, Kalpataru Point, 2<sup>nd</sup> Floor, Opp. PVR Cinema, Sion Circle, Mumbai-400022.
4. Central Pollution Control Board, Zonal Office, Parivesh Bhavan, Aatmajyoti Ashram Rd., Subhanpura, Vadodara, Gujarat - 390023

**EC Six Monthly Compliance Report For the period July-2022 to December-2022****Point No.1 Specific Conditions:**

I	PP to increase the solar energy saving to 5%	Maximum solar energy savings would be practice 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 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.	Waste to Energy project scheme will be sent to MC, MCGM for approval.
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-IX
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-	Noted

**Point No.2 General Conditions:**

SR. NO.	POINTS OF ENVIRONMENT CLEARANCE:	COMPLIANCE STATUS
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 the M/s. Eco Tantra LLP (MoEF & CC approved agency). Authorization letter & E-Waste 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.	Will be complied
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 does not attract the provision of Forest Clearance and wildlife from 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 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.	The ongoing construction is in accordance with the approved plan by MCGM.

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 <b>vide Format 1.0/CAC-CELL/UAN No. 0000092568/CE-2009000059 dtd. 02/09/2020.</b>
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 have 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.	Waste water generated from construction activity is channelized independent of storm water drains. Photograph attached
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	No topsoil excavated from site premises



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.	This redevelopment project of existing building is in densely populated area of kalbadevi. Hence due to space constrain 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.	Soil and ground water testing done. 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 and disposed through authorized vendor 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.	No Hazardous waste generated at this initial stage. Will be disposed of as per applicable rules and norms with necessary approvals of the MPCB.

XVIII	<p>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.</p> <p>The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.</p>	DG set not using at this stage of construction
XIX.	<p>The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.</p>	DG set not available
XX	<p>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.</p>	<p>The vehicle condition and PUC for all vehicles is ensured during entry and exit from the site. PUC copy attached.</p>
XXI	<p>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.</p>	<p>Control measures to reduce Air Pollution: Sprinkling of water daily basis, fencing of site boundary, use of dust mask etc.</p> <p>Noise Pollution: Preventive maintenance &amp; lubrication of equipment's, use of ear plug etc.</p> <p>The ambient air &amp; noise monitoring reports are attached as Annexure-VII</p>
XXII	<p>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).</p>	<p>Fly Ash Used as building material as per the provision of the fly ash notification of September 1999 and amended as 27th August 2003.</p> <p>Attached as Annexure-VIII</p>

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 with prior permission of MCGM.
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. This will be complied at appropriate stage of construction.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.3	Will be complied
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 affluent, 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 affluent, if any should be discharge in the sewer line. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odor problem from STP.	STP will be certified by independent expert before commencing the operations as well as treated effluent would be recycled to maximum extent.
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.	Will be complied
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 provided.

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 source as source of energy.	LED lights will be used to avoid mercury contamination. Solar PV panels for common lighting will be provided.
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. Due to space constraint diesel generator will not be used.
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, I 986, 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 already been obtained prior to commencement of construction work.
XLI	Six monthly monitoring reports should be submitted to the regional office MoEF, Bhopal with copy to this department and MPCB.	Submitted
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.
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 will be deployed as per requirement.
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 has been submitted vide letter no.1883 Dated. <b>05/08/2022</b>
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	<p>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 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.</p>	Noted
LIII	<p>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.</p>	Noted.
LIV	<p>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.</p>	Noted.



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: 29/12/2018

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

- Authorisation is valid for a period valid up to 30/09/2023.
  - 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**
- The authorisation shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made thereunder.
  - The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Maharashtra Pollution Control Board.
  - 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. It is the duty of the authorised person to take prior permission of the concerned State Pollution Control Board to close down the operations.
  - 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. 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.
  - 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.
  - 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.
  - 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.

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# 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/COB-1/810001618 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, & CEEM - 1,2,3 &4 160 MT/A

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

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall be NIL.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 0.2 M<sup>3</sup>.
- (iii) Trade Effluent Treatment: ... NA ...
- (iv) Trade Effluent Disposal: ... NA ...
- (v) 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.

(v7) **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.

(v7) **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
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(ii) The applicant shall erect the chimney(s) of the following specifications:-

\*M/s. EcoTantra LLP, MPCB-CONSENT-0000053561\*



Sr. No. \_\_\_\_\_ Chimney Attached To \_\_\_\_\_ Height in Mtrs. \_\_\_\_\_

(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 & TRANSPORTATION 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 Existing environmental regulations for air, water, noise, land and soil pollution
- 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

"M/s. EcoTantira LLP, MPCB-CONSENT-0000053361"



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. As 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.

<sup>4</sup>“Ms. EcoTantira LLP, MPCB-CONSENT-00000353561”



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 Ravivkar 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	20000/-	TXN1810001865	20/10/2018	Online Payment



**27AACV1249F1ZI**  
**VASCON ENGINEERS LIMITED**



**1.e-Invoice Details**

IRN : 13078034369460c24f7ac86cab4cc7 Ack No. : 122111700981771 Ack Date : 29-09-2021 12:53:00  
 4280138f0e9e98bc546d3c330036

**2.1-Transaction Details**

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

**3.Party Details**

<b>Supplier :</b> GSTIN : 27AACV1249F1ZI VASCON ENGINEERS LIMITED VASCON WEIFIELD CHAMBER PUNE MAGAR ROAD VINANNAGAR PUNE 411014 MAHARASHTRA 9011033728 ajitkamathe@vascon.com	<b>Recipient :</b> GSTIN : 27AAHF1029J1ZJ Eco Trantra LLP 4 Sukrut Apartments 1008/708 Prabhkar Road Lane 15 Fandwane Pune Place of Supply: MAHARASHTRA 411004 MAHARASHTRA
---	---

**Despatch From :**  
 Vascon Engineers Ltd  
 Vascon Weikfield Chambers Vaiman Nagar  
 Pune  
 411014 MAHARASHTRA

**4.Details of Goods / Services**

SINO	Item Description	HSN Code	Quantity	Unit	Price(Rs)	Discount(Rs)	Taxable Amount(Rs)	Tax Rate(GST + Cess   Non-Advol)	Other charges	Total
1	IT Scrap	9471	1	NOS	25424	0	25424	18.00 + 0.00   0.00 + 0	0	30000
<b>Taxable 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 : 27AACV1249F1ZI  
 Print Date : 29-09-2021 12:55:39



122111700981771

**eSign**  
 Digitally Signed by NIC-RP  
 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: **Z7AACV1249F1Z1 VASCON ENGINEERS LIMITED**  
Valid From: **29-09-2021 01:00 PM [15KM ]**  
Valid Until: **30-09-2021**

**IRN Details**

IRN: **130780a343694660c24f7ac86ca94c7426013ff60e9a8db546f3c330036**  
Ack No: **122111700981771**  
Ack Date: **29-09-2021 12:53 PM**

**Part - A**

GSTIN of Supplier **27AACV1249F1Z1**  
VASCON ENGINEERS LIMITED  
Place of Dispatch **Pune MAHARASHTRA 411014**  
GSTIN of Recipient **Z7AAHF10291ZJ**  
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**

Vehicle / Mode	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	Z7AACV1249F1Z1	-	-



211343263207



TC 6709



Netel (India) Limited



Netel (India) Limited

## TEST REPORT

<b>Name of Organization</b> : M/s. Vascon Engineers Ltd					
<b>Address</b> : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002					
<b>Customer Reference</b> : PO NO :4210012427/1 Dated 02.11.2021					
<b>MoEFCC Validity</b> : 16 October, 2024		<b>QCI - NABL Validity</b> : 16th June 2024			
<b>Discipline/ Group</b> : Chemical-Water		<b>Test Report No.</b> : NIL/W/10/22/264			
<b>Sample Type</b> : Drinking Water		<b>Sample Code</b> : NIL/W/10/22/264			
<b>Sampling Method</b> : IS 3025 (P-1)		<b>Ambient Temperature</b> : 25°C			
<b>Sampling Date</b> : 18.10.2022		<b>Sample Receive Date</b> : 18.10.2022			
<b>Analysis Start Date</b> : 19.10.2022		<b>Analysis End Date</b> : 27.10.2022			
<b>Reporting Date</b> : 27.10.2022		<b>Sample Qty &amp; Pkng.</b> : 2 lit Plastic Can & Micro Bottle			
<b>Sampling Location</b> : Labour Camp D/w		<b>Sampling Done By</b> : Netel (India) Limited			
Sr. No	Parameter	Result	Limit	Unit	Method
<b>Physical Parameter</b>					
1	pH @ 25 °C	7.12	6.5 - 8.5	--	IS 3025(Part 11)
2	Total Dissolved Solids	82	500	mg/lit	IS 3025(Part 16)
<b>Chemical Parameter</b>					
3	Chloride(Cl)	9	250	mg/lit	IS 3025(Part 32)
4	Iron(Fe)	<0.1	0.3	mg/lit	APHA 3111-B,23rd AAS
5	Total Alkalinity	39.6	200	mg/lit	IS 3025(Part 23)
6	Total Hardness	35.5	200	mg/lit	IS 3025(Part 21)
7	Zinc(Zn)	<0.2	5	mg/lit	APHA 3111-B,23rd AAS

## Note :

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2. This Test Report refers only to the sample tested.
3. The Complaint register is available with the laboratory as per Environment protection act 1986.

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

Verified by:

Neelima Dalvi  
Authorised Signatory

Issued by:

Shradha Kere  
Quality Manager

Page 1 of 2

## TEST REPORT

<b>Name of Organization</b> : M/s. Vascon Engineers Ltd					
<b>Address</b> : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002					
<b>Customer Reference</b> : PO NO :4210012427/1 Dated 02.11.2021					
<b>MoEFCC Validity</b> : 16 October, 2024					
<b>Discipline/ Group</b> : Chemical-Water			<b>Test Report No.</b> : NIL/W/10/22/264		
<b>Sample Type</b> : Drinking Water			<b>Sample Code</b> : NIL/W/10/22/264		
<b>Sampling Method</b> : IS 3025 (P-1)			<b>Ambient Temperature</b> : 25°C		
<b>Sampling Date</b> : 18.10.2022			<b>Sample Receive Date</b> : 18.10.2022		
<b>Analysis Start Date</b> : 19.10.2022			<b>Analysis End Date</b> : 27.10.2022		
<b>Reporting Date</b> : 27.10.2022			<b>Sample Qty &amp; Pkng.</b> : 2 lit Plastic Can & Micro Bottle		
<b>Sampling Location</b> : Labour Camp D/w			<b>Sampling Done By</b> : Netel (India) Limited		
Sr. No	Parameter	Result	Limit	Unit	Method
<b>Chemical Parameter</b>					
8	Residual Free Chlorine	<0.1	0.2	mg/lit	IS 3025 (Part 26)
<b>Bacteriological Parameter</b>					
9	Total Coliform	<1.8	0	MPN/100ml	IS 1622
10	E Coli	Absent	Absent	--	IS 1622

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Verified by:

Neelima Dalvi  
Authorised Signatory

Issued by:

Shradha Kere  
Quality Manager

Page 2 of 2

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 Vitthaladas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



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 Vitthaladas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



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





Catch pit chamber constructed as per guideline by MCGM







TEST REPORT

Name of Organization : M/s. Vysecon Engineers Ltd		Customer Reference :		
Customer Address : MARG, Kharodra, Mumbai		Customer Reference :		
MoECC Validity : 18 <sup>th</sup> Oct 2024	Sampling Done By : Nand India Limited			
Sample Type : Soil Sample	Sample Received : 28.08.2021			
Date of Sampling : 28.08.2021	Analysis Finish : 08.07.2021			
Reporting Date : 08.07.2021	Sample Qty & Pkg. : Plastic Bag (2 Kg)			
Reporting Location : Near Site Office	Sample Code : NIL/SO/09/21/025			
Sr. No	Test Parameter	Method	Unit	Result
1	pH	IS 2720 (Part 26)	-	5.60
2	Electrical Conductivity	IS 14157	microscm	4.98
3	Moisture Content	**Lab SOP No. NIL/SOP/06	%	46.10
4	Particle Size Distribution			
5	1. Sand	International Pipette Method	%	86.30
6	2. Silt	International Pipette Method	%	8.10
7	3. Clay	International Pipette Method	%	5.60
8	4. Organic	Lab SOP No. NIL/SOP/21	mg/kg	526.30
9	5. Alkalinity	ASTM D354	mg/kg	1.68
10	6. Specific Gravity	ASTM D1555	mg/kg	2.65
11	7. Silica	APHA 4500-C	mg/kg	84.6
12	8. Sulfate	**Lab SOP No. NIL/SOP/04	mg/kg	694.3
13	9. Chloride	**Lab SOP No. NIL/SOP/03	mg/kg	2315.2
14	10. Sodium	**Lab SOP No. NIL/SOP/10	mg/kg	2746.2
15	11. Potassium	**Lab SOP No. NIL/SOP/10	mg/kg	945.6
16	12. Calcium	**Lab SOP No. NIL/SOP/08	mg/kg	26315.0
17	13. Magnesium	**Lab SOP No. NIL/SOP/08	mg/kg	2650.0
18	14. Lead	**Lab SOP No. NIL/SOP/15	mg/kg	21.3
19	15. Cadmium	**Lab SOP No. NIL/SOP/15	mg/kg	11.6
20	16. Chromium	**Lab SOP No. NIL/SOP/15	mg/kg	54.4
21	17. Manganese	**Lab SOP No. NIL/SOP/15	mg/kg	637.2
22	18. Nickel	**Lab SOP No. NIL/SOP/15	mg/kg	13.8
23	19. Cobalt	**Lab SOP No. NIL/SOP/15	mg/kg	12.3
24	20. Zinc	**Lab SOP No. NIL/SOP/15	mg/kg	18.3
25	21. Iron	**Lab SOP No. NIL/SOP/15	mg/kg	7694.2
26	22. Copper	**Lab SOP No. NIL/SOP/15	mg/kg	233.3
27	23. Arsenium	**Lab EPA 3050-B	mg/kg	1234.0
28	24. Silver	**Lab SOP No. NIL/SOP/15	mg/kg	25.4
29	Oil & Grease	Soxhlet Extraction method	mg/kg	465.3

- Note:
1. MDL - Method Detectable Limit
  2. BCL - Below Detectable Limit
  3. \*\* Based on Manual of Soil testing in India, Ministry of Agriculture, GOI, 2011
  4. The Test Report shall not be reproduced except in full, without written approval of the Laboratory.
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Verified by:  
  
 Suresha Jandkar  
 Dy. Technical Manager

Issued by:  
  
 Shradha Kere  
 Technical Manager

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

A Netelwala Group Company  
 Office & Laboratory : W-408, Rabate MIDC, TTC Industrial Area, Navi Mumbai - 400 701, CIN : U74999MH2003PA-C142228  
 Phone : 72080976 92 / 94 / 94 7 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com  
 Registered office : Liberty Building, 3rd Floor, Sir Vitaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



Netel (India) Limited

TEST REPORT

Name of Organization	: M/s. Vascon Engineers Ltd
Customer Address	: MAFCC, Kalyanesh, Mumbai
Customer Reference	:
MOEFCC Validity	: 16 <sup>th</sup> Oct 2024
Sample Type	: Ground Water
Date of Sampling	: 29.06.2021
Analysis Start	: 01.07.2021
Reporting Date	: 06.07.2021
Sampling Location	: Site office
QC1 - MABL Validity	: 19 <sup>th</sup> March 2022
Sample Received	: 30.06.2021
Analysis Finish	: 06.07.2021
Sample Qty & Pkg.	: Can (2 lit)
Sample Code	: NIL/W06/21/228

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 4)	mg/l	<5
4	COD	APHA 5220 B, 23rd ED	mg/l	8
5	Chlorides	APHA 4500-C-8, 23rd ED	mg/l	14.3
6	Nitrate	IS 3025 (Part 3)	mg/l	<0.5
7	Sulphate	APHA 4500-SO4 (E), 23rd ED	mg/l	1.6
8	Calcium	APHA 3500-Ca-8, 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-S, 23rd ED	mg/l	0.8
13	Total Nitrogen	APHA 4500-N-C, 23rd ED	mg/l	1.3

Note :

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Verified by

*Amudr*  
Suryakya Jamdar  
Dy. Technical Manager

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

Issued by

*S. Kere*  
Shradha Kere  
Technical Manager

A Netewala Group Company

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.  
 Phone : 72030976 92 / 93 / 94 / 95 • Website : www.netel-india.com • Email : ems@netel-india.com

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

CIN : U74999MH2003PLC14228





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



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

Office of Executive Engineer,  
SWM 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 **1005437/2020/C/SPL** Dated **06 Aug 2020**.

To (Architect / L.S),  
Vilas Paraliahtrao Kharche  
401, Rushikesh Apartment, Off. Gokhale  
Road, Mulund (East), Mumbai-400081

CC (Owner),  
Mumbai Metro Rail Corporation Limited,  
Mumbai Metro Rail Corporation Limited,  
NAMTRI Building, Plot No. R-13, 'E'- Block,  
Bandra Kuria 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 did. 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 upto. 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 lanning 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
6. 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.
7. 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



- 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 Chalan 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

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

105

EX. ENG / SWM / 205 / 2-III

19/04/2024

Office of the Ex. Eng.(S.W.M.) 2-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, 35/3/B, 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 w/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, 35/3/B, 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. PATIL**  
**ADVOCATE & NOTARY G.R. MUMBAI**  
Parjat Manchhubbhai Road,  
Mr. Fakhruddin English High School,  
Malad (east), Mumbai - 400 097.

**SEEN ORIGINAL**  
**CERTIFIED TRUE COPY**



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

## जिल्हाधिकारी व जिल्हादंडाधिकारी कार्यालय, मुंबई शहर

ओल्ड कस्टम हाऊस, शहीन भगतीसिंग मार्ग, फोर्ट, मुंबई - ४०० ००१

Phn: २२६६२२३९ Tel: २२६६५५२३३, Email: collector\_mumbai@maharashtra.gov.in

(अपर जिल्हाधिकारी शाखा )

वाचले :- १. मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकॉन इंजिनिअर्स लि., वासकॉन वेंकॉफिल्ड चेंबर्स, पूणे

नागापूर 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-१०/२००९/प्र.क्र.३०९/ख. दि. ११/०२/२०१०

४. महाराष्ट्र शासन राजपत्र महसूल व वन विभाग, दि. ११ मे २०१५.

५. गिरिक्षेप भूमापक, मुंबई शहर यांचेकडील स्थळपाहणी अहवाल दि. २३/०७/२०२०

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

विषय : जमीन : मुंबई शहर

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

आदेश :-

मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकॉन इंजिनिअर्स लि यांनी उपाध्यायातील १ प्रमाणे या कार्यालयास दि.०८/१२/२०२१ रोजीचे अर्जाचे गिरांगव महसूल विभागातील भूकर क्र.६६२ व २/६६२ मुंबई या मिळकतीमधून एकूण ३०० ब्रास गौणखनिजे काढण्यास परवानगी मागितलेली आहे. अर्जादर यांनी सदर पत्रासोबत लागणारी कागदपत्रे जोडलेली आहे. तसेच त्यांनी रक्कम रु.१८०५००/- चा भरणा Online प्राप्त प्रणालीने GRN MH००९९४२९२२०२११२E अन्वये दि.१०/१२/२०२१ रोजीचे चालानद्वारे केलेला आहे. अर्जादर यांनी अर्ज शुल्क रु.५००/- चा भरणा स्वामित्वधनाचे शुल्कासोबत केलेला आहे. सवव गौण खनिज काढण्यास सादर केलेल्या कागदपत्रास अनुसरून मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकॉन इंजिनिअर्स लि यांनी वर नमूद जमिनीमधून खोदकाम करून एकूण ३०० ब्रास गौण खनिज (मुक्त, दगड व माती काढणेस) उत्खननास मो श्री. अरुण अंबंग, 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 शर्तीदर परवानगी देत आहे.

१. सररचे जमिनीचे खोदकाम करताना त्यातचे जमिनीवरील इमारतीला कोणताही धोका पोहोचणार नाही याची दक्षता घ्यावी. याबाबत अर्जादर यांनी या कार्यालयाकडे सादर केलेल्या वधपत्राचे पालन करावे.



२. खोदकाम केल्यानंतर उत्खननाचे निघालेली माती अपर इतर गोणखनिज कोणत्याही प्रकारचीय जमिनीवर टाकण्यात येऊ नये. उत्खनन केलेली माती ज्या जागेवर टाकणार आहेत, त्या जागेच्या मालकाची परवानगी घ्यावी. तसेच वृहन्मुंबई महानगरपालिका यांची परवानगी घ्यावी.
  ३. उत्खननाबाबत या आदेशापासून दोन महिन्यांची मुदत देण्यात येत आहे.
  ४. मुंबई केलेल्या गोणखनिजापेक्षा जास्त उत्खनन केल्याचे निदर्शनास आल्यास दंडनिय कारवाई करण्यात येईल.
  ५. मुदतीत उत्खनन झाल्याचा अहवाल अर्जातचने सादर करावा व त्याप्रमाणे या कार्यालयाचे प्रतिनिधिमार्फत प्रमाणित करावे.
  ६. उत्खनन करण्यास परवानगी दिलेली आहे त्याव्यतिरिक्त अन्य कोणत्याही जागेत 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 करणे, वाहतूक करणेस प्रणाली लावण्यात यावी
- प्रत :-
१. मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकोन इंजिनिअर्स लि., वासकोन वेकाफिल्ड चेंबरर्स, पूर्णे नागापूर रोड, पूर्णे, महाराष्ट्र ४११०१४
  २. मा. आयुक्त, वृहन्मुंबई महानगरपालिका, सिएसटी जवळ, मुंबई ४०० ००१ यांना माहितीसाठी सादर.
  ३. श्री. अमोल जाधव, परिरक्षण भ्रमापक, नागर भ्रमापन शाखा.
  ४. राष्ट्रीय विज्ञान सूचना केंद्र, जिल्हाधिकारी कार्यालय, मुंबई शहर यांना संकेतस्थळावर प्रसिध्द करणेकामी अर्थात.
- २/- अद्ययास यापूर्वी दिलेल्या सूचनेप्रमाणे आपले पथकामार्फत वरचेवर स्थळपाहणी करून परवानाधारक यांनी केलेल्या गोणखनिजांचे उत्खननाची मांड्याणे घेऊन जास्त उत्खनन केल्याचे निदर्शनास आल्यास दंडनिय कार्यावाही करण्यात यावी.



(अरुण अभंगा)  
 अपर जिल्हाधिकारी, मुंबई शहर  
 २१/१२/२१

# जिल्हाधिकारी व जिल्हादंडाधिकारी कार्यालय, मुंबई शहर

ऑलड कस्टम हाऊस, शाहीद भगतसिंग मार्ग, फोर्ट, मुंबई - ४०० ००१

Fax: २२६६१२३९ Tel: २२६६५२३३. Email: collector\_mumbai@maharashtra.gov.in  
(अपर जिल्हाधिकारी शाखा )

- वाचले :- १. मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकॉन इंजिनिअर्स लि., वासकॉन व्हेकॉफिल्ड चेंबर्स, पूर्णे नागापूर रोड, पूर्णे, महाराष्ट्र ४११०१४ यांचेकडील दि. २६/०४/२०२२ व दि. ३०/०५/२०२२ चा अर्ज.
२. महाराष्ट्र गौण खनिज उत्खननाविकास व विनियमन) नियम २०१३ मधील नियम ५९
  ३. महसूल व वन विभाग, शासन निर्णय क्र. गौखनि-१०/१००९/प्र.क्र.३०९/ख, दि. १४/०२/२०१०
  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.६२७/गिरगाव / मुंबई / गौ.ख.प./२०२२ | 1155  
दिनांक :- २९/०६/२०२२ 01 JUN 2022

विषय : जमीन : मुंबई शहर

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

आदेश :-

मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकॉन इंजिनिअर्स लि यांनी उपाध्यातातील १ प्रमाणे या कार्यालयास दि. २६/०४/२०२२ व दि. ३०/०५/२०२२ चे अर्जाने गिरगाव महसूल विभागातील भूकर क्र. ६६२ व २/६६२ मुंबई या मिळकतीमधून एकूण ६०० ब्रास गौणखनिजे काढण्यास परवानगी मागितलेली आहे. अर्जदार यांनी सार पत्रासोबत लागणारी कागदपत्रे जोडलेली आहे. तसेच त्यांनी रक्कम रु. ३६३२०००/- चा भरणा Online पास प्रणालीने GRN MH००२५०२११२२०२२३E अन्वये दि. २७/०५/२०२२ रोजीचे चलानद्वारे केलेला आहे. अर्जदार यांनी अर्ज शुल्क रु. ५,००/- चा भरणा र्यामीत्वधनाचे शुल्कासोबत केलेला आहे. सबब गौण खनिज काढण्यास सार केलेल्या कागदपत्रास अनुसरून मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकॉन इंजिनिअर्स लि यांनी वर नमूद जमिनीमधून खोदकाम करून एकूण ६०० ब्रास गौण खनिज (पुरुष, दगड व माती काढणेस) उत्खननास मी श्रीमती अर्जिता मेश्राम (वानखेडे), अपर जिल्हाधिकारी, महाराष्ट्र गौण खनिज उत्खननाविकास 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. सारचे जमिनीचे खोदकाम करतांना लागते जमिनीवरील इमारतीला कोणताही धाका पोहोचणार नाही याची दक्षता घ्यावी. याबाबत अर्जदार यांनी या कार्यालयाकडे सार केलेल्या बंधपत्राचे पालन करावे.
२. खोदकाम केल्यानंतर उत्खननाने निघालेली माती अगर इतर गौणखनिज कोणत्याही शासकीय जमिनीवर

- टाकण्यात येवू नये. उत्खनन केलेली माती ज्या जागेवर टाकणार आहेत, त्या जागेच्या मालकाची परवानगी घ्यावी. तसेच बृहन्मुंबई महानगरपालिका यांची परवानगी घ्यावी.
३. उत्खननाबाबत या आदेशापासून सहा महिन्याची मुदत देण्यात येत आहे.
  ४. मंजूर केलेल्या गौणखनिजापेक्षा जास्त उत्खनन केल्याचे निदर्शनास आल्यास दंडनिय कारवाई करण्यात येईल.
  ५. मुदतीत उत्खनन झाल्याचा अहवाल अर्जदाराने सादर करावा व त्याप्रमाणे या कार्यालयाचे प्रतिनिधिमार्फत 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. उत्खननाच्या मातीची वाहतूक बसणाऱ्या वाहनावर जीपीएस प्रणाली लावण्यात यावी.



*Ameetha*  
(अनिता मेश्राम (वानखेडे))  
अपर जिल्हाधिकारी, मुंबई शहर

प्रत :-

१. मुंबई मेट्रो रेल कॉर्पोरेशन लि. वॉशिंग्टन रोड, वासकॉन इंजिनिअर्स लि., वासकॉन वेकफिल्ड चॅंबर्स, पूणे  
नागापूर रोड, पूणे, महाराष्ट्र ४११०१४
२. मा. आयुक्त, बृहन्मुंबई 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 अशोधित.

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



# जिल्हाधिकारी व जिल्हादंडाधिकारी कार्यालय, मुंबई शहर

ऑफिस बसस्टम हाऊस, शाहीर भारतीयान मार्ग, फोर्ट, मुंबई - ४०० ००१

Fax: २२६६१२३९ Tel: २२६६५२३३, Email: collector\_jmahabhatikar@maharashtra.gov.in

(अपर जिल्हाधिकारी शाखा )

वाचते :- १. मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकोन हीजेनिअर्स लि., वासकोन चेकफिल्ड चॅम्बर्स, पूर्ण

नागापूर रोड, पूर्ण, महाराष्ट्र ४११०१४ चॅम्बेकडील दि. २५/०८/२०२२ चा अर्द

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/प्र. दि. १४/०२/२०१०

४. महाराष्ट्र शासन राजपत्र महसूल व वन विभाग, दि. ११ मे २०१५,

५. गिरधराण घुमावक, मुंबई शहर चॅम्बेकडील स्वच्छाकरण अहवाल दि. २३/०७/२०२०

क्र. सौएसएलआर/मश्रा-२/प्र.क्र.७०३/गिरगंध / मुंबई / गौखप/२०२२ | 219-

दिनांक :- १५/०९/२०२२

15 SEP 2022

विषय : जर्मन : मुंबई शहर

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

आदेश :-

मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकोन हीजेनिअर्स लि यांनी उद्देघ्यातातील १ प्रमाणे या कार्यालयास दि. २५/०८/२०२२ चे अर्दने गिरगंध महसूल विभागातील भूकर क्र. ६६२ व २/६६२ मुंबई या मिळकतीमधून एकूण १२०० ब्रास गौणखनिज काढण्यास परवानगी मागितलेली आहे. अर्ददार यांनी सधर पत्रासोबत त्याणारी कारापरचे नोडर्नली आहे. तसेच त्यांनी रकमस रु. ७२२०००/- चा भरणा Online प्राप्त प्रणालीने GRN MH००७४४७८१५२०२२२३E अन्वये दि. ०७/०९/२०२२ रोजीचे चलानद्वारे केलेला आहे. अर्ददार यांनी अर्द शुल्क रु. ५००/- चा भरणा स्वामीत्वधनचे शुल्कासोबत केलेला आहे. सवव गौण खनिज काढण्यास साधर केलेल्या कारापरभास अनुसक्तन मुंबई मेट्रो रेल कॉर्पोरेशन लि., यांच्यातर्फे वासकोन हीजेनिअर्स लि यांनी वर नमूद जर्मनीमधून खोदकाम करून एकूण १२०० ब्रास गौण खनिज (मुरुम, दगड व माती काढणेस) उत्खननास मी श्री रामदास खेडकर, 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. या कार्यालयाभाकर देणेन आर्नेली परवानगी केवळ उत्खननासाठी देणेत आर्नेली आहे.

२. या जगोसोठीव्हा भाडेपट्टा कारारातील अटी व शर्तीचे पालन करणेची जबाबदारी आपली राहिल.

३. या जगो करणेन येणः या कामासाठी भाडेपट्टा कारारातील अटी व शर्तीनुसार आवश्यक त्या सुविधा व विभागाची परवानगी घेणेचे जबाबदारी आपली राहिल.

४. खोदकाम केलेप्यानंतर उत्खननाचे निघालेली माती अपार द्दार गौणखनिज कोणत्याही शासकीय धामिनीवर

- टाकाप्यात येवू नये. उत्खनन केलेली माती ज्या जागेवर टाकाणार आहेत, त्या जागेच्या मालकाची परवानगी घ्यावी. तसेच बृहन्मुंबई महानगरपालिका याची परवानगी घ्यावी.
५. उत्खननाबाबत या आदेशापासून सहा महिन्यांची मुदत देण्यात येत आहे.
  ६. मंजूर केलेल्या गाणखनिजापेक्षा जास्त उत्खनन केल्याचे निदर्शनास आल्यास दंडनिय कारवाई करण्यात येईल.
  ७. मुरतीत उत्खनन झाल्याचा अहवाल अर्जदाराने सादर करावा व त्याप्रमाणे या कार्यालयाचे प्रतिनिधिमार्फत प्रमाणित करावे.

८. उत्खनन करणाऱ्यास परवानगी दिलेली आहे त्याव्यतिरिक्त अन्य कोणत्याही जागेतून उत्खनन करू नये. तसे आढळल्यास दंडनिय कारवाई करण्यात येईल.
९. कांदळवनावर भराव केला जाणार नाही याची दक्षता घ्यावी.
१०. सरराचे जमीनीचे खोदकाम करताना लगातचे जमीनीवरील इमारतीला कोणताही धोका पोहोचणार नाही याची दक्षता घ्यावी याबाबत अर्जदार यांनी या कार्यालयाकडे सादर केलेल्या बंधपत्राचे पालन करावे.
११. उत्खननाच्या मातीची वाहतूक करणाऱ्या वा ट्रॅक्टर जीपीएस प्रणाली लावण्यात यावी.

प्रत :-

१. मुंबई मेट्रो रेल कॉर्पोरेशन लि, याच्यातर्फे वास्तुकाराने जे.जे.एन.एस. लि, वासकॉन वेकीफ्लड चॅंबर्स, पूणे नागापूर रोड, पूणे, महाराष्ट्र येथे आहे
२. मा. आयुक्त, बृहन्मुंबई महानगरपालिका, साईस्टी 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 अर्प्रोषित.



(रामदास पांडेकर)  
अपर जिल्हाधिकारी, मुंबई शहर

२/- आपणास यापूर्वी दिलेल्या सुचनेप्रमाणे आपले पथकामार्फत वरचेवर स्थळमाहणी करून परवानगाधारक यांनी केलेल्या गाणखनिजांचे उत्खननाची मोजमाणे घेऊन जास्त उत्खनन केल्याचे निदर्शनास आल्यास दंडनिय कार्यावही वरण्यात यावी.



Royalty challan for excavated mud transportation


**जिल्हाधिकारी कार्यालय**  
 (खनिज मंत्रालय)  
 गौमा खनिज वाहतूक परवाना

परवाना क्रमांक नं. 2648      **ROYALTY/TP**      अनुक्रमांक : 132253  
 80000920173022      eTP No.

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

1	क्रिया आणि वाहतूक	
2	गौमा खनिज उत्खनन स्थळ (परवाना क्रमांक, प.स. / प.स. / वेळ)	<b>VASCON ENGINEERS LIMITED</b> Office at Vascon Weirfield Chambers, Opp. Hyatt Hotel, Pune Nagar Road, Pune-411014CS - 662 & 1/667, Girgaon/CSL/MASSHA-2/PRAKHA,703/GIRGAON/ MEMER/GAUKHA,PA,0622/217 Period : 15/09/2022 to 15/09/2023, Brass - 1200.
3	गौमा खनिज उत्खनन परवाना धारकाचे नाव	
4	गौमा खनिज उत्खनन परवाना क्रमांक	
5	गौमा खनिज उत्खनन परवाना वेळ	
6	गौमा खनिज उत्खनन परवाना ठिकाण	
7	खनिजाचे नाव व परिमाण (QUANTITY)	• Arnav Enterprises Bikunde Bhiwandi Thane MH32 D 3632 Soil      परिमाण : 4 (Four) ग्राम
8	वाहतूक परवाना (एम) नं. व वेळ	R-10/10/22      वेळ (AM)      वाहतूक      निमित्त
9	वाहतूक परवाना (एम) नं. व वेळ	R-11/10/22      वेळ (AM)      वाहतूक      निमित्त
10	वाहन पंजीयनाचे नाव व प्रपत्रावली	Jeetu / 9631802513

वाहन धारकाची स्वाक्षरी  
 गौमा खनिज उत्खनन परवाना धारकाची स्वाक्षरी  
 सशम अधिकारी महो व ठिकाण  
 For Additional Collector, Mumbai city  
 सशम अधिकारी महो व ठिकाण

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2 BRASS-2


**जिल्हाधिकारी कार्यालय**  
 (खनिज मंत्रालय)  
 गौमा खनिज वाहतूक परवाना

परवाना क्रमांक नं. 2204      **ROYALTY/TP**      अनुक्रमांक : 110151  
 8000019265649      eTP No.

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

1	क्रिया आणि वाहतूक	
2	गौमा खनिज उत्खनन स्थळ (परवाना क्रमांक, प.स. / प.स. / वेळ)	<b>VASCON ENGINEERS LIMITED</b> Office at Vascon Weirfield Chambers, Opp. Hyatt Hotel, Pune Nagar Road, Pune-411014CS - 662 & 1/667, Girgaon/CSL/MASSHA-2/PRAKHA,703/GIRGAON/ MEMER/GAUKHA,PA,0622/217 Period : 15/09/2022 to 15/09/2023, Brass - 1200.
3	गौमा खनिज उत्खनन परवाना धारकाचे नाव	
4	गौमा खनिज उत्खनन परवाना क्रमांक	
5	गौमा खनिज उत्खनन परवाना वेळ	
6	गौमा खनिज उत्खनन परवाना ठिकाण	
7	खनिजाचे नाव व परिमाण (QUANTITY)	• Arnav Enterprises Bikunde Bhiwandi Thane MH 46 BU 9007 Soil      परिमाण : 2 (Two) ग्राम
8	वाहतूक परवाना (एम) नं. व वेळ	R-11 / 10/22      वेळ (AM)      5      वाहतूक      20      निमित्त
9	वाहतूक परवाना (एम) नं. व वेळ	R-11 / 10/22      वेळ (AM)      8      वाहतूक      20      निमित्त
10	वाहन पंजीयनाचे नाव व प्रपत्रावली	Raju / 81088445912

वाहन धारकाची स्वाक्षरी  
 गौमा खनिज उत्खनन परवाना धारकाची स्वाक्षरी  
 सशम अधिकारी महो व ठिकाण  
 For Additional Collector, Mumbai city  
 सशम अधिकारी महो व ठिकाण

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**POLLUTION UNDER CONTROL CERTIFICATE**

Form 59

[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :  
Government of Maharashtra

Date : 20/10/2021  
Time : 13:49:22 PM  
Validity upto : 19/10/2022



Certificate S.L. No. : MH00200910002345  
Registration No. : MH03CP8130  
Date of Registration : 19/Nov/2018  
Month & Year of Manufacturing : September-2018  
Valid Mobile Number : \*\*\*\*7878  
Emission Norms : BHARAT STAGE IV  
Fuel : DIESEL  
CG Code : MH0020091  
GSTIN :  
Fees : Rs.110.0(GST as applicable)  
Mill observation No :

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	Carbon Monoxide (CO)	percentage (%)	4	5
2	Hydrocarbon, (THC/HC)	ppm	2500 ± 200	
	CO	percentage (%)	1 ± 0.03	
	RPM	RPM		
	High idling emissions	Lambda	1.62	1.34
	Smoke Density	Light absorption coefficient	1/metre	

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator (Optional for State) 60mm x 20 mm





TC 6709

**TEST REPORT**

<b>Name of Organization</b>	: Ms. Vascon Engineers Ltd.	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadewi and Girgaon, (Building K3) - 400 002	<b>Test Report No.</b>	: NIL/AA/12/22/109
<b>Customer Ref.</b>	: PO NO :4210012427/1 Dated 02.11.2021	<b>Sample Code</b>	: NIL/AA/12/22/109
<b>MoEFCC Validity</b>	: 16th Oct 2024	<b>Ambient Temperature</b>	: 25°C
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Sample Receive Date</b>	: 17.12.2022
<b>Sample Type</b>	: Ambient Air	<b>Analysis End Date</b>	: 23.12.2022
<b>Sampling Method</b>	: Nil/AIR/SOP-12/13/14	<b>Sample Qty &amp; Pckg</b>	: FP (2 nos), CT, Bid & 50ml PB (4 nos)
<b>Sampling Date</b>	: 15.12.2022	<b>Sampling Location</b>	: Near Site Office
<b>Analysis Start Date</b>	: 19.12.2022		
<b>Reporting Date</b>	: 23.12.2022		

Sr. No	Parameter	Result	PCPB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	62.1	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	23.6	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on PCPB Guideline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	17.1	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	26.2	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.38	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	2.7	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	14.2	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	2.9	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.5	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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Quality Manager

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A Netelwala 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> : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kabbadevi and Girgaon, (Building K3) - 400 002	
<b>Customer Ref.</b> : PO NO :4210012697/0	
<b>MoEFCC Validity</b> : 16th Oct 2024	
<b>Discipline/Group</b> : Chemical-Atmospheric Pollution	<b>Test Report No.</b> : NIL/AA/12/22/109
<b>Sample Type</b> : Ambient Air	<b>Sample Code</b> : NIL/AA/12/22/109
<b>Sampling Method</b> : Nil/LAIR/SOP-12/13/14	<b>Ambient Temperature</b> : 25°C
<b>Sampling Date</b> : 15.12.2022	<b>Sample Receive Date</b> : 17.12.2022
<b>Analysis Start Date</b> : 19.12.2022	<b>Analysis End Date</b> : 23.12.2022
<b>Reporting Date</b> : 23.12.2022	<b>Sample Qty &amp;Pckg</b> : FP (2 nos), CT, Bid & 50ml PB (4 nos)
<b>Sampling Location</b> : Near Site Office	<b>Sampling Done By</b> : Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
12	Hydrocarbon (HC)	0.52	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

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TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b> : Ms. Vascon Engineers Ltd.						
<b>Customer Address</b> : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002						
<b>Customer Ref.</b> : PO NO :4210012427/1 Dated 02.11.2021						
<b>MoEFCC Validity</b> : 16th Oct 2024	<b>QCI - NABL Validity</b> : 16th June 2024					
<b>Discipline/Group</b> : Chemical-Atmospheric Pollution	<b>Test Report No.</b> : NIL/AA/12/22/027					
<b>Sample Type</b> : Ambient Air	<b>Sample Code</b> : NIL/AA/12/22/027					
<b>Sampling Method</b> : Nil/AIR/SOP-12/13/14	<b>Ambient Temperature</b> : 24°C					
<b>Sampling Date</b> : 03.12.2022	<b>Sample Receive Date</b> : 05.12.2022					
<b>Analysis Start Date</b> : 06.12.2022	<b>Analysis End Date</b> : 12.12.2022					
<b>Reporting Date</b> : 12.12.2022	<b>Sample Qty &amp;Pckg</b> : FP (2 nos), CT, Bid & 50ml PB (4 nos)					
<b>Sampling Location</b> : Near Site Office	<b>Sampling Done By</b> : Netel (India) Limited					
Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	61.4	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	24.1	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guidline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	16.3	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	28.5	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.32	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	2.6	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	16.1	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	4.2	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.4	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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A Netelwala Group Company

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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.







## TEST REPORT

<b>Name of Organization</b> : Ms.Vascon Engineers Ltd.						
<b>Customer Address</b> : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002						
<b>Customer Ref.</b> : PO NO :4210012697/0						
<b>MoEFCC Validity</b> : 16th Oct 2024						
<b>Discipline/Group</b> : Chemical-Atmospheric Pollution	<b>Test Report No.</b> : NIL/AA/12/22/027					
<b>Sample Type</b> : Ambient Air	<b>Sample Code</b> : NIL/AA/12/22/027					
<b>Sampling Method</b> : N(I)/LAIR/SOP-12/13/14	<b>Ambient Temperature</b> : 24°C					
<b>Sampling Date</b> : 03.12.2022	<b>Sample Receive Date</b> : 05.12.2022					
<b>Analysis Start Date</b> : 06.12.2022	<b>Analysis End Date</b> : 12.12.2022					
<b>Reporting Date</b> : 12.12.2022	<b>Sample Qty &amp;Pckg</b> : FP (2 nos), CT, Bld & 50ml PB (4 nos)					
<b>Sampling Location</b> : Near Site Office	<b>Sampling Done By</b> : Netel (India) Limited					
Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
12	Hydrocarbon (HC)	0.42	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

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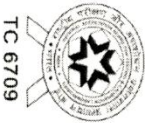
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Quality Manager





TC 6709

**TEST REPORT**

<b>Name of Organization</b>	: M/s.Vascon Engineers Ltd.		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO :4210012427/1 Dated 02.11.2021		
<b>MoEFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/AA/11/22/086
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/AA/11/22/086
<b>Sampling Method</b>	: N(I)/AIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 25°C
<b>Sampling Date</b>	: 16.11.2022	<b>Sample Receive Date</b>	: 17.11.2022
<b>Analysis Start Date</b>	: 18.11.2022	<b>Analysis End Date</b>	: 25.11.2022
<b>Reporting Date</b>	: 25.11.2022	<b>Sample Qty &amp;Pckg</b>	: FP (2 nos), CT, Bid & 50ml PB (4 nos)
<b>Sampling Location</b>	: North - West Corner	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	63.5	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	22.5	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guidline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	15.6	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	27.1	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.32	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	2.8	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	15.6	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	3.9	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.8	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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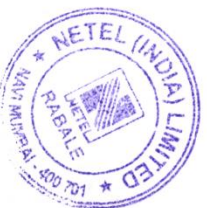
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## TEST REPORT

<b>Name of Organization</b> : Ms.Vascon Engineers Ltd.						
<b>Customer Address</b> :	CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002					
<b>Customer Ref.</b> :	PO NO :4210012697/0					
<b>MoEFCC Validity</b> :	16th Oct 2024					
<b>Discipline/Group</b> :	Chemical-Atmospheric Pollution					
<b>Sample Type</b> :	Ambient Air					
<b>Sampling Method</b> :	N(I)/L/AIR/SOP-12/13/14					
<b>Sampling Date</b> :	16.11.2022					
<b>Analysis Start Date</b> :	18.11.2022					
<b>Reporting Date</b> :	25.11.2022					
<b>Sampling Location</b> :	North - West Corner					
<b>Sr. No</b>	<b>Parameter</b>	<b>Result</b>	<b>CPCB Limit</b>	<b>Unit</b>	<b>Duration</b>	<b>Method</b>
12	Hydrocarbon (HC)	0.59	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)
<b>Sampling Location</b> :		<b>Sampling Done By</b> :		Netel (India) Limited		

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TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b>	: M/s. Vascon Engineers Ltd.		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO :42100124271 Dated 02.11.2021		
<b>MoEFFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/AA/11/22/031
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/AA/11/22/031
<b>Sampling Method</b>	: NI(I)/AIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 24°C
<b>Sampling Date</b>	: 04.11.2022	<b>Sample Receive Date</b>	: 05.11.2022
<b>Analysis Start Date</b>	: 07.11.2022	<b>Analysis End Date</b>	: 15.11.2022
<b>Reporting Date</b>	: 15.11.2022	<b>Sample Qty &amp;Pckg</b>	: FP (2 nos), CT, Bid & 50ml PB (4 nos)
<b>Sampling Location</b>	: North - West Corner	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	62.9	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	23.1	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guidline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	15.2	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	29.4	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.36	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	3.1	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	15.9	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Methnod 401
8	Ozone (O <sub>3</sub> )	3.1	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.5	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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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> : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002						
<b>Customer Ref.</b> : PO NO :4210012697/0						
<b>MOEFCC Validity</b> : 16th Oct 2024						
<b>Discipline/Group</b> : Chemical-Atmospheric Pollution	<b>Test Report No.</b> : NIL/AA/11/22/031					
<b>Sample Type</b> : Ambient Air	<b>Sample Code</b> : NIL/AA/11/22/031					
<b>Sampling Method</b> : N(D)/AIR/SOP-12/13/14	<b>Ambient Temperature</b> : 24°C					
<b>Sampling Date</b> : 04.11.2022	<b>Sample Receive Date</b> : 05.11.2022					
<b>Analysis Start Date</b> : 07.11.2022	<b>Analysis End Date</b> : 15.11.2022					
<b>Reporting Date</b> : 15.11.2022	<b>Sample Qty &amp;Pckg</b> : FP (2 nos), CT, Bld & 50ml PB (4 nos)					
<b>Sampling Location</b> : North - West Corner	<b>Sampling Done By</b> : Netel (India) Limited					
Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
12	Hydrocarbon (HC)	0.65	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

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TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b>	: Ms. Vascon Engineers Ltd		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO :4210012427/1 Dated 02.11.2021		
<b>MoEFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/AA/10/22/166
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/AA/10/22/166
<b>Sampling Method</b>	: Nil/LAIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 25°C
<b>Sampling Date</b>	: 27.10.2022	<b>Sample Receive Date</b>	: 28.10.2022
<b>Analysis Start Date</b>	: 29.10.2022	<b>Analysis End Date</b>	: 04.11.2022
<b>Reporting Date</b>	: 04.11.2022	<b>Sample Qty &amp; Pckg</b>	: FP (2 nos), CT, Bld & 50ml PB (4 nos)
<b>Sampling Location</b>	: Near Site Office	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	62.8	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	19.4	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guideline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	14.2	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	26.4	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.42	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	2.9	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	17.1	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	3.1	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.5	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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Issued by

Shraddha Kere  
Quality Manager

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A Netelwala Group Company

Office &amp; 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.

CIN : U74999MH2003PLC142228



## TEST REPORT

<b>Name of Organization</b> : M/s. Vascon Engineers Ltd						
<b>Customer Address</b> : CS. No. 662 and 1/662 of Bhuleshwar dicsion for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002						
<b>Customer Ref.</b> : PO NO.4210012697/0						
<b>MoEFCC Validity</b> : 16th Oct 2024						
<b>Discipline/Group</b> : Chemical-Atmospheric Pollution	<b>Test Report No.</b> : NIL/AA/10/22/166					
<b>Sample Type</b> : Ambient Air	<b>Sample Code</b> : NIL/AA/10/22/166					
<b>Sampling Method</b> : N(I)/AIR/SOP-12/13/14	<b>Ambient Temperature</b> : 25°C					
<b>Sampling Date</b> : 27.10.2022	<b>Sample Receive Date</b> : 28.10.2022					
<b>Analysis Start Date</b> : 29.10.2022	<b>Analysis End Date</b> : 04.11.2022					
<b>Reporting Date</b> : 04.11.2022	<b>Sample Qty &amp;Pckg</b> : FP (2 nos), CT, Bld & 50ml PB (4 nos)					
<b>Sampling Location</b> : Near Site Office	<b>Sampling Done By</b> : Netel (India) Limited					
Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
12	Hydrocarbon (HC)	0.59	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

**Note :**

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

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

Verified by

*Neelima Dalvi*

Neelima Dalvi  
Authorised Signatory

Issued by

*Shraddha Kere*

Shraddha Kere  
Quality Manager







TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b>	: Ms. Vascon Engineers Ltd		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO :4210012427/1 Dated 02.11.2021		
<b>MoEFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/AA/10/22/090
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/AA/10/22/090
<b>Sampling Method</b>	: N(I)/L/AIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 25°C
<b>Sampling Date</b>	: 14.10.2022	<b>Sample Receive Date</b>	: 15.10.2022
<b>Analysis Start Date</b>	: 17.10.2022	<b>Analysis End Date</b>	: 21.10.2022
<b>Reporting Date</b>	: 21.10.2022	<b>Sample Qty &amp; Pckg</b>	: FP (2 nos), CT, Bld & 50ml PB (4 nos)
<b>Sampling Location</b>	: Near Site Office	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	61.8	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	20.6	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guideline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	13.4	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	28.6	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.32	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	2.1	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	16.5	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	2.9	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.3	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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Neelima Dalvi  
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Shraddha Kere  
Quality Manager



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CIN : U74999MH2003PLC142228

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

Phone : 72080976 / 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com

## TEST REPORT

<b>Name of Organization</b> : M/s. Vascon Engineers Ltd						
<b>Customer Address</b> : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002						
<b>Customer Ref.</b> : PO NO.:4210012697/0						
<b>MoEFCC Validity</b> : 16th Oct 2024						
<b>Discipline/Group</b> : Chemical-Atmospheric Pollution	<b>Test Report No.</b> : NIL/AA/10/22/090					
<b>Sample Type</b> : Ambient Air	<b>Sample Code</b> : NIL/AA/10/22/090					
<b>Sampling Method</b> : N(I)/AIR/SOP-12/13/14	<b>Ambient Temperature</b> : 25°C					
<b>Sampling Date</b> : 14.10.2022	<b>Sample Receive Date</b> : 15.10.2022					
<b>Analysis Start Date</b> : 17.10.2022	<b>Analysis End Date</b> : 21.10.2022					
<b>Reporting Date</b> : 21.10.2022	<b>Sample Qty &amp; Pckg</b> : FP (2 nos), CT, Bld & 50ml PB (4 nos)					
<b>Sampling Location</b> : Near Site Office	<b>Sampling Done By</b> : Netel (India) Limited					
Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
12	Hydrocarbon (HC)	0.65	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ngl/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

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Neelima Dalvi  
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*Shraddha Kere*  
Shraddha Kere  
Quality Manager



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TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b>	: M/s Vascon Engineers Ltd.		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO :4210012427/1 Dated 02.11.2021		
<b>MoEFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/OT/09/22/204
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/OT/09/22/204
<b>Sampling Method</b>	: N(I)/AIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 24°C
<b>Sampling Date</b>	: 29.09.2022	<b>Sample Receive Date</b>	: 30.09.2022
<b>Analysis Start Date</b>	: 01.10.2022	<b>Analysis End Date</b>	: 07.10.2022
<b>Reporting Date</b>	: 07.10.2022	<b>Sample Qty &amp;Pckg</b>	: FP (2 nos), CT, Bid & 50ml PB (4 nos)
<b>Sampling Location</b>	: North - West Corner of Phase-1	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	57.6	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	15.4	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guidline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	11.8	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	23.4	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.24	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	1.8	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	13.9	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	2.8	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.3	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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Verified by

Surekha Jamdar  
Technical Manager

Issued by

Shraddha Kere  
Quality Manager

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A Neterwala Group Company

CIN : U74999MH2003PLC142228

Office &amp; 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.





## TEST REPORT

<b>Name of Organization</b> : M/s.Vascon Engineers Ltd.						
<b>Customer Address</b> : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002						
<b>Customer Ref.</b> : PO NO :4210012697/0						
<b>MoEFCO Validity</b> : 16th Oct 2024						
<b>Discipline/Group</b> : Chemical-Atmospheric Pollution	<b>Test Report No.</b> : NIL/OT/09/22/204					
<b>Sample Type</b> : Ambient Air	<b>Sample Code</b> : NIL/OT/09/22/204					
<b>Sampling Method</b> : N(I)/LAIR/SOP-12/13/14	<b>Ambient Temperature</b> : 24°C					
<b>Sampling Date</b> : 29.09.2022	<b>Sample Receive Date</b> : 30.09.2022					
<b>Analysis Start Date</b> : 01.10.2022	<b>Analysis End Date</b> : 07.10.2022					
<b>Reporting Date</b> : 07.10.2022	<b>Sample Qty &amp;Pckg</b> : FP (2 nos), CT, Bid & 50ml PB (4 nos)					
<b>Sampling Location</b> : North - West Corner of Phase-1						
<b>Sampling Done By</b> : Netel (India) Limited						
<b>Sr. No</b>	<b>Parameter</b>	<b>Result</b>	<b>CPCB Limit</b>	<b>Unit</b>	<b>Duration</b>	<b>Method</b>
12	Hydrocarbon (HC)	0.47	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

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Surekha Jamdar  
Technical Manager

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Shraddha Kere  
Quality Manager



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TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b>	: Ms. Vascon Engineers Ltd.		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO :4210012427/1 Dated 02.11.2021		
<b>MoEFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/OT/09/22/203
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/OT/09/22/203
<b>Sampling Method</b>	: N(I)/AIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 24°C
<b>Sampling Date</b>	: 13.09.2022	<b>Sample Receive Date</b>	: 14.09.2022
<b>Analysis Start Date</b>	: 15.09.2022	<b>Analysis End Date</b>	: 21.09.2022
<b>Reporting Date</b>	: 21.09.2022	<b>Sample Qty &amp;Pckg</b>	: FP (2 nos), CT, Bid & 50ml PB (4 nos)
<b>Sampling Location</b>	: North - West Corner of Phase-1	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	58.7	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	16.4	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guidline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	12.5	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	22.9	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.26	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	2.1	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	12.5	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	2.7	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.4	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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Verified by

*Surekha Jamdar*  
Surekha Jamdar  
Technical Manager

Issued by

*Shradha Kere*  
Shradha Kere  
Quality Manager

Page 1 of 2



A Netelwala Group Company

CIN : U74999MH2003PLC142228

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## TEST REPORT

<b>Name of Organization</b> : M/s Vascon Engineers Ltd.						
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Gigaon, (Building K3) - 400 002					
<b>Customer Ref.</b>	: PO NO :421001269710					
<b>MoEFCC Validity</b>	: 16th Oct 2024					
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution					
<b>Sample Type</b>	: Ambient Air					
<b>Sampling Method</b>	: N(I)/LA/R/SOP-12/13/14					
<b>Sampling Date</b>	: 13.09.2022					
<b>Analysis Start Date</b>	: 15.09.2022					
<b>Reporting Date</b>	: 21.09.2022					
<b>Sampling Location</b>	: North - West Corner of Phase-1					
<b>Sr. No</b>	<b>Parameter</b>	<b>Result</b>	<b>CPCB Limit</b>	<b>Unit</b>	<b>Duration</b>	<b>Method</b>
12	Hydrocarbon (HC)	0.51	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)
<b>Test Report No.</b>		<b>Sample Code</b>		<b>Ambient Temperature</b>		<b>Sample Receive Date</b>
: NIL/OT/09/22/203		: NIL/OT/09/22/203		: 24°C		: 14.09.2022
<b>Analysis End Date</b>		<b>Sample Qty &amp; Pckg</b>		<b>Sampling Done By</b>		
: 21.09.2022		: FP (2 nos), CT, Bid & 50ml PB (4 nos)		: Netel (India) Limited		

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

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*Handwritten Signature*  
Surekha Jamdar  
Technical Manager

Issued by

*Handwritten Signature*  
Shradha Kere  
Quality Manager



Page 2 of 2





TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b>	: M/s. Vascon Engineers Ltd.		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO :4210012427/1 Dated 02.11.2021		
<b>MoEFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/OT /08/22/180
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/OT /08/22/180
<b>Sampling Method</b>	: Nil/LAIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 26°C
<b>Sampling Date</b>	: 29.08.2022	<b>Sample Receive Date</b>	: 31.08.2022
<b>Analysis Start Date</b>	: 01.09.2022	<b>Analysis End Date</b>	: 06.09.2022
<b>Reporting Date</b>	: 06.09.2022	<b>Sample Qty &amp;Pckg</b>	: FP (2 nos), CT, Bld & 50ml PB (4 nos)
<b>Sampling Location</b>	: North - West Corner of Phase-1	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	57.1	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	16.9	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guidline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	12.5	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	24.1	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.26	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	1.9	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	14.5	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	2.7	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BAP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.2	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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Verified by

*Amrta*  
Surekha Jamdar  
Technical Manager

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*Shradha*  
Shradha Kere  
Quality Manager

Page 1 of 2



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

CIN : U74999MH2003PLC142228



## TEST REPORT

<b>Name of Organization</b> : M/s Vascon Engineers Ltd.						
<b>Customer Address</b> : CS. No. 662 and 1/662 of Bruleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002						
<b>Customer Ref.</b> : PO NO :4210012697/0						
<b>MoEFCC Validity</b> : 16th Oct 2024						
<b>Discipline/Group</b> : Chemical-Atmospheric Pollution	<b>Test Report No.</b> : NIL/OT /08/22/180					
<b>Sample Type</b> : Ambient Air	<b>Sample Code</b> : NIL/OT /08/22/180					
<b>Sampling Method</b> : N(I)/LAIR/SOP-12/13/14	<b>Ambient Temperature</b> : 26°C					
<b>Sampling Date</b> : 29.08.2022	<b>Sample Receive Date</b> : 31.08.2022					
<b>Analysis Start Date</b> : 01.09.2022	<b>Analysis End Date</b> : 06.09.2022					
<b>Reporting Date</b> : 06.09.2022	<b>Sample Qty &amp;Pckg</b> : FP (2 nos), CT, Bld & 50ml PB (4 nos)					
<b>Sampling Location</b> : North - West Corner of Phase-1	<b>Sampling Done By</b> : Netel (India) Limited					
Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
12	Hydrocarbon (HC)	0.49	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

**Note :**

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

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

Verified by

*Handwritten signature*

Surekha Jamdar  
Technical Manager

Issued by

*Handwritten signature*

Shradha Kere  
Quality Manager







TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b>	: M/s. Vascon Engineers Ltd.		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO :4210012427/1 Dated 02.11.2021		
<b>MoEFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/OT /08/22/179
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/OT /08/22/179
<b>Sampling Method</b>	: Nil/LAIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 26°C
<b>Sampling Date</b>	: 17.08.2022	<b>Sample Receive Date</b>	: 18.08.2022
<b>Analysis Start Date</b>	: 19.08.2022	<b>Analysis End Date</b>	: 23.08.2022
<b>Reporting Date</b>	: 23.08.2022	<b>Sample Qty &amp;Pckg</b>	: FP (2 nos), CT, Bid & 50ml PB (4 nos)
<b>Sampling Location</b>	: North - West Corner of Phase-1	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	56.9	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	17.5	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guidline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	11.6	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	24.9	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.23	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	2.5	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	13.4	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	2.9	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.3	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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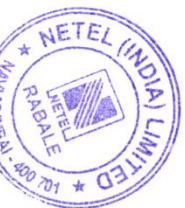
\*\*\*End of Report\*\*\*

Verified by

*Ashwini*  
Sureka Jamdar  
Technical Manager

Issued by

*Shraddha*  
Shraddha Kere  
Quality Manager



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A Neterwala Group Company

Office &amp; Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.

CIN : U74999MH2003PLC142228

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

## TEST REPORT

<b>Name of Organization</b> : M/s.Vascon Engineers Ltd.						
<b>Customer Address</b> :	CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002					
<b>Customer Ref.</b> :	PO NO :4210012697/0					
<b>MoEFCC Validity</b> :	16th Oct 2024					
<b>Discipline/Group</b> :	Chemical-Atmospheric Pollution					
<b>Sample Type</b> :	Ambient Air					
<b>Sampling Method</b> :	NI(I)/LAIR/SOP-12/13/14					
<b>Sampling Date</b> :	17.08.2022					
<b>Analysis Start Date</b> :	19.08.2022					
<b>Reporting Date</b> :	23.08.2022					
<b>Sampling Location</b> :	North - West Corner of Phase-1					
<b>Sr. No</b>	<b>Parameter</b>	<b>Result</b>	<b>CPCB Limit</b>	<b>Unit</b>	<b>Duration</b>	<b>Method</b>
12	Hydrocarbon (HC)	0.54	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

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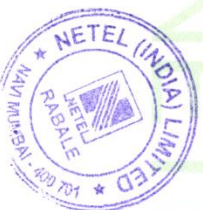
\*\*\*End of Report\*\*\*

Verified by

  
Surekha Jamdar  
Technical Manager

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Shraddha Kere  
Quality Manager



Page 2 of 2





TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b>	: M/s.Vascon Engineers Ltd.		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO :4210012427/1 Dated 02.11.2021		
<b>MoEFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/OT /07/22/189
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/OT /07/22/189
<b>Sampling Method</b>	: Nil/LAIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 24°C
<b>Sampling Date</b>	: 29.07.2022	<b>Sample Receive Date</b>	: 30.07.2022
<b>Analysis Start Date</b>	: 01.08.2022	<b>Analysis End Date</b>	: 06.08.2022
<b>Reporting Date</b>	: 06.08.2022	<b>Sample Qty &amp;Pckg</b>	: FP (2 nos), CT, Bid & 50ml PB (4 nos)
<b>Sampling Location</b>	: North - West Corner of Phase-1	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	59.6	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	17.3	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guidline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	13.8	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	25.1	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.32	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	2.1	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	15.6	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	2.6	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.3	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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Surekha Jamdar  
Technical Manager

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

CIN : U74999MH2003PLC142228

## TEST REPORT

<b>Name of Organization</b> : M/s Vascon Engineers Ltd.						
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002					
<b>Customer Ref.</b>	: PO NO :421001269710					
<b>MoEFCC Validity</b>	: 16th Oct 2024					
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution					
<b>Sample Type</b>	: Ambient Air					
<b>Sampling Method</b>	: N(I)/LAIR/SOP-12/13/14					
<b>Sampling Date</b>	: 29.07.2022					
<b>Analysis Start Date</b>	: 01.08.2022					
<b>Reporting Date</b>	: 06.08.2022					
<b>Sampling Location</b>	: North - West Corner of Phase-1					
<b>Test Report No.</b>	: NIL/OT /07/22/189					
<b>Sample Code</b>	: NIL/OT /07/22/189					
<b>Ambient Temperature</b>	: 24°C					
<b>Sample Receive Date</b>	: 30.07.2022					
<b>Analysis End Date</b>	: 06.08.2022					
<b>Sample Qty &amp;Pckg</b>	: FP (2 nos), CT, Bid & 50ml PB (4 nos)					
<b>Sampling Done By</b>	: Netel (India) Limited					
Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
12	Hydrocarbon (HC)	0.51	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

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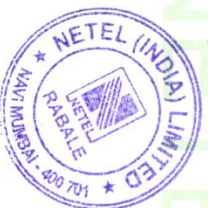


Surekha Jamdar  
Technical Manager

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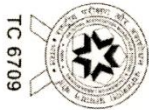


Shraddha Kere  
Quality Manager



Page 2 of 2





TC 6709

Netel (India) Limited



## TEST REPORT

<b>Name of Organization</b>	: M/s. Vascon Engineers Ltd.		
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Ref.</b>	: PO NO. 42100124271 Dated 02.11.2021		
<b>MOEFCC Validity</b>	: 16th Oct 2024	<b>QCI - NABL Validity</b>	: 16th June 2024
<b>Discipline/Group</b>	: Chemical-Atmospheric Pollution	<b>Test Report No.</b>	: NIL/OT /07/22/188
<b>Sample Type</b>	: Ambient Air	<b>Sample Code</b>	: NIL/OT /07/22/188
<b>Sampling Method</b>	: Nil/LAIR/SOP-12/13/14	<b>Ambient Temperature</b>	: 24°C
<b>Sampling Date</b>	: 13.07.2022	<b>Sample Receive Date</b>	: 14.07.2022
<b>Analysis Start Date</b>	: 15.07.2022	<b>Analysis End Date</b>	: 20.07.2022
<b>Reporting Date</b>	: 20.07.2022	<b>Sample Qty &amp;Pckg</b>	: FP (2 nos), CT, Bid & 50ml PB (4 nos)
<b>Sampling Location</b>	: North - West Corner of Phase-1	<b>Sampling Done By</b>	: Netel (India) Limited

Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
1	Particulate Matter (PM <sub>10</sub> )	58.1	100	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> )	18.4	60	µg/m <sup>3</sup>	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guideline Volume 1-2011
3	Sulphur Dioxide (SO <sub>2</sub> )	12.5	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO <sub>2</sub> )	26.7	80	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.28	2	mg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-10)
6	Benzene (C <sub>6</sub> H <sub>6</sub> )	2.6	5	µg/m <sup>3</sup>	24 Hrs	IS-5182 (Part-11)
7	Ammonia (NH <sub>3</sub> )	14.8	400	µg/m <sup>3</sup>	24 Hrs	APHA AIR 3rd Method 401
8	Ozone (O <sub>3</sub> )	2.1	100	µg/m <sup>3</sup>	8 Hrs	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m <sup>3</sup>	24 Hrs	IS-5182 (Part-12)
10	Lead (Pb)	0.4	1	µg/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition
11	Nickel (Ni)	<5	20	ng/m <sup>3</sup>	24 Hrs	(Method 822)

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*Heemal*  
Sureka Jambdar  
Technical Manager

Issued by

*Shraddha*  
Shraddha Kere  
Quality Manager

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

## TEST REPORT

<b>Name of Organization</b> : Ms.Vascon Engineers Ltd.						
<b>Customer Address</b> : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of Metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002						
<b>Customer Ref.</b> : PO NO :4210012697/0						
<b>MOEFCC Validity</b> : 16th Oct 2024						
<b>Discipline/Group</b> : Chemical-Atmospheric Pollution	<b>Test Report No.</b> : NIL/OT /07/22/188					
<b>Sample Type</b> : Ambient Air	<b>Sample Code</b> : NIL/OT /07/22/188					
<b>Sampling Method</b> : N(0)/AIR/SOP-12/13/14	<b>Ambient Temperature</b> : 24°C					
<b>Sampling Date</b> : 13.07.2022	<b>Sample Receive Date</b> : 14.07.2022					
<b>Analysis Start Date</b> : 15.07.2022	<b>Analysis End Date</b> : 20.07.2022					
<b>Reporting Date</b> : 20.07.2022	<b>Sample Qty &amp;Pckg</b> : FP (2 nos), CT, Bid & 50ml PB (4 nos)					
<b>Sampling Location</b> : North - West Corner of Phase-1	<b>Sampling Done By</b> : Netel (India) Limited					
Sr. No	Parameter	Result	CPCB Limit	Unit	Duration	Method
12	Hydrocarbon (HC)	0.52	---	ppm	24 Hrs	IS 5182 (Part 17)
13	Arsenic (As)	<1	6	ng/m <sup>3</sup>	24 Hrs	APHA - Air 3rd Edition (Method 822)

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Verified by

*Amol*

Surekha Jamdar  
Technical Manager

Issued by


*Shraddha*

Shraddha Kere  
Quality Manager



Page 2 of 2



		City: Mumbai Part: Sec-Mumbai Trading Floor		
<b>ULTRATECH CEMENT LIMITED</b>				
<b>Mix Design Report</b>				
Client :	MMTC	Date :	24-11-22	
Contractor Name :	M/S Vecon engineers Limited			
Project Name :	Mumbai Metro Corridor (Phase 1) - Station 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 31 - 32 - 33 - 34 - 35 - 36 - 37 - 38 - 39 - 40 - 41 - 42 - 43 - 44 - 45 - 46 - 47 - 48 - 49 - 50 - 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 - 59 - 60 - 61 - 62 - 63 - 64 - 65 - 66 - 67 - 68 - 69 - 70 - 71 - 72 - 73 - 74 - 75 - 76 - 77 - 78 - 79 - 80 - 81 - 82 - 83 - 84 - 85 - 86 - 87 - 88 - 89 - 90 - 91 - 92 - 93 - 94 - 95 - 96 - 97 - 98 - 99 - 100 - 101 - 102 - 103 - 104 - 105 - 106 - 107 - 108 - 109 - 110 - 111 - 112 - 113 - 114 - 115 - 116 - 117 - 118 - 119 - 120 - 121 - 122 - 123 - 124 - 125 - 126 - 127 - 128 - 129 - 130 - 131 - 132 - 133 - 134 - 135 - 136 - 137 - 138 - 139 - 140 - 141 - 142 - 143 - 144 - 145 - 146 - 147 - 148 - 149 - 150 - 151 - 152 - 153 - 154 - 155 - 156 - 157 - 158 - 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 - 180 - 181 - 182 - 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684 - 685 - 686 - 687 - 688 - 689 - 690 - 691 - 692 - 693 - 694 - 695 - 696 - 697 - 698 - 699 - 700 - 701 - 702 - 703 - 704 - 705 - 706 - 707 - 708 - 709 - 710 - 711 - 712 - 713 - 714 - 715 - 716 - 717 - 718 - 719 - 720 - 721 - 722 - 723 - 724 - 725 - 726 - 727 - 728 - 729 - 730 - 731 - 732 - 733 - 734 - 735 - 736 - 737 - 738 - 739 - 740 - 741 - 742 - 743 - 744 - 745 - 746 - 747 - 748 - 749 - 750 - 751 - 752 - 753 - 754 - 755 - 756 - 757 - 758 - 759 - 760 - 761 - 762 - 763 - 764 - 765 - 766 - 767 - 768 - 769 - 770 - 771 - 772 - 773 - 774 - 775 - 776 - 777 - 778 - 779 - 780 - 781 - 782 - 783 - 784 - 785 - 786 - 787 - 788 - 789 - 790 - 791 - 792 - 793 - 794 - 795 - 796 - 797 - 798 - 799 - 800 - 801 - 802 - 803 - 804 - 805 - 806 - 807 - 808 - 809 - 810 - 811 - 812 - 813 - 814 - 815 - 816 - 817 - 818 - 819 - 820 - 821 - 822 - 823 - 824 - 825 - 826 - 827 - 828 - 829 - 830 - 831 - 832 - 833 - 834 - 835 - 836 - 837 - 838 - 839 - 840 - 841 - 842 - 843 - 844 - 845 - 846 - 847 - 848 - 849 - 850 - 851 - 852 - 853 - 854 - 855 - 856 - 857 - 858 - 859 - 860 - 861 - 862 - 863 - 864 - 865 - 866 - 867 - 868 - 869 - 870 - 871 - 872 - 873 - 874 - 875 - 876 - 877 - 878 - 879 - 880 - 881 - 882 - 883 - 884 - 885 - 886 - 887 - 888 - 889 - 890 - 891 - 892 - 893 - 894 - 895 - 896 - 897 - 898 - 899 - 900 - 901 - 902 - 903 - 904 - 905 - 906 - 907 - 908 - 909 - 910 - 911 - 912 - 913 - 914 - 915 - 916 - 917 - 918 - 919 - 920 - 921 - 922 - 923 - 924 - 925 - 926 - 927 - 928 - 929 - 930 - 931 - 932 - 933 - 934 - 935 - 936 - 937 - 938 - 939 - 940 - 941 - 942 - 943 - 944 - 945 - 946 - 947 - 948 - 949 - 950 - 951 - 952 - 953 - 954 - 955 - 956 - 957 - 958 - 959 - 960 - 961 - 962 - 963 - 964 - 965 - 966 - 967 - 968 - 969 - 970 - 971 - 972 - 973 - 974 - 975 - 976 - 977 - 978 - 979 - 980 - 981 - 982 - 983 - 984 - 985 - 986 - 987 - 988 - 989 - 990 - 991 - 992 - 993 - 994 - 995 - 996 - 997 - 998 - 999 - 1000			
Strength Type :	Compressive	Grade :	M40	
Characteristic strength (MPa):	40	Strength Class :	Standard Concrete	
Specified Slump (mm):	170±25	Max W/Cm Ratio :	0.5	
Target Mean Strength (MPa) :	48.25	Aggregate Size (MCA)(mm):	20	
Total Binder Content (kg/cum) :	540	W/Cm Ratio :	0.29	
		Unit Weight (kg/cum):	2488	
<b>Contribants Details(Material) Type Source</b>				
Cementitious				
Cement	OPC 53 grade	405	3.14	
Flyash	Approved Source	135	2.45	
Aggregates				
M.Sand	Fine Aggregate (ANGI CLASS) UTCL Approved Source	819	2.7	
10mm	Coarse Aggregate (AUGMMI CA 10 MM) UTCL Approved Source	405	2.82	
20mm	Coarse Aggregate (AUGMMI CA 20 MM) UTCL Approved Source	561	2.89	
Others				
Water	Water WATERB Water TCC UTCL Approved Source	155	1	
ADDMPLST	TP AQUALOC 150	6.48	1.099	
Air			0.01	
<b>Total</b>		<b>2488</b>	<b>1.000</b>	

COMMENT: 1) The above Mix Design is on the basis of our approved source/supplier of the material. The same may require attention in proportioning of material in case of source or aggregate shape and size change by keeping the requirements intact. 2) The curing of the concrete is the responsibility of the customer as such the concrete should be covered without any delay and before the concrete loses its wetness on the finished surface to avoid any shrinkage cracks. 3) As per IS 4006-1 & 2, the time of loading shall start from adding the mixing water to the dry mix of cement & aggregate or adding the cement to wet aggregate whenever is applicable. 4) This concrete has been design for slump retention upto 4hrs from batching. It is strongly recommended to consume concrete within the same as per IS 4006-1 & 2 & 3.1 (b) as per IS 406. Clno 11.3.1 for removal of formwork under normal circumstances, ambient temp. not fall below 15oc and where OPC cement used min period for column, wall & beam 16-24hrs.



OC Incharge

**NOISE MONITORING REPORT**

**Name of Organization :** M/s. Vascon Engineers Ltd.  
**Customer Address :** CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002  
**Customer Reference :** PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office	
Date	15.12.2022	
06:00 - 07:00	48.2	
07:00 - 08:00	50.3	
08:00 - 09:00	52.7	
09:00 - 10:00	54.2	
10:00 - 11:00	56.9	
11:00 - 12:00	58.4	
12:00 - 13:00	60.8	
13:00 - 14:00	66.8	
14:00 - 15:00	67.5	
15:00 - 16:00	69.1	
16:00 - 17:00	66.8	
17:00 - 18:00	64.2	
18:00 - 19:00	61.5	
19:00 - 20:00	58.3	
20:00 - 21:00	53.8	
21:00 - 22:00	51.3	
22:00 - 23:00	50.2	
23:00 - 00:00	49.1	
00:00 - 01:00	44.7	
01:00 - 02:00	45.5	
02:00 - 03:00	45.7	
03:00 - 04:00	43.9	
04:00 - 05:00	44.3	
05:00 - 06:00	47.5	
...	...	
	<b>Day</b>	<b>Night</b>
$L_{eq}$	62.9	46.9
$L_{10}$	67.2	49.4
$L_{50}$	58.4	45.6
$L_{90}$	50.8	44.1
$L_{max}$	69.1	50.2
$L_{min}$	48.2	43.9

Note: All Values in dB(A)

Verified by:



*Neelima Dalvi*  
 Neelima Dalvi  
 Authorised Signatory

Issued by:



*Shraddha Kere*  
 Shraddha Kere  
 Quality Manager

A/Nelermwala Group Company

Office & Laboratory : W-400, Rajale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.

CIN : U74999MH2003PLC142228

Phone : 72080876 92 / 93 / 94 / 95 \* Website : www.netelindia.com \* E mail : ome@netelindia.com  
 Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.





### NOISE MONITORING REPORT

Name of Organization : M/s. Vascon Engineers Ltd.  
 Customer Address : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation  
 of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002  
 Customer Reference : PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office
Date	07.12.2022
06:00 - 07:00	49.6
07:00 - 08:00	51.7
08:00 - 09:00	53.3
09:00 - 10:00	56.7
10:00 - 11:00	58.4
11:00 - 12:00	60.8
12:00 - 13:00	62.7
13:00 - 14:00	65.3
14:00 - 15:00	68.2
15:00 - 16:00	68.8
16:00 - 17:00	67.5
17:00 - 18:00	66.8
18:00 - 19:00	63.7
19:00 - 20:00	59.3
20:00 - 21:00	54.2
21:00 - 22:00	53.1
22:00 - 23:00	49.6
23:00 - 00:00	50.7
00:00 - 01:00	44.3
01:00 - 02:00	42.8
02:00 - 03:00	42.8
03:00 - 04:00	68.8
04:00 - 05:00	63.6
05:00 - 06:00	47.2
...	...
	Day
L <sub>eq</sub>	63.6
L <sub>10</sub>	67.9
L <sub>50</sub>	60.1
L <sub>90</sub>	52.4
L <sub>max</sub>	68.8
L <sub>min</sub>	49.6
	Night
L <sub>eq</sub>	61.1
L <sub>10</sub>	65.2
L <sub>50</sub>	48.4
L <sub>90</sub>	42.8
L <sub>max</sub>	68.8
L <sub>min</sub>	42.8

Note: All Values in dB(A)

Verified by:

*Winda*

Neelima Dalvi  
Authorised Signatory



Issued by:

*S. K. Kere*

Shraddha Kere  
Quality Manager





Netel (India) Limited

## NOISE MONITORING REPORT

<b>Name of Organization :</b> M/s. Vascon Engineers Ltd.		
<b>Customer Address :</b> CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002		
<b>Customer Reference :</b> PO NO :4210012427/1 Dated 02.11.2021		
<b>Location</b>	<b>Near Site Office</b>	
<b>Date</b>	<b>03.12.2022</b>	
06:00 - 07:00		48.7
07:00 - 08:00		50.2
08:00 - 09:00		52.1
09:00 - 10:00		55.2
10:00 - 11:00		57.3
11:00 - 12:00		59.7
12:00 - 13:00		61.3
13:00 - 14:00		64.9
14:00 - 15:00		66.7
15:00 - 16:00		69.5
16:00 - 17:00		66.3
17:00 - 18:00		63.2
18:00 - 19:00		62.3
19:00 - 20:00		60.2
20:00 - 21:00		55.6
21:00 - 22:00		52.9
22:00 - 23:00		49.8
23:00 - 00:00		50.2
00:00 - 01:00		46.2
01:00 - 02:00		44.3
02:00 - 03:00		44.2
03:00 - 04:00		45.3
04:00 - 05:00		45.8
05:00 - 06:00		47.2
---	<b>Day</b>	<b>Night</b>
<b>L<sub>eq</sub></b>	62.7	47.2
<b>L<sub>10</sub></b>	66.5	49.9
<b>L<sub>50</sub></b>	60.0	46.0
<b>L<sub>90</sub></b>	51.2	44.3
<b>L<sub>max</sub></b>	69.5	50.2
<b>L<sub>min</sub></b>	48.7	44.2

Note: All Values in dB(A)

Verified by:

*Neelima Dalvi*

Neelima Dalvi  
Authorised Signatory



Issued by:

*Shraddha Kere*

Shraddha Kere  
Quality Manager



A Netenwala Group Company

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.

Phone : /20809/8 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.

CIN : U74999MH2003PLC142228







**NOISE MONITORING REPORT**

Name of Organization : M/s. Vascon Engineers Ltd.

Customer Address : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

Customer Reference :PO NO.:4210012427/1 Dated 02.11.2021

Location	Site Office
Date	24.11.2022
06:00 - 07:00	62.8
07:00 - 08:00	63.5
08:00 - 09:00	67.5
09:00 - 10:00	66.8
10:00 - 11:00	68.6
11:00 - 12:00	70.8
12:00 - 13:00	71.9
13:00 - 14:00	69.2
14:00 - 15:00	68.2
15:00 - 16:00	67.9
16:00 - 17:00	68.5
17:00 - 18:00	70.2
18:00 - 19:00	69.5
19:00 - 20:00	68.1
20:00 - 21:00	67.9
21:00 - 22:00	66.3
22:00 - 23:00	65.8
23:00 - 00:00	61.8
00:00 - 01:00	62.5
01:00 - 02:00	60.8
02:00 - 03:00	59.1
03:00 - 04:00	58.6
04:00 - 05:00	56.4
05:00 - 06:00	54.2
...	
	Day
$L_{eq}$	68.5
$L_{10}$	70.5
$L_{50}$	68.2
$L_{90}$	66.1
$L_{max}$	71.9
$L_{min}$	62.8
	Night
$L_{eq}$	61.2
$L_{10}$	63.5
$L_{50}$	60.0
$L_{90}$	55.5
$L_{max}$	65.8
$L_{min}$	54.2

Note: All Values in dB(A)

Verified by:

*Neelima Dalvi*

Neelima Dalvi  
Authorised Signatory



Issued by:

*Shraddha Kere*

Shraddha Kere  
Quality Manager



Netel (India) Limited

## NOISE MONITORING REPORT

Name of Organization : M/s.Vascon Engineers Ltd.  
Customer Address : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002  
Customer Reference :PO NO :4210012427/1 Dated 02.11.2021

Location	Site Office	
Date	16.11.2022	
06:00 - 07:00	63.2	
07:00 - 08:00	65.1	
08:00 - 09:00	66.7	
09:00 - 10:00	67.3	
10:00 - 11:00	67.1	
11:00 - 12:00	68.5	
12:00 - 13:00	70.6	
13:00 - 14:00	69.1	
14:00 - 15:00	68.9	
15:00 - 16:00	69.7	
16:00 - 17:00	70.2	
17:00 - 18:00	69.3	
18:00 - 19:00	68.2	
19:00 - 20:00	67.9	
20:00 - 21:00	68.7	
21:00 - 22:00	67.9	
22:00 - 23:00	64.5	
23:00 - 00:00	63.5	
00:00 - 01:00	61.7	
01:00 - 02:00	61.4	
02:00 - 03:00	58.2	
03:00 - 04:00	56.2	
04:00 - 05:00	53.9	
05:00 - 06:00	52.7	
...		
L <sub>eq</sub>	Day	Night
L <sub>10</sub>	68.4	60.7
L <sub>50</sub>	70.0	63.8
L <sub>90</sub>	68.4	59.8
L <sub>max</sub>	65.9	53.4
L <sub>min</sub>	70.6	64.5
	63.2	52.7

Note: All Values in dB(A)

Verified by:

Neelima Dalvi  
Authorised Signatory



Issued by:

Shraddha Kere  
Quality Manager





**NOISE MONITORING REPORT**

**Name of Organization** : M/s. Vascon Engineers Ltd.

**Customer Address** : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

**Customer Reference** :PO NO :4210012427/1 Dated 02.11.2021

Location	Site Office	
Date	10.11.2022	
06:00 - 07:00	62.1	
07:00 - 08:00	63.5	
08:00 - 09:00	65.3	
09:00 - 10:00	66.4	
10:00 - 11:00	68.3	
11:00 - 12:00	69.5	
12:00 - 13:00	70.2	
13:00 - 14:00	68.3	
14:00 - 15:00	67.2	
15:00 - 16:00	69.3	
16:00 - 17:00	67.9	
17:00 - 18:00	68.5	
18:00 - 19:00	66.4	
19:00 - 20:00	67.3	
20:00 - 21:00	66.9	
21:00 - 22:00	67.5	
22:00 - 23:00	66.3	
23:00 - 00:00	62.7	
00:00 - 01:00	62.3	
01:00 - 02:00	60.5	
02:00 - 03:00	53.2	
03:00 - 04:00	70.2	
04:00 - 05:00	67.6	
05:00 - 06:00	65.6	
...		
	<b>Day</b>	<b>Night</b>
$L_{eq}$	67.6	65.6
$L_{10}$	69.4	68.4
$L_{50}$	67.4	64.2
$L_{90}$	65.8	57.6
$L_{max}$	70.2	70.2
$L_{min}$	62.1	53.2

Note: All Values in dB(A)

Verified by:

Neelima Dalvi  
Authorised Signatory

Issued by:

Shraddha Kere  
Quality Manager





Netel (India) Limited

## NOISE MONITORING REPORT

Name of Organization : M/s.Vascon Engineers Ltd.

Customer Address : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

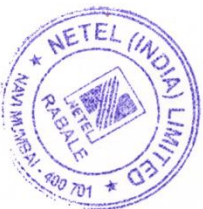
Customer Reference :PO NO.:4210012427/1 Dated 02.11.2021

Location	Site Office	
Date	04.11.2022	
06:00 - 07:00	61.2	
07:00 - 08:00	63.9	
08:00 - 09:00	65.3	
09:00 - 10:00	68.5	
10:00 - 11:00	69.1	
11:00 - 12:00	70.2	
12:00 - 13:00	71.2	
13:00 - 14:00	69.5	
14:00 - 15:00	68.6	
15:00 - 16:00	68.2	
16:00 - 17:00	66.3	
17:00 - 18:00	70.2	
18:00 - 19:00	68.5	
19:00 - 20:00	66.5	
20:00 - 21:00	67.9	
21:00 - 22:00	70.2	
22:00 - 23:00	65.2	
23:00 - 00:00	63.5	
00:00 - 01:00	65.9	
01:00 - 02:00	63.8	
02:00 - 03:00	58.7	
03:00 - 04:00	56.2	
04:00 - 05:00	56.3	
05:00 - 06:00	56.7	
---		
L <sub>eq</sub>	Day	Night
L <sub>10</sub>	68.4	62.4
L <sub>50</sub>	70.2	65.4
L <sub>90</sub>	68.5	61.1
L <sub>max</sub>	65.3	56.3
L <sub>min</sub>	71.2	65.9
	61.2	56.2

Note: All Values in dB(A)

Verified by:

Neelima Dalvi  
Authorised Signatory



Issued by:

Shraddha Kere  
Quality Manager





### NOISE MONITORING REPORT

Name of Organization : M/s. Vascon Engineers Ltd

Customer Address : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

Customer Reference : PO NO :4210012427/1 Dated 02.11.2021

Location	North - West Corner of Phase-1
Date	27.10.2022
06:00 - 07:00	62.8
07:00 - 08:00	64.7
08:00 - 09:00	65.9
09:00 - 10:00	67.2
10:00 - 11:00	69.7
11:00 - 12:00	69.1
12:00 - 13:00	70.2
13:00 - 14:00	68.9
14:00 - 15:00	67.1
15:00 - 16:00	66.9
16:00 - 17:00	69.5
17:00 - 18:00	70.5
18:00 - 19:00	72.6
19:00 - 20:00	69.8
20:00 - 21:00	67.1
21:00 - 22:00	65.8
22:00 - 23:00	66.3
23:00 - 00:00	62.8
00:00 - 01:00	61.7
01:00 - 02:00	62.3
02:00 - 03:00	60.7
03:00 - 04:00	61.5
04:00 - 05:00	59.2
05:00 - 06:00	55.1
...	
	Day
$L_{eq}$	68.6
$L_{10}$	70.4
$L_{50}$	68.1
$L_{90}$	65.9
$L_{max}$	72.6
$L_{min}$	62.8
	Night
$L_{eq}$	62.1
$L_{10}$	63.9
$L_{50}$	61.6
$L_{90}$	57.6
$L_{max}$	66.3
$L_{min}$	55.1

Note: All Values in dB(A)

Verified by:

Neelima Dalvi  
Authorised Signatory



Issued by:

Shraddha Kere  
Quality Manager





## NOISE MONITORING REPORT

Name of Organization : M/s. Vascon Engineers Ltd

Customer Address : CS. No. 662 and 1/662 of Bhuleshwar dicsion for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

Customer Reference : PO NO :4210012427/1 Dated 02.11.2021

Location	North - West Corner of Phase-1	
Date	18.10.2022	
06:00 - 07:00	64.2	
07:00 - 08:00	66.7	
08:00 - 09:00	67.1	
09:00 - 10:00	68.1	
10:00 - 11:00	67.9	
11:00 - 12:00	70.2	
12:00 - 13:00	71.9	
13:00 - 14:00	69.8	
14:00 - 15:00	68.5	
15:00 - 16:00	67.9	
16:00 - 17:00	70.2	
17:00 - 18:00	71.4	
18:00 - 19:00	69.8	
19:00 - 20:00	68.5	
20:00 - 21:00	67.3	
21:00 - 22:00	66.9	
22:00 - 23:00	67.1	
23:00 - 00:00	64.8	
00:00 - 01:00	62.9	
01:00 - 02:00	60.2	
02:00 - 03:00	59.7	
03:00 - 04:00	58.3	
04:00 - 05:00	57.1	
05:00 - 06:00	54.2	
...		
	Day	Night
L <sub>eq</sub>	68.9	62.3
L <sub>10</sub>	70.8	65.5
L <sub>50</sub>	68.3	60.0
L <sub>90</sub>	67.0	55.9
L <sub>max</sub>	71.9	67.1
L <sub>min</sub>	64.2	54.2

Note: All Values in dB(A)

Verified by:

*Neelima Dalvi*

Neelima Dalvi  
Authorised Signatory



Issued by:

*Shraddha Kere*

Shraddha Kere  
Quality Manager





### NOISE MONITORING REPORT

**Name of Organization :** M/s.Vascon Engineers Ltd

**Customer Address :** CS. No. 662 and 1/662 of Bhuleshwar dicsion for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

**Customer Reference :** PO NO:4210012427/1 Dated 02.11.2021

Location		North - West Corner of Phase-1	
Date		14.10.2022	
06:00 - 07:00			63.8
07:00 - 08:00			65.7
08:00 - 09:00			66.2
09:00 - 10:00			67.5
10:00 - 11:00			69.1
11:00 - 12:00			72.6
12:00 - 13:00			70.5
13:00 - 14:00			68.7
14:00 - 15:00			67.1
15:00 - 16:00			69.7
16:00 - 17:00			68.1
17:00 - 18:00			70.2
18:00 - 19:00			67.3
19:00 - 20:00			68.2
20:00 - 21:00			69.7
21:00 - 22:00			68.2
22:00 - 23:00			65.7
23:00 - 00:00			63.9
00:00 - 01:00			61.8
01:00 - 02:00			59.2
02:00 - 03:00			55.2
03:00 - 04:00			72.6
04:00 - 05:00			68.8
05:00 - 06:00			66.6
...		Day	Night
L <sub>eq</sub>		68.8	66.9
L <sub>10</sub>		70.4	69.9
L <sub>50</sub>		68.2	64.8
L <sub>90</sub>		66.0	57.6
L <sub>max</sub>		72.6	72.6
L <sub>min</sub>		63.8	55.2

Note: All Values in dB(A)

Verified by:

Neelima Dalvi  
Authorised Signatory



Issued by:

Shraddha Kere  
Quality Manager





### NOISE MONITORING REPORT


**Name of Organization** : M/s. Vascon Engineers Ltd

**Customer Address** : CS. No. 662 and 1/662 of Bhuleshwar dicsion for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002


**Customer Reference** : PO NO :4210012427/1 Dated 02.11.2021

Location		North - West Corner of Phase-1	
Date		06.10.2022	
06:00 - 07:00			65.1
07:00 - 08:00			68.5
08:00 - 09:00			70.2
09:00 - 10:00			69.7
10:00 - 11:00			68.5
11:00 - 12:00			70.6
12:00 - 13:00			69.5
13:00 - 14:00			67.1
14:00 - 15:00			69.5
15:00 - 16:00			70.3
16:00 - 17:00			68.2
17:00 - 18:00			71.2
18:00 - 19:00			69.5
19:00 - 20:00			67.2
20:00 - 21:00			67.9
21:00 - 22:00			69.1
22:00 - 23:00			68.5
23:00 - 00:00			64.2
00:00 - 01:00			67.2
01:00 - 02:00			65.8
02:00 - 03:00			63.1
03:00 - 04:00			62.8
04:00 - 05:00			61.4
05:00 - 06:00			59.2
...			
Day		Night	
$L_{eq}$		69.1	64.9
$L_{10}$		70.5	67.6
$L_{50}$		69.3	63.7
$L_{90}$		67.6	60.5
$L_{max}$		71.2	68.5
$L_{min}$		65.1	59.2

Note: All Values in dB(A)

Verified by:   
**Neelima Dalvi**  
 Authorised Signatory



Issued by:   
**Shraddha Kere**  
 Quality Manager







### NOISE MONITORING REPORT

**Name of Organization** : M/s. Vascon Engineers Ltd.

**Customer Address** : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

**Customer Reference** : PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office
<b>Date</b>	<b>26.09.2022</b>
06:00 - 07:00	60.5
07:00 - 08:00	62.3
08:00 - 09:00	63.8
09:00 - 10:00	69.3
10:00 - 11:00	68.4
11:00 - 12:00	70.2
12:00 - 13:00	71.9
13:00 - 14:00	70.1
14:00 - 15:00	69.4
15:00 - 16:00	68.3
16:00 - 17:00	70.9
17:00 - 18:00	69.8
18:00 - 19:00	71.2
19:00 - 20:00	67.2
20:00 - 21:00	65.8
21:00 - 22:00	64.7
22:00 - 23:00	63.8
23:00 - 00:00	61.7
00:00 - 01:00	62.9
01:00 - 02:00	61.7
02:00 - 03:00	57.6
03:00 - 04:00	58.6
04:00 - 05:00	54.6
05:00 - 06:00	54.1
...	
<b>Day</b>	<b>Night</b>
L <sub>eq</sub>	60.6
L <sub>10</sub>	63.2
L <sub>50</sub>	60.2
L <sub>90</sub>	54.4
L <sub>max</sub>	63.8
L <sub>min</sub>	54.1

Note: All Values in dB(A)

Verified by:

Surekha Janddar  
Technical Manager

Issued by:

Shraddha Kere  
Quality Manager





Netel (India) Limited


## NOISE MONITORING REPORT

**Name of Organization :** M/s. Vascon Engineers Ltd.  
**Customer Address :** CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002  
**Customer Reference :** PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office
Date	19.09.2022
06:00 - 07:00	61.9
07:00 - 08:00	62.8
08:00 - 09:00	64.9
09:00 - 10:00	67.5
10:00 - 11:00	69.7
11:00 - 12:00	69.4
12:00 - 13:00	70.9
13:00 - 14:00	69.3
14:00 - 15:00	68.3
15:00 - 16:00	66.7
16:00 - 17:00	71.5
17:00 - 18:00	71.2
18:00 - 19:00	69.5
19:00 - 20:00	66.9
20:00 - 21:00	63.5
21:00 - 22:00	62.8
22:00 - 23:00	61.4
23:00 - 00:00	62.8
00:00 - 01:00	63.7
01:00 - 02:00	60.8
02:00 - 03:00	59.4
03:00 - 04:00	54.8
04:00 - 05:00	52.8
05:00 - 06:00	53.2
...	
Day	Night
$L_{eq}$	60.2
$L_{10}$	63.1
$L_{50}$	60.1
$L_{90}$	53.0
$L_{max}$	63.7
$L_{min}$	52.8

Note: All Values in dB(A)

Verified by:

  
Surekha Jamdar  
Technical Manager



Issued by:

  
Shraddha Kere  
Quality Manager



A Netelwala Group Company

Office & Laboratory : W-408, Rahale 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.

CIN : U74999MH2003PLC142228





Netel (India) Limited


## NOISE MONITORING REPORT

**Name of Organization** : M/s. Vascon Engineers Ltd.  
**Customer Address** : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002  
**Customer Reference** : PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office	
Date	12.09.2022	
06:00 - 07:00	62.8	
07:00 - 08:00	63.7	
08:00 - 09:00	64.8	
09:00 - 10:00	66.4	
10:00 - 11:00	68.9	
11:00 - 12:00	71.6	
12:00 - 13:00	70.3	
13:00 - 14:00	68.7	
14:00 - 15:00	69.2	
15:00 - 16:00	69.5	
16:00 - 17:00	70.2	
17:00 - 18:00	69.7	
18:00 - 19:00	70.3	
19:00 - 20:00	65.8	
20:00 - 21:00	64.8	
21:00 - 22:00	63.5	
22:00 - 23:00	62.7	
23:00 - 00:00	61.2	
00:00 - 01:00	62.7	
01:00 - 02:00	59.3	
02:00 - 03:00	51.5	
03:00 - 04:00	71.6	
04:00 - 05:00	68.3	
05:00 - 06:00	65.1	
...	...	
<b>L<sub>eq</sub></b>	<b>Day</b>	<b>Night</b>
L <sub>10</sub>	68.3	65.8
L <sub>50</sub>	70.3	69.3
L <sub>90</sub>	68.8	62.7
L <sub>max</sub>	63.6	56.2
L <sub>min</sub>	71.6	71.6
	62.8	51.5

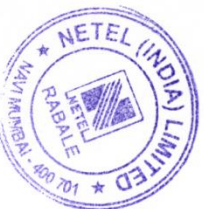
Note: All Values in dB(A)

Verified by:

  
Surekha Janddar  
Technical Manager



  
Shraddha Kere  
Quality Manager



A NEERWALA Group Company

Office & Laboratory : W-408, Rahule MIDC, TTC Industrial Area, Navi Mumbai - 400 701. CIN : U/4999MH2003PLC142228

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

## NOISE MONITORING REPORT

**Name of Organization** : M/s. Vascon Engineers Ltd.  
**Customer Address** : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002  
**Customer Reference** : PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office
Date	05.09.2022
06:00 - 07:00	61.8
07:00 - 08:00	62.9
08:00 - 09:00	65.9
09:00 - 10:00	67.8
10:00 - 11:00	68.2
11:00 - 12:00	70.6
12:00 - 13:00	71.4
13:00 - 14:00	69.5
14:00 - 15:00	68.2
15:00 - 16:00	67.8
16:00 - 17:00	69.7
17:00 - 18:00	70.3
18:00 - 19:00	70.8
19:00 - 20:00	68.3
20:00 - 21:00	65.7
21:00 - 22:00	64.9
22:00 - 23:00	63.8
23:00 - 00:00	60.3
00:00 - 01:00	62.4
01:00 - 02:00	61.2
02:00 - 03:00	59.3
03:00 - 04:00	56.8
04:00 - 05:00	55.9
05:00 - 06:00	52.9
...	
<b>Day</b>	<b>Night</b>
L <sub>eq</sub>	60.2
L <sub>10</sub>	62.8
L <sub>50</sub>	59.8
L <sub>90</sub>	54.7
L <sub>max</sub>	63.8
L <sub>min</sub>	52.9

Note: All Values in dB(A)

Verified by:

Surekha Jamdar  
Technical Manager



Issued by:

Shraddha Kere  
Quality Manager







Netel (India) Limited

### NOISE MONITORING REPORT

**Name of Organization** : M/s. Vascon Engineers Ltd.

**Customer Address** : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

**Customer Reference** : PO NO :4210012427/1 Dated 02.11.2021

Location		Near Site Office
Date		29.08.2022
06:00 - 07:00		61.9
07:00 - 08:00		62.7
08:00 - 09:00		64.8
09:00 - 10:00		67.1
10:00 - 11:00		67.8
11:00 - 12:00		69.5
12:00 - 13:00		68.3
13:00 - 14:00		71.4
14:00 - 15:00		70.9
15:00 - 16:00		69.8
16:00 - 17:00		70.3
17:00 - 18:00		71.8
18:00 - 19:00		70.9
19:00 - 20:00		69.8
20:00 - 21:00		69.1
21:00 - 22:00		67.2
22:00 - 23:00		68.3
23:00 - 00:00		62.8
00:00 - 01:00		63.9
01:00 - 02:00		64.8
02:00 - 03:00		60.2
03:00 - 04:00		59.1
04:00 - 05:00		56.2
05:00 - 06:00		55.8
...		
Day		Night
L <sub>eq</sub>		63.2
L <sub>10</sub>		65.9
L <sub>50</sub>		61.5
L <sub>90</sub>		56.0
L <sub>max</sub>		68.3
L <sub>min</sub>		55.8

Note: All Values in dB(A)

Verified by:

*Surekha Janddar*  
 Surekha Janddar  
 Technical Manager



Issued by:

*Shradha Kere*  
 Shradha Kere  
 Quality Manager



A Netelwala Group Company

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701.

CIN : U74999MH2003PLC142228

Pl: 72000970 92 / 93 / 94 / 95 \* Website: www.netelindia.com \* Email: info@netelindia.com  
 Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



### NOISE MONITORING REPORT

**Name of Organization** : M/s. Vascon Engineers Ltd.  
**Customer Address** : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon. (Building K3) - 400 002  
**Customer Reference** :PO NO :4210012427/1 Dated 02.11.2021

Location		Near Site Office
Date		22.08.2022
06:00 - 07:00		61.5
07:00 - 08:00		63.8
08:00 - 09:00		65.2
09:00 - 10:00		68.9
10:00 - 11:00		69.3
11:00 - 12:00		70.4
12:00 - 13:00		69.7
13:00 - 14:00		70.2
14:00 - 15:00		68.9
15:00 - 16:00		68.1
16:00 - 17:00		69.8
17:00 - 18:00		70.3
18:00 - 19:00		67.2
19:00 - 20:00		68.9
20:00 - 21:00		68.2
21:00 - 22:00		66.5
22:00 - 23:00		67.8
23:00 - 00:00		63.7
00:00 - 01:00		64.2
01:00 - 02:00		62.7
02:00 - 03:00		59.8
03:00 - 04:00		56.8
04:00 - 05:00		55.3
05:00 - 06:00		54.2
...		
	<b>Day</b>	<b>Night</b>
<b>L<sub>eq</sub></b>	68.5	62.7
<b>L<sub>10</sub></b>	70.3	65.3
<b>L<sub>50</sub></b>	68.9	61.3
<b>L<sub>90</sub></b>	65.9	54.9
<b>L<sub>max</sub></b>	70.4	67.8
<b>L<sub>min</sub></b>	61.5	54.2

Note: All Values in dB(A)

Verified by:

*Surekha Jamdar*  
 Surekha Jamdar  
 Technical Manager



Issued by:

*Shraddha Kere*  
 Shraddha Kere  
 Quality Manager







Netel (India) Limited

## NOISE MONITORING REPORT

Name of Organization : M/s. Vascon Engineers Ltd.  
Customer Address : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002  
Customer Reference : PO NO. :4210012427/1 Dated 02.11.2021

Location	Near Site Office	
Date	17.08.2022	
06:00 - 07:00	63.5	
07:00 - 08:00	65.2	
08:00 - 09:00	67.1	
09:00 - 10:00	69.5	
10:00 - 11:00	69.8	
11:00 - 12:00	71.5	
12:00 - 13:00	70.2	
13:00 - 14:00	68.9	
14:00 - 15:00	67.8	
15:00 - 16:00	68.9	
16:00 - 17:00	71.8	
17:00 - 18:00	69.1	
18:00 - 19:00	69.5	
19:00 - 20:00	68.3	
20:00 - 21:00	67.9	
21:00 - 22:00	67.3	
22:00 - 23:00	64.8	
23:00 - 00:00	62.6	
00:00 - 01:00	61.9	
01:00 - 02:00	59.8	
02:00 - 03:00	53.9	
03:00 - 04:00	71.8	
04:00 - 05:00	69.0	
05:00 - 06:00	66.4	
...	...	
	Day	Night
L <sub>eq</sub>	69.0	66.4
L <sub>10</sub>	70.9	69.8
L <sub>50</sub>	68.9	63.7
L <sub>90</sub>	66.2	57.4
L <sub>max</sub>	71.8	71.8
L <sub>min</sub>	63.5	53.9

Note: All Values in dB(A)

Verified by:

*Heemda*

Surekha Jamdar  
Technical Manager



Issued by:

*Shraddha*

Shraddha Kere  
Quality Manager



A Neterwala Group Company

Office & Laboratory : W 408, Kable MIDC, IIC Industrial Area, Navi Mumbai 400 701.

Phone : 72000970 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.

CIN : U74999MH2003PLC142228



Netel (India) Limited

## NOISE MONITORING REPORT

<b>Name of Organization</b> : M/s. Vascon Engineers Ltd.	
<b>Customer Address</b>	: CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002
<b>Customer Reference</b>	: PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office
08.08.2022	
Date	
06:00 - 07:00	64.1
07:00 - 08:00	64.9
08:00 - 09:00	66.3
09:00 - 10:00	68.2
10:00 - 11:00	69.5
11:00 - 12:00	70.5
12:00 - 13:00	68.9
13:00 - 14:00	68.7
14:00 - 15:00	69.5
15:00 - 16:00	69.1
16:00 - 17:00	70.5
17:00 - 18:00	69.7
18:00 - 19:00	71.9
19:00 - 20:00	70.1
20:00 - 21:00	68.5
21:00 - 22:00	67.8
22:00 - 23:00	66.9
23:00 - 00:00	61.7
00:00 - 01:00	63.7
01:00 - 02:00	67.5
02:00 - 03:00	63.8
03:00 - 04:00	59.2
04:00 - 05:00	56.2
05:00 - 06:00	53.4
...	
	Day
$L_{eq}$	69.0
$L_{10}$	70.5
$L_{50}$	69.0
$L_{90}$	66.6
$L_{max}$	71.9
$L_{min}$	64.1
	Night
$L_{eq}$	63.6
$L_{10}$	67.1
$L_{50}$	62.7
$L_{90}$	55.1
$L_{max}$	67.5
$L_{min}$	53.4

Note: All Values in dB(A)

Verified by:

*Amrinder*

Surekha Jamdar  
Technical Manager



Issued by:

*Shradha Kere*

Shradha Kere  
Quality Manager



A Netemwala 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 : ems@netel-india.com  
Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Trackersey Marg, (New Marine Lines), Mumbai - 400 020.

CIN : U74999MH2003PLC142228





Netel (India) Limited

### NOISE MONITORING REPORT

**Name of Organization** : M/s. Vascon Engineers Ltd.

**Customer Address** : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

**Customer Reference** :PO NO :4210012427/1 Dated 02.11.2021

Location		Near Site Office
Date		29.07.2022
Hourly L <sub>eq</sub>	06:00 - 07:00	61.8
	07:00 - 08:00	63.4
	08:00 - 09:00	64.5
	09:00 - 10:00	66.3
	10:00 - 11:00	68.4
	11:00 - 12:00	67.5
	12:00 - 13:00	69.5
	13:00 - 14:00	70.2
	14:00 - 15:00	71.5
	15:00 - 16:00	69.8
	16:00 - 17:00	68.7
	17:00 - 18:00	70.3
	18:00 - 19:00	71.8
	19:00 - 20:00	68.7
	20:00 - 21:00	66.9
	21:00 - 22:00	64.7
	22:00 - 23:00	66.3
	23:00 - 00:00	61.7
	00:00 - 01:00	62.8
	01:00 - 02:00	63.7
	02:00 - 03:00	61.8
	03:00 - 04:00	62.9
	04:00 - 05:00	60.3
	05:00 - 06:00	56.7
	...	
	Day	Night
L <sub>eq</sub>	68.6	62.7
L <sub>10</sub>	70.9	64.5
L <sub>50</sub>	68.6	62.3
L <sub>90</sub>	64.6	58.9
L <sub>max</sub>	71.8	66.3
L <sub>min</sub>	61.8	56.7

Note: All Values in dB(A)

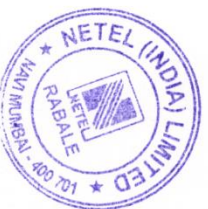
Verified by:

*Surekha Janddar*  
 Surekha Janddar  
 Technical Manager



Issued by:

*Shraddha Kere*  
 Shradha Kere  
 Quality Manager





Netel (India) Limited

### NOISE MONITORING REPORT

**Name of Organization :** M/s. Vascon Engineers Ltd.  
**Customer Address :** CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon. (Building K3) - 400 002  
**Customer Reference :** PO NO :4210012427/1 Dated 02.11.2021

Location		Near Site Office
Date		18.07.2022
Hourly $L_{eq}$	06:00 - 07:00	62.9
	07:00 - 08:00	64.2
	08:00 - 09:00	66.3
	09:00 - 10:00	67.5
	10:00 - 11:00	69.4
	11:00 - 12:00	70.2
	12:00 - 13:00	69.5
	13:00 - 14:00	70.1
	14:00 - 15:00	68.5
	15:00 - 16:00	67.1
	16:00 - 17:00	69.5
	17:00 - 18:00	70.3
	18:00 - 19:00	68.4
	19:00 - 20:00	65.2
	20:00 - 21:00	67.1
	21:00 - 22:00	66.8
	22:00 - 23:00	69.3
	23:00 - 00:00	64.2
	00:00 - 01:00	63.8
	01:00 - 02:00	61.2
	02:00 - 03:00	60.7
	03:00 - 04:00	59.3
	04:00 - 05:00	58.6
	05:00 - 06:00	55.2
	...	
	<b>Day</b>	<b>Night</b>
$L_{eq}$	68.2	63.5
	70.2	65.7
	68.0	61.0
	65.8	57.2
	70.3	69.3
$L_{min}$	62.9	55.2

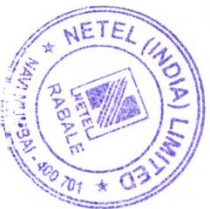
Note: All Values in dB(A)

Verified by:

*Surekha Jambdar*  
 Surekha Jambdar  
 Technical Manager

Issued by:

*Shraddha Kere*  
 Shraddha Kere  
 Quality Manager



A Netenwala 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 : ems@netel-india.com  
 Registered office : Liberty Building, 3rd Floor, Sir Vitthaladas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

CIN : U74999MH2003PLC142228





### NOISE MONITORING REPORT

**Name of Organization :** M/s. Vascon Engineers Ltd.

**Customer Address :** CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

**Customer Reference :** PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office	
Date	13.07.2022	
06:00 - 07:00	62.8	
07:00 - 08:00	64.9	
08:00 - 09:00	65.8	
09:00 - 10:00	69.1	
10:00 - 11:00	70.5	
11:00 - 12:00	71.6	
12:00 - 13:00	71.9	
13:00 - 14:00	69.2	
14:00 - 15:00	67.5	
15:00 - 16:00	65.9	
16:00 - 17:00	67.8	
17:00 - 18:00	68.9	
18:00 - 19:00	70.2	
19:00 - 20:00	69.5	
20:00 - 21:00	68.4	
21:00 - 22:00	66.3	
22:00 - 23:00	63.5	
23:00 - 00:00	64.2	
00:00 - 01:00	62.7	
01:00 - 02:00	58.5	
02:00 - 03:00	53.9	
03:00 - 04:00	71.9	
04:00 - 05:00	68.8	
05:00 - 06:00	66.8	
...		
	<b>Day</b>	<b>Night</b>
<b>Leq</b>	68.8	66.5
<b>L<sub>10</sub></b>	71.1	69.7
<b>L<sub>50</sub></b>	68.7	63.9
<b>L<sub>90</sub></b>	65.4	56.7
<b>L<sub>max</sub></b>	71.9	71.9
<b>L<sub>min</sub></b>	62.8	53.9

Note: All Values in dB(A)

Verified by:

*Surekha Jandkar*

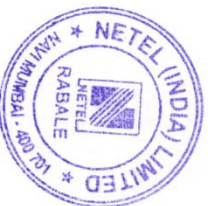
Surekha Jandkar  
Technical Manager



Issued by:

*Shradha Kere*

Shradha Kere  
Quality Manager





Netel (India) Limited

### NOISE MONITORING REPORT

**Name of Organization :** M/s. Vascon Engineers Ltd.

**Customer Address :** CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002

**Customer Reference :** PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office	
Date	04.07.2022	
06:00 - 07:00	63.7	
07:00 - 08:00	65.8	
08:00 - 09:00	67.2	
09:00 - 10:00	69.8	
10:00 - 11:00	70.2	
11:00 - 12:00	69.5	
12:00 - 13:00	67.2	
13:00 - 14:00	69.7	
14:00 - 15:00	70.5	
15:00 - 16:00	70.9	
16:00 - 17:00	69.5	
17:00 - 18:00	71.3	
18:00 - 19:00	70.5	
19:00 - 20:00	69.4	
20:00 - 21:00	68.7	
21:00 - 22:00	67.8	
22:00 - 23:00	65.9	
23:00 - 00:00	63.7	
00:00 - 01:00	62.8	
01:00 - 02:00	63.9	
02:00 - 03:00	62.8	
03:00 - 04:00	61.7	
04:00 - 05:00	60.8	
05:00 - 06:00	54.6	
...		
	<b>Day</b>	<b>Night</b>
<b>Leq</b>	69.2	62.9
<b>L<sub>10</sub></b>	70.7	64.5
<b>L<sub>50</sub></b>	69.5	62.8
<b>L<sub>90</sub></b>	66.6	58.3
<b>L<sub>max</sub></b>	71.3	65.9
<b>L<sub>min</sub></b>	63.7	54.6

Note: All Values in dB(A)

Verified by:

*Surekha Janddar*  
 Surekha Janddar  
 Technical Manager



Issued by:

*Shraddha Kere*  
 Shraddha Kere  
 Quality Manager





### NOISE MONITORING REPORT

Name of Organization : M/s. Vascon Engineers Ltd.  
 Customer Address : CS. No. 662 and 1/662 of Bhuleshwar division for Rehabilitation  
 of metro Line -3, Kalbadevi and Girgaon, (Building K3) - 400 002  
 Customer Reference : PO NO :4210012427/1 Dated 02.11.2021

Location	Near Site Office
Date	22.12.2022
06:00 - 07:00	48.7
07:00 - 08:00	51.7
08:00 - 09:00	53.5
09:00 - 10:00	55.3
10:00 - 11:00	57.2
11:00 - 12:00	61.4
12:00 - 13:00	62.7
13:00 - 14:00	67.5
14:00 - 15:00	66.9
15:00 - 16:00	68.2
16:00 - 17:00	65.3
17:00 - 18:00	62.9
18:00 - 19:00	60.3
19:00 - 20:00	57.2
20:00 - 21:00	52.8
21:00 - 22:00	52.7
22:00 - 23:00	49.3
23:00 - 00:00	50.2
00:00 - 01:00	45.2
01:00 - 02:00	43.1
02:00 - 03:00	44.2
03:00 - 04:00	43.2
04:00 - 05:00	42.5
05:00 - 06:00	47.6
...	
	Day
$L_{eq}$	62.6
$L_{10}$	67.2
$L_{50}$	58.8
$L_{90}$	52.2
$L_{max}$	68.2
$L_{min}$	48.7
	Night
$L_{eq}$	46.6
$L_{10}$	49.6
$L_{50}$	44.7
$L_{90}$	42.9
$L_{max}$	50.2
$L_{min}$	42.5

Note: All Values in dB(A)

Verified by  
*Willie*

Neelima Dalvi  
Authorised Signatory



Issued by:  
*Shraddha*  
Shraddha Kere  
Quality Manager



A Neterwala Group Company

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

CIN : U74999MH2003PLC142228

**Sprinkler of water using water spraying gun**





## Annexure IX - 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.	Complied as per the provision
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.
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.	Adequate measures are being taken
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 available 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. Record maintained in site office.
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.