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BEFORE THE NATIONAL GREEN TRIBUNAL
WESTERN ZONAL BENCH AT PUNE
I.A. NO. 44 OF 2022
IN
APPEAL NO. 76 OF 2017

Dileep Nevatia

...Applicant

Versus

Union of India & Ors.

...Respondents

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...RESPONDENTS

AFFIDAVIT IN REPLY ON BEHALF OF RESPONDENT NO. 8

I, Raj Mhatre, age 46, the legal Manager of Respondent No. 8 abovenamed, having my office at, Hincon House, Lal Bahadur Shastri Marg Vikhroli West, Mumbai 400083 do hereby solemnly state and affirm as under:

1. I have perused the captioned Interim Application served upon me by the Applicant by email dated 26th December 2023. I am well versed with the facts of the case and am able to depose to the same. I am filing the present affidavit for a limited purpose to oppose the grant of any reliefs in the present Application. I reserve my right to file a further detailed affidavit if the need arises and if so advised.
2. At the outset, I submit that this Respondent is not dealing with the contents of the Interim Application by each sentence/statement/allegation, and therefore, nothing which is not

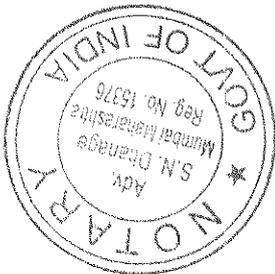


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specifically dealt with herein, should be deemed to have been admitted by this Respondent for the purpose of opposing the present Application.

3. At the outset I say that the present Interim Application is not maintainable on the following grounds which are in the alternative and without prejudice to one another.

A. The Interim Application seeks various reliefs, of which, this Hon'ble Tribunal has stated in its order dated 27th March 2023 that it will limit the present Application only to prayer clause (iii). A copy of the order dated 27th March 2023 is hereto annexed and marked **EXHIBIT A**. The Appeal in which the present Application is filed challenges the CRZ clearance to the coastal road project. This Hon'ble Tribunal has in its order dated 27th March 2023 confirmed that since the matter is pending and sub-judice before the Hon'ble Supreme Court, the appeal cannot be heard. I say that since the Appeal cannot be heard, there is no question of the Interim Application being heard. Given that the entire basis and sub-stratum of the present Application is the Appeal, the present Interim Application cannot be considered independently.



B. I say that the Applicant has assailed the order dated 27th March 2023 before the Hon'ble Supreme Court in Civil Appeal No. 3953 of 2023. By an order dated 5th July 2023, the Hon'ble Supreme Court issued notice and tagged the matter with SLP (Civil) Nos. 17471-17476 of 2019 and other related matters. A copy of the order dated 5th July 2023 is hereto annexed and marked as

EXHIBIT B. I say that therefore since the matter is pending before the Hon'ble Supreme Court, the present Application cannot proceed. The Applicant himself assails the order dated 27th March 2023 by which this Hon'ble Tribunal permitted the hearing of the present Application restricted to prayer clause (iii) therein.

- C. The Hon'ble Tribunal has in its order dated 27th March 2023 more particularly paragraph 33 therein has found that the Applicant himself wants adjudication by the Hon'ble Supreme Court. In this view, the present Application cannot be considered because the Applicant himself has assailed this order before the Hon'ble Supreme Court. In fact, in paragraph 41 of the order dated 27th March 2023, the Applicant has sought stay of the order since he wished to assail the same before the Hon'ble Supreme Court of India. The Applicant has filed a Civil Appeal No. 3953 of 2023, which is sub-judice before the Hon'ble Supreme Court. I say that the present Application cannot be considered or heard since even the Applicant himself wants the matter to be adjudicated by the Hon'ble Supreme Court.



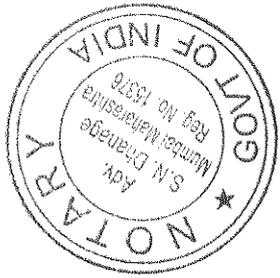
- D. Since the order by which the present Application is scheduled to be heard is itself the subject matter of a Civil Appeal before the Hon'ble Supreme Court, I say that hearing of the present Application cannot be proceeded with at this stage. Therefore, as it stands the Appeal as also the present Application (restricted to prayer clause (iii)) itself is pending adjudication before the Hon'ble Supreme Court not to mention the Applicant himself stating (as recorded in the order dated 27th March 2023) that he

wants the matter to be adjudicated by the Hon'ble Supreme Court. Therefore, I say that the present Application cannot be heard.

E. By the order dated 27th March 2023, this Hon'ble Tribunal directed the Applicant to implead the present Respondent as a party to the present Execution Application. A bare perusal of the so called amended Application will make it clear that the Applicant has merely filed an amended memo of parties by stating the name of the present Respondent in the first page, which is not even the cause title. There is no amendment to the actual cause title. In fact, the present Application (as can be seen from the cause title) itself mentions the present Respondent as a proposed Respondent. None of these averments are deleted. I say that on this ground alone, the present Application ought to be dismissed.

F. I say that the present Application merely avers that since this Respondent is a contractor, it is also liable. I say that not even one specific allegation is preferred against this Respondent and merely by virtue of being a contractor, this Respondent cannot be a party Respondent to the present Application. In such a scenario, I say that the present Application ought to be dismissed outright.

G. I say that the present Application itself mentions that the contractor for the coastal road project is a joint venture known as HCC-HDC Joint venture between this Respondent and HDC India Private Limited. I say that despite the Application seeking to implead HDC India Private Limited as a party Respondent, the same is not yet done. Even according to the Applicant, HDC India Private



Limited is a necessary party. I say that it is impermissible that only one contractor of the project is arrayed as a Respondent and the other contractor is left out. I say that therefore that the present Application ought to be rejected for non-joinder of necessary parties.

- H. I say that in any event, the entire dispute with regard to the coastal road including with regard to permissions, violation of norms pertaining to environment etc. is the subject matter of adjudication before the Hon'ble Supreme Court of India in SLP (Civil) Nos. 17471-17476 of 2019 and other related matters. I say that pending the same, it is improper for the Applicant to urge the present Execution Application.
- I. Lastly, I say that the present Application is in any event infructuous since the coastal road work has been completed and the same will be open to traffic in May 2024. I crave leave to refer to and rely upon press clippings in this regard. I say that since the work on the coastal road is already complete, the present Application is infructuous.



4. Brief facts of the present case which the Applicant has failed to bring on record is detailed hereinbelow.
5. This Respondent is a duly appointed private contractor of Respondent No. 5 (Municipal Corporation of Greater Mumbai, "MCGM") for performing the work of Package-II of the Mumbai Coastal Road Project (South) ("MCRP(S)"), as Design Build Contractor ("DBC"). The contract was awarded to this Respondent by the Respondent No.

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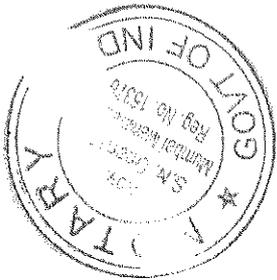
5 under S.C.R. No. 895 dated 25.09.2018 and LOA under No. Ch.E./1099/Coastal Road dated 28.09.2018.

6. On 11.05.2017, the Union of India through Ministry of Environment, Forest and Climate Change, accorded CRZ Clearance to the project "*Coastal Road (South) from Princess Street Flyover to Worli end of Sea Link in Mumbai*", under CRZ Notification, 2011. It was recorded that a Joint Technical Committee (JTC) had recommended on 20.12.2011 that about 35.60 kms of Coastal Road be constructed. The total cost of the Mumbai South project was stated to be approximately Rs. 5303 Crores. The following benefits inter alia were enumerated in the CRZ Clearance letter:

"(xv) Benefits of the project: Improved quality of life by providing easy access to basic services and various products, access to improved health and education facilities, strengthening of economy by easy transportation of various materials of daily use, etc.

"(xvi) The propose coastal road will reduce commuting time by around 70% and fuel saving per day by about 34%. It will also reduce carbon footprint by about 1826 T CO₂ per annum."

7. Soon thereafter, on 03.07.2017, the Appellant filed Appeal No. 76 of 2017 seeking to quash and set aside the CRZ Clearance dated 11.05.2017 issued by Respondent No. 1 to Respondent No. 5, even before the work could commence.



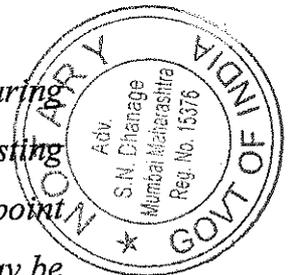
8. On 28.09.2018, this Respondent was awarded Letter of Acceptance ("LOA") under Ref. No. Ch.E./1099/Coastal Road for Package-II of Mumbai Coastal Road Project (South). On 26th November 2018, this Respondent executed the requisite contract with the Respondent No. 5. Clause 17 of the said contract provides for "Noise Monitoring". Besides regular monitoring of the noise, it provided as follows:

"17.10 In no case shall the Contractor expose the public to construction noise levels exceeding 90dBA(slow) or to impulsive noise levels with a peak sound pressure level exceeding 140dB as measured on an impulse sound level meter.

17.11 Limit for construction noise is based on the existing ambient noise levels in areas adjoining the construction sites. If the measured noise levels exceed the noise limits, the noise levels shall be reduced by appropriate abatement measures.

17.12 The noise levels emanating from any source during construction, shall not exceed 10 dB(A) or more above existing ambient pre-construction noise levels when measured at a point outside the premises of the location of source. The same may be varied from time to time by and at the sole discretion of the Engineer.

17.13 The construction activities shall be limited to levels measured at a distance of 200 feet from the construction limits or at the nearest affected building, whichever is closer as given in Table - 4."

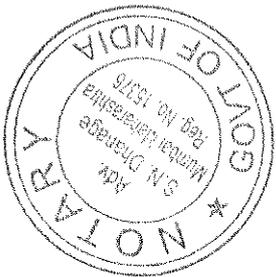


According to Table-4, maximum noise levels in residential areas was 75dB(A) during day time and 65 dB(A) during night time. Cl. 17.14 prescribed the level of 55 dB(A) in residential areas only for interior noise levels of ground bore noise, as measured in the inside of the affected noise sensitive structure. A copy of the contract dated 26.11.2018 between the Respondent No. 5 and this Respondent is annexed herewith and marked as EXHIBIT C.

9. Thus, considering the existing pre-construction ambient noise level in the said area, the noise level with the MCRP(S) construction work was set at 75dB(A) during the day time. The work had accordingly commenced on 16.10.2018.

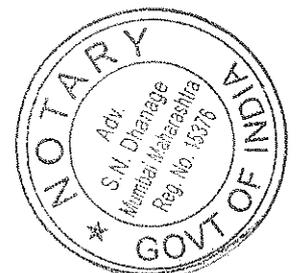
10. On 14.04.2019 and 15.04.2019, Sky Lab, a NABL accredited testing agency approved by the MoEF & CC and the MPCB, had conducted a noise level test at "*Coastal Road, Near VUP Area (Bandra Worli Sea Link)*" and prepared a test report dated 18.04.2019. The day time average noise level was found to be 89.3 dB(A), with main sources of noise being movement of vehicles and sea waves. A copy of noise level test report dated 18.04.2019 prepared by Sky Lab was filed by the Respondent No. 5 as Exhibit B along with its affidavit in reply in IA No. 44/2022 in Appeal No. 76 of 2017, and is also annexed herewith and marked as EXHIBIT D.

11. On 16.04.2019, the Hon'ble Bombay High Court by an interim order in various writ petitions restrained this Respondent and Respondent No. 5 from continuing the work. However, on 06.05.2019, the Hon'ble



Supreme Court in SLP (C) No. 10916/2019 modified the aforesaid order and allowed this Respondent and Respondent No. 5 to continue with the works which had already commenced, till the final disposal of the various writ petitions by the Hon'ble High Court.

12. On 16.07.2019, the Hon'ble Bombay High Court set aside the CRZ Clearance dated 11.05.2017 for construction of Mumbai Coastal Road Project (South). As a result of this order of the Hon'ble Bombay High Court, construction on this project was stopped. Even during this period, however, two noise level monitoring tests were conducted, on 26.08.2019 and on 25.10.2019, near the construction site, on Coastal Road. These test reports were prepared on 07.09.2019 and 06.11.2019. The report dated 07.09.2019 reveals that the average decibel level at the testing site was 66.9dB(A) during night time and 69.9dB(A) during day time, with the maximum decibel level even reaching 110.2dB(A). The report dated 06.11.2019 reveals that the average decibel level at the testing site was 62.2 dB(A) during night time and 68 dB(A) during day time, with a maximum decibel level of 107.9dB(A). Both these reports note that there is "no construction activity" taking place at the site and that the noise is from other sources, including the "General Traffic Movement near the site" and the "flow & collision of sea tides". Thus, the noise level even without any construction activity was well beyond 55dB(A). A copy of noise test reports dated 07.09.2019 and 06.11.2019 are annexed herewith and marked as **EXHIBIT E** and **EXHIBIT F**.



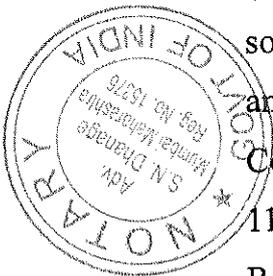
13. On 17.12.2019, the Hon'ble Supreme Court in SLP (C) Nos. 17471-76/2019 permitted the construction work and held as follows:

"... We are of the considered view that the judgment of the High Court needs to be stayed having regard to the factor of balance of convenience; prima facie case and irreparable damage/injury.

The petitioners are free to reclaim the land, build the road thereon and secure the road. ..."

The aforesaid SLPs are still pending before the Hon'ble Supreme Court where the issue of CRZ Clearance dated 11.05.2017 is sub-judice and the continuation of work in the interim has been allowed by the Hon'ble Supreme Court.

14. While things stood thus, the Appellant on 25.04.2022 filed the present IA No. 44 of 2022 in Appeal No. 76 of 2017, alleging that the work being done by this Respondent was causing noise pollution beyond the permissible levels prescribed under the Noise Pollution (Regulation and Control) Rules, 2000 ("**2000 Rules**"). The Appellant sought to implead this Respondent along with few other Respondents and had sought a direction for stay of construction of the Mumbai Coastal Road (South) Project and revocation of CRZ clearance dated 11.05.2017 given by the Respondent No. 1 (Union of India) to the Respondent No. 5 (MCGM) for the MCRP(S) work. Thus, the present IA filed was and is in the teeth of Hon'ble Supreme Court's order dated 17.12.2019 in SLP (C) Nos. 17471-76/2019, pending before the Hon'ble Supreme Court.



15. In the said IA, an interim relief is also sought, as reproduced below:

"(iii) Pending the hearing and final disposal of the present Application, the Respondents be directed to maintain the air quality and noise quality levels for the construction of Mumbai Coastal Road (South) project within the limits specified under the Air (Prevention and Control of Pollution) Act 1974 and the Environment (Protection) Act, 1986, including the Noise Pollution (Regulation and Control) Rules, 2000." (emphasis supplied)

16. On 21.05.2022, this Respondent communicated to the Project Manager that in view of the complaint from the Appellant, it had taken various additional preventive measures against noise pollution, even though it was compliant with the levels prescribed in the RFP. These measures include:

- a. Reduced working hours (Rig machines operating only from 6:30 AM to 10:00 PM, and only concrete activities being done at night within permissible noise limit).
- b. Regular maintenance of equipment.
- c. Installation of moveable noise barriers.
- d. Drilling with roller bit barrels to reduce the noise/vibration and grinding sound while drilling with piling rigs.
- e. Additional Muck Removal arrangement at site which reduces rig knocking sound.



- f. Moveable & fixed Noise Barriers are installed at Site.
- g. Height of noise barriers has been increased to maximum possible limit with due consideration of safety aspects.

A copy of communication dated 21.05.2022 from this Respondent to the Project Manager detailing additional measures undertaken was filed along with the Affidavit in Reply of Respondent No. 5 as Exhibit-D, and is annexed herewith and marked as **EXHIBIT G**. A copy of recent photographs evidencing the above measures taken by this Respondent are annexed herewith and marked as **EXHIBIT H**.

17. Meanwhile, Sky Lab prepared regular noise monitoring reports of the noise at the construction site from April to May 2022, showing the noise levels complying within the limits prescribed by the Respondent No. 5 in the contract. A copy of noise monitoring reports prepared by Sky Lab from 29.04.2022 till 24.05.2022 are annexed herewith and marked as **EXHIBIT I**.

18. The Respondent No. 3 (MPCB) filed an affidavit in reply stating that the officials of MPCB carried out Ambient Air Quality Monitoring and Noise Monitoring in the premises of the Appellant's residence. No explanation was given as to the circumstances under which the said monitoring was carried out. No evidence was provided why the same was carried out of the Appellant's premises. No notice was given to the other Respondents to remain present. No neighbours were given notice though they reside on the same road. The air quality was found to be in compliance with the standards prescribed by the CPCB. The Noise levels were found to be ranging from 68.9 dB(A) to 81.4 dB(A).



Pertinently, the affidavit records that out of 3 drilling machines, one stopped at 9 PM and other two stopped at 10 PM but there was movement of vehicles on the road in front of the Appellant's residence even then. The noise levels were above the prescribed limit throughout and did not change despite the drilling machines having stopped. The noise level was 78.8dB at 6:01 AM, 78.9dB at 9:59 PM, 78.6dB at 2:00 AM and 78.4dB at 9:58 AM the next day. The MPCB affidavit has been reproduced in this Ld. Tribunal's order dated 10.08.2022, which order has since been recalled by order dated 27th March 2023.

19. The Respondent No. 5 (MCGM) filed an Affidavit in Reply on 21.07.2022 stating *inter alia* that even before starting the actual construction activity of MCRP(S), EIA study and a Pre-Construction Noise level survey (Baseline Monitoring Survey) results, showed the noise levels to be exceedingly high beyond permissible limits due to general traffic movement throughout the stretch of the project. It was further stated that regular noise monitoring was being performed at the project which showed that the noise levels were within the contractually stipulated limits. It was further stated that there was construction work going on in a building adjoining the Appellant's residence and traffic movement was causing more noise than the specified limit. Thus, the noise levels could not be attributed solely to the work being carried on by this Respondent. The order is silent on this aspect of what the precise noise level qua the Applicant is. Without prejudice, this Respondent had taken additional measures to further reduce the noise levels. To substantiate its submissions, the



Respondent No. 5 had filed data from 28.05.2022 to 31.05.2022, to show the marginal difference in noise levels recorded before and after the commencement of work on those days, at different sites. Hereto annexed and marked as **EXHIBIT J** are copies of the photographs evidencing noise pollution caused due to traffic movement and due to construction activity being carried adjacent to the residence of the Appellant.

20. The impossibility of this Respondent bringing the noise level within 55 dB(A) is established by regular noise monitoring reports prepared by Sky Lab between 14.08.2022 and 22.08.2022. On 14.08.2022 and 15.08.2022, no work was carried on by this Respondent for MCRP(S) construction, while work was being performed on 20.08.2022 to 22.08.2022. The noise monitoring reports of the noise levels recorded at the construction site on the days when work was not being performed establish that even without any work, the average day-time noise levels were 73.4 dB(A) and 71.2 dB(A). On days when work was performed, the average day-time noise levels recorded were 72.1 dB(A), 70.9 dB(A) and 72.5 dB(A). A copy of noise monitoring reports prepared by Sky Lab from 14.08.2022 to 22.08.2022 are annexed herewith and marked as **EXHIBIT K**.

21. On 23.08.2022, the officials of the Maharashtra Pollution Control Board visited the construction site in compliance with this Ld. Tribunal's order dated 10.08.2022 (which order has since been recalled), and gave the following directions to the Respondent No. 5 (MCGM) and the Applicant herein:



- a. *“The PP shall take adequate control measures to limit the noise pollution, caused due to construction activities at Mumbai Coastal Road Project.”*
- b. *“Noise barriers (acoustic sheets or partitions) of sufficient height shall be provided at construction site to reduce the impact of noise arising out due to various activities of said project”*

A copy of the visit report dated 23.08.2022 issued by the MPCB to MCGM and this Respondent is annexed herewith and marked as **EXHIBIT L.**

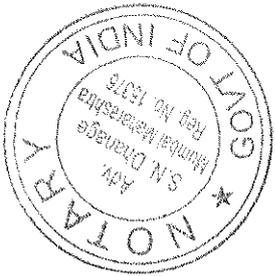


22. On 05.09.2022 and 06.09.2022, Sky Lab conducted another noise monitoring reports at Gate No. 5, near Rig Machine, where Ganpati Visarjan was being done. With the general traffic movement near the site, piling machine working on the site and the Ganpati Visarjan, the average noise level (LEQ) was recorded as 73.6 dB(A) during daytime and 66.8 dB(A) during the night time. This reflects that all possible measures on reducing noise emanating from the MCR(S) project work by the Applicant herein have been taken. A copy of noise monitoring report prepared by Sky Lab from 05.09.2022 to 06.09.2022 is annexed herewith and marked as **EXHIBIT M.**

23. Aggrieved by the Impugned Orders, resulting in directions from the MPCB and possible future adverse actions presuming this Respondent's responsibility for noise levels at the Appellant's house being above 55 dBA during daytime, this Respondent filed a Review Petition seeking a recall of the Impugned Orders, i.e. orders dated

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05.07.2022 and 10.08.2022 passed by this Ld. Tribunal in IA No. 44/2022 in Appeal No. 76 of 2017. The Review Petition was listed before this Ld. Tribunal on 21.09.2022, when this Ld. Tribunal indicated that the correct procedural recourse would be for this Respondent to move an Interlocutory Application for seeking recall of the said orders. Accordingly, the Applicant sought to withdraw the Review Petition with liberty to file an appropriate application in its place. The Ld. Tribunal was accordingly pleased to dismiss the Review Petition as not pressed and grant liberty to move an appropriate application. A copy of the order dated 21.09.2022 passed by this Ld. Tribunal in Review Application No. 06/2022(WZ) in IA No. 44/2022 in Appeal No. 76/2017 (WZ) is annexed herewith and marked as **EXHIBIT N**.



24. Thereafter, this Respondent filed Interim Application No. 159 of 2022, which after an extensive hearing was allowed on 27th March 2023 and consequently the orders dated 05.07.2022 and 10.08.2022 passed by this Ld. Tribunal by recalled.

25. In fact, this Respondent states that the work outside the residence of the Applicant has been completed and no activity is presently undertaken therein. Hereto annexed and marked as **EXHIBIT O** are photographs demonstrating the present status of work completed and the fact that no activity is being carried out outside the residence of the Applicant.

26. Sky Lab conducted daily noise monitoring reports at Gate No. 5 between 26th November 2023 and 25th December 2023. Hereto annexed and marked as **EXHIBIT P** are copies of the daily noise monitoring reports. Sky Lab also conducted daily noise monitoring reports at Green Lawns High School between 26th November 2023 and 25th December 2023. Hereto annexed and marked as **EXHIBIT Q** are copies of the daily noise monitoring reports.

SUBMISSIONS

27. The present Interim Application sought reliefs of stay of construction of Mumbai Coastal Road and revocation of CRZ clearance for the same. Both these issues are pending before the Hon'ble Supreme Court in SLP (C) No. 17471-76/2019 and work has been expressly permitted by the Hon'ble Supreme Court in order dated 17th December 2019. Thus, the reliefs claimed in the application are not maintainable ab initio. This Hon'ble Tribunal has not even touched upon the reliefs claimed in the application which are in contravention of the orders passed by the Hon'ble Supreme Court.



28. I submit that when the final reliefs are not maintainable to begin with, making an interim relief final in nature cannot be permitted.

29. It is respectfully submitted that even before the construction started, the noise levels at the concerned site, where the Appellant has been living for a long time, even before commencement of work were undeniably upwards of 70 dB.

30. The present Application of the Appellant has no pleading on the noise levels before the commencement of work or on days when the work was not carried out. No case is made out even as per pleadings that the noise levels were otherwise within the limits prescribed under the 2000 Rules and were only breached due to the construction work.

31. It was not denied by anyone and rather established by consistent and independent scientific data by the Respondent authorities that the noise levels at the relevant site were well in excess of the prescribed levels in the 2000 Rules, even before the construction work began and even on days when no construction work was carried out and that the construction work only marginally increased the noise level while being strictly within the noise levels contractually stipulated by the Respondent No. 5 (MCGM).



32. The noise monitoring reports of the noise levels recorded at the construction site on the days when work was not being performed establish that even without any work, the average day-time noise levels were well above 55dB(A), specifically, 68 dB(A), 69.9 dB(A), 73.4 dB(A) and 71.2 dB(A). On days when work was performed, the average day-time noise levels recorded were 72.1 dB(A), 70.9 dB(A) and 72.5 dB(A).

33. The readings provided in the reply filed by Respondent No. 3 (MPCB), are relied upon by the Appellant in establishing a breach of the 2000 Rules. However, these readings themselves note that there

was a negligible change in the decibel levels. The noise level was 78.8dB at 6:01 AM, 78.9dB at 9:59 PM, 78.6dB at 2:00 AM and 78.4dB at 9:58 AM the next day, despite one of the drilling machines being stopped at 9:00 PM and the other two drilling machines being stopped at 10 PM. Further, the MPCB's affidavit also recognises that there was movement of vehicles on the road in front of the Appellant's house during the night time.

34. This Respondent has taken all possible measures to reduce the noise pollution from its construction activities. As per the latest available noise monitoring reports from 05.09.2022 and 06.09.2022, despite the Ganpati Visarjan happening on the site and adding to the noise levels in the area, the noise levels recorded were within the contractually stipulated levels and in the range of 72 dB(A) during day time. This means that on normal days, the noise levels at the construction site are even less, even though the limit of 55 dB(A) under the 2000 Rules may not be strictly met. It is further corroborated by the fact that the Appellant has not complained about the noise after the order dated 10.08.2022 was passed, even though the noise levels are still not within the norms under the 2000 Rules.

35. The existing sources of noise pollution as per credible reports include vehicular traffic, construction work in the building adjoining the Appellant's house, sea waves, etc., which are all beyond this Respondent's control. This is only reiterated by the recent ruling of the Ld. NGT (Central Zone) which has, on 23.08.2022, in *Consumer Unity & Trust Society, Jaipur v. State of Rajasthan*, O.A. No. 79/2021

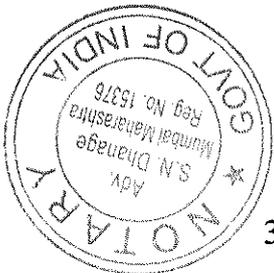


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(CZ), noted how over 70% of the noise pollution in Jaipur is from vehicles, whose horns often exceed 100 decibels. It is humbly submitted that in a densely populated place like Mumbai, especially at a perennially busy place like the Worli sea face, it is natural for the noise level to be above the norms due to traffic movement.

36. I say that this Respondent has, without prejudice, undertaken additional measures to further reduce the noise pollution by reducing working hours, installing moveable noise barriers, using roller bit barrels for drilling, etc.

37. Under Clause 17.13 of the Contract awarded to this Respondent, the relevant standard of noise prescribed by the Respondent No. 5 for this Respondent to follow was 75 dB during day time and 65 dB during night time, in residential areas, with an allowance of up to 10 dB(A) above existing ambient pre-construction noise levels (Cl. 17.12). The maximum threshold is 90 dBA(slow) (Cl. 17.10).



38. The level of 55 dB(A) in residential areas is prescribed only for interior noise levels of ground bore noise, as measured in the inside of the affected noise sensitive structure (Cl. 17.14).

39. As per Cl. 17.11, the limit for construction noise is "*based on the existing ambient noise levels in areas adjoining the construction sites*".

40. In paragraph 7 of the reply filed by Respondent No. 5, the authority has stated that the noise levels were prescribed in the contract / RFP based on EIA study and a Pre-Construction Noise level survey (Baseline Monitoring Survey) that showed that the noise levels were already exceeding limits prescribed in law due to general traffic movement at the stretch of the project.

41. In paragraph 12 of the reply filed by Respondent No. 5, the authority has stated that the construction noise was within permissible limit as per contract conditions and that traffic movement out of barricade area of construction was causing more disturbance/noise than the specified limit.



42. I say that this Respondent was following the decibel limits prescribed in the contract, which had been calculated keeping in mind the ambient noise levels in the surrounding areas prior to the commencement of the works and therefore it cannot be punished for the same by changing the rules in the middle of the game.

43. Besides the above, I say that it is notable that the Appellant had been living in the same place for years with pre-construction noise levels upwards of 70 dB(A), and without any complain to any authority about the same. Thus, having accepted the said noise levels, the applicable limits could only be those as prescribed in the contract which were calculated after considering the existing ambient noise levels, pursuant to EIA and CRZ clearance.

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44. Thus, enforcement of the noise levels prescribed under the 2000 Rules as sought by the Appellant in this case is under a misconception of law and facts.

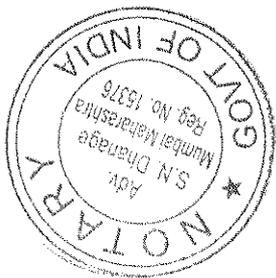
45. I say that the impact of halting the construction work for MCRP(S), besides being in teeth of the Hon'ble Supreme Court's order dated 19.12.2017 in SLP (C) No. 17471-76 of 2019, will be to prevent the public of the benefits, including the environmental benefits, of the Mumbai Coastal Road Project (South).

46. The CRZ Clearance dated 11.05.2017 for the MCRP(S) lists out, inter alia, the following benefits:

"(xv) Benefits of the project: Improved quality of life by providing easy access to basic services and various products, access to Improved health and education facilities, strengthening of economy by easy transportation of various materials of daily use, etc.

"(xvi) The propose coastal road will reduced commuting time by around 70% and fuel saving per day by about 34%. It will also reduce carbon footprint by about 1826 T CO2 per annum."

47. I say that the present IA No. 44 of 2022 in Appeal No. 76 of 2017 is an abuse of process. It is obvious from a *prima facie* reading of the said Application that it is aimed at circumventing and defeating the existing orders of the Hon'ble Supreme Court of India and that the issue of noise pollution as raised by the Appellant is not genuine or bona fide.

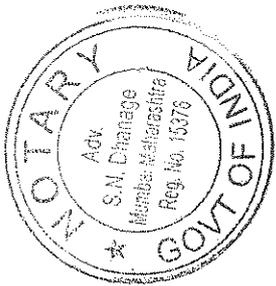


48. The reliefs claimed in the said application filed on 25.04.2022 were to stay the construction of the Mumbai Coastal Road (South) and to direct revocation of the CRZ Clearance dated 11.05.2017. By this time, the work of the coastal road project is complete and the same will be open to vehicular traffic in May 2024.

49. I say that the Appellant had filed Appeal No. 76 of 2017 seeking to quash and set aside the CRZ Clearance dated 11.05.2017 issued by Respondent No. 1 to Respondent No. 5. The Appellant therefore has a prior dispute and issue with the entire project work itself, and noise pollution is not a genuine or bona fide concern.

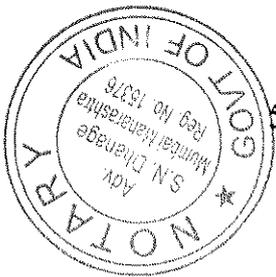
50. The work had started on 16.10.2018. This fact was on record before this Hon'ble Tribunal at paragraph 4 of the Reply Affidavit of Respondent No. 5. Even after few rounds of Court proceedings resulting in the work stopping momentarily, the work did not stop since the Hon'ble Supreme Court's order dated 17.12.2019 in SLP (C) No. 17471-76 of 2019, where the Hon'ble Supreme Court held that the MCGM (Respondent No. 5 herein) "*is free to reclaim the land, build the road thereon and secure the road.*"

51. IA No. 44/2022 was however filed only on 25.04.2022, without explaining how the Appellant was not troubled earlier. Even as per the IA, the Appellant had first complained about noise pollution to the public authorities only in April 2022. The IA at paragraph 5 states that construction had been going on "*since the last many months*".



52. Further, it is submitted that undeniably the noise level at the Appellant's house and adjoining areas has been found to be in excess of the level prescribed in the 2000 Rules, mostly ranging upwards of 70 dB(A) in day time, even before commencement of MCRP(S) work as well as on days when no work has been performed. However, the Appellant has never raised any complaint or concern about the same.

53. Now all of a sudden, Appellant is raising concerns of the noise level on his health. And yet, he has not claimed any relief in the application against noise emanating from vehicular traffic or construction work at an adjoining building, and has instead sought revocation of the CRZ Clearance dated 11.05.2017.



54. No one else from the vicinity of the Appellant has come forward to complain about noise pollution or to oppose the construction work of MCRP(S). In fact, a neighbouring educational institution named Green Lawns School has expressed its satisfaction with the measures taken by this Respondent to reduce noise pollution emanating from its work.

55. It is respectfully submitted that it is a clear and obvious attempt to derail the Mumbai Coastal Road Project (South), purportedly at some other entity's behest, since the Appellant's grievance is not genuine and lacking bona fides.

56. In view of the above, I am not dealing with the contents of the Interim Application by each sentence/statement/allegation and therefore, nothing which is not specifically dealt with herein, should be deemed to have been admitted by this Respondent for the purpose of opposing the present Application. In any case, I reserve my right to file a detailed Affidavit in Reply should the same be required at a later date.

57. Under the circumstances, I say that the present Application ought to be dismissed. I say that in the event the present application is allowed grave irreparable harm, loss and injury will be caused to the present Respondent.



Solemnly affirmed at Mumbai)
This day of January 2024)

OR HINDUSTAN CONSTRUCTION CO. LTD.

[Signature]
AUTHORISED SIGNATORY

Before me,

For M/s. AVP Partners

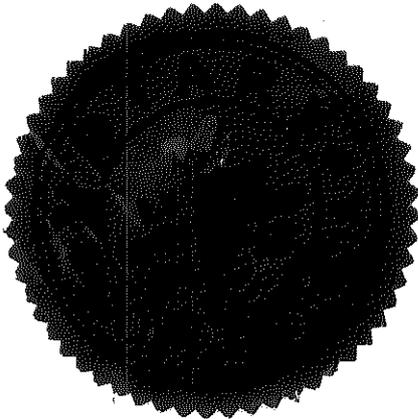
[Signature]
Partner

Advocates for Respondent No. 8

BEFORE ME

[Signature]

Adv. Shivaji N. Dhanage
Notary Govt Of India
Regd. No. 15376 MUMBAI (MS)
404-405, 4th Floor, Davar House,
197/199, Near Central Camera Bldg.
D.N. Road, Fort, Mumbai - 400001.
Mob.: 8591897834



NOTED & REGISTERED

Page No. 3/42 Sr. No. 285

Dated 12 FEB 2024

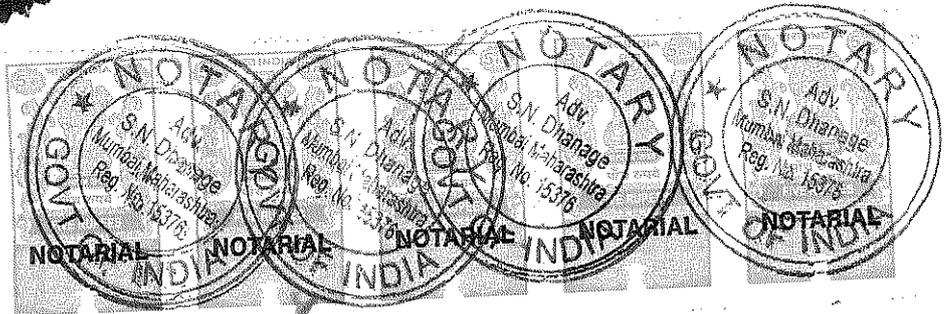


Exhibit **2738**
BEFORE THE NATIONAL GREEN TRIBUNAL
WESTERN ZONE BENCH, PUNE

(Pune Bench)

26

(By Video Conferencing)

INTERLOCUTORY APPLICATION NO.159 OF 2022 (WZ)
IN
APPEAL NO.76 OF 2017 (WZ)

Hindustan Construction Company Applicant

Versus

Union of Indi and Ors. Respondents

CORAM: HON'BLE MR. JUSTICE DINESH KUMAR SINGH, JUDICIAL MEMBER
HON'BLE DR. VIJAY KULKARNI, EXPERT MEMBER

Applicant : Mr. Siddhant Buxy, representing M/s AVP
Partners, Advocate

Respondents : Mr. Rahul Garg, Advocate for R-1
Ms. Manasi Joshi, Advocate for R-3
Mr. Jimmy Pochkhanwala, Advocate for R-5
Respondent No.8 in person

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Reserved on : 21.03.2023

Pronounced on : 27.03.2023

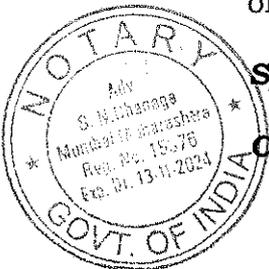
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ORDER

1. This application has been moved by the third party - M/s Hindustan Construction Company Limited with the prayer that the orders dated 05.07.2022 and 10.08.2022 passed by this Tribunal in Interlocutory Application (IA) No.44 of 2022 in Appeal No.76 of 2017 be recalled.

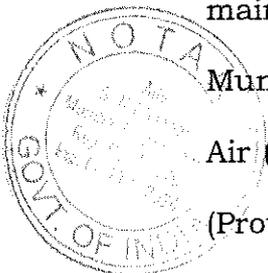
2. In our order dated 05.07.2022, we had observed, from the perusal of the order dated 07.10.2020 passed by the Hon'ble Supreme Court in

Special Leave to Appeal (C) No.17471-17476 of 2019 (Municipal Corporation of Greater Mumbai Vs. Worli Koliwada Nakhwa Matsya



Vyavasay Sahakari Society Ltd & Ors.), it would appear that in the matter of construction of the Mumbai Coastal Road (South) project, the Hon'ble Apex Court has permitted the construction to go ahead. In the present appeal i.e. Appeal No.76 of 2017, challenge has been made by the appellant to CRZ Clearance dated 11.05.2017 granted by respondent No.1 - MoEF&CC to respondent No.5 - MCGM for construction of Mumbai Coastal Road (South) project from Princess Street flyover to Worli and for sea link to Mumbai. It was also observed in the said order by us that the said Project is now pending consideration before the Hon'ble Apex Court and that the Hon'ble Apex Court has already directed the construction to go ahead. Therefore, it would not be proper for this Tribunal to hear the present matter, till the decision of Hon'ble Apex Court.

3. From the side of the appellant (respondent No.8 in present application), it was stated that the construction is being done beyond the area for which the construction was permitted by the Hon'ble Supreme Court. We had expressed our opinion by saying that it was not possible for this Tribunal to demarcate the area as to whether the construction was going on beyond the area for which permission was granted by the Hon'ble Supreme Court or within the permissible area and therefore, out of the six reliefs, which were prayed by the appellant in I.A. No.44 of 2022 moved in said Appeal No.76 of 2017, we had decided to consider only prayer no. (iii) by which the respondents were prayed to be directed to maintain air quality and noise quality level for the construction of Mumbai Coastal Road (South) project within the limits specified by the Air (Prevention and Control of Pollution) Act, 1981 and the Environment (Protection) Act, 1986, including the Noise Pollution (Regulation and Control) Rules, 2000.



4. Thereafter, we had **2740** considered the matter in respect of prayer No.(iii) cited above on the next date i.e. 10.08,2022 and it was held by us that as per the Schedule annexed to the Noise Pollution (Regulation and Control) Rules, 2000, in residential area, in day time noise pollution limit was prescribed to be 55 dB and night time, it was prescribed to be 45 dB and the said level had certainly exceeded in the present case as per the evidence which was placed before us. Hence, we had asked respondent No.3 – MPCB to ensure that the noise pollution was brought within the permissible limit, within three weeks from the date of passing that order, failing which the MPCB was given liberty to proceed against the defaulting agency as per the Rules. 28

5. It is the above mentioned orders passed by us that the third party i.e. Hindustan Construction Company Limited, which is said to be the contractor for execution of the construction work engaged by respondent No.5 – MCGM, is aggrieved and has prayed those orders to be recalled.

6. In the body of the present application (IA No.159/2022), it is submitted that on 11.05.2017, the Union of India through Ministry of Environment, Forest and Climate Change accorded CRZ Clearance to the project “Coastal Road (South) from Princess Street Flyover to Worli end of Sea Link in Mumbai”, under CRZ Notification, 2011. A Joint Technical Committee (JTC) had recommended on 20.12.2011 that about 35.60 kms of coastal road be constructed involving Rs.5303 Crores approximately to be the total cost, which would lead to following benefits :-

“(xv) Benefits of the project: Improved quality of life by providing easy access to basic services and various products, access to improved health and education facilities, strengthening of economy by easy transportation of various materials of daily use, etc.

“(xvi) The propose coastal road will reduce commuting time by around 70% and fuel saving per day by about 34%. It will also reduce carbon footprint by about 1826 T CO2 per annum.”



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7. Soon thereafter on 03.07.2017, respondent No.8 (appellant in Appeal No.76/2017) sought quashing of CRZ Clearance dated 11.05.2017 issued by respondent No.1 to respondent No.5. On 28.09.2018, the present applicant (third party) was awarded Letter of Acceptance (LOA) for Package-II of Mumbai Coastal Road (South) Project, where-after on 26.11.2018, the applicant executed requisite contract with respondent No.5, Clause 17 of which provided for "Noise Monitoring", besides regular monitoring of the noise, which is as follows:-

"17.10 In no case shall the Contractor expose the public to construction noise levels exceeding 90 dBA (slow) or to impulsive noise levels with a peak sound pressure level exceeding 140 dB as measured on an impulse sound level meter.

17.11 Limit for construction noise is based on the existing ambient noise levels in areas adjoining the construction sites. If the measured noise levels exceed the noise limits, the noise levels shall be reduced by appropriate abatement measures.

17.12 The noise levels emanating from any source during construction, shall not exceed 10 dB(A) or more above existing ambient pre-construction noise levels when measured at a point outside the premises of the location of source. The same may be varied from time to time by and at the sole discretion of the Engineer.

17.13 The construction activities shall be limited to levels measured at a distance of 200 feet from the construction limits or at the nearest affected building, whichever is closer as given in Table - 4"

8. It is evident from the above conditions that the applicant was provided to stick to the maximum noise level of 75 dB during day time and 65 dB during night time as per the contract, which is annexed at pages 2498 to 2499 of the paper-book. It is further submitted by the applicant that on 14.04.2019 and 15.04.2019, Sky Lab, a NABL accredited testing agency approved by the MoEF&CC and the MPCB, had conducted a noise level test at "Coastal Road, Near VUP Area (Bandra Worli Sea Link)" and prepared a test report dated 18.04.2019 and found



average level during day time as **2742** 69.3 dB(A) with main sources of noise being movement of vehicles and sea waves. 30

9. It is submitted that on 16.04.2019, the Hon'ble Bombay High Court by an interim order in various writ petitions restrained the applicant and respondent No.5 from continuing the work. However, on 06.05.2019, the Hon'ble Supreme Court in SLP (C) No.10916/2019 modified the aforesaid order and allowed the applicant and respondent No.5 to continue with the works which had already commenced, till the final disposal of various writ petitions by the Hon'ble High Court.

10. On 16.07.2019, the Hon'ble High Court set aside the CRZ Clearance dated 11.05.2017 for construction of Mumbai Coastal Road (South) Project, pursuant to which this project was stopped. Even during this period, two noise monitoring tests were conducted, one on 26.08.2019 and the other on 25.10.2019 near construction site, test reports of which were prepared on 07.09.2019 and 06.11.2019. The report dated 07.09.2019 revealed that the average decibel level at the testing site was 66.9 dB(A) during night time and 69.9 dB(A) during day time, with the maximum decibel level even reaching 110.2 dB(A). The report dated 06.11.2019 revealed that the average decibel level at the testing site was 62.2 dB(A) during night time and 68 dB(A) during day time, with a maximum decibel level of 107.9 dB(A). Both these reports make it clear that there was no construction activity taking place at the site at that time and that the noise was from other sources, which included general traffic movement near the site, besides that, because of flow and collision of sea tides also. Therefore, it was evident that the noise level even without any construction activity was well beyond 55 dB(A). All these reports have been annexed by the applicant with the application.

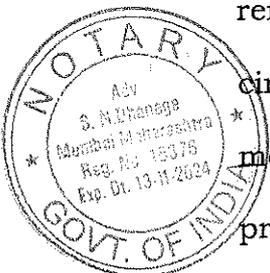


- d. *Drilling with roller bit barrels to reduce the noise/vibration and grinding sound while drilling with piling rigs.*
- e. *Additional Muck Removal arrangement at site which reduces rig knocking sound.*
- f. *Moveable & fixed Noise Barriers are installed at Site.*
- g. *Height of noise barriers has been increased to maximum possible limit with due consideration of safety aspects."*

15. In the meantime, Sky Lab prepared regular monitoring reports of the noise at the construction site from April to May, 2022, showing the noise levels being complied with the limits prescribed by respondent No.5 in the contract, reports of which are also annexed.

16. On 05.04.2022, this Tribunal issued notice in I.A. No.44 of 2022 only with respect to the interim relief, prayed by respondent No.8 regarding direction to be issued to the respondents to maintain the air quality and noise quality level for the construction of Mumbai Coastal Road (South) Project, on the ground that the said matter may not be treated pending before the Hon'ble Apex Court, although the Tribunal did not discuss or gave any reasons for not considering the impleadment of the applicant and other respondents. Therefore the Tribunal erred in considering only an interim relief while holding that final reliefs were not maintainable due to pendency of the matter before the Hon'ble Apex Court.

17. The respondent No.3 - MPCB filed its affidavit wherein it is stated that its officials carried out Ambient Air Quality Monitoring and Noise Monitoring in the premises of the residence of the appellant (present respondent No.8), for which no notice was given to the respondents to remain present nor was any explanation was given as to under what circumstance, the said monitoring was carried out. During that monitoring, the air quality was found to be compatible with the standards prescribed by the Central Pollution Control Board (CPCB) ranging from



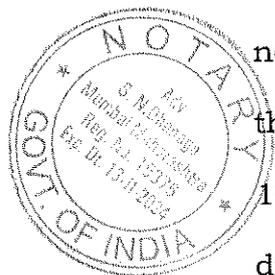
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68.9 dB(A) to 81.4 dB(A). In the said affidavit, it was also recorded by the MPCB that out of three drilling machines, one stopped at 9 PM and other two stopped at 10 PM but there was movement of the vehicles on the road in front of the appellant's house even then, the noise levels were above the prescribed limit throughout and it did not change despite the drilling machines having stopped. The noise levels were recorded as 78.8 dB at 6.01 AM, 78.9 dB at 9.59 PM, 78.6 dB at 2.00 AM and 78.4 dB at 9.58 AM the next day.

18. Respondent No. 5 - MCGM filed reply-affidavit on 21.07.2022 stating therein that even before starting the actual construction activity of Mumbai Coastal Road Project (South), EIA study and a Pre-Construction noise level survey results showed the noise levels to be exceedingly high beyond permissible limits due to general traffic movement throughout the stretch of the project. Regular noise monitoring was being performed at the project which showed that the noise levels were within the contractually stipulated limits. There was construction work going on in a building adjoining the appellant's residence and traffic movement was causing more noise than the specified limit. Therefore, the noise levels could not be attributed solely to the work being carried on by the applicant though precise noise level qua the applicant is not mentioned, yet the applicant has taken additional measures for reducing the noise levels and to substantiate its submissions, respondent No.5 had filed data from 28.05.2022 to 31.05.2022 to show the marginal difference in noise levels recorded before and after the commencement of work on those days on different sites, reports of which are annexed.

19. Further it is submitted that on 10.08.2022, this Tribunal had directed respondent No.3 - MPCB to proceed against defaulting agency by the impugned order if the noise pollution is not brought within the permissible limit within a period of three weeks of the passing of the



from time to time and it is possible that in future, some adverse action may be taken against the applicant wrongly holding it to be responsible for higher noise levels at the appellant's house, above 55 dBA during day-time because of which this application for recall of the impugned orders has been moved. It is also alleged that the impugned orders would amount to violation of natural justice as the same have been passed against the applicant without giving an opportunity of hearing. The impugned orders are passed giving directions beyond the pleadings and reliefs claimed by the applicant.

23. From the side of respondent No.8 (appellant in Appeal No.76/2017), it is submitted opposing the present application that the impugned orders do not require to be recalled as the final order dated 10.08.2022 passed by this Tribunal in I.A. No.44/2022 in Appeal No.76/2017 has been challenged by the answering respondent before the Hon'ble Apex Court in Civil Appeal No.7173 of 2022 and vide order dated 31.10.2022 passed by the Hon'ble Supreme Court in SLP Nos17471-17476 of 2019, it has been directed to issue notice and tag the appeal filed by the answering respondent with SLP(C) Nos.17471-17476 of 2019 which are pending before the Hon'ble Supreme Court.

24. It is submitted by the answering respondent that since the Hon'ble Supreme Court has admitted the appeal filed against order dated 10.08.2022, which is being prayed to be recalled, present prayer cannot be considered by this Tribunal and therefore, I.A. No.44 of 2022 cannot be dismissed as prayed for by the applicant.

25. Because of non-compliance of the order dated 10.08.2022, the answering respondent had to file Execution Application No.9 of 2022. In the said Execution Application, this Tribunal had passed an order on 28.09.2022 whereby the execution applicant was directed to implead all the respondents who were there in Appeal No.76 of 2017 as opposite

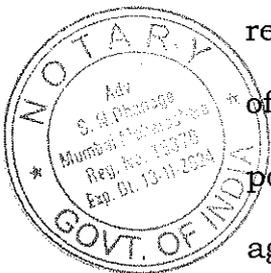


parties. Against order dated 2748 28.09.2022, Execution Applicant filed another Civil Appeal No.8998 of 2022 on various grounds, including the ground that this Tribunal ought to have directed respondent No.3 – MPCB to enforce the law and prosecute the offenders when as per their own test results, breach of noise levels and the air pollution were found. The above Civil Appeal No.8998 of 2022 was heard by the Hon'ble Apex Court on 05.12.2022 and by order of the same date, the Hon'ble Supreme Court left it open to the appellant to seek directions from this Tribunal for enforcing its order and to look into the grievances on the next date of listing. This order is annexed at pages 2707 and 2708 of the paper-book.

26. Even after 28.09.2022, when the Execution Application was first heard, extremely high level of noise was caused by the construction of the project in question but no steps were taken by respondent No.3 – MPB to ensure that the noise pollution was brought under permissible limits, nor did it prosecute the agency as per the Rules.

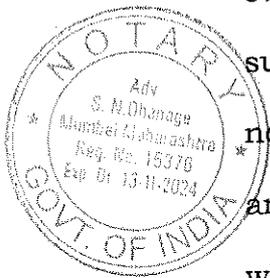
27. On 05.09.2022 to 06.09.2022, the MPCB once again monitored the extremely high noise levels generated by the construction work of Mumbai Coastal Road (South) Project and the copy of the said has been annexed at Annexure A-4, but the MPCB failed to initiate any action against the defaulting agency.

28. The applicant thereafter appointed an accredited agency M/s Mahabal Enviro Engineers Pvt. Ltd. to carry out one more 24-hour Ambient Noise Level Monitoring from the garden and also outside the main gate of his building from 14.9.2022 to 15.9.2022 and the said report re-confirmed that even on those dates i.e. 10 days after MPCB officers carried out the Noise Monitoring, the menace of incessant noise pollution was still continuing. But the MPCB failed to take any action against the defaulting agency. There is no provision under the Environment (Protection) Act, 1986 to provide the offender an opportunity



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of hearing before initiating the prosecution proceedings. Therefore, it is prayed that the application of the applicant should be rejected wherein prayer is made to recall the impugned orders.

29. After having heard the learned counsel for both the parties and having perused the record and impugned orders and all relevant documents, we are of the view that by the impugned orders, particularly order dated 10.08.2022, which directs that respondent No. 3 – MPCB shall ensure that noise pollution is brought within permissible limits within three weeks from the date of passing of the order failing which it shall proceed against defaulting agency as per the Rules, would certainly impact adversely the applicant, who is yet to be impleaded because of being a contractor engaged by respondent No.5 – MCGM to carry out the construction work of the project in question. The applicant has shown an apprehension that though so far the MPCB has not proceeded against it in coercive manner, the possibility cannot be ruled out in future to proceed against it by initiating the prosecution under law because as per the norms of the Noise Pollution (Regulation and Control) Rules, 2000, during day-time, 55 dB level of noise in residential area should be maintained, which is not possible at all because of the kind of construction activity being done by the applicant at the instance of respondent No.5 – MCGM and also looking to the fact that enough evidence has been placed on record before us to the effect that despite no such construction work being done, there existed much higher dB level of noise at the site in question due to other reasons such as vehicular traffic and sea waves. The applicant has also highlighted that the contract which has been awarded to it by respondent No.5 – MCGM also provides that during day-time, 75 dB and during night-time 65 dB level of noise in residential area should be followed, which is already on much higher side than prescribed under the Rules. Therefore, we have to give adequate

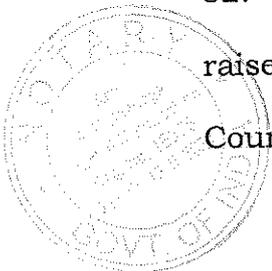


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opportunity to the applicant of being heard and this would necessitate recalling of the impugned orders as against the present applicant. Though we mention here that we have not specifically passed the impugned order against the present applicant, but by implication, the said order may be read to be against the applicant, who is at present a third party.

30. We may also note here that I.A. No.44/2022 was moved by present respondent No.8 (the appellant in Appeal No.76/2017) for impleadment of the present applicant as well as some other respondents, the said relief was not touched by us in view of the matter being pending before the Hon'ble Supreme Court, but we find that at this stage, the impleadment of the present applicant is absolutely necessary because respondent No.8 (appellant in Appeal NO.76/2017) is insisting upon the maintenance of noise level and air pollution level within the limits prescribed in the Rules.

31. As regards objection of respondent No.8 (appellant) that he has already moved the Hon'ble Supreme Court by filing Civil Appeal No.7173 of 2022 against our order dated 10.08.2022, wherein the Hon'ble Supreme Court, vide order dated 31.10.2022, directed to issue notice and tag the said Civil Appeal with SLP (C) Nos.17471-17476 of 2019 , would not mean that it has stopped the proceedings before this Tribunal as there is no stay in operation. Therefore, we can certainly provide opportunity to the applicant of being heard by directing its impleadment in the original Appeal as well as in the Execution Application, by recalling the impugned orders as against the applicant.

32. We have also gone through the questions of law which have been raised by the appellant (present respondent No.8) before the Hon'ble Apex Court in Civil Appeal No. 8998/2022, which are as follows:-



(I) Whether the NGT fell into error by failing to direct any action against the Project Proponent for established breach of noise pollution norms?

(II) Whether the noise pollution limits, as prescribed by the statutory rules, being the Noise Pollution Rules can be altered and increased by way of a contract?

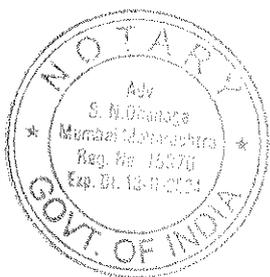
(III) Whether violation of the conditions of the CRZ Clearance is a ground to seek revocation of the CRZ Clearance dated 11.05.2017?

(IV) Whether the NGT was justified in waiting for the decision of this Hon'ble Court in SLP (C) No. 17471-17476 of 2019 when various other grounds of challenge to the CRZ Clearance have been urged by the Appellant which were not urged before the Hon'ble High Court?

(V) Whether the NGT has erred by refusing to answer the question of illegal construction which is also the cause of noise and air pollution on the ground that it is not possible for it to demarcate the area beyond which illegal construction is being carried out?"

33. It is apparent from the above questions raised by the appellant that he wants the Hon'ble Supreme Court to decide whether noise pollution limits can be altered by way of contract by which it appears that he wants to assail the stand taken by respondent No. 5 – MCGM who has executed contract in favour of the present applicant wherein he has provided for the applicant to stick to higher level of noise pollution than prescribed under the Rules of 2000.

34. In the result, this application is allowed. The orders dated 05.07.2022 and 10.08.2022 passed by this Tribunal in I.A. No.44 of 2022 in Appeal No.76 of 2017 are recalled as far as the present applicant is concerned.



35. Respondent No. 2752 (appellant in Appeal No.76 of 2017) is directed to implead the present applicant as respondent in Appeal No.76 of 2017, in I.A. 44 of 2022 and in Execution Application No. 9 of 2022. 40

36. I.A. No. 44 of 2022 is restored to its original position. The present applicant is permitted to submit its objections in I.A. No.44 of 2022.

37. Since the Execution Application No.9 of 2022 has been filed for execution of the order dated 10.08.2022 passed by us in I.A. No.44 of 2022, it would be appropriate for us to hear the said Execution Application after disposal of I.A. No.44 of 2022, after taking on record the stand taken by newly impleaded respondent/present applicant.

38. The Registry is directed to place I.A. No.44 of 2022 before us on 28.03.2023 for hearing on the stand to be taken by the newly impleaded respondent/applicant herein.

39. Present application (I.A. No.159 of 2022) is disposed of accordingly.

40. This order shall be subject to the decision by the Hon'ble Supreme Court in SLP (C) No.17471-17476/2019.

Dinesh Kumar Singh, JM

Dr. Vijay Kulkarni, EM

41. After pronouncement of above order, Respondent No. 8 (appellant in Appeal No7 of 29117), who is present in person today through video conferencing, submits that since he wants to move the Hon'ble Supreme Court against the above order, he prays for



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grant of thirty days' time for placing I.A. No.44 of 2022, which is directed to be placed for hearing on 28.03.2023, by our above order. We direct the Registry to place I.A No. 44 of 2022 for hearing before us on 28.04.2023.

Dinesh Kumar Singh, JM

Dr. Vijay Kulkarni, EM

March 27, 2023
I.A. No.159 OF 2022 (WZ)
npj



Exhibit B
2754
BEFORE THE NATIONAL GREEN TRIBUNAL
WESTERN ZONE BENCH, PUNE

42

(By Video Conferencing)
Appeal No.76/2017 (WZ)
MA No.15/2018(WZ)
IA No.44/2022(WZ)
IA No.70/2022(WZ)

Dileep B.Nevatia

Appellant(s)

Versus

Union of India & Ors.

Respondent(s)

Date of hearing: 05.07.2022.

CORAM: HON'BLE MR. JUSTICE DINESH KUMAR SINGH, JUDICIAL MEMBER
HON'BLE DR. VIJAY KULKARNI, EXPERT MEMBER

Applicant(s): In Person.

Respondent(s) Mr. Rahul Garg, Advocate for R-1
Ms.Manasi Joshi, Advocate for R-2,3,4
Mr. Sameer Khale, Advocate for R-5.

ORDER

1. Applicant- Mr. Dileep B.Nevatia has appeared through the Video Conferencing in person and Learned Counsel Mr. Rahul Gard, for Respondent No.1, Learned Counsel Ms. Manasi Joshi for Respondent Nos. 2 to 4, and Learned Counsel Mr. Sameer Khale for Respondent No.5, are present. Learned Counsel for Respondent No.5 Mr. Sameer Khale has submitted a copy of the Judgment of Hon'ble Apex Court passed in Special Leave to Appeal (C) Nos.17471-17476 of 2019 (Municipal Corporation of Greater Mumbai Vs. Worli Koliwada Nakhwa Matsya Vyavasay Society Ltd & Ors) dated 17-12-2019. The relevant portion of the said order is as below:

"Heard learned counsel for both sides.

We are of the considered view that the judgment of the High Court needs to be stayed having regard to the factor of balance of convenience; prima facie case and irreparable damage/injury.



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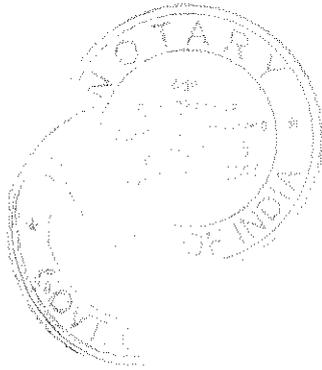
The petitioners are free to reclaim the land, build the road thereon, and secure the road. They shall however not carry out any other development work until further orders of this Court".

He has also filed another copy of the Judgment of Hon'ble Apex Court passed in Special Leave to Appeal (C) Nos.17471-17476 of 2019 (Municipal Corporation of Greater Mumbai Vs. Worli Koliwada Nakhwa Matsya Vyavasay Sahakari Society Ltd & Ors) dated 07-10-2020. The relevant portion of the said order is quoted below:

Xxx xxxx xxx xxx

"Some doubts have been raised about the area over which we have permitted reclamation and development of land vide our earlier order dated d 17.12.2019. We have clearly referred to "the land" which meant the land over which the coastal road project is to be executed and that is 90 hectares. By order dated 17.12.2019, this Court specifically permitted the concerned authorities to construct a road and secure the same thereon. We see no ambiguity which warrants modification/correction of that order."

Xxx xxx xxx xxx



2. A perusal of the order of Hon'ble Apex Court, would show that in the matter of construction of the Mumbai Coastal Road (South) project the Hon'ble Apex Court has permitted the construction to go ahead. In the present Appeal the challenge is made by the Appellant to the CRZ Clearance dated 11.05.2017 granted by Respondent No.1 through the Ministry of Environment, Forest and Climate Change (MoEF & CC) under the CRZ Notification, 2011 to the Municipal Corporation of Greater Mumbai (MCGM)-R-5, for construction of Mumbai Coastal Road Project (South) from Princess Street flyover to Worli and for sea link to Mumbai. During arguments, it emerged that the said project which pertains to the construction Mumbai Coastal Road Project (South) is pending before the Hon'ble Apex Court for consideration and that the Hon'ble Supreme Court has already permitted the construction to go ahead. Hence it would not be proper for this Tribunal to proceed with the hearing in the present matter.

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3. In opposition to that argument of the Respondents, the Appellant states that the construction is going on beyond the area for which the construction permission has been allowed by the Hon'ble Apex Court.

4. We have no means to demarcate the area as to whether the construction is going on beyond the area which has been permitted by the Hon'ble Apex Court. Hence, it is found safer for the Tribunal not to proceed with the hearing in the present Appeal No.76/2017.

5. The Applicant has moved IA No.44/2022 also, wherein the prayer is made as under:

- i) "Allow the instant Application filed by the Applicant herein;
- ii) Add proposed Respondent Nos. 8,9,10 and 11 as party Respondent Nos.8,9,10 and 11 in the proceedings;
- iii) Pending the hearing and final disposal of the present Application, the Respondents be directed to maintain the air quality and noise quality level for the construction of Mumbai Coastal Road (South) project within the limits specified under the Air (Prevention and Control of Pollution) Act, 1974 and the Environment (Protection) Act, 1986, including the Noise Pollution (Regulation and Control) Rules, 2000;
- iv) Stay further construction of Mumbai Coastal Road (South) Project being undertaken under CRZ Clearance dated 11.05.2017;
- v) Direct Respondent No.1 to revoke the CRZ Clearance dated 11.05.2017 granted to Respondent No.5 for the construction of Mumbai Coastal Road (South) Project;
- vi) Pass any such and further order as this Hon'ble may deem fit and proper in the facts and circumstances of the case. "



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6. Out of the above prayers, prayer No.(iii) can be heard, as the said matter may not be treated pending before the Hon'ble Apex Court, but the affidavit which has been filed by the Appellant in this Application on 2nd July, 2022, copy of which has not been provided to the Respondent Nos. 1 to 5 as all of them are present and have stated so. Therefore, the Applicant is directed to provide a copy of the same to the Learned Counsel for the Respondents, and thereafter reply to the same may be filed by the Respondents within 15 days.

Put up for hearing on IA No.44/2022 on 10th August, 2022.

Dinesh Kumar Singh, JM

Dr. Vijay Kulkarni, EM

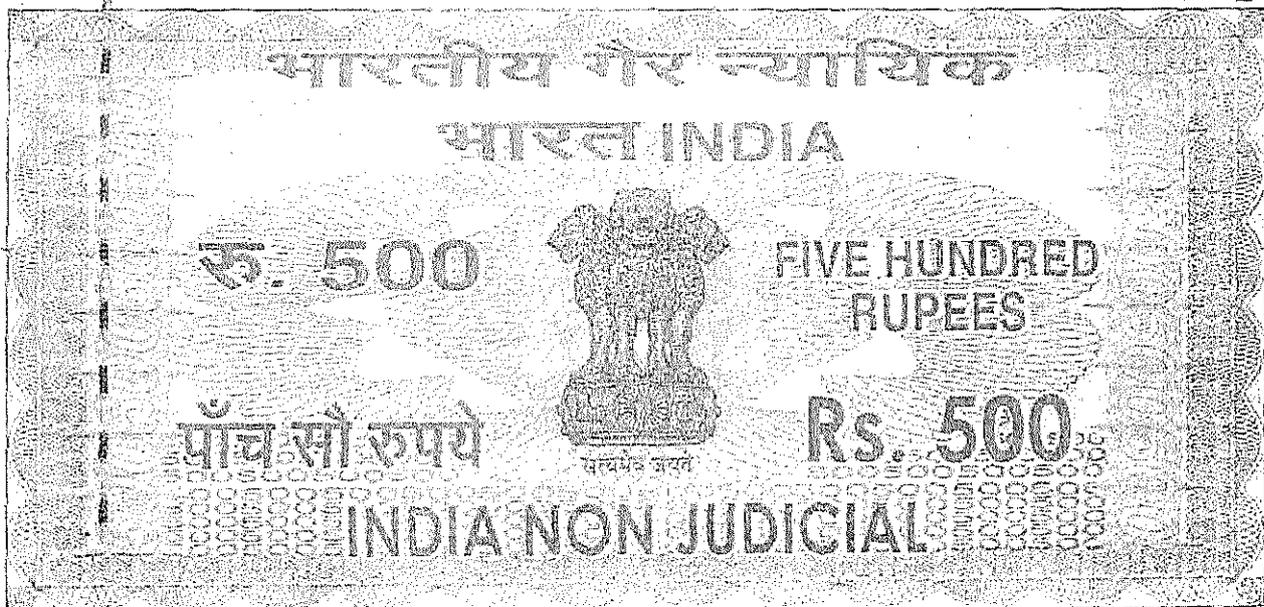
July 05, 2022.
Apl. No.76/2017(WZ)
MA No.15/2018(WZ)
IA No.44/2022(WZ)
IA No.70/2022(WZ) HK



Exhibit C
2758

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महाराष्ट्र MAHARASHTRA

2018

AK 445374

मुद्रांक दिनांक 18/10/2018 दिनांक

31 OCT 2018



जिल्हा बांधागार कार्यालय,

ठाणे

30 OCT 2018

मुद्रांक प्रमुख लिपीक / लिपीक

30-10-2018

स्वरूपाचा प्रकार -

पत्रा नोंदणी करणार आहे का ?

होय/नाही

निष्पत्तीचे पोलिसात नोंदणीकृत Hindustan Construction Co. Ltd.

मुद्रांक दिवस पंजाबाचे मार्गे Hincon House, LBS Marg,

हजे अखत्यार त्याचे नांव, Vikhroli (West),

पत्ता व सधे - Mumbai - 400 088

मुद्रांक शुल्काचे कोट -

मुद्रांक शुल्क रक्कम - 100/500

मुद्रांक विक्रेत्याची नावे - (निव्विन च. बांबरेकर)

मुद्रांक विक्रीचे ठिकाण/गात - मंगल झेड/वेस्ट/वायव्य सेक्टर

मुद्रांक नं. 30, अदासी मार्गे, वर्धापूर ऑगोसिज जवळ, ठाणे (व.) - 400

परवाना मुद्रांक क्रमांक - 9209090

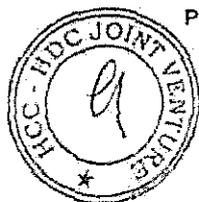
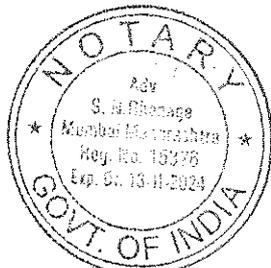
ह्या कारणासाठी कोणी मुद्रांक खरेदी केला त्यांनी त्याच कारणासाठी मुद्रांक खरेदी करणे गरजेचे आहे.

ANNEXURE - 7

CONTRACT AGREEMENT

(Refer Sub-Clause 5.4 of Section II of ITT)

This Agreement is made at Mumbai on the 26th day of November, 2018 between Municipal Corporation of Greater Mumbai (MCGM), Mumbai hereinafter called "the Employer" of the one part and HCC-HDC Joint Venture having registered office at Hincon House, Lal Bahadur Shastri Marg, Vikhroli (West), Mumbai - 400083 hereinafter called "the Contractor" of the other part.



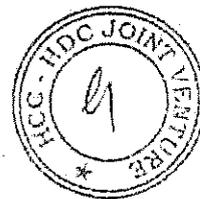
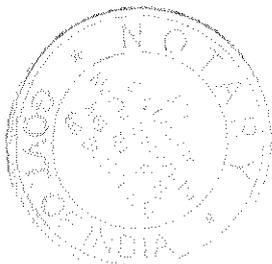
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Whereas the Employer is desirous that the Works should be executed, viz. **Mumbai Coastal Road Project (South) Package – II: Design and Construction Contract For Road, Bridges, Interchanges including Reclamation and Associated Works (Baroda Palace to Worli End of Bandra Worli Sea Link** hereinafter called "the Works" and has accepted a Tender by the Contractor for the execution and completion of such works and the remedying of defects therein. NOW THIS AGREEMENT WITNESSED as follows:

1. In this Agreement words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract Parts I and II hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
 - i) Contract Agreement
 - ii) Letter of Acceptance (LoA)
 - iii) Letter of Clarifications (LoC), if any
 - iv) Addenda to the Tender document, if any
 - v) Notice of Intimation to RFP (NIT)
 - vi) Instructions to Tenderers (ITT)(Including Annexure)
 - vii) Particular Conditions of Contract (PCC)
 - viii) Conditions of Contract for Plant Design–Build contract Part I – FIDIC First Edition 1999 (GCC)
 - ix) Employer's Requirements
 - x) Outline Design Specifications
 - xi) Outline Construction Specifications
 - xii) All RFQ Documents till its last amendments
 - xiii) Safety, Health & Environmental Management Requirements
 - xiv) Quality Assurance Requirements
 - xv) Tender Drawings
 - xvi) Pricing Document
 - xvii) Reference Documents
 - xviii) Contractor's Proposal



- 3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the works in 1461 days from the date of commencement and remedy any defects therein in conformity in all respects with the provisions of the Contract.
- 4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying of defects therein, the Total Contract Price of **INR 21,260,000,000/- (Indian Rupees Two Thousand One Hundred Twenty Six Crores only)** being the sum stated in the letter of acceptance subject to such additions thereto or deductions there from as may be made under the provisions of the Contract at the times and in the manner prescribed by the Contract.

5. OBLIGATION OF THE CONTRACTOR

The Contractor shall ensure full compliance with tax laws of India with regard to this Contract and shall be solely responsible for the same. The Contractor shall submit copies of acknowledgements evidencing filing of returns every year and shall keep the Employer fully indemnified against liability of tax, interest, penalty etc. of the Contractor in respect thereof, which may arise.

6. JURISDICTION OF COURT

For settlement of disputes, the Courts at Mumbai shall have the jurisdiction to try all disputes arising out of this agreement between the parties, as noted in PCC Clause 107.

IN WITNESS WHEREOF the parties hereto have caused their respective Common Seals to be hereunto affixed / (or have hereunto set their respective hands and seals) the day and year first above written

For and on behalf of the Contractor

Signature of the authorized official

Stamp/Seal of the Contractor

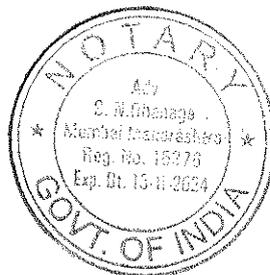


For and on behalf of the Employer

Signature of the authorized official

**Dy. Municipal Commissioner
(Engineering) I/c**

Stamp/Seal of the Employer



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107

4

SIGNED, SEALED AND DELIVERED

By the said



By the said

Name: SANTOSH RAO

Name: _____

Designation: Business Line Head - Transport

Designation: _____

on behalf of the Contractor in the presence of:

on behalf of the Employer in the presence of:

Witness

[Signature]

Witness

[Signature]

Name ABHAY GUHA

Name M.D. Maehwah
(Coastal Road)

Address B-1308, Raj Paradise B wing
Marol Military Road, Andheri (E)
Mumbai - 400051

Address office of the
Chief Engineer (Coastal Road)
Municipal Engineering Hub Building,
3rd Floor, Dr. E. Moses Road,
Worli Naka, Worli, Mumbai 400 018.

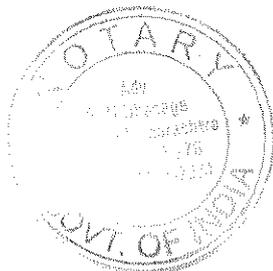
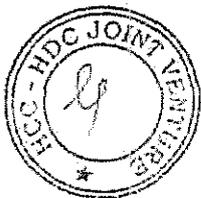
The Common seal of the Municipal Corporation of Greater Mumbai was hereunto affixed on the 25th June 2019.

in the presence of two members of the Standing Committee of the Corporation

- 1.) [Signature] - श्रीम. खानप 1.) _____
- 2.) [Signature] - श्री. वार्धबाणकर 2.) _____

And in the presence of the Municipal Secretary

उपनिषदी
सहायक महानगरपालिका चिटणीस (व)





Sky Lab[®]

Analytical Laboratory



DLR NO: YC051501800000180P

TEST REPORT

Report No.	SAL/PM/46/ HCGM /NM 043	Report Date	18.04.2019
Name & Address of Customer	M/s.HCC-HDC Joint Venture Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India		
Ref.	HCC-HDC JV/MCRP PKG.II/2019-57 Dated: - 25.03.2019		
Date & Time of Monitoring	14.04.2019 (19:00Hrs) to 15.04.2019 (15:00Hrs) (24 Hrs)		
Monitoring Done By	SkyLab		
Monitoring Location	Coastal Road, Near VUP Area, (Bandra Worli sea Link)		

Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
15:00	63.2	97.5	88.3
16:00	88.3	95.7	95.0
17:00	86.0	90.2	94.0
18:00	88.6	96.6	95.7
19:00	92.5	97.8	93.7
20:00	94.5	96.8	95.1
21:00	48.0	94.5	88.8
22:00	57.2	89.5	87.5
23:00	48.3	96.1	84.8
00:00	46.8	89.9	81.7
01:00	43.7	91.4	49.1
02:00	41.0	65.2	46.9
03:00	41.6	86.4	48.9
04:00	41.5	76.0	46.8
05:00	42.9	77.9	49.8
06:00	44.9	92.0	85.1
07:00	50.2	102.1	69.0
08:00	54.6	86.1	64.3

Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
09:00	55.6	94.9	74.8
10:00	54.9	85.8	73.8
11:00	52.2	95.4	73.1
12:00	51.5	94.3	70.3
13:00	50.9	107.9	92.2
14:00	53.9	90.3	92.1

Category Zone	Limits in dB(A) Leq*	
	Day Time Leq dB(A)	Night Time Leq dB(A)
Industrial area	75	70
Commercial area	55	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min. dB(A)	Max. dB(A)	L10	L50	L90	Leq dB(A)
Day Time (06:00 am to 10:00pm)	44.0	107.9	82.3	75.1	70.7	89.3
Night Time (10:00pm to 06:00am)	41.0	96.1	86.3	81.4	48.9	80.8

Method Used: IS 9889: 1981
 Distance from the Source to Noise Meter: 10 to 13 metre Approx.
 Distance from the Receptor to Noise Meter: 25 to 28 metre Approx.
 Activity: Construction Activity (6.00AM TO 9.45 PM)

- 1) Construction Vehicles Movement
- 2) Stone Breaking Works at the site
- 3) Sea waves Noise

Category Area: Commercial Area (By HCGM Mapping)
 Coordinates: Lat 19°0'53.2172" N Long 72°49'1.26228"E

For SKYLAB ANALYTICAL LABORATORY
 KALYAN

Prepared By
 Mrs. Rutuja S. Dalvi
 Admin Coordinator
 1st Floor, Chhatrami Smriti Apartment, Nr. Phadke Road, Opp. Gasran Mahara, Marol Marolli, Kalyan W. 421 301, Dist. Thane, Maharashtra, India

Analyzed By
 G.S. More

AUTHORIZED SIGNATORY



Tel: 2251 2205530 Fax: 2251 2205531. Cell: 8857511968 10 8422929195 141 9970060668
 Email: mails@skylabnvtro.com Website: www.skylabnvtro.com



SKYLAB

ANALYTICAL LABORATORY

- ENVIRONMENTAL TESTING
- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- METALS, CHEMICAL TESTING
- TURNKEY, ENVIRONMENT CONSULTANCY
- SHE AUDIT & TRAINING

ULR NO.TC051501800002846P

AMBIENT NOISE LEVEL MONITORING REPORT

Report No.	SAL/FM/46/ HCCH /NM 0468	Report Date	07.09.2019
Name & Address of Customer	M/s.HCC-HDC Joint Venture Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India		
Ref.	HCC-HDC JV/MCRP PKG.II/2019-57 Dated: - 25.03.2019		
Date & Time of Monitoring	26.08.2019 (13:00Hrs) to 27.08.2019 (13:00Hrs) (24 Hrs).		
Monitoring Done By	Skylab		
Monitoring Location	Coastal Road, Near Main Gate no 1		

Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
13:00	55.0	110.2	77.8
14:00	55.7	80.7	65.3
15:00	51.4	92.6	65.9
16:00	51.5	82.0	66.0
17:00	51.0	88.5	65.6
18:00	52.9	90.8	67.3
19:00	47.8	82.4	63.6
20:00	47.0	88.1	64.1
21:00	45.5	83.5	68.3
22:00	54.6	86.6	61.2
23:00	55.0	80.9	61.8
00:00	55.8	88.9	61.6
01:00	53.6	94.8	62.0
02:00	53.8	94.6	74.9
03:00	36.6	92.1	61.0
04:00	45.3	84.9	51.1
05:00	45.3	86.9	57.9
06:00	45.3	90.9	62.6

Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
07:00	45.2	81.9	61.1
08:00	46.2	82.3	52.3
09:00	45.3	79.9	61.3
10:00	45.5	90.9	66.9
11:00	51.8	110.8	64.5
12:00	54.7	87.7	77.0

Category Zone	Limits in dB(A) Leq*	
	Day Time Leq dB(A)	Night Time Leq dB(A)
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min. dB (A)	Max. dB (A)	L10	L50	L90	LEQ dB(A)
Day Time (06.00 am to 10.00pm)	45.2	110.2	73.9	58.0	52.7	69.9
Night Time (10.00pm to 06.00am)	36.6	94.8	67.4	57.5	53.0	66.9

Method Used :IS 9989: 1981

Distance from the Source to Noise Meter: 18 to 20 mtrs Approx.

Distance from the Receptor to Noise Meter: 15 to 17 mtrs Approx.

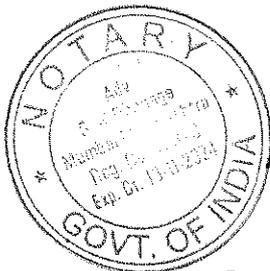
Activity : Construction Activity (6.00AM TO 9.45 PM)

- 1) General Traffic Movement near the site.
- 2) No construction activity & also there is spike in noise due to influence of public interface.
- 3) Continuous sound from flow & collision of sea tides.

Category Area: Commercial Area (By MCGM Mapping)

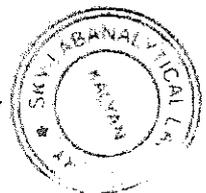
Coordinates: Lat 18°59'56.160" N Long 72° 48' 43.990" E

For SKYLAB ANALYTICAL LABORATORY
KALYAN



Prepared By
Rutuja S. Dalvi
Mrs. Rutuja S. Dalvi
Admin Coordinator

AUTHORISED SIGNATORY



Accredited by NABL as per ISO 17025:2017 Certified by ISO 9001:2015 & OHSAS 18001:2007

Recognized by MoEFCC, Govt. of India, valid from 18.02.2019

1st Floor, Chintamani Smruti, Next to Phadke Hospital, Parnaka, Kalyan (W) 421301, Dist Thane, Maharashtra, INDIA

Mob. No. - 9820386785 / 9867577309 - 312 / 84222929165

Email - mails@skylabenviro.com Website - www.skylabenviro.com

ULR NO: TC051501800003907P

AMBIENT NOISE LEVEL MONITORING REPORT

Report No.	SAL/FM/46/ HCCH /NM 0696	Report Date	06.11.2019
Name & Address of Customer	M/s.HCC-HDC Joint Venture Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India		
Ref.	HCC-HDC JV/MCRP PKG.II/2019-57 Dated: - 25.03.2019		
Date & Time of Monitoring	25.10.2019 (13:00Hrs) to 26.10.2019 (13:00Hrs) (24 Hrs).		
Monitoring Done By	Skylab		
Monitoring Location	Coastal Road, Near Main Gate no 2, (Entry Gate)		

Time (hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
13:00	64.3	90.7	70.3
14:00	64.1	87.7	69.4
15:00	49.5	86.6	67.8
16:00	54.9	94.4	72.1
17:00	66.3	79.5	69.5
18:00	66.5	84.7	70.5
19:00	63.9	87.9	71.1
20:00	63.9	73.2	71.0
21:00	47.0	107.9	70.1
22:00	50.5	89.7	58.5
23:00	53.4	92.2	65.0
00:00	49.6	93.2	62.8
01:00	49.3	88.1	62.4
02:00	44.5	90.0	60.1
03:00	48.7	92.7	64.4
04:00	49.5	94.7	60.9
05:00	49.4	88.8	59.6

Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06:00	46.7	84.4	57.6
07:00	46.8	87.4	59.1
08:00	45.0	99.2	58.5
09:00	45.0	75.2	54.6
10:00	45.0	93.7	54.2
11:00	47.6	102.7	52.3
12:00	45.0	88.2	50.2

Category Zone	Limits in dB(A) Leq	
	Day Time Leq dB(A)	Night Time Leq dB(A)
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min. dB (A)	Max. dB (A)	L10	L50	L90	LEQ dB(A)
Day Time (06.00 am to 10.00pm)	45.0	107.9	67.1	62.1	58.4	68.0
Night Time (10.00pm to 06.00am)	44.5	94.7	68.3	58.6	54.9	62.2

Method Used :IS 9989: 1981
 Distance from the Source to Noise Meter: 18 to 20 m Approx.
 Distance from the Receptor to Noise Meter: 15 to 17 mtrs Approx.
 Activity : Construction Activity (6.00AM TO 9.45 PM)

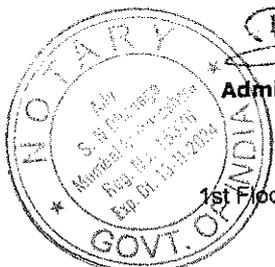
- 1) General Traffic Movement near the site.
- 2) No construction activity & also there is spike in noise due to influence of public interface.
- 3) Continuous sound from flow & collision of sea tides.

Category Area: Commercial Area (By MCGM Mapping)
 Coordinates Lat 18°59'56.16" N Long 72° 48'43.99" E
 Prepared By

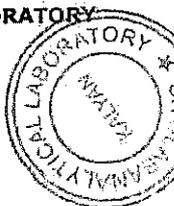
For SKYLAB ANALYTICAL LABORATORY
 KALYAN

AUTHORISED SIGNATORY

Accredited by NABL as per ISO 17025:2017, Certified by ISO 9001:2015 & OHSAS 18001:2007
 Recognized by MoEFCC, Govt. of India, valid from 18.02.2019
 1st Floor, Chintamani Smriti, Next to Phadke Hospital, Parnaka, Kalyan (W) 421301, Dist. Thane, Maharashtra, INDIA.
 Mob. No. - 9820386785 / 9867577309 - 312 / 84222929165
 Email - mails@skylabenviro.com Website - www.skylabenviro.com



[Signature]
 Admin Coordinator



Ref: MCR2-CJV-282-LL-202898

Date: 21-05-2022

To,
The Project Manager,
Egis-CGR JV,
4th Floor, Municipal Printing Press Building,
Byculla West, Mumbai 400027

Project: Mumbai Coastal Road Project (South) Contract Package II
Design and Construction of Road, Bridges, Interchanges including
Reclamation and Associated Works (Baroda Palace to Worli End of Bandra
Worli Sea Link)

Subject: Noise complaint received from Mr Dileep Nevatia

Reference: (1) LOA No: Ch.E./1099/Coastal Road dtd. 28-09-2018
(2) Complaint from Resident I. A. No. 44 of 2022 dtd. 25-04-2022

Dear Sir,

This is in reference to the subject and reference cited at (2) above. The Contractor is timely monitoring the noise level at various location of site and report pertaining to the same is timely submitted to the Engineer for their consent. The Noise level measured by our site personnel near to secant pile area / other site location is recorded. The measurement sheet is timely maintained and verified by the Engineer's personnel [refer Annexure-1]. It is observed from the measurement report that maximum noise level is within the allowable construction noise mentioned in the Contract.

Pursuant to condition of contract (Vol.7: Sec1&2 ENVIRONMENT MANAGEMENT) pg.no. 41, the below standards are to be followed.

- 17.10 In no case shall the Contractor expose the public to construction noise levels exceeding 90dBA(slow) or to impulsive noise levels with a peak sound pressure level exceeding 140dB as measured on an impulse sound level meter.
- 17.11 Limit for construction noise is based on the existing ambient noise levels in areas adjoining the construction sites. If the measured noise levels exceed the noise limits, the noise levels shall be reduced by appropriate abatement measures.
- 17.12 The noise levels emanating from any source during construction, shall not exceed 10 dB(A) or more above existing ambient pre-construction noise levels when measured at a point outside the premises of the location of source. The same may be varied from time to time by and at the sole discretion of the Engineer.
- 17.13 The construction activities shall be limited to levels measured at a distance of 200 feet from the construction limits or at the nearest affected building, whichever is closer, as given in Table - 4.



HCC-HDC Joint Venture

Mumbai Coastal Road Project- Package II, Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli, Mumbai- 400 018

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HCC HDC

Ref: MCR2-CJV-282-LL-202898

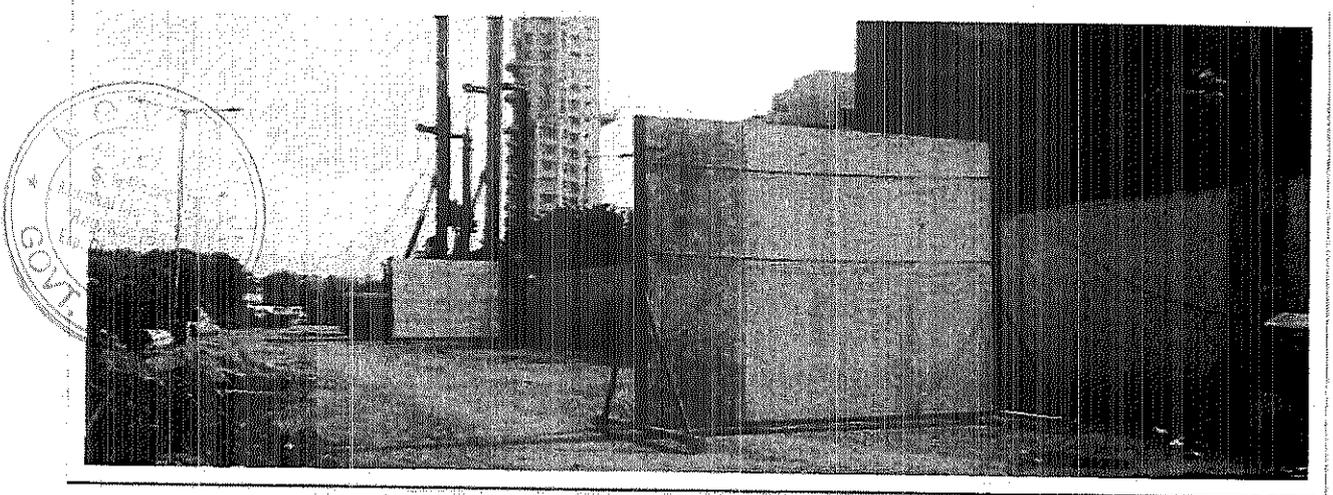
Table-4

Allowable construction noise

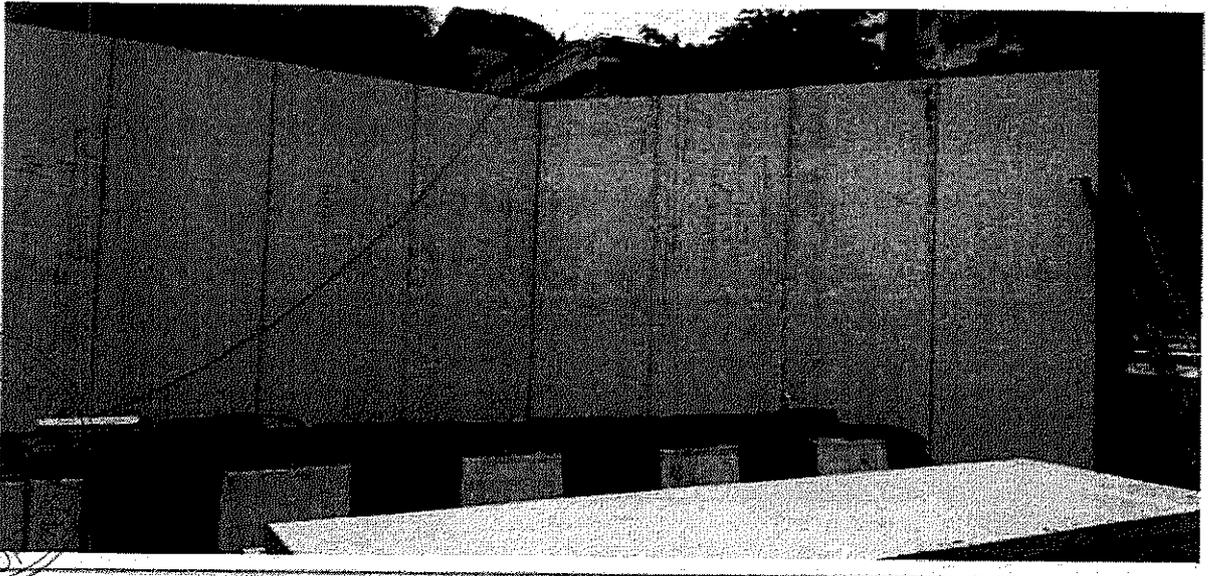
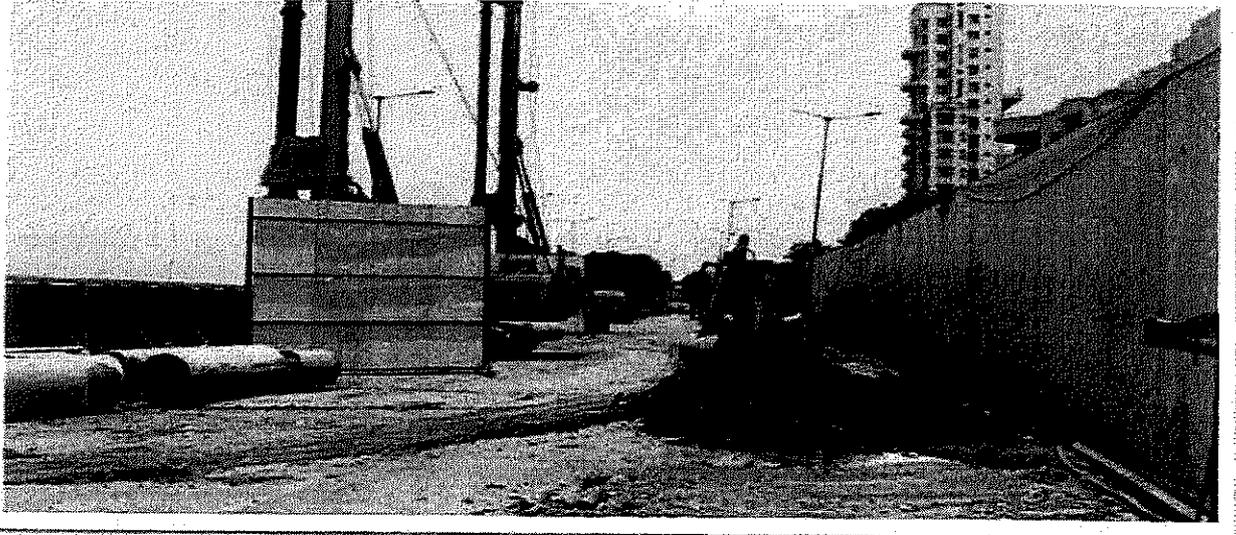
LAND USE	MAXIMUM NOISE LEVELS – L _{max} dB (A)	
	Day Time	Night Time
Residential	75	65
Commercial	At all Times 85	
Industrial	90	

Further citing the complaint by the adjacent building owners the Contractor has taken various additional Preventive measures as under:

1. The Contractor have reduced the Working hours. (We are operating our Rig machines between 6.30 am to 10.00 pm). Only concrete activities are done at night within permissible noise limit.
2. Regular maintenance of equipment's been done.
3. Installation of moveable Noise Barriers [refer below site images].
4. The drilling is being done with roller bit barrels which reduces the noise / vibration & grinding sound while drilling with piling rigs.



Ref: MCR2-CJV-282-LL-202898



Noise barriers placed covering Site premises from nearby environment.

The Contractor herewith enclose following details as Annexure-1 pursuant to subject matter:

1. Conditions of contract with respect to Noise monitoring
2. Noise Monitoring register at site duly signed by PMC
3. Photographs of noise monitors along with calibration certificates.
4. Report from other Agency (M/s Skylab) adjacent to Gate 5 location (Near VUP works)

It is found that the Shashi Deep Building is nearly 30- 60m from site and the reading taken are well within the permissible limits mentioned in the Contract. Further, the Contractor would also like to highlight that, there was request from adjacent Green Law School in Apr-22, which was well addressed by site and school authorities were satisfied with resolution and measures taken by

HCC-HDC Joint Venture

Mumbai Coastal Road Project- Package II, Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli, Mumbai- 400 018

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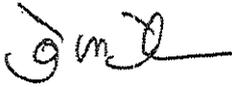
HCC HDC

Ref: MCR2-CJV-282-LL-202898

Contractor. In consideration of the above, the Contractor herewith state that all necessary preventive & corrective action to reduce the Noise levels had been taken at site.

Thanking you and assuring you of our best services at all times.

Yours Faithfully,
For HCC - HDC Joint Venture,



Arvind Singh
Project Manager

Enc.: Annexure-1

CC.: 1. The Chief Engineer, Coastal Road (MCGM)
2. GC- Project Manager (AECOM)



HCC-HDC Joint Venture

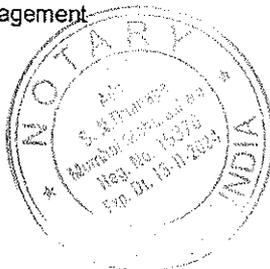
Mumbai Coastal Road Project- Package II, Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli, Mumbai- 400 018

ANNEXURE- 1



17. Noise Monitoring

- 17.1 The activities which are expected to cause noise during the construction include noise from construction equipment, construction activities such as portal construction, earthwork excavation, concreting, removal of spoil, movement of construction vehicles and delivery vehicles travelling to and from the construction and disposal sites etc.
- 17.2 The level of impact of these noise sources depends upon the noise characteristics of the equipment and activities involved the construction schedule, and the distance from noise sensitive receptors.
- 17.3 The Noise Monitoring and Control Plan (NMCP) in contract specific site Environmental Management Plan prepared by the Contractor shall establish procedures to monitor construction noise and determine when to apply measures to control noise pollution due to construction activities at works site.
- 17.4 The NMCP will provide site description, define acceptable noise monitoring equipment, provide monitoring locations and operating procedures for noise equipment and indicate reports and record keeping on noise monitoring data.
- 17.5 The NMCP will provide guidance for construction activity. It shall also address noise performance criteria used in the selection of construction equipment. In defining the requirements of the NMCP, available measures for noise control, such as, the use of equipment with special exhaust silencers or enclosures, and the construction of temporary enclosures or noise barriers around specific construction site activity areas shall be considered.
- 17.6 The NMCP will be reviewed on a regular basis and updated as necessary to assure current construction activities are addressed.
- 17.7 The Engineer shall monitor Contractor's performance of tasks specified, and will inspect necessary records, report and procedures related to the control of noise.
- 17.8 Noise monitoring shall be carried out at noise sensitive receptor locations within 200 feet of the construction site once each week and after a change in construction activity. Construction noise measurements shall coincide with daytime and night-time periods of maximum noise generating construction activities.
- 17.9 The appropriate parameter for measuring construction noise impacts shall be the equivalent A-weighted sound pressure level (L_{eq}) measured in decibels (dB). The two statistical sound levels L_{10} and L_{90} ; the level exceeded for 10 and 90 percent of the time respectively, shall also be recorded during monitoring. The L_{90} may be considered as the ambient level into which the L_{10} as average peak level intrudes. The L_{max} , L_{eq} , L_{10} and L_{90} values will be reported in the noise measurement form along with allowable noise limit. The duration of monitoring shall be on hourly basis for 24hours.



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- 17.10 In no case shall the Contractor expose the public to construction noise levels exceeding 90dBA(slow) or to impulsive noise levels with a peak sound pressure level exceeding 140dB as measured on an impulse sound level meter.
- 17.11 Limit for construction noise is based on the existing ambient noise levels in areas adjoining the construction sites. If the measured noise levels exceed the noise limits, the noise levels shall be reduced by appropriate abatement measures.
- 17.12 The noise levels emanating from any source during construction, shall not exceed 10 dB(A) or more above existing ambient pre-construction noise levels when measured at a point outside the premises of the location of source. The same may be varied from time to time by and at the sole discretion of the Engineer.
- 17.13 The construction activities shall be limited to levels measured at a distance of 200 feet from the construction limits or at the nearest affected building, whichever is closer, as given in Table - 4.

Table-4
Allowable construction noise

LAND USE	MAXIMUM NOISE LEVELS – L _{max} dB (A)	
	Day Time	Night Time
Residential	75	65
Commercial	At all Times 85	
Industrial	90	



- 17.14 The ground borne noise levels within building structures due to tunnel boring machine and any other underground and tunnelling construction activities shall not cause interior noise levels to exceed the levels given below as measured in the inside of the affected noise sensitive structure:

Residential: L_{max} 55 dB(A)
Commercial: L_{max} 60 dB(A)

- 17.14 At the surface of the construction site during night time hours, the Contractor shall use only equipment that operating under full load meets the noise limits specified in Table-5, if a sensitive receptor would be affected.

Table - 5
Noise emission limits for construction equipment measured at 50 feet from construction equipment*



Equipment Category	L _{max} Level dB(A)
Backhoe	80
Bar Bender	75
Chain Saw	81
Compactor	80
Compressor	80
Concrete Mixer	85
Concrete Pump	82
Crane	85
Dozer	85
Front End Loader	80
Generator	82
Gradall	85
Grader	85
Paver	85
Pneumatic Tools	85
Scraper	85
Tractor	84

17.15 The adjustments for close in equipment noise measurement shall be made in accordance with Table - 6.

Table - 6

Adjustments for close in equipment noise measurements
(Measurement Values to be subtracted from Measured Sound)

Distance (Feet)	Level to Estimate Sound Level at 50 Feet dB(A)
19-21	8
22-23	7
24-26	6



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27-29	5
30-33	4
34-37	3
38-42	2
43-47	1
48-50	0

17.16 Should the impact monitoring record noise levels which are:

- indicative of a deteriorating situation such that closer monitoring is reasonably indicated, or
- when in the opinion of the Engineer additional measurements are required in view of deteriorating noise environment,

then, the Engineer may require the Contractor to increase the frequency of impact monitoring at any one or more of the monitoring stations until the results indicate an improving and acceptable level of noise.

17.17 The Contractor shall inform the Engineer of all steps taken to investigate cause of non-conformance and immediate action taken to avoid further occurrences through written reports and proposals for action.

17.18 The Contractor shall submit a copy of monitoring results. The results should represent a statistical evaluation of data for evaluation of trends and comparison with noise emission standards.

17.19 Where the Engineer determines that the recorded Noise level is significantly greater than the acceptable levels, the Engineer may direct the Contractor to take effective remedial measures including, but not limited to, reviewing noise sources and modifying working procedures.

17.20 Protection against the effects of occupational noise exposure should be provided when the sound levels exceed those shown in Table No. 6 below when measured on the A-scale of a standard sound level meter at slow response.

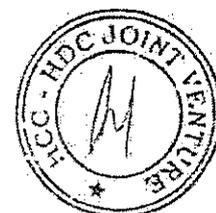
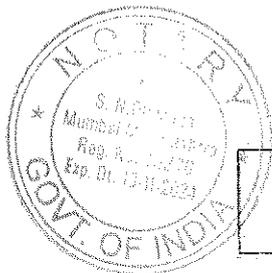
17.21 When employees are subjected to sound levels exceeding those listed in the Table No. 7 feasible administrative or engineering controls should be utilized.

17.22 If such controls fail to reduce sound levels within the levels of the table, personal protective equipment shall be provide and used to reduce sound levels within the levels of the table.

Table - 7

Permissible Noise Exposures

Duration per day, Hours	Sound level (slow Response)
-------------------------	--------------------------------



8	90
6	92
4	95
3	97
2	100
1 ½	102
1	105
½	110
¼ or less	115

17.23 When the daily noise exposure is composed of two or more periods of noise exposure of different levels, their combined effect should be considered, rather than the individual effect of each. Exposure to different levels for various periods of time shall be computed according to the formula as given below.

$$F_e = (T_1/L_1) + (T_2/L_2) + \dots + (T_n/L_n) \text{ where,}$$

F_e = the equivalent noise exposure factor.

T = the period of noise exposure at any essentially constant level.

L = the duration of the permissible noise exposure at the constant level (from Table)

If the value of f exceeds unity (1) the exposure exceeds permissible levels.

17.24 A sample computation showing an application of the above formula is as follows. An employee is exposed at these levels of these periods:

11 dB(A) 1/4 hour.

100 dB(A) 1/2 hour.

90 dB(A) 1/2 hours.

Then,

$$F_e = (1/41/2) + (1/2/2) + (1 \ 1/2/8)$$

$$F_e = 0.500 + 0.25 + 0.188$$

$$F_e = 0.938$$

Since the value of F_e does not exceed unity, the exposure is within permissible limits.

17.25 The vibration level limits at work sites adjacent to the alignment shall conform to permit values of peak particle velocity as given in Table No. 8.

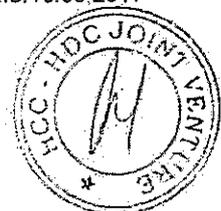


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Table 8
Permitted Values of PPV

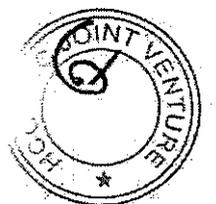
Sl. No.	Condition of Structure	Max. PPV in mm/sec
1.	Most structures in "good condition"	25
2.	Most structures in "fair condition"	12
3.	Most structures in "poor condition"	5
4.	Water supply structures	5
5.	Heritage structures/bridge structures	5

17.26 When Diesel Generator (DG) Sets are used for operation of equipment and machinery, then Ministry of Environment and Forest notification dated 17th May 2002, issued under Environment Protection Act (Protection) Rules, 1986, on noise limits shall apply.



NOISE MONITORING SKY LAB REPORT

FROM: - 09/3/2022 TO
28/04/2022



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SKYLAB

ANALYTICAL LABORATORY

- ENVIRONMENTAL MONITORING
- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC051502100009376F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO. : SAL/FM/58/HCC/NM(21-22-1521)
 REPORT DATE : 09/03/2022
 CUSTOMER REF : SLQ/19-20/HCC/255
 REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(21-22-1521)
 SAMPLING PLAN & METHOD NO. : IS 9989: 1981
 SAMPLING DATE : 28/02/2022 TO 01/03/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Gate No.5
 COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	58.6	79.3	64.1
07.00 to 08.00	56.4	80.7	62.2
08.00 to 09.00	50.0	82.7	62.2
09.00 to 10.00	53.6	80.1	63.4
10.00 to 11.00	52.8	95.6	62.3
11.00 to 12.00	60.8	88.3	65.5
12.00 to 13.00	51.9	102.8	65.0
13.00 to 14.00	59.3	87.2	61.2
14.00 to 15.00	56.4	81.6	62.5
15.00 to 16.00	54.3	83.5	64.2
16.00 to 17.00	59.0	93.7	63.2
17.00 to 18.00	57.2	94.2	64.1
18.00 to 19.00	56.2	91.5	63.7
19.00 to 20.00	59.1	90.2	63.1
20.00 to 21.00	57.3	93.1	64.2
21.00 to 22.00	54.1	95.4	62.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.1	86.9	55.2
23.00 to 00.00	45.8	81.3	55.4
00.00 to 01.00	48.9	74.2	55.5
01.00 to 02.00	43.8	73.7	56.0
02.00 to 03.00	49.3	75.9	56.1
03.00 to 04.00	42.0	79.3	56.0
04.00 to 05.00	46.5	75.2	55.9
05.00 to 06.00	44.3	83.4	57.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

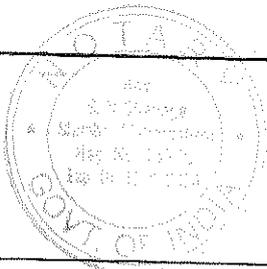
Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L ₀₁	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50	102.8	71.3	63.1	59.7	64.5	63.3
Night Time (22.00 Hrs to 06.00Hrs)	42.0	86.9	65.4	55.7	54.6		55.9

- Note: Construction Activity (6.00AM TO 9.50PM) –
- 1) General Traffic Movement near the site.
 - 2) Construction activity related to Seawall construction.
 - 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
 - 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Valbhav Pawar
 Mr. Valbhav Pawar
 Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
 Mr. S. B. Pansare
 Authorized Signatory

END OF REPORT

1. This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing.
2. This report is confidential & cannot be re-produced in part or full without permission of SKYLAB Analytical Laboratory.
3. Any attempt of forgery or misleading use of this report by any person/organization etc will attract suitable legal action against them by SkyLab Analytical Laboratory.



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 Recognized by MoEFCC, Govt. of India, valid till 08.12.2023
 Add.: 202, CFC - 3, Asmeeta Texpa, Addl. Kalyan - Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi,
 Dist. Thane, Maharashtra, INDIA, Pincode - 421311
 Mob. No. - 9867577309 / 310 / 312 / 9930060058
 Email - mails@skylabenviro.com Website - www.skylabenviro.com

Page 1 of 1

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ANALYTICAL LABORATORY

- ENVIRONMENTAL MONITORING
- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC051502100009386F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(21-22-1539)

REPORT DATE : 14/03/2022

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(21-22-1539)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 04/03/2022 TO 05/03/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Gate No.5

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	52.6	91.5	76.4
07.00 to 08.00	49.2	98.9	69.7
08.00 to 09.00	54.8	78.3	71.7
09.00 to 10.00	57.9	80.6	70.6
10.00 to 11.00	51.6	82.5	70.0
11.00 to 12.00	57.8	77.8	70.8
12.00 to 13.00	55.2	79.6	87.3
13.00 to 14.00	60.2	87.1	58.6
14.00 to 15.00	63.4	93.9	57.4
15.00 to 16.00	62.8	95.1	59.1
16.00 to 17.00	56.3	90.4	59.0
17.00 to 18.00	58.3	85.7	58.0
18.00 to 19.00	48.0	86.9	58.8
19.00 to 20.00	49.3	84.3	58.2
20.00 to 21.00	54.7	93.6	75.2
21.00 to 22.00	58.6	85.5	77.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	47.1	80.1	67.9
23.00 to 00.00	45.8	78.2	58.5
00.00 to 01.00	49.3	77.6	57.9
01.00 to 02.00	48.6	76.3	57.9
02.00 to 03.00	46.5	79.5	58.2
03.00 to 04.00	44.6	82.8	57.9
04.00 to 05.00	40.2	75.1	58.4
05.00 to 06.00	42.3	74.2	58.4

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

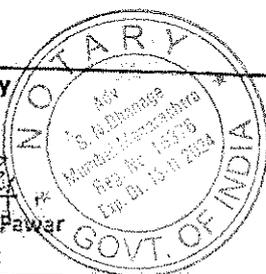
Time	Min.	Max.	L10	L50	L90	L ₉₀	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48	98.9	74.1	62.0	56.6		67.4
Night Time (22.00 Hrs to 06.00Hrs)	40.2	82.8	63.7	58.0	57.0	75.4	59.4

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

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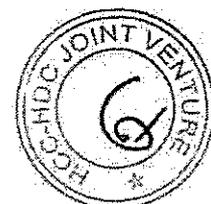
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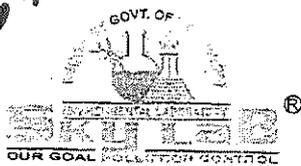
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ULR NO: TC0515021000009396F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(21-22-1558)
REPORT DATE : 16/03/2022
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(21-22-1558)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 07/03/2022 TO 08/03/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Gate No.5

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	50.0	102.6	61.4
07.00 to 08.00	55.9	90.2	57.4
08.00 to 09.00	57.2	93.5	57.5
09.00 to 10.00	59.7	98.6	68.0
10.00 to 11.00	58.9	91.4	66.2
11.00 to 12.00	59.1	96.7	66.3
12.00 to 13.00	61.7	83.7	65.4
13.00 to 14.00	58.6	82.6	65.9
14.00 to 15.00	54.3	96.5	65.5
15.00 to 16.00	56.3	98.3	76.6
16.00 to 17.00	58.2	89.1	67.6
17.00 to 18.00	59.6	90.2	67.1
18.00 to 19.00	62.4	79.9	65.5
19.00 to 20.00	63.5	97.6	65.5
20.00 to 21.00	64.1	90.5	65.3
21.00 to 22.00	62.9	86.9	65.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	56.3	82.6	58.2
23.00 to 00.00	52.1	89.9	57.3
00.00 to 01.00	42.7	85.1	57.4
01.00 to 02.00	45.1	83.2	58.1
02.00 to 03.00	47.6	78.4	65.4
03.00 to 04.00	53.9	74.3	58.7
04.00 to 05.00	55.1	73.9	58.3
05.00 to 06.00	42.7	77.9	57.2

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

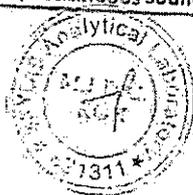
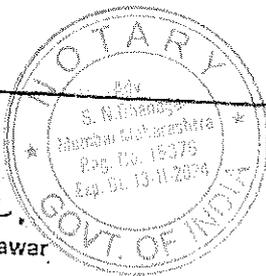
Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{dn}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50	102.6	69.8	63.4	59.6	68.7	65.4
Night Time (22.00 Hrs to 06.00Hrs)	42.7	89.9	62.9	56.3	51.3		58.8

- Note: Construction Activity (6.00AM TO 9.50PM) –
- 1) General Traffic Movement near the site.
 - 2) Construction activity related to Seawall construction.
 - 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
 - 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

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ULR NO: TC0515021.000009406F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(21-22-1602)

REPORT DATE : 21/03/2022

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. : NM(21-22-1602)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 11/03/2022 TO 12/03/2022

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Gate No.5

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	48.6	74.6	60.2
07.00 to 08.00	49.8	72.9	63.5
08.00 to 09.00	51.9	71.9	64.8
09.00 to 10.00	50.6	77.5	63.5
10.00 to 11.00	60.2	84.9	64.2
11.00 to 12.00	58.3	83.5	66.2
12.00 to 13.00	54.6	74.1	68.2
13.00 to 14.00	56.9	85.3	61.5
14.00 to 15.00	62.8	91.3	64.3
15.00 to 16.00	61.5	89.3	66.9
16.00 to 17.00	57.3	95.2	63.5
17.00 to 18.00	54.8	84.6	65.5
18.00 to 19.00	56.4	87.9	66.9
19.00 to 20.00	60.4	81.3	62.8
20.00 to 21.00	59.7	82.9	63.7
21.00 to 22.00	54.6	88.1	65.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	46.3	74.3	56.2
23.00 to 00.00	49.7	73.5	55.2
00.00 to 01.00	50.2	77.9	56.9
01.00 to 02.00	48.7	78.9	52.1
02.00 to 03.00	45.2	71.2	53.8
03.00 to 04.00	47.9	72.4	56.1
04.00 to 05.00	43.6	69.5	52.8
05.00 to 06.00	45.6	70.7	54.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.6	95.2	69.2	64.3	56.7	62.5	63.8
Night Time (22.00 Hrs to 06.00 Hrs)	43.6	78.9	62.5	57.3	50.9		55.8

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

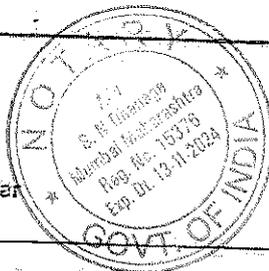
2) Construction activity related to Seawall construction.

3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.

4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist


For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

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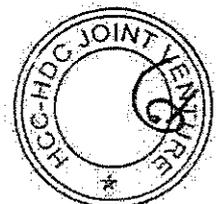
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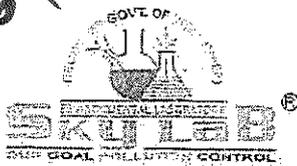
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TC 5150



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ULR NO: TC0515021000009416F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCC/HNM(21-22-1611)
REPORT DATE : 23/03/2022
CUSTOMER REF : SLQ/19-20/HCC/H/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(21-22-1611)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 14/03/2022 TO 15/03/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Gate No.5

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	58.7	77.9	64.0
07.00 to 08.00	61.3	82.3	64.7
08.00 to 09.00	56.2	79.1	65.0
09.00 to 10.00	55.7	82.6	69.2
10.00 to 11.00	63.8	86.1	69.7
11.00 to 12.00	61.7	83.7	69.4
12.00 to 13.00	59.4	89.5	69.4
13.00 to 14.00	57.9	75.3	63.4
14.00 to 15.00	56.3	82.6	63.4
15.00 to 16.00	61.4	85.1	63.6
16.00 to 17.00	64.9	87.3	63.7
17.00 to 18.00	66.2	98.9	64.5
18.00 to 19.00	53.1	75.2	70.0
19.00 to 20.00	51.6	78.9	63.7
20.00 to 21.00	64.7	84.6	63.9
21.00 to 22.00	62.2	88.1	64.1

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	49.6	73.4	48.7
23.00 to 00.00	45.4	66.8	48.9
00.00 to 01.00	47.2	74.5	51.0
01.00 to 02.00	44.9	68.2	54.8
02.00 to 03.00	48.7	71.5	58.8
03.00 to 04.00	43.6	69.7	58.8
04.00 to 05.00	50.1	72.8	54.4
05.00 to 06.00	42.0	70.2	59.1

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Low	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.6	98.9	72.2	65.6	63.1		65.8
Night Time (22.00 Hrs to 06.00Hrs)	42	74.5	62.0	54.1	45.3	66.4	54.2

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

2) Construction activity related to Seawall construction.

3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.

4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist

For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

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ULR NO: TC0515021000009426F

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India	REPORT NO : SAL/FM/58/HCCH/NM(21-22-1644) REPORT DATE : 26/03/2022 CUSTOMER REF : SLQ/19-20/HCCH/255 REF DATE : 12.12.2019
SAMPLE TYPE: SAMPLE REGISTRATION NO. : NM(21-22-1644) SAMPLING PLAN & METHOD NO. : IS 9989: 1981 SAMPLING DATE : 17/03/2022 TO 18/03/2022	AMBIENT NOISE LEVEL MONITORING SAMPLE COLLECTED BY : SKYLAB SAMPLE LOCATION : Gate No.5 COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	51.6	78.4	65.9
07.00 to 08.00	54.3	73.5	65.9
08.00 to 09.00	58.1	76.8	66.0
09.00 to 10.00	57.6	83.5	69.2
10.00 to 11.00	64.8	89.7	69.7
11.00 to 12.00	63.7	88.3	69.4
12.00 to 13.00	58.7	86.1	69.4
13.00 to 14.00	64.3	79.3	65.4
14.00 to 15.00	59.7	75.1	65.4
15.00 to 16.00	62.4	76.8	65.6
16.00 to 17.00	60.1	80.4	65.7
17.00 to 18.00	65.8	98.9	66.4
18.00 to 19.00	58.1	78.5	70.0
19.00 to 20.00	59.6	75.3	65.7
20.00 to 21.00	56.7	77.9	65.9
21.00 to 22.00	55.8	73.2	65.7

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	43.8	74.4	54.5
23.00 to 00.00	50.6	78.6	54.4
00.00 to 01.00	47.3	82.5	54.9
01.00 to 02.00	44.2	76.9	54.9
02.00 to 03.00	46.9	70.5	65.3
03.00 to 04.00	48.7	71.9	65.4
04.00 to 05.00	45.8	72.4	54.9
05.00 to 06.00	43.0	69.5	66.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

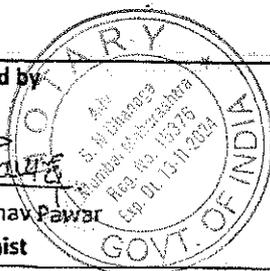
Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{eq}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.6	98.9	72.5	66.8	64.1	69.6	67.0
Night Time (22.00 Hrs to 06.00Hrs)	43	82.5	63.7	57.5	53.2		58.8

- Note: Construction Activity (6.00AM TO 9.50PM) –
- 1) General Traffic Movement near the site.
 - 2) Construction activity related to Seawall construction.
 - 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
 - 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

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ULR NO: TC0515021000009436F

TEST REPORT**NAME & ADDRESS OF CUSTOMER:**

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO. : SAL/FM/58/HCCH/NM(21-22-1649)
REPORT DATE : 26/03/2022
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(21-22-1649)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 21/03/2022 TO 22/03/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Gate No.5

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	55.7	79.5	64.9
07.00 to 08.00	63.8	84.1	65.0
08.00 to 09.00	59.1	82.9	65.0
09.00 to 10.00	57.8	78.5	69.1
10.00 to 11.00	59.4	81.4	70.0
11.00 to 12.00	63.5	87.9	69.4
12.00 to 13.00	58.3	91.6	69.4
13.00 to 14.00	66.3	88.7	64.4
14.00 to 15.00	59.7	82.5	64.4
15.00 to 16.00	61.2	87.3	64.6
16.00 to 17.00	63.1	78.4	64.7
17.00 to 18.00	65.8	95.9	65.4
18.00 to 19.00	54.7	90.2	70.0
19.00 to 20.00	48.6	74.8	64.7
20.00 to 21.00	62.5	87.9	64.9
21.00 to 22.00	60.3	86.4	64.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	49.6	75.6	54.5
23.00 to 00.00	45.4	66.8	54.6
00.00 to 01.00	47.2	78.5	54.7
01.00 to 02.00	44.9	68.2	55.0
02.00 to 03.00	48.7	74.5	60.7
03.00 to 04.00	43.6	69.7	60.7
04.00 to 05.00	50.1	72.8	55.0
05.00 to 06.00	43.0	70.2	60.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{0N}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.6	95.9	72.0	66.1	63.4	67.3	66.3
Night Time (22.00 Hrs to 06.00 Hrs)	43	78.5	63.4	56.8	52.3		56.7

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

2) Construction activity related to Seawall construction.

3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.

4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist

For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

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Email - mails@skylabenviro.com Website - www.skylabenviro.com

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- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC0515021000009446F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(21-22-1682)
REPORT DATE : 29/03/2022
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(21-22-1682)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Gate No.5
COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

SAMPLING DATE : 25/03/2022 TO 26/03/2022

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	52.6	80.2	66.3
07.00 to 08.00	58.3	85.6	64.1
08.00 to 09.00	63.5	90.4	65.3
09.00 to 10.00	64.3	93.5	66.1
10.00 to 11.00	66.2	98.7	63.9
11.00 to 12.00	59.3	89.4	65.8
12.00 to 13.00	54.8	87.3	61.4
13.00 to 14.00	57.3	82.5	58.3
14.00 to 15.00	52.6	84.1	59.7
15.00 to 16.00	53.9	86.3	68.3
16.00 to 17.00	51.4	78.9	71.4
17.00 to 18.00	60.8	76.5	72.9
18.00 to 19.00	62.1	79.2	66.5
19.00 to 20.00	63.9	80.7	63.2
20.00 to 21.00	59.8	82.6	61.5
21.00 to 22.00	61.7	83.7	64.8

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	45.3	73.6	46.2
23.00 to 00.00	49.3	70.2	49.2
00.00 to 01.00	52.6	66.5	52.7
01.00 to 02.00	50.8	69.8	56.3
02.00 to 03.00	46.5	71.4	47.3
03.00 to 04.00	44.2	74.8	51.2
04.00 to 05.00	47.6	66.8	50.9
05.00 to 06.00	45.8	75.7	54.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

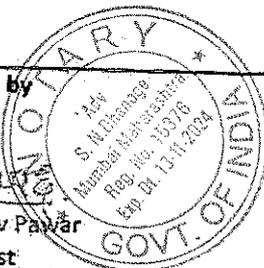
Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.4	98.8	74.2	65.4	58.8	70.3	66.8
Night Time (22.00 Hrs to 06.00Hrs)	44.2	75.7	64.6	57.3	50.4		58.1

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

 Mr. Vaibhav Pawar
 Chemist


For SKYLAB ANALYTICAL LABORATORY

 Mr. S. B. Pansare
 Authorized Signatory

END OF REPORT

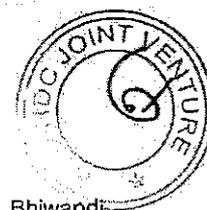
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ULR NO: TC0515021000010104F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCC/NM(21-22-1724)

REPORT DATE : 06/04/2022

CUSTOMER REF : SLQ/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. : NM(21-22-1724)

SAMPLING PLAN & METHOD NO. : IS 9989:1981

SAMPLING DATE : 28/03/2022 TO 29/03/2022

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Gate No.5

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	49.6	82.7	69.1
07.00 to 08.00	55.7	84.1	69.2
08.00 to 09.00	62.8	89.6	69.7
09.00 to 10.00	59.1	90.1	69.6
10.00 to 11.00	63.8	93.8	69.6
11.00 to 12.00	61.5	85.4	69.6
12.00 to 13.00	56.3	87.9	69.6
13.00 to 14.00	63.9	82.5	65.4
14.00 to 15.00	62.1	87.6	65.4
15.00 to 16.00	57.8	78.1	65.6
16.00 to 17.00	64.5	84.3	65.7
17.00 to 18.00	60.3	100.9	66.5
18.00 to 19.00	59.1	80.9	70.1
19.00 to 20.00	63.2	77.6	65.7
20.00 to 21.00	60.4	79.2	65.9
21.00 to 22.00	59.7	88.1	69.1

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.2	76.3	55.3
23.00 to 00.00	49.8	74.2	53.8
00.00 to 01.00	44.5	78.5	59.7
01.00 to 02.00	47.2	73.5	56.4
02.00 to 03.00	48.9	72.9	57.1
03.00 to 04.00	45.8	75.8	58.7
04.00 to 05.00	43.6	68.5	53.9
05.00 to 06.00	41.0	65.4	56.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	49.6	100.9	73.6	67.7	6.1	68.5	67.9
Night Time (22.00 Hrs to 06.00Hrs)	41	78.5	-62.3	55.2	50.7		56.5

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

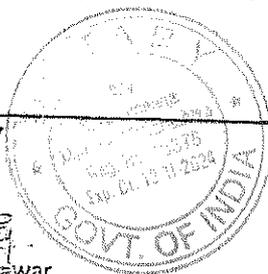
2) Construction activity related to Seawall construction.

3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.

4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist


For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

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SALAC2212020906901

ULR NO: TC0515021000010114F

TEST REPORT**NAME & ADDRESS OF CUSTOMER:**

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(21-22-1743)
REPORT DATE : 09/04/2022
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(21-22-1743)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Gate No.5

SAMPLING DATE : 31/03/2022 TO 01/04/2022

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	47.6	77.5	69.2
07.00 to 08.00	57.6	81.9	69.3
08.00 to 09.00	60.1	84.6	69.3
09.00 to 10.00	58.9	91.7	69.4
10.00 to 11.00	51.3	90.5	69.7
11.00 to 12.00	54.3	82.7	69.6
12.00 to 13.00	58.6	83.6	69.6
13.00 to 14.00	62.1	86.3	61.4
14.00 to 15.00	60.8	85.4	61.4
15.00 to 16.00	61.2	75.9	61.6
16.00 to 17.00	62.4	81.7	61.8
17.00 to 18.00	63.8	96.9	62.5
18.00 to 19.00	57.3	83.2	70.1
19.00 to 20.00	61.7	78.1	61.8
20.00 to 21.00	62.9	84.3	62.0
21.00 to 22.00	54.2	89.7	69.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	51.2	78.6	56.3
23.00 to 00.00	44.8	75.2	55.8
00.00 to 01.00	48.3	82.5	54.3
01.00 to 02.00	46.2	77.2	57.8
02.00 to 03.00	49.1	74.3	55.9
03.00 to 04.00	47.3	73.9	53.1
04.00 to 05.00	43.0	70.8	57.3
05.00 to 06.00	45.6	72.4	54.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

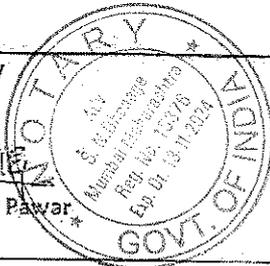
Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	47.6	96.9	72.3	65.9	62.3		66.1
Night Time (22.00 Hrs to 06.00Hrs)	43	82.5	62.3	55.2	50.7	67.5	56.5

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

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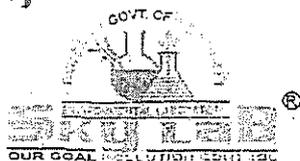
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- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC0515022000000132F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(22-23-0013)
REPORT DATE : 13/04/2022
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:
AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : NM(22-23-0013)

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLE LOCATION : Gate No.5

SAMPLING DATE : 04/04/2022 TO 05/04/2022

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	46.6	86.3	69.3
07.00 to 08.00	58.1	82.5	69.3
08.00 to 09.00	63.2	93.5	69.3
09.00 to 10.00	61.9	92.4	69.4
10.00 to 11.00	59.7	89.7	69.7
11.00 to 12.00	61.5	88.2	69.6
12.00 to 13.00	62.8	84.6	69.6
13.00 to 14.00	60.2	78.6	60.4
14.00 to 15.00	59.3	84.3	60.4
15.00 to 16.00	62.5	81.9	60.6
16.00 to 17.00	57.4	80.2	60.8
17.00 to 18.00	63.9	95.9	61.6
18.00 to 19.00	58.1	77.3	70.2
19.00 to 20.00	60.1	79.1	60.8
20.00 to 21.00	56.4	83.9	61.1
21.00 to 22.00	55.3	90.1	69.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	43.0	72.6	58.6
23.00 to 00.00	47.5	76.8	60.7
00.00 to 01.00	45.7	83.5	54.3
01.00 to 02.00	44.8	74.6	52.1
02.00 to 03.00	49.6	79.3	56.1
03.00 to 04.00	46.8	77.1	54.5
04.00 to 05.00	50.2	81.7	55.9
05.00 to 06.00	48.4	70.9	57.2

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	46.6	95.9	72.0	64.5	60.4	67.2	65.7
Night Time (22.00 Hrs to 06.00Hrs)	43	83.5	64.3	57.2	52.4		54.5

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist

For SKYLAB ANALYTICAL LABORATORY

Mr. S. S. Pansare
Authorized Signatory

END OF REPORT

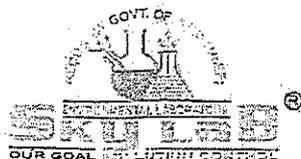
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Dist. Thane, Maharashtra, INDIA, Pincode - 421311
Mob. No. - 9867577309 / 310 / 312 / 9930060058
Email - mails@skylabenviro.com Website - www.skylabenviro.com

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- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC0515022000000142F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCC/HNM(22-23-0050)
REPORT DATE : 18/04/2022
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(22-23-0050)
SAMPLING PLAN & METHOD NO. : IS 9989:1981

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Gate No.5-Nr Ring Machine
COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

SAMPLING DATE : 08/04/2022 TO 09/04/2022

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	54.7	84.5	69.3
07.00 to 08.00	50.6	86.7	69.4
08.00 to 09.00	62.7	93.1	69.7
09.00 to 10.00	56.3	83.5	69.6
10.00 to 11.00	53.7	78.6	69.6
11.00 to 12.00	63.8	80.5	69.6
12.00 to 13.00	62.9	87.4	59.6
13.00 to 14.00	63.5	90.7	58.4
14.00 to 15.00	58.7	93.6	58.4
15.00 to 16.00	63.8	95.5	58.6
16.00 to 17.00	57.4	88.3	58.8
17.00 to 18.00	59.1	92.5	59.6
18.00 to 19.00	62.7	89.7	70.2
19.00 to 20.00	64.5	100.9	58.8
20.00 to 21.00	66.9	95.4	59.1
21.00 to 22.00	56.3	91.7	69.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	48.6	80.2	56.3
23.00 to 00.00	50.1	88.5	55.8
00.00 to 01.00	52.9	84.2	54.3
01.00 to 02.00	47.3	79.3	57.8
02.00 to 03.00	46.5	77.9	55.9
03.00 to 04.00	44.0	70.1	53.1
04.00 to 05.00	49.1	75.2	57.3
05.00 to 06.00	45.8	71.8	54.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

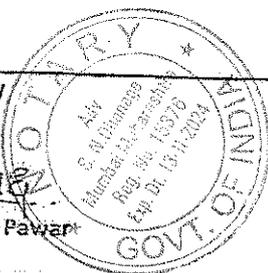
Time	Min.	Max.	L10	L50	L90	L ₉₀	1EQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50.6	100.9	72.3	64.7	61.3	69.7	64.9
Night Time (22.00 Hrs to 06.00 Hrs)	44.0	88.5	61.8	53.7	48.6		53.9

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

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TC 5150

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- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC0515022000000152F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCC/H/NM(22-23-0055)
REPORT DATE : 20/04/2022
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:

AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : NM(22-23-0055)
SAMPLING PLAN & METHOD NO. : IS 9989:1981
SAMPLING DATE : 11/04/2022 TO 12/04/2022

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Gate No.5-Nr Ring Machine
COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	52.9	74.9	64.1
07.00 to 08.00	48.1	70.7	64.7
08.00 to 09.00	61.7	85.2	65.2
09.00 to 10.00	58.4	80.1	69.8
10.00 to 11.00	59.1	86.2	81.1
11.00 to 12.00	63.2	88.1	69.3
12.00 to 13.00	60.7	89.8	71.0
13.00 to 14.00	57.3	78.4	69.4
14.00 to 15.00	60.2	85.8	64.9
15.00 to 16.00	62.3	87.3	64.3
16.00 to 17.00	64.8	90.1	65.4
17.00 to 18.00	60.1	93.5	64.9
18.00 to 19.00	62.8	98.9	69.3
19.00 to 20.00	61.7	90.5	69.6
20.00 to 21.00	57.6	84.7	65.6
21.00 to 22.00	54.2	72.8	65.4

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	46.3	70.2	61.5
23.00 to 00.00	50.7	74.7	57.9
00.00 to 01.00	48.3	67.5	54.0
01.00 to 02.00	44.2	62.8	56.5
02.00 to 03.00	42.7	68.9	57.0
03.00 to 04.00	46.3	64.7	56.5
04.00 to 05.00	43.8	61.4	56.7
05.00 to 06.00	47.9	72.6	56.6

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

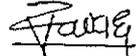
Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{dn}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.1	98.9	73.4	64.2	60.6	68.5	67.7
Night Time (22.00 Hrs to 06.00Hrs)	42.7	74.7	60.1	55.4	49.6		54.5

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by


Mr. Vaibhav Pawar
Chemist

For SKYLAB ANALYTICAL LABORATORY


Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

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- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC0515022000000162F

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(22-23-0096)
REPORT DATE : 25/04/2022
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:

AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : NM(22-23-0096)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 15/04/2022 TO 16/04/2022

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Gate No.5-Nr Ring Machine
COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	46.1	80.2	60.6
07.00 to 08.00	49.5	74.5	62.2
08.00 to 09.00	53.8	90.1	61.9
09.00 to 10.00	57.6	80.5	69.6
10.00 to 11.00	62.8	91.7	65.1
11.00 to 12.00	61.9	83.2	68.9
12.00 to 13.00	58.1	85.3	69.1
13.00 to 14.00	60.4	87.3	69.5
14.00 to 15.00	54.1	84.9	61.9
15.00 to 16.00	58.3	82.1	64.5
16.00 to 17.00	55.9	86.5	61.7
17.00 to 18.00	62.1	78.3	61.1
18.00 to 19.00	59.5	94.9	68.7
19.00 to 20.00	57.1	89.3	69.7
20.00 to 21.00	52.8	78.1	61.8
21.00 to 22.00	56.7	77.3	61.7

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	45.2	71.6	60.8
23.00 to 00.00	49.3	80.7	60.2
00.00 to 01.00	43.1	69.2	53.4
01.00 to 02.00	42.5	73.9	59.5
02.00 to 03.00	39.7	75.1	60.0
03.00 to 04.00	47.2	77.8	59.5
04.00 to 05.00	48.3	74.7	59.5
05.00 to 06.00	41.6	70.5	59.6

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

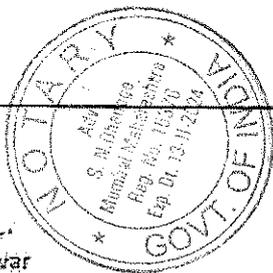
Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	46.1	94.9	71.2	60.0	55.3	66.4	64.9
Night Time (22.00 Hrs to 06.00Hrs)	39.7	80.7	64.5	57.1	50.4		52.9

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

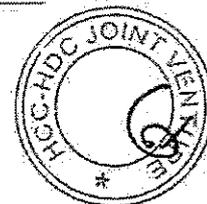
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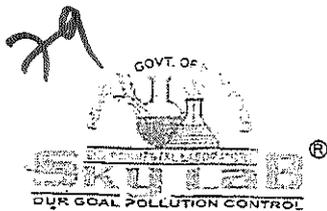


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SALAC2212020906951



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ULR NO: TC051.502200000172F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(22-23-0143)
REPORT DATE : 27/04/2022
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(22-23-0143)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 18/04/2022 TO 19/04/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Gate No.5-Nr Ring Machine

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	50.9	83.5	59.1
07.00 to 08.00	57.3	89.7	64.8
08.00 to 09.00	51.9	76.4	65.1
09.00 to 10.00	59.2	84.3	69.3
10.00 to 11.00	60.7	91.8	70.0
11.00 to 12.00	62.9	90.7	69.5
12.00 to 13.00	56.1	87.4	69.5
13.00 to 14.00	56.2	78.3	58.4
14.00 to 15.00	60.7	85.2	58.4
15.00 to 16.00	53.9	77.6	58.6
16.00 to 17.00	54.6	82.8	58.8
17.00 to 18.00	62.7	93.9	59.5
18.00 to 19.00	55.1	80.4	70.1
19.00 to 20.00	47.6	74.3	58.8
20.00 to 21.00	52.8	78.2	59.1
21.00 to 22.00	48.7	86.1	64.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	43.5	62.8	57.6
23.00 to 00.00	48.2	64.3	57.3
00.00 to 01.00	46.2	68.1	57.2
01.00 to 02.00	41.9	60.7	57.7
02.00 to 03.00	39.0	59.5	58.5
03.00 to 04.00	40.8	66.2	58.7
04.00 to 05.00	44.6	69.5	57.5
05.00 to 06.00	47.1	65.3	58.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{dn}	LEQ dB(A)
Day Time (05.00 Hrs to 22.00 Hrs)	47.6	93.9	69.6	64.8	57.5	64.5	63.3
Night Time (22.00 Hrs to 06.00Hrs)	39.0	69.5	64.3	58.5	51.2		56.7

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pangere
Authorized Signatory

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ULR NO: TC051502200000182F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(22-23-0148)
REPORT DATE : 28/04/2022
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(22-23-0148)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Gate No.5-Nr Ring Machine
COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

SAMPLING DATE : 22/04/2022 TO 23/04/2022

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	47.6	80.9	63.2
07.00 to 08.00	50.9	90.1	63.8
08.00 to 09.00	49.2	81.4	69.7
09.00 to 10.00	50.7	86.3	69.7
10.00 to 11.00	56.3	92.5	70.0
11.00 to 12.00	59.4	85.1	69.4
12.00 to 13.00	62.8	95.6	69.4
13.00 to 14.00	58.3	83.5	62.4
14.00 to 15.00	57.6	80.4	62.4
15.00 to 16.00	62.9	79.6	62.6
16.00 to 17.00	60.4	84.1	62.8
17.00 to 18.00	57.6	90.2	63.6
18.00 to 19.00	55.3	82.6	70.1
19.00 to 20.00	63.5	101.9	62.8
20.00 to 21.00	52.7	77.2	63.0
21.00 to 22.00	54.5	74.6	63.4

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	42.6	68.9	54.5
23.00 to 00.00	48.9	74.2	54.4
00.00 to 01.00	46.2	77.5	54.7
01.00 to 02.00	49.3	73.2	54.8
02.00 to 03.00	44.2	64.3	56.6
03.00 to 04.00	39.0	62.1	56.6
04.00 to 05.00	43.8	66.8	54.7
05.00 to 06.00	47.6	70.5	57.1

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	47.6	101.9	73.2	66.8	61.3	68.4	65.5
Night Time (22.00 Hrs to 06.00Hrs)	39	77.5	59.4	54.3	52.9		55.6

Note: Construction Activity (6.00AM TO 9.50PM) - 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory



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ULR NO: TC051502200000192F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(22-23-0153)
REPORT DATE : 28/04/2022
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:
AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : NM(22-23-0153)

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLE LOCATION : Gate No.5-Nr Ring Machine

SAMPLING DATE : 25/04/2022 TO 26/04/2022

COORDINATES : 19° 0' 50.3928" N, 72° 49' 0.2748" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	58.5	77.1	67.7
07.00 to 08.00	55.8	80.1	67.8
08.00 to 09.00	59.2	86.3	67.9
09.00 to 10.00	57.1	85.1	67.9
10.00 to 11.00	53.0	88.7	58.7
11.00 to 12.00	56.7	84.6	58.7
12.00 to 13.00	54.3	75.4	67.9
13.00 to 14.00	61.2	84.6	72.1
14.00 to 15.00	56.8	93.5	72.1
15.00 to 16.00	60.9	92.1	72.1
16.00 to 17.00	57.1	90.7	70.3
17.00 to 18.00	63.9	93.2	69.4
18.00 to 19.00	62.5	98.8	70.4
19.00 to 20.00	61.8	95.6	70.7
20.00 to 21.00	59.1	74.6	69.2
21.00 to 22.00	57.3	78.9	59.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	47.3	78.6	59.4
23.00 to 00.00	46.2	77.2	57.1
00.00 to 01.00	49.8	80.4	55.8
01.00 to 02.00	51.3	83.6	50.9
02.00 to 03.00	54.1	87.2	61.8
03.00 to 04.00	48.5	90.5	61.9
04.00 to 05.00	45.4	76.9	56.3
05.00 to 06.00	50.1	81.4	61.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	53	98.8	73.8	66.1	60.3	68.1	67.2
Night Time (22.00 Hrs to 06.00Hrs)	45.4	90.5	63.7	56.5	48.6		57.2

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist

For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

1. This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing.
2. This report is confidential & cannot be re-produced in part or full without permission of SKYLAB Analytical Laboratory.
3. Any attempt of forgery or misleading use of this report by any person/organization etc will attract suitable legal action against them by SkyLab Analytical Laboratory.



Accredited by NABL as per ISO/IEC 17025:2017, Certified as ISO 9001:2015 & ISO 45001:2018

Recognized by MoEFCC, Govt. of India, valid till 08.12.2023

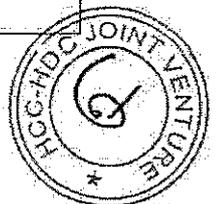
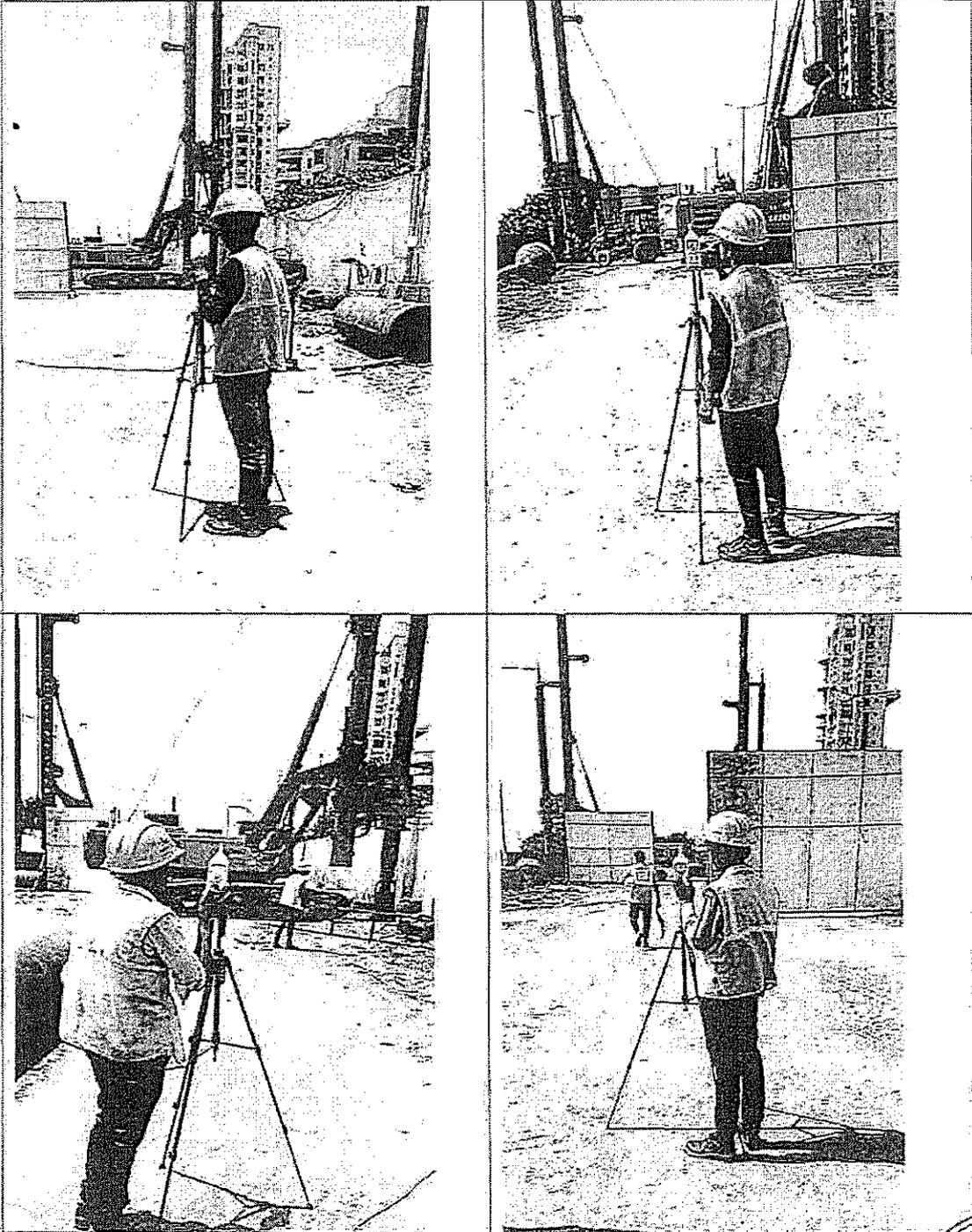
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Dist. Thane, Maharashtra, INDIA, Pincode - 421311

Mob. No. - 9867577309 / 310 / 312 / 9930060058

Email - mails@skylabenviro.com Website - www.skylabenviro.com

SALAC2212020906983

SKY LAB REPORT
NOISE MONITERING PHOTO
Gate No.- 05



8

2795

Date	Time	Inside	Time	Outside	Location	Hrs. Sign	PNC Sign	Remarks
X 29/03/22	11:04 AM	72.6 dB	10:31 AM	65.2 dB				
X	02:10 PM	74.0 dB	02:30 PM	69.5 dB	Gate No. 5			Two Rjg m/c operation
X	06:00 PM	78.2 dB	06:23 PM	71.1 dB				
X 30/03/22	9:44 AM	71.2 dB	9:11 AM	69.3 dB				
X	12:10 PM	73.2 dB	12:30 PM	68.9 dB				
X	03:00 PM	72.9 dB	03:20 PM	69.0 dB				Both Rjg m/c operation
X	06:00 PM	76.2 dB	06:30 PM	71.0 dB				
X 01/04/22	11:24 AM	71.4 dB	11:27 AM	69.5 dB				
X	03:00 PM	74.2 dB	03:20 PM	71.1 dB				
X	05:10 PM	73.2 dB	05:25 PM	68.8 dB				
X 04/04/22	09:15 AM	70.1 dB	09:45 AM	65.9 dB				
X	11:45 AM	65.8 dB	11:30 AM	66.9 dB				No work
X	05:20 PM	73.2 dB	05:52 PM	70.1 dB				
X 05/04/22	09:00 AM	71.2 dB	09:20 AM	69.1 dB	Gate No. 5			
X	12:25 PM	68.6 dB	12:35 PM	64.4 dB				
X	05:10 PM	73.9 dB	05:35 PM	66.3 dB				On working time
X 06/04/22	09:20 AM	69.9 dB	09:50 AM	66.3 dB				
X	11:45 AM	65.8 dB	11:30 AM	66.9 dB				No work
X	04:00 PM	71.8 dB	04:20 PM	67.2 dB				
X 07/04/22	9:45 AM	67.2 dB	9:30 AM	65.6 dB				
X	12:05 PM	73.6 dB	12:25 PM	69.6 dB				
X	03:30 PM	72.9 dB	03:50 PM	69.3 dB				
X	07:05 PM	73.3 dB	07:25 PM	66.6 dB				



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Date	Time	Inside	Time	Outside	Location	Inc Sign	Prnc Sign	Remark
8/04/22	7:10 am 1:45 PM	71.2 DB 68.2 dB	7:30 am 1:45 PM	66.1 DB 64.4 dB				
	5:30 PM	72.3 DB	6: PM	71.1 DB				
08/04/22	8:30 am 2:45 PM	66.8 DB 68.3 dB	9: am 2:40 PM	70.1 DB 67.3 dB				
	5:00 PM 7:30 PM	72.2 DB 72.1 DB	5:20 PM 7:45 PM	66.1 DB 70.0 DB				
11/04/22	10:40 AM 3:15 PM	71.2 DB 69.9 dB	10:20 AM 3:10 PM	69.3 DB 65.9 dB				
	5:10 PM	73.0 DB	5:35 PM	64.1 DB				
10/04/22	7:30 am 3:08 PM	69.0 DB 68.1 dB	10: am 3:05 PM	65.0 DB 64.4 dB				
	7:00 PM	66.6 DB	7:20 PM	59.0 DB				
13/04/22	7:15 am 4:02 PM	71.2 DB 74.6 dB	10:00 am 4:01 PM	69.0 DB 67.8 dB				
	6:15 PM	72.0 DB	7:00 PM	70.0 DB				
14/04/22	10:00 am 4:24 PM	66.0 DB 68.0 dB	11 am 4:02 PM	73.0 DB 67.4 dB				
	8:00 PM	67.4 DB	8:00 PM	64.5 DB				
15/04/22	9:15 am 4:02 PM	73.0 DB 71.4 dB	9:40 am 4:12 PM	78.0 DB 67.7 dB				
	6:10 PM 8:00 PM	72.0 DB 73.0 DB	6:30 PM 8:20 PM	73.0 DB 66.0 DB				
	11:00 PM	64.0 DB	11:30 PM	65.0 DB				



No Rig working

Green signal operate

Both Rig m/c operate

Nb work

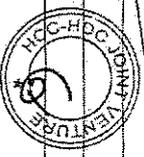
one Rig m/c operate

No work

Both Rig m/c operate

Two OR's working

Date	Time	Inside	Time	Outside	Location	HCC Sign.	10mg Sign.	Remarks
X	10/02/22	9:07 AM	9:22 dB	9:18 AM	69.7 dB			
X	12:24 PM	77.5 dB	10:16 PM	73.9 dB	Gate no. 5			Bath Rig m/c operat.
X	9:03 AM	76.2 dB	5:12 PM	70.5 dB				
X	21/03/22	10:28 AM	9:55 AM	68.8 dB				and working
X	2:36 PM	74.8 dB	2:30 PM	71.1 dB				
X	6:05 AM	74.4 AM	6:16 PM	68.8 dB				
X	20/03/22	10:24 AM	7:19 AM	68.7 dB				
X	2:05 PM	74.5 dB	2:05 PM	74.5 dB				
X	5:00 PM	76.2 dB	5:30 PM	68.5 dB				Two Rig m/c operat.
X	7:05 PM	73.2 dB	7:20 PM	69.2 dB				
X	20/03/22	9:54 AM	7:03 AM	66.8 dB				
X	12:40 PM	74.8 dB	12:30 PM	70.2 dB				No work
X	05:05 PM	73.8 dB	05:40 PM	69.2 dB				
X	07:02 PM	74.2 dB	07:20 PM	70.2 dB				
X	25/03/22	10:24 AM	7:12 AM	69.0 dB				
X	02:00 PM	74.2 dB	02:20 PM	68.8 dB	Gate No. 5			
X	05:15 PM	75.2 dB	05:45 PM	69.9 dB				Bath Rig m/c operat.
X	07:20 PM	73.9 dB	07:45 PM	71.3 dB				
X	26/03/22	10:00 AM	7:13 AM	67.5 dB				
X	12:24 PM	71.2 dB	11:06 AM	68.2 dB				One Rig m/c operat.
X	06:00 PM	73.2 dB	05:15 PM	68.8 dB				
X	28/03/22	11:24 AM	7:00 AM	69.9 dB				
X	03:05 PM	68.7 dB	03:20 PM	65.4 dB				No work
X	05:20 PM	72.2 dB	05:45 PM	68.8 dB				



No work

One Rig m/c operat.

Bath Rig m/c operat.

No work

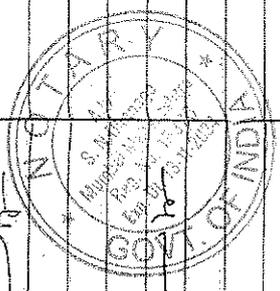
Two Rig m/c operat.

and working

Bath Rig m/c operat.

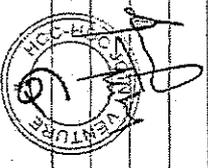
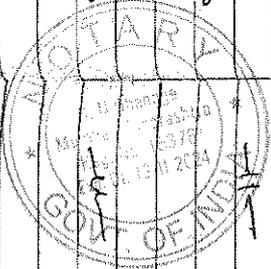
Remarks

Date	Time	Inside	Time	Outside	Location	Hit sign.	Prnc sign.	Remarks
X 10/03/22	10:05 AM	74.2 dB	10:20 AM	70.0 dB				
X 10/03/22	12:15 PM	78.2 dB	11:55 AM	71.0 dB	Gate No. 5			Two way operation.
X 10/03/22	7:02 PM	72.2 dB	7:09 PM	71.9 dB				
X 11/03/22	11:24 AM	73.5 dB	11:27 AM	69.1 dB				on Traffic road
X 12/03/22	10:11 AM	73.2 dB	10:22 AM	73.9 dB				
X 12/03/22	3:10 PM	73.2 dB	3:21 PM	70.2 dB	Gate No. 5			Two way operation
X 14/03/22	10:14 AM	73.2 dB	10:26 AM	70.2 dB				
X 14/03/22	3:44 PM	74.8 dB	3:26 PM	69.7 dB				one way m/c operate
X 15/03/22	7:03 AM	75.2 dB	7:14 PM	71.7 dB				on traffic of road
X 16/03/22	10:12 AM	76.2 dB	10:23 AM	69.9 dB				
X 16/03/22	2:54 PM	78.9 dB	2:16	69.8 dB				both way m/c operate
X 17/03/22	7:03 AM	73.2 dB	7:17 PM	70.0 dB				
X 17/03/22	10:01 AM	73.2 dB	10:09 AM	71.2 dB				
X 17/03/22	2:05 PM	74.8 dB	1:12 PM	71.1 dB	Gate No. 5			both way m/c operate
X 18/03/22	5:17 PM	76.5 dB	5:23 PM	69.2 dB				
X 18/03/22	9:12 AM	74.3 dB	9:53 AM	68.7 dB				green signal
X 18/03/22	3:14 PM	70.3 dB	2:56 PM	70.5 dB				
X 18/03/22	6:04 PM	74.3 dB	6:13 PM	69.9 dB				



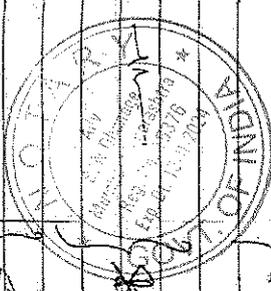
23

Date	Time	Inside	Time	Outside	Location	Rec sign	PMC sign	Remarks
X 26/04/22	10:37 AM 3:05 PM 5:10 PM	69.4 dB 73.2 dB 74.4 dB	10:46 AM 3:15 PM 5:25 PM	64.2 dB 69.2 dB 68.2 dB				One rig will operate
X 27/04/22	9:27 AM 12:17 PM 5:25 PM	72.5 dB 73.2 dB 74.5 dB	9:34 AM 12:20 PM 5:46 PM	69.7 dB 68.5 dB 70.5 dB				Two rig operation
X 28/04/22	10:32 AM 3:05 PM 5:10 PM	71.8 dB 74.2 dB 75.2 dB	10:48 AM 3:15 PM 5:39 PM	69.1 dB 69.1 dB 71.2 dB				Both rig will operate
X 29/04/22	11:07 AM 3:04 PM 5:13 PM	71.0 dB 74.2 dB 74.1 dB	11:15 AM 3:15 PM 5:05 PM	65.5 dB 68.9 dB 70.2 dB	code book			one rig operation
X 30/04/22	9:54 AM 1:00 PM 5:08 PM	71.9 dB 68.2 dB 73.2 dB	10:06 AM 1:15 PM 5:15 PM	72.5 dB 68.2 dB 70.2 dB				No work
X 21/05/22	10:04 AM 4:02 PM 7:18 PM	72.5 dB 71.02 dB 72.5 dB	11:16 AM 4:15 PM 7:25 PM	69.5 dB 68.4 dB 70.2 dB				One rig will operate
X 03/05/22	8:54 AM 3:10 PM 6:05 PM	72.0 dB 72.0 dB 74.2 dB	2:06 PM 3:20 PM 6:20 PM	65.2 dB 68.5 dB 71.1 dB				One rig operation
X 04/05/22	9:05 AM 12:02 PM 4:54 PM	64.1 dB 73.2 dB 74.3 dB	9:15 AM 12:15 PM 4:06 PM	64.3 dB 70.5 dB 68.1 dB				No work



28

Roll	Time	Inside	Time	Outside	Location	Rec Sign	PMCO sign	Remarks
X	9:00 AM	62.3 DB	9:20 AM	66.4 DB				
X	11:00 AM	65.1 DB	11:40 AM	70.5 DB				
X	9:30 PM	71.0 DB	9:50 PM	74.1 DB	Team Hous			North Rig work
X	5:45 AM	69.1 dB	5:35 PM	64.4 dB				
X	10:02 AM	73.5 dB	10:02 AM	61.3 dB				
X	9:35 PM	70.0 DB	9:1 PM	66.0 DB				
X	5:30 PM	72.0 DB	6:1 PM	68.0 DB				Two Rig m/c operate
X	10:12 AM	70.9 dB	10:02 AM	68.4 dB				
X	19:00 AM	68.5 DB	12:30 PM	69.0 DB				
X	3:00 PM	71.0 DB	3:30 PM	71.0 DB				Both Rig m/c operate
X	9:00 PM	70.0 DB	9:30 PM	68.0 DB				
X	9:12 AM	74.7 dB	09:35 AM	68.1 DB				Traffic on Road
X	12:30 PM	74.0 DB	12:40 PM	66.0 DB				
X	5:40 PM	72.0 DB	6:1 PM	71.0 DB				
X	9:10 AM	74.8 dB	9:05 AM	66.5 dB				
X	12:00 AM	73.3 DB	12:30 PM	64.5 DB	Cook Hous			
X	5:00 PM	71.0 DB	5:30 PM	66.0 DB				One Rig operate
X	11:16 AM	73.8 dB	11:07 AM	56.2 dB				
X	9:30 PM	71.3 DB	4:1 PM	55.0 DB				
X	9:00 PM	76.0 DB	9:30 PM	58.0 DB				Two Rig working
X	11:02 AM	73.5 dB	11:12 AM	55.6 dB				
X	9:30 PM	72.0 DB	2:1 PM	69.0 DB				
X	5:40 PM	71.0 DB	6:00 PM	70.0 DB				Two Rig working
X	10:41 AM	69.2 dB	10:25 AM	60.5 dB				
X	12:40 PM	73.0 DB	7:00 PM	66.5 DB				
X	9:30 PM	71.0 DB	6:00 PM	63.0 DB				No work



Handwritten signature

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68

Grade	Time	Inside	Time	Outside	Location	Acc sign	PMC sign	Remarks
X	05/05/22	9:56 AM	7:20 dB	10:12 AM	65.2 dB			
X		12:05 PM	73.1 dB	12:40 PM	69.8 dB			
X		6:15 PM	74.1 dB	6:40 PM	70.5 dB			
X	06/05/22	1:54 AM	71.2 dB	1:26 AM	65.2 dB			
X		1:13 PM	68.1 dB	1:30 PM	65.1 dB			
X		6:08 PM	73.1 dB	6:20 PM	69.1 dB			
X	07/05/22	10:54 AM	72.2 dB	9:16 AM	69.0 dB			
X		12:10 PM	73.1 dB	12:20 PM	69.1 dB			
X		6:10 PM	74.2 dB	6:25 PM	71.4 dB			
X	08/05/22	10:24 AM	71.8 dB	10:14 AM	67.1 dB			
X		2:10 PM	73.8 dB	2:40 PM	68.3 dB			
X		6:10 PM	75.3 dB	6:25 PM	71.5 dB			
X	10/05/22	8:25 AM	68.3 dB	8:40 AM	65.2 dB			
X		3:54 PM	71.9 dB	3:46 PM	68.1 dB			
X		6:00 PM	72.4 dB	6:10 PM	68.9 dB			
X	11/05/22	10:15 AM	69.1 dB	10:05 AM	67.5 dB			
X		12:10 PM	73.1 dB	12:40 PM	69.5 dB			
X		5:32 PM	73.8 dB	5:45 PM	72.1 dB			
X	12/05/22	10:10 AM	71.5 dB	10:20 AM	69.1 dB			
X		3:15 PM	69.9 dB	2:05 PM	66.8 dB			
X		5:10 AM	73.1 dB	5:28 PM	70.5 dB			



No work

switching conductors

Traffic on road

No work

Two sig m/c works

Remarks

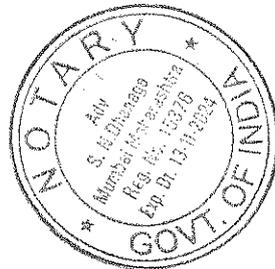
2802

90

Noise Monitoring Device.

Manufacturer: Testo

Manufacturer Part No: 816-1



6

91

Testo India Private Limited
(An ISO 9001:2015 Company)

Calibration Certificate

122100578

Object: testo 816-1 Sound Level Meter
 Manufacturer: Testo SE & Co. KGaA
 Serial No: 000006115
 Inventory No:
 Part No: 0563 8170
 Location:
 Customer: HCC-HDC JOINT VENTURE
 Mumbai Coastal Road Project-Mumbai
 Cust. ID-No:
 Order No: MUMPO-00014

Date: 22.03.2021

Date Of Calibration: 23-03-2021
 Suggested Date Of Next Calibration: 22-03-2022

The Instrument Has Been Adjusted: no yes

Conformity

- Measured values within the range of the specification*
- Measured values beyond the specification*

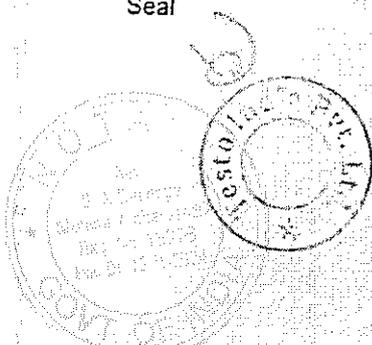
* The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor $k=2$ and contains the uncertainty of the measuring procedure and the uncertainty of the measuring system. The statement of conformity was made in the style of DIN EN ISO 14253-1 according to the quality assurance work instruction TIPL_WI_LAB_010 00 Calibration Sound Level meter.

This calibration certificate may not be reproduced other than in full except with the permission of the issuing laboratory.
 Calibration certificates without signature and seal are not valid.

Seal

Supervisor:

Person Responsible



(Signature)
 Madhav Sav

(Signature)
 Harshada Devdare

(Signature)

Be sure. **TESTO**

Testo India Private Limited
(An ISO 9001: 2015 Company)

Calibration Certificate

122100578

Measuring Equipment

Description	Report no.	Sr no
Testo Sound Level Calibrator	3085109	30893114/811

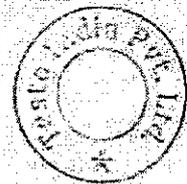
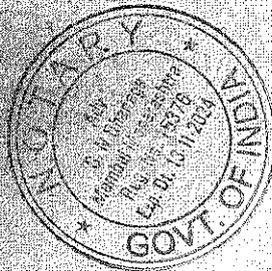
Ambient Conditions

Temperature 24.2 °C Pressure 946.1 mbar
Humidity 51.1 %RH

Measuring Results:

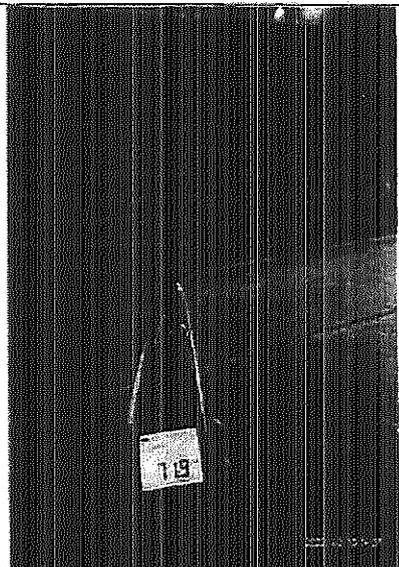
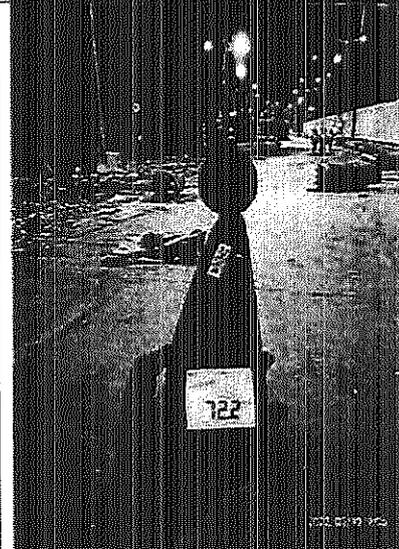
Indication Reference (dB)	Indication Measuring Instrument (dB)	Deviation (dB)	Allowed Tolerance (dB)	Measurement Uncertainty (k=2)	Confirmation	Measuring Sr-no.
94 dB(A) / 1kHz	94.0	0.0	± 1.1	± 0.52	O.K.	30893114/811
114 dB(A) / 1kHz	113.9	-0.1	± 1.1	± 0.52	O.K.	30893114/811

Special Remarks:



6

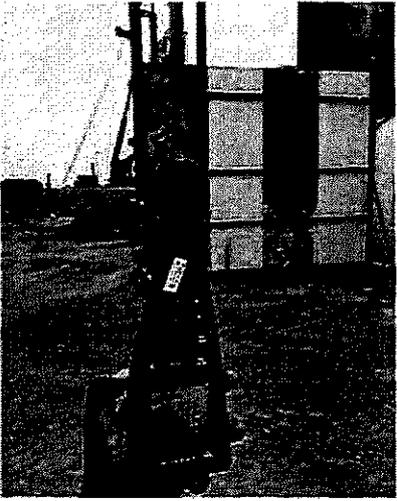
93

Sr No.	Date and Time	Location	Photos	Sound level
1	10/03/2022 & 7.07 PM	Rig Machine Gate no-5 (Building side)		71.9 dB(A)
2	10/03/2022 & 7.02 PM	Near Rig Machine Gate no-5 (inside)		72.2 dB(A)

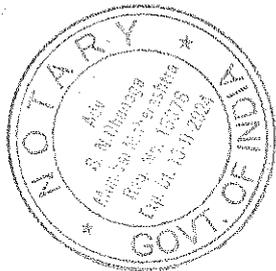


10/3

6

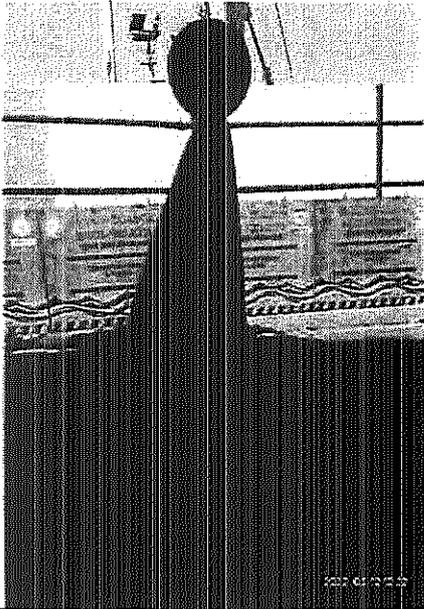
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1	11/03/2022 & 11.27 AM	Rig Machine Gate no-5 (Building side)		67.1 dB(A)
2	11/03/2022 & 11.24 AM	Near Rig Machine Gate no-5 (inside)		77.5 dB(A)

6



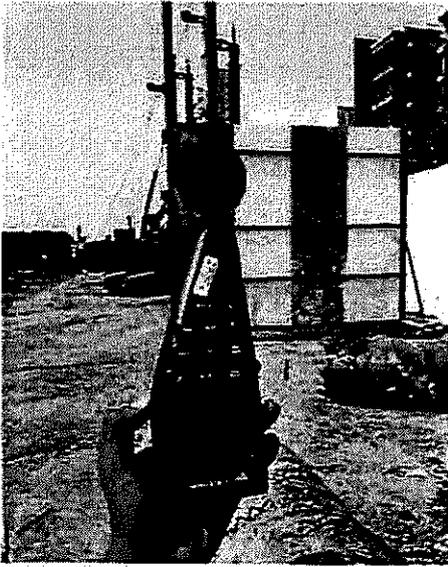
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2807

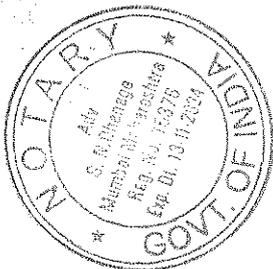
Sr No.	Date and Time	Location	Photos	Sound level
1	12/03/2022 & 10.22 AM	Rig Machine Gate no-5 (Building side)		73.9 dB(A)
2	12/03/2022 & 10.11 AM	Near Rig Machine Gate no-5 (inside)		73.2 dB(A)



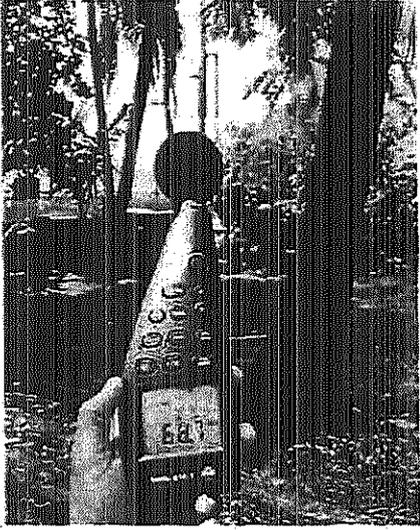
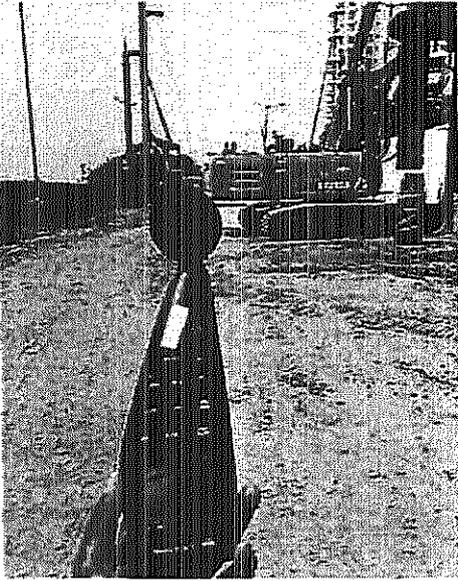
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Sr No.	Date and Time	Location	Photos	Sound level
1	14/03/2022 & 03.26 PM	Rig Machine Gate no-5 (Building side)		69.7 dB(A)
2	14/03/2022 & 03.44 PM	Near Rig Machine Gate no-5 (inside)		74.8 dB(A)

6



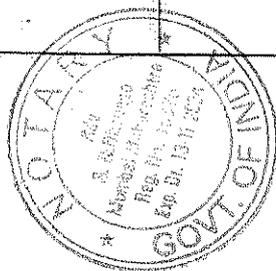
97

Sr No.	Date and Time	Location	Photos	Sound level
1	15/03/2022 & 03.46 PM	Rig Machine Gate no-5 (Building side)		68.7 dB(A)
2	15/03/2022 & 04.54 PM	Near Rig Machine Gate no-5 (inside)		76.2 dB(A)



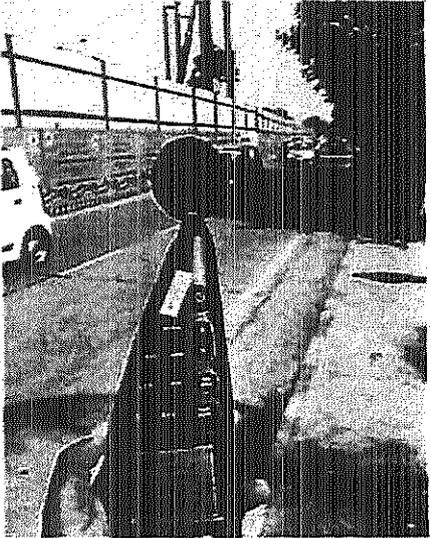
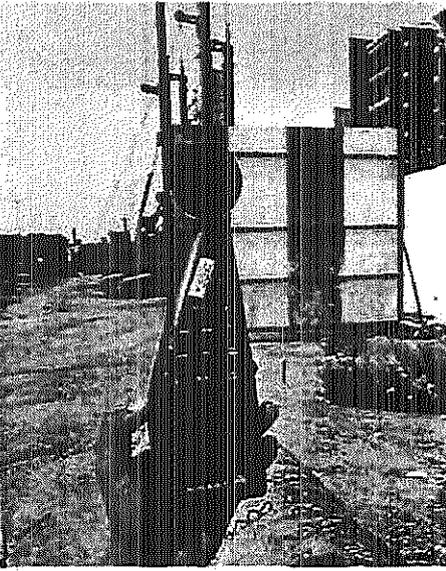
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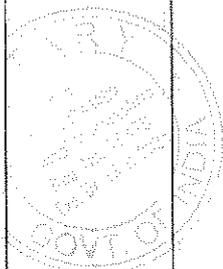
Sr No.	Date and Time	Location	Photos	Sound level
1	16/03/2022 & 02.16 PM	Rig Machine Gate no-5 (Building side)		69.8 dB(A)
2	16/03/2022 & 02.54 PM	Near Rig Machine Gate no-5 (inside)		78.9 dB(A)



6

99

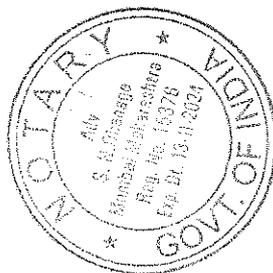
Sr No.	Date and Time	Location	Photos	Sound level
1	17/03/2022 & 01.12 PM	Rig Machine Gate no-5 (Building side)		71.1 dB(A)
2	17/03/2022 & 02.05 PM	Near Rig Machine Gate no-5 (inside)		74.8 dB(A)



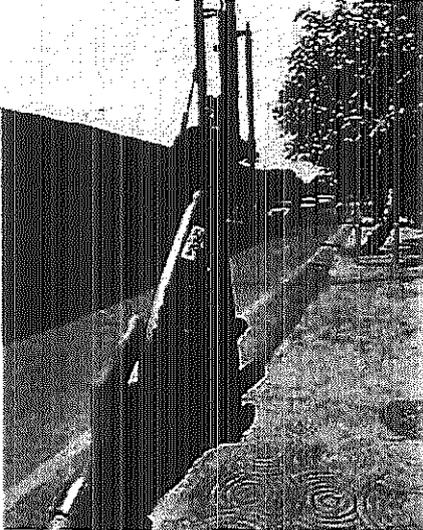
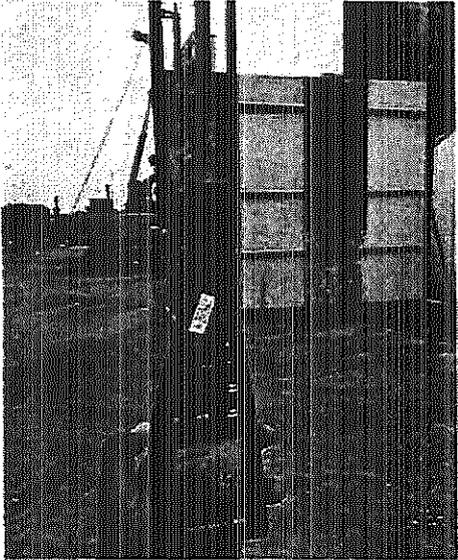
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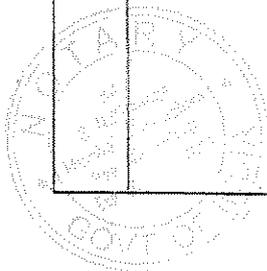
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Sr No.	Date and Time	Location	Photos	Sound level
1	18/03/2022 & 02.56 PM	Rig Machine Gate no-5 (Building side)		70.5 dB(A)
2	18/03/2022 & 03.14 PM	Near Rig Machine Gate no-5 (inside)		70.3 dB(A)

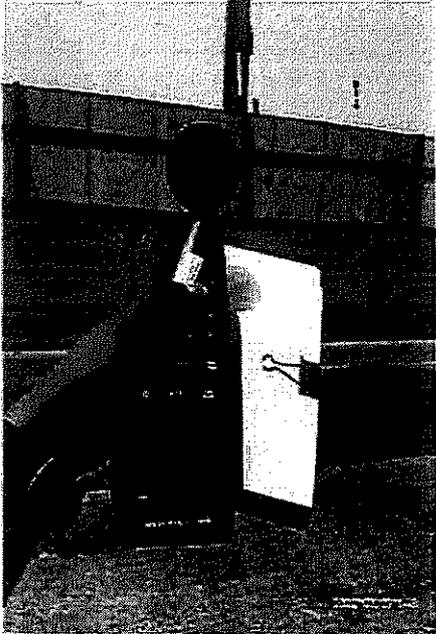
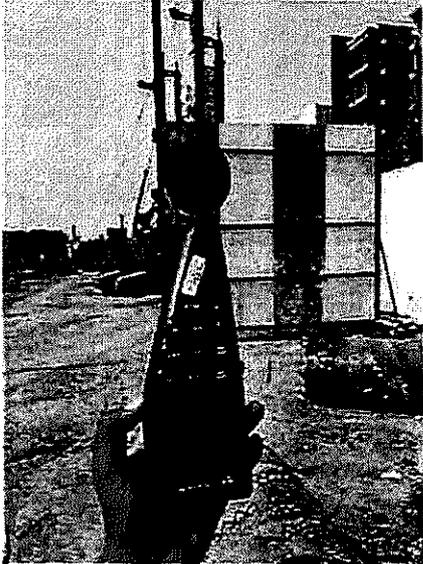


101

Sr No.	Date and Time	Location	Photos	Sound level
1	19/03/2022 & 12.16 PM	Rig Machine Gate no-5 (Building side)		73.9 dB(A)
2	19/03/2022 & 12.24 PM	Near Rig Machine Gate no-5 (inside)		77.5 dB(A)



6

Sr No.	Date and Time	Location	Photos	Sound level
1	21/03/2022 & 02.30 PM	Rig Machine Gate no-5 (Building side)		71.1 dB(A)
2	21/03/2022 & 02.36 PM	Near Rig Machine Gate no-5 (inside)		74.8 dB(A)



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AGG LAB – “THE CENTRE OF EXCELLENCE”
(Unit of AGG Lifesciences and Safety Solutions LLP)



CALIBRATION CERTIFICATE

Certificate No. :	AGG/21-22/12/598	Date of Issue :	06/12/2021
Calibration Date :	06/12/2021	Recommended Due Date :	05/12/2022
ULR Number :	CC311321000000054F	WO Number:	23410 Dt. 04-12-2021

Customer Name & Address :	Date of Receipt	06/12/2021
HCC-MMS JOINT VENTURE	Reference No.	2112324
Underground Tunneling Metro project (MML03), UGC 02, Mumbai	Cali. Performed at	In Lab

Description of the Unit Under Calibration.

Instrument Name :	Sound Level Meter	Operating Range	30 To 135dB
Make	Meco	Resolution	0.1dB
Model	970P	Accuracy :	±1.5 dB
Serial Number:	201998011635	Type :	NNI
Identification Number:	--	Condition of UUC on Receipt :	Good
Location :	Girgaon		

Details of Environmental Condition.

Temperature (°C)	Start : 24.2 °C	End : 24.1 °C	Difference : 0.1 °C
Relative Humidity (%RH)	Start : 52.7 %RH	End : 52.3 %RH	Difference : 0.4 %RH
Atmospheric Pressure (hPa)	Start : 1008 hPa	End : 1008 hPa	Difference : 0 hPa

Details of Traceability – Master Equipment / Standard used for Calibration.

Name	Sr. No.	Certificate No	Validity	Traceable To
Acoustic Calibrator	Q655472	FCRI/EQL/2021/613	05/03/2022	CC2395

Reference Standard / Method Used

Sl. No.	Method Used	Reference Standard (National / International)
01	AGG/L3/SOP/SLM/02	IS-15575 Part-1:2005

Result of Calibration: Refer Page 2 of 2



6

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AGG LAB – “THE CENTRE OF EXCELLENCE” (Unit of AGG Lifesciences and Safety Solutions LLP)



Certificate No. : AGG/21-22/12/598

Results of Calibration

Mechanical-Acoustic

Sound @ 1 kHz

Calibration Point dB	Standard Reading dB	UUC Reading dB	Error in dB	Expanded Uncertainty in dB
94	94.02	90.6	-3.42	± 0.9
114	114.09	111.3	-2.79	± 1.1

The Reported Uncertainty is at Coverage Factor $k=2$ which Corresponds to approximately 95.45% confidence level.

Opinions and Interpretations :

Calibrated



Accepted / Valid for Use

Limited Use

Rejected / Out of Use

Calibrated By:

Name : Chaitali Nakte

Signature :



Reviewed & Authorised By:

Name : Sanket Lad

Signature :

F. N. : Rev :

End of Calibration Certificate

6



106

Sr No.	Date and Time	Location	Photos	Sound level
1	22/03/2022 & 10.16 AM	Rig Machine Gate no-5 (Building side)		68.7 dB(A)
2	22/03/2022 & 10.24 AM	Near Rig Machine Gate no-5 (inside)		71.9 dB(A)



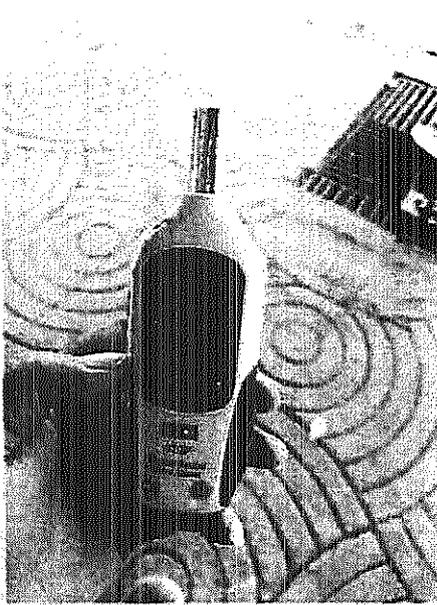
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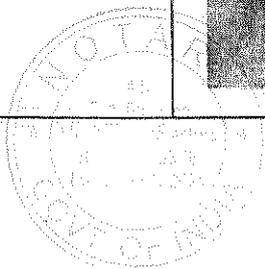
Sr No.	Date and Time	Location	Photos	Sound level
1	23/03/2022 & 09.16 AM	Rig Machine Gate no-5 (Building side)		66.8 dB(A)
2	23/03/2022 & 09.54 AM	Near Rig Machine Gate no-5 (inside)		70.3 dB(A)



6

108

Sr No.	Date and Time	Location	Photos	Sound level
1	25/03/2022 & 11.26 AM	Rig Machine Gate no-5 (Building side)		69.0 dB(A)
2	25/03/2022 & 10.24 AM	Near Rig Machine Gate no-5 (inside)		71.2 dB(A)



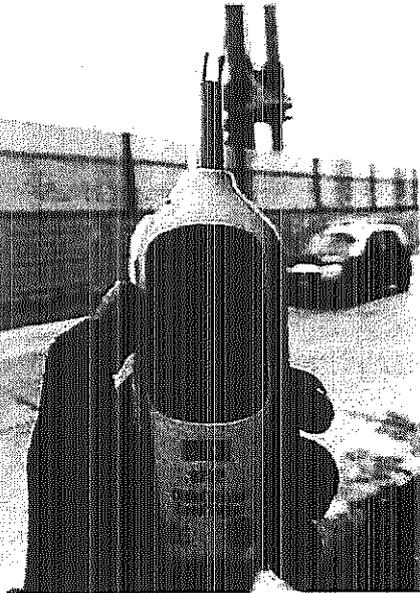
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Sr No.	Date and Time	Location	Photos	Sound level
1	26/03/2022 & 11.06 AM	Rig Machine Gate no-5 (Building side)		68.2 dB(A)
2	26/03/2022 & 12.24 PM	Near Rig Machine Gate no-5 (inside)		71.3 dB(A)



6

110

Sr No.	Date and Time	Location	Photos	Sound level
1	28/03/2022 & 10.11 AM	Rig Machine Gate no-5 (Building side)		69.9 dB(A)
2	28/03/2022 & 11.24 AM	Near Rig Machine Gate no-5 (inside)		70.0 dB(A)

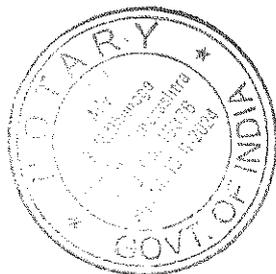


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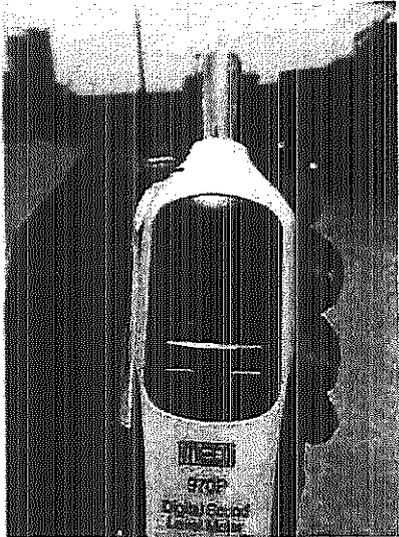
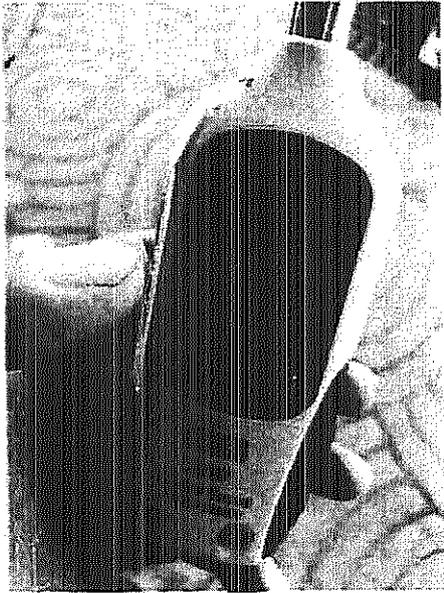
Sr No.	Date and Time	Location	Photos	Sound level
1	29/03/2022 & 10.31 AM	Rig Machine Gate no-5 (Building side)		65.2 dB(A)
2	29/03/2022 & 11.04 AM	Near Rig Machine Gate no-5 (inside)		72.6 dB(A)

3

6



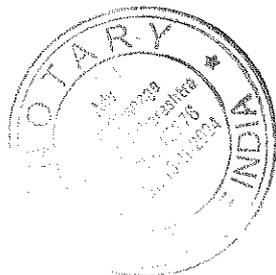
112

Sr No.	Date and Time	Location	Photos	Sound level
1	30/03/2022 & 09.11 AM	Rig Machine Gate no-5 (Building side)		69.3 dB(A)
2	30/03/2022 & 09.44 AM	Near Rig Machine Gate no-5 (inside)		71.2 dB(A)



6

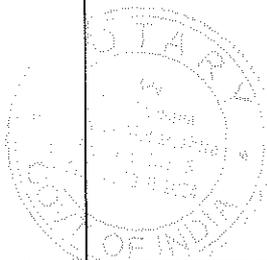
Sr No.	Date and Time	Location	Photos	Sound level
1	02/04/2022 & 11.27 AM	Rig Machine Gate no-5 (Building side)		69.5 dB(A)
2	02/04/2022 & 11.24 AM	Near Rig Machine Gate no-5 (inside)		71.4 dB(A)



2

114

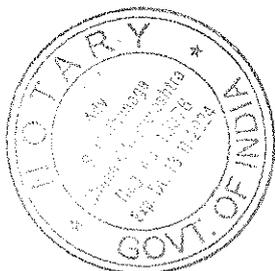
Sr No.	Date and Time	Location	Photos	Sound level
1	04/04/2022 & 11.30AM	Rig Machine Gate no-5 (Building side)		66.9 dB(A)
2	04/04/2022 & 11.45 AM	Near Rig Machine Gate no-5 (inside)		65.8 dB(A)



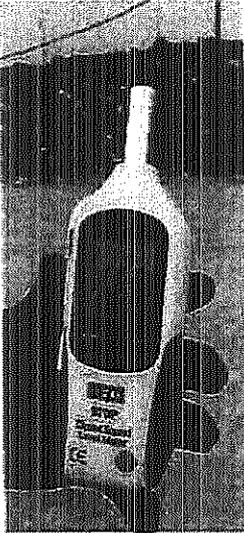
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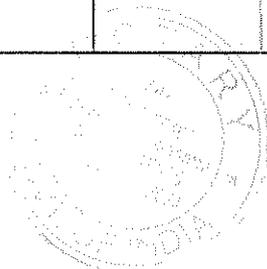
Sr No.	Date and Time	Location	Photos	Sound level
1	05/04/2022 & 12.35AM	Rig Machine Gate no-5 (Building side)		64.4 dB(A)
2	05/04/2022 & 12.25 AM	Near Rig Machine Gate no-5 (inside)		68.6 dB(A)

6

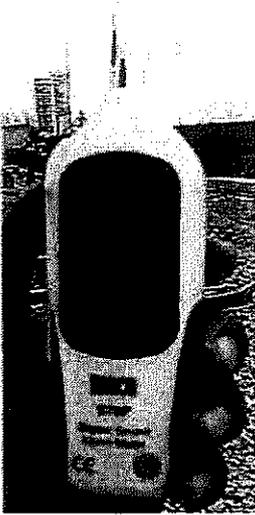


116

Sr No.	Date and Time	Location	Photos	Sound level
1	06/04/2022 & 11.30AM	Rig Machine Gate no-5 (Building side)		66.9 dB(A)
2	06/04/2022 & 11.45 AM	Near Rig Machine Gate no-5 (inside)		65.8 dB(A)



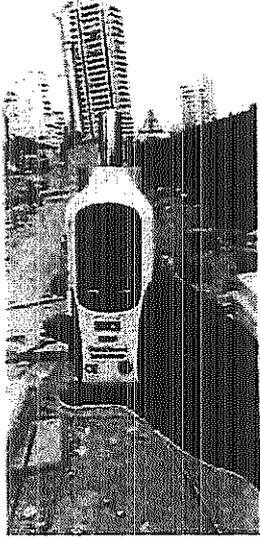
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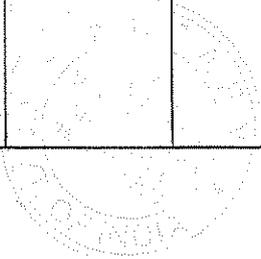
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1	07/04/2022 & 09.30AM	Rig Machine Gate no-5 (Building side)		65.6 dB(A)
2	07/04/2022 & 09.45 AM	Near Rig Machine Gate no-5 (inside)		67.2 dB(A)

6



118

Sr No.	Date and Time	Location	Photos	Sound level
1	08/04/2022 & 01.40 PM	Rig Machine Gate no-5 (Building side)		64.4 dB(A)
2	08/04/2022 & 01.45 PM	Near Rig Machine Gate no-5 (inside)		68.2 dB(A)



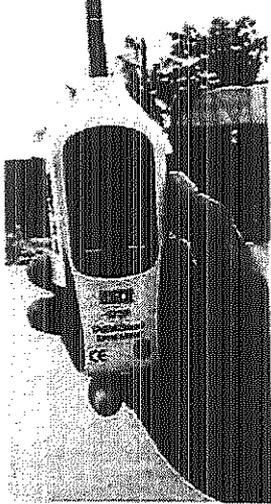
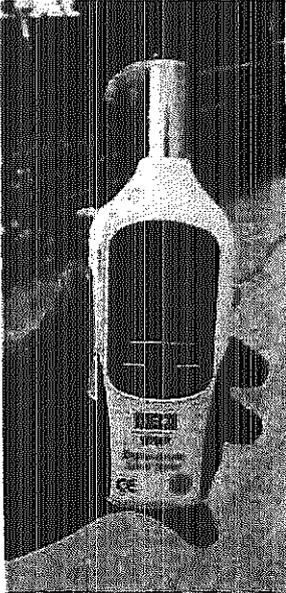
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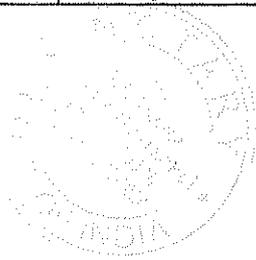
Sr No.	Date and Time	Location	Photos	Sound level
1	09/04/2022 & 02.40 PM	Rig Machine Gate no-5 (Building side)		67.3 dB(A)
2	09/04/2022 & 02.45 PM	Near Rig Machine Gate no-5 (inside)		68.3 dB(A)

6

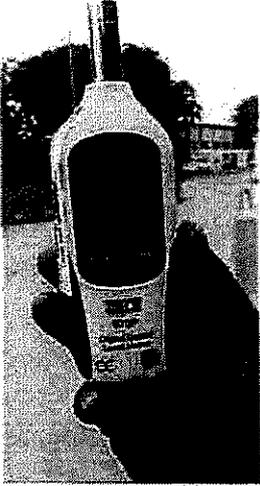


120

Sr No.	Date and Time	Location	Photos	Sound level
1	11/04/2022 & 03.10 PM	Rig Machine Gate no-5 (Building side)		65.9 dB(A)
2	11/04/2022 & 03.15 PM	Near Rig Machine Gate no-5 (inside)		69.7 dB(A)



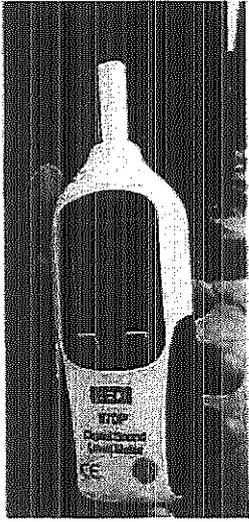
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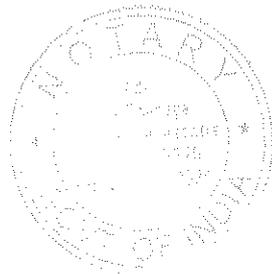
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1	12/04/2022 & 03.05 PM	Rig Machine Gate no-5 (Building side)		55.4 dB(A)
2	12/04/2022 & 03.08 PM	Near Rig Machine Gate no-5 (inside)		68.1 dB(A)

6

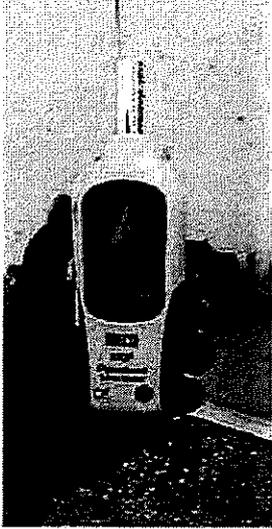
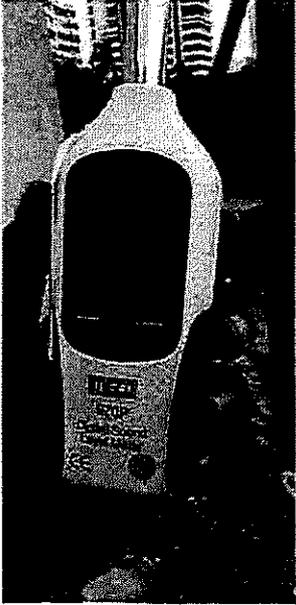


122

Sr No.	Date and Time	Location	Photos	Sound level
1	13/04/2022 & 04.21 PM	Rig Machine Gate no-5 (Building side)		67.8 dB(A)
2	13/04/2022 & 04.32 PM	Near Rig Machine Gate no-5 (inside)		74.6 dB(A)



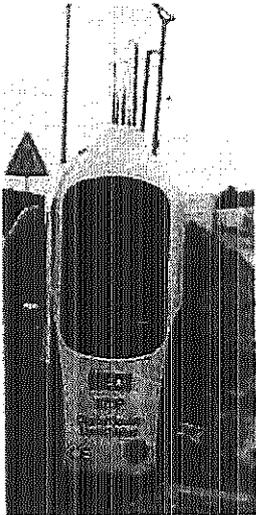
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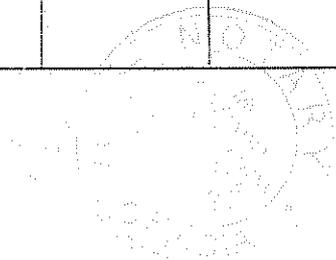
Sr No.	Date and Time	Location	Photos	Sound level
1	14/04/2022 & 04.02 PM	Rig Machine Gate no-5 (Building side)		67.4 dB(A)
2	14/04/2022 & 04.24 PM	Near Rig Machine Gate no-5 (inside)		68.0 dB(A)

6

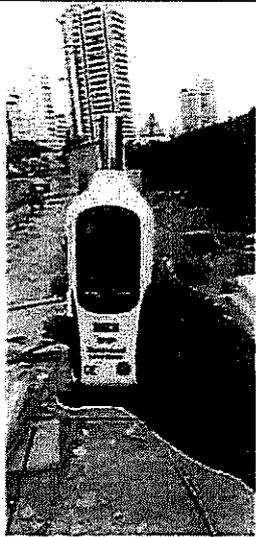
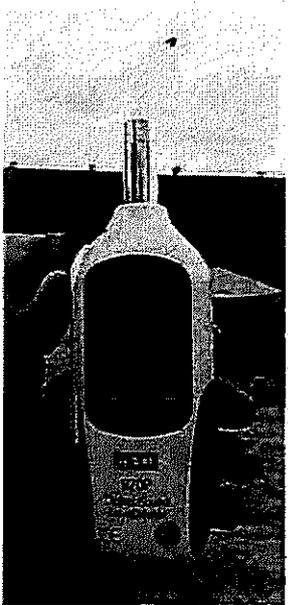


124

Sr No.	Date and Time	Location	Photos	Sound level
1	15/04/2022 & 04.12 PM	Rig Machine Gate no-5 (Building side)		67.7 dB(A)
2	15/04/2022 & 04.32 PM	Near Rig Machine Gate no-5 (inside)		71.4 dB(A)



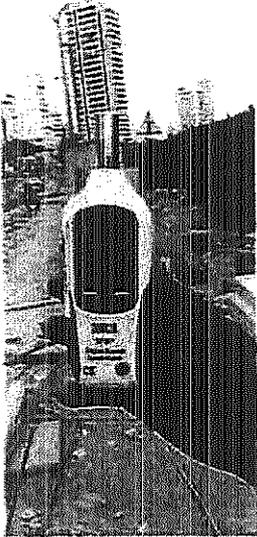
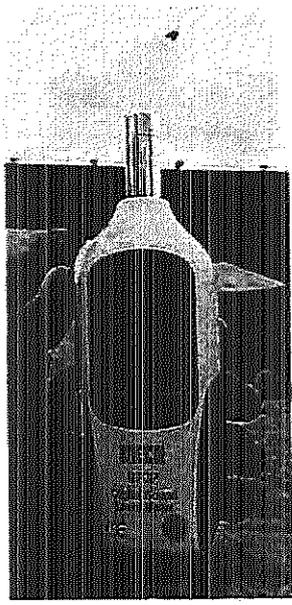
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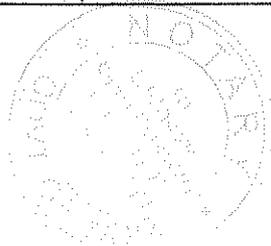
Sr No.	Date and Time	Location	Photos	Sound level
1	16/04/2022 & 05.35 PM	Rig Machine Gate no-5 (Building side)		64.4 dB(A)
2	16/04/2022 & 05.45 PM	Near Rig Machine Gate no-5 (inside)		69.1 dB(A)

6

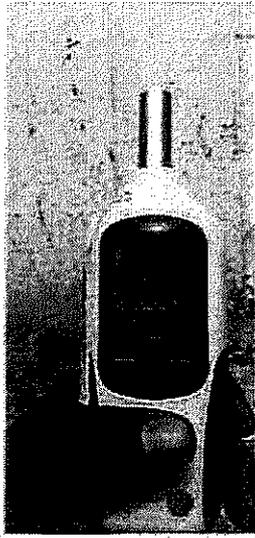


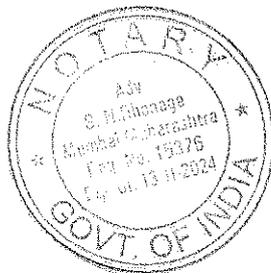
126

Sr No.	Date and Time	Location	Photos	Sound level
1	16/04/2022 & 05.35 PM	Rig Machine Gate no-5 (Building side)		64.4 dB(A)
2	16/04/2022 & 05.45 PM	Near Rig Machine Gate no-5 (inside)		69.1 dB(A)



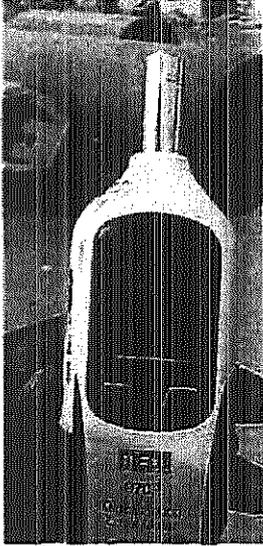
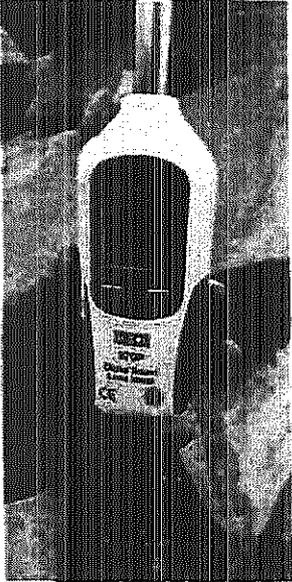
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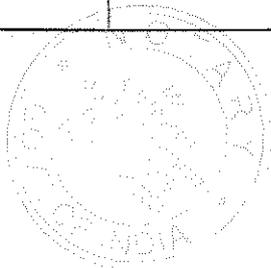
Sr No.	Date and Time	Location	Photos	Sound level
1	18/04/2022 & 10.02 PM	Rig Machine Gate no-5 (Building side)		61.3 dB(A)
2	18/04/2022 & 10.12 PM	Near Rig Machine Gate no-5 (inside)		73.5 dB(A)



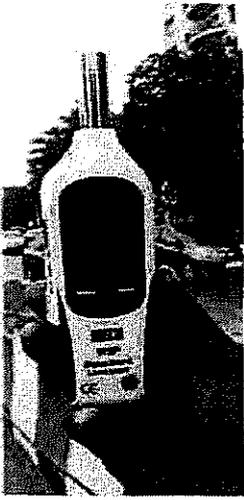
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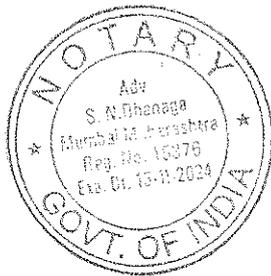
128

Sr No.	Date and Time	Location	Photos	Sound level
1	19/04/2022 & 10.02 AM	Rig Machine Gate no-5 (Building side)		68.4 dB(A)
2	19/04/2022 & 10.12 AM	Near Rig Machine Gate no-5 (inside)		70.9 dB(A)



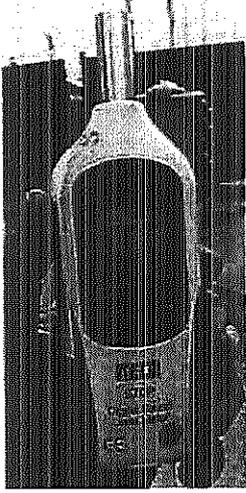
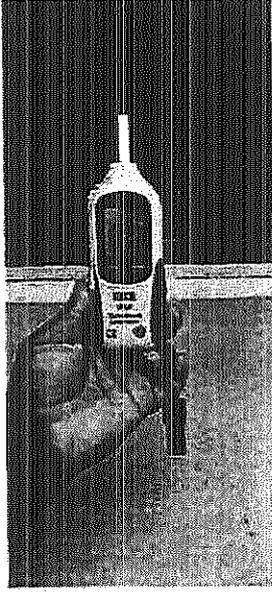
6

Sr No.	Date and Time	Location	Photos	Sound level
1	20/04/2022 & 09.25 AM	Rig Machine Gate no-5 (Building side)		68.1 dB(A)
2	20/04/2022 & 09.12 AM	Near Rig Machine Gate no-5 (inside)		74.7 dB(A)



6

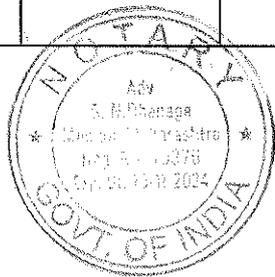
130

Sr No.	Date and Time	Location	Photos	Sound level
1	21/04/2022 & 09.05 AM	Rig Machine Gate no-5 (Building side)		66.5 dB(A)
2	21/04/2022 & 09.16 AM	Near Rig Machine Gate no-5 (inside)		74.8 dB(A)



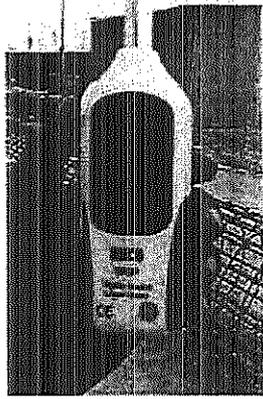
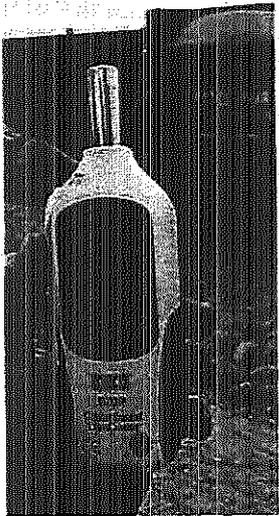
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Sr No.	Date and Time	Location	Photos	Sound level
1	22/04/2022 & 11.07 AM	Rig Machine Gate no-5 (Building side)		58.3 dB(A)
2	22/04/2022 & 11.16 AM	Near Rig Machine Gate no-5 (inside)		73.8 dB(A)



6

132

Sr No.	Date and Time	Location	Photos	Sound level
1	23/04/2022 & 11.12 AM	Rig Machine Gate no-5 (Building side)		66.6 dB(A)
2	23/04/2022 & 11.22 AM	Near Rig Machine Gate no-5 (inside)		73.5 dB(A)

6

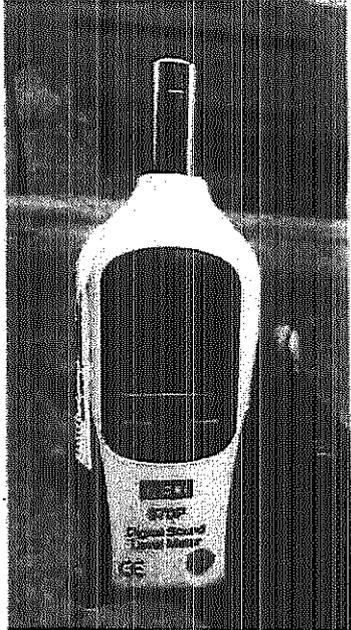


Sr No.	Date and Time	Location	Photos	Sound level
1	25/04/2022 & 10.25 AM	Rig Machine Gate no-5 (Building side)		60.5 dB(A)
2	25/04/2022 & 10.41 AM	Near Rig Machine Gate no-5 (inside)		69.2 dB(A)



6

134

Sr No.	Date and Time	Location	Photos	Sound level
1	26/04/2022 & 10.46 AM	Rig Machine Gate no-5 (Building side)		64.2 dB(A)
2	26/04/2022 & 10.37 AM	Near Rig Machine Gate no-5 (inside)		69.4 dB(A)

6

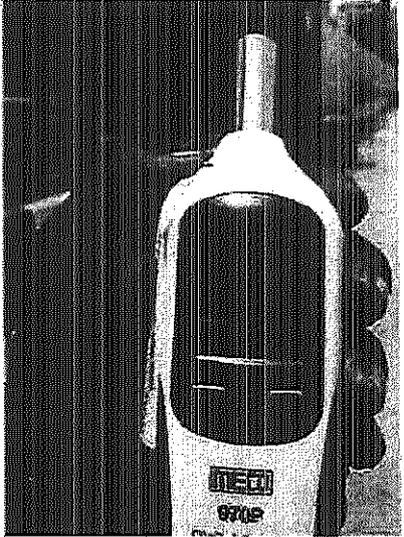
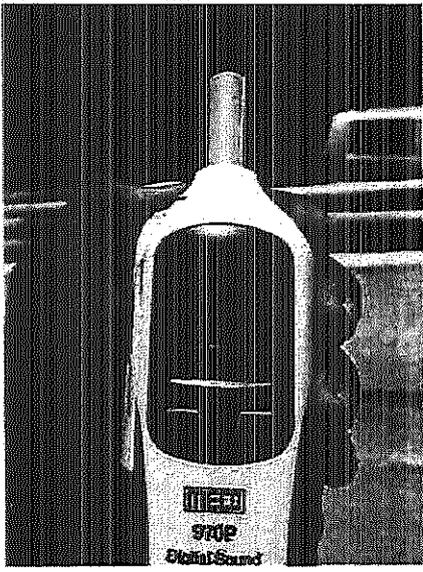


Sr No.	Date and Time	Location	Photos	Sound level
1	27/04/2022 & 09.34 AM	Rig Machine Gate no-5 (Building side)		69.7 dB(A)
2	27/04/2022 & 09.27 AM	Near Rig Machine Gate no-5 (inside)		72.5 dB(A)

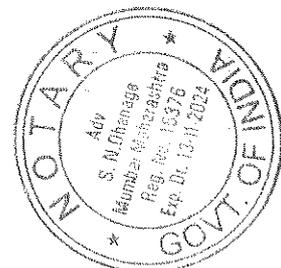


6

136

Sr No.	Date and Time	Location	Photos	Sound level
1	28/04/2022 & 10.48 AM	Rig Machine Gate no-5 (Building side)		67.1 dB(A)
2	28/04/2022 & 10.32 AM	Near Rig Machine Gate no-5 (inside)		71.8 dB(A)

136



Sr No.	Date and Time	Location	Photos	Sound level
1	02/05/2022 & 11.16 AM	Rig Machine Gate no-5 (Building side)		69.5 dB(A)
2	02/05/2022 & 10.34 AM	Near Rig Machine Gate no-5 (inside)		73.5 dB(A)

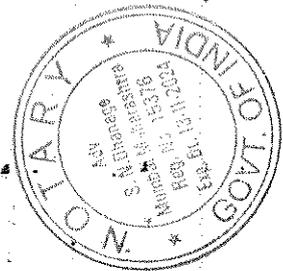
6



134

Sr No.	Date and Time	Location	Photos	Sound level
1	03/05/2022 & 02.06 PM	Rig Machine Gate no-5 (Building side)		65.2 dB(A)
2	03/05/2022 & 03.54 PM	Near Rig Machine Gate no-5 (inside)		72.0 dB(A)

6

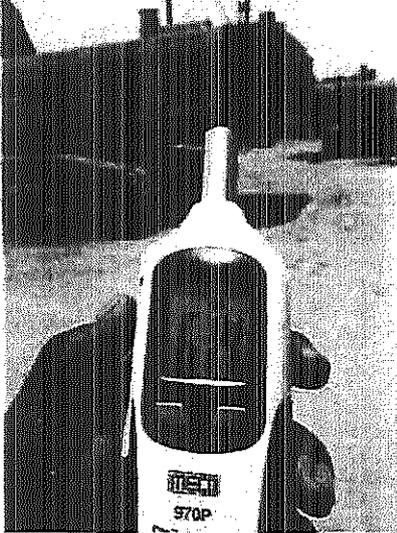
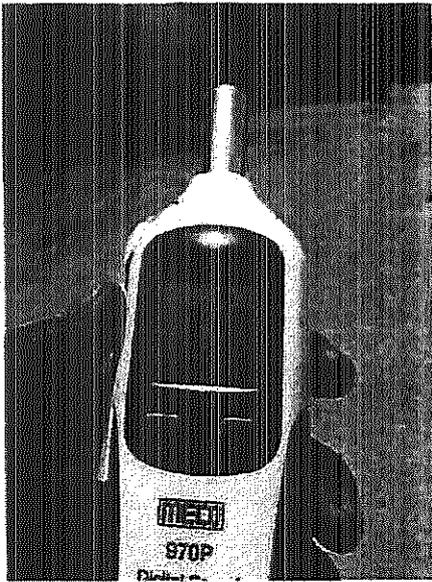


Sr No.	Date and Time	Location	Photos	Sound level
1	29/04/2022 & 11.15 AM	Rig Machine Gate no-5 (Building side)		65.5 dB(A)
2	29/04/2022 & 11.07 AM	Near Rig Machine Gate no-5 (inside)		71.0 dB(A)

6



140

Sr No.	Date and Time	Location	Photos	Sound level
1	30/04/2022 & 10.06 AM	Rig Machine Gate no-5 (Building side)		72.5 dB(A)
2	30/04/2022 & 09.54 AM	Near Rig Machine Gate no-5 (inside)		71.9 dB(A)

6



Sr No.	Date and Time	Location	Photos	Sound level
1	04/05/2022 & 04.06 PM	Rig Machine Gate no-5 (Building side)		68.1 dB(A)
2	04/05/2022 & 04.54 PM	Near Rig Machine Gate no-5 (inside)		74.3 dB(A)

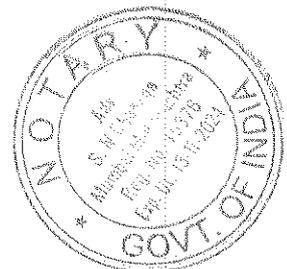
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122

Sr No.	Date and Time	Location	Photos	Sound level
1	05/05/2022 & 10.12 AM	Rig Machine Gate no-5 (Building side)		65.2 dB(A)
2	05/05/2022 & 09.56 AM	Near Rig Machine Gate no-5 (inside)		72.0 dB(A)

6



Sr No.	Date and Time	Location	Photos	Sound level
1	06/05/2022 & 11.26 AM	Rig Machine Gate no-5 (Building side)		65.2 dB(A)
2	06/05/2022 & 11.54 AM	Near Rig Machine Gate no-5 (inside)		71.2 dB(A)

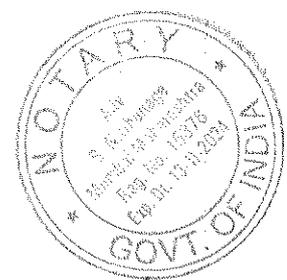
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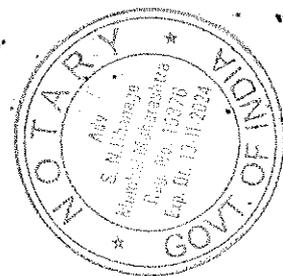
144

Sr No.	Date and Time	Location	Photos	Sound level
1	07/05/2022 & 09.16 AM	Rig Machine Gate no-5 (Building side)		67.0 dB(A)
2	07/05/2022 & 10.54 AM	Near Rig Machine Gate no-5 (inside)		72.2 dB(A)

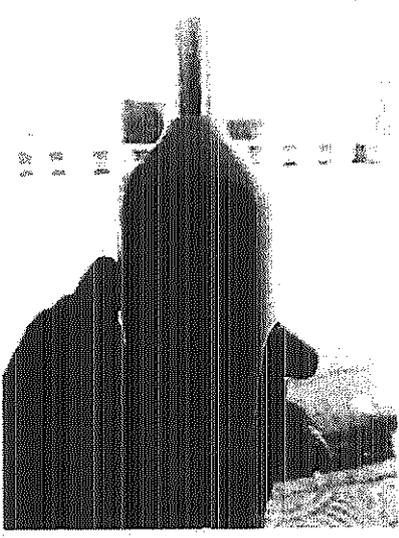
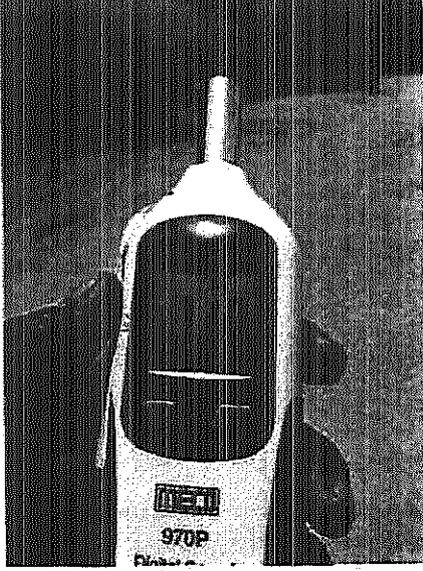
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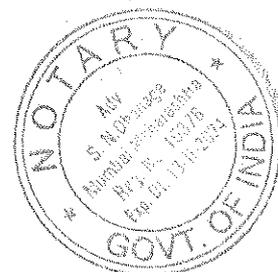
Sr No.	Date and Time	Location	Photos	Sound level
1	09/05/2022 & 10:14 AM	Rig Machine Gate no-5 (Building side)		67.1 dB(A)
2	09/05/2022 & 10:24 AM	Near Rig Machine Gate no-5 (inside)		71.8 dB(A)



146

Sr No.	Date and Time	Location	Photos	Sound level
1	10/05/2022 & 03.16 PM	Rig Machine Gate no-5 (Building side)		68.1 dB(A)
2	10/05/2022 & 03.54 PM	Near Rig Machine Gate no-5 (inside)		71.9 dB(A)

146



148

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Se sura



Testo India Private Limited
An ISO 9001:2015 Company

Calibration Certificate

122200782

Measuring Equipment

Description	Report no.	Sr no
Testo Sound Level Calibrator	A1513	30894049

Ambient Conditions

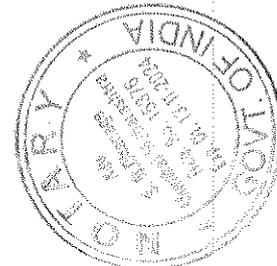
Temperature 24.3 °C Pressure 946.1 mbar
 Humidity 57.8 %RH

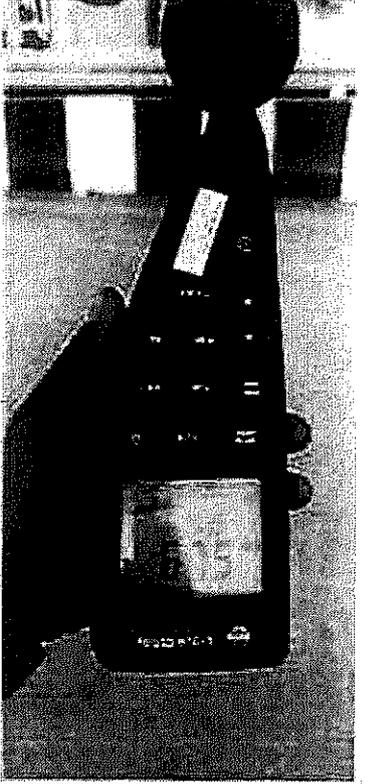
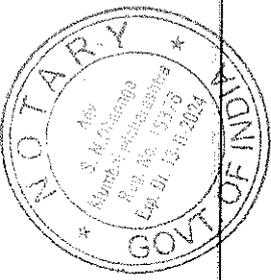
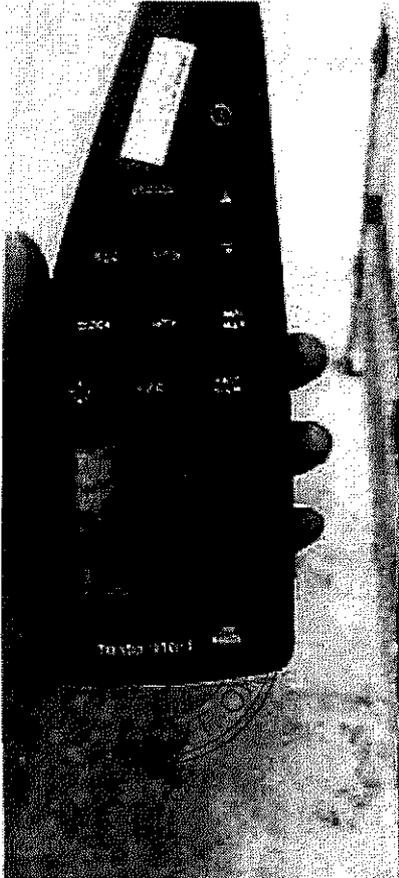
Measuring Results

Indication Reference (dB)	Indication Measuring Instrument (dB)	Deviation (dB)	Allowed Tolerance (dB)	Measurement Uncertainty (k=2)	Confirmation	Measuring Sr-no.
94 dB(A) / 1kHz	94.1	0.1	± 1.1	± 0.52	O.K.	30894049
114 dB(A) / 1kHz	113.9	-0.1	± 1.1	± 0.52	O.K.	30894049

Special Remarks:

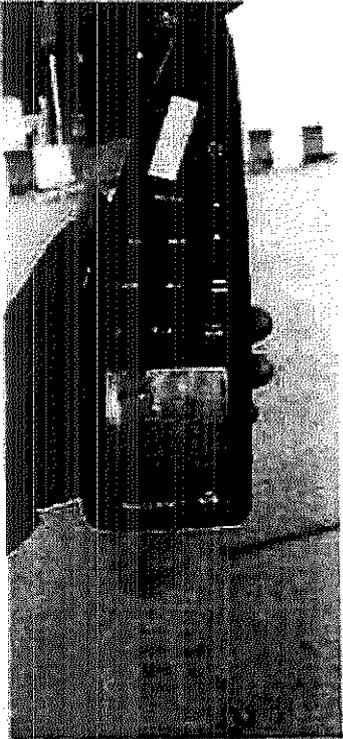
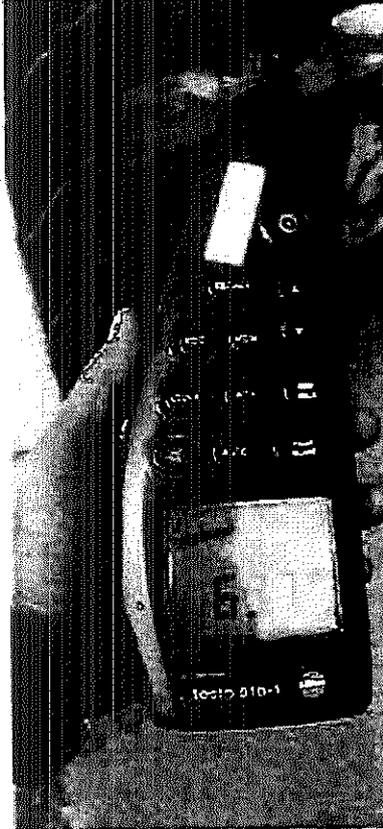
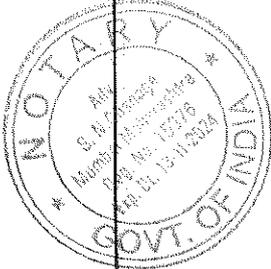
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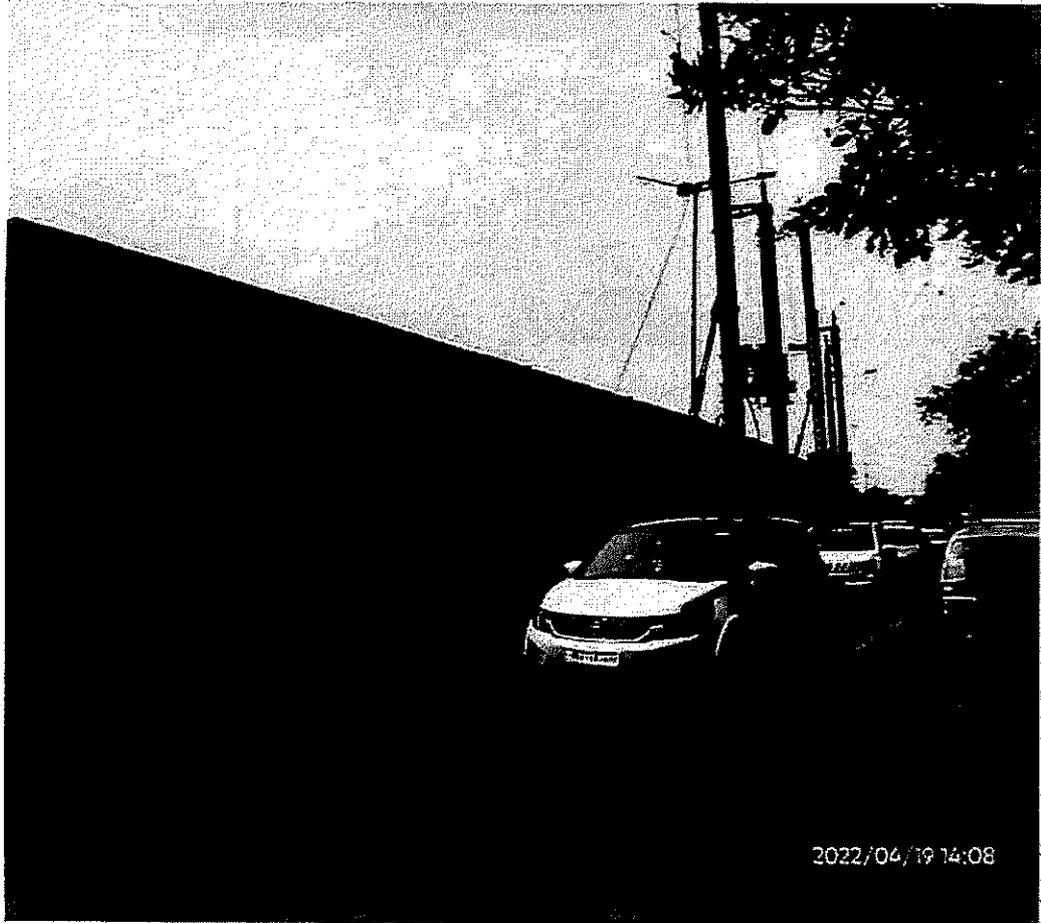
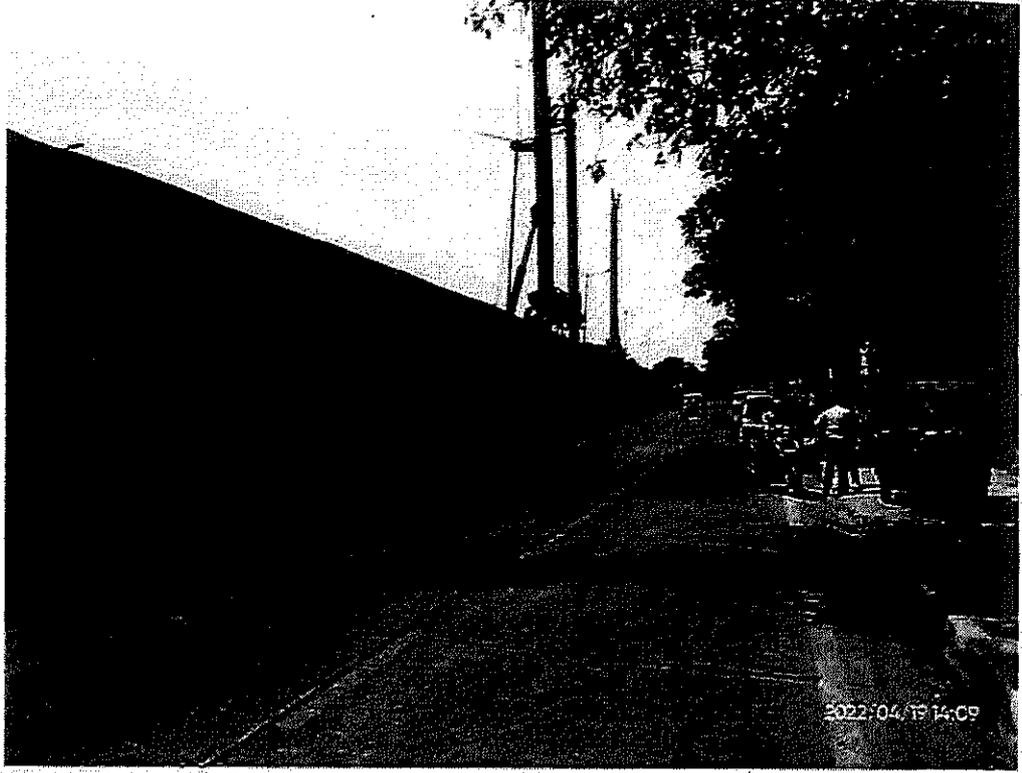


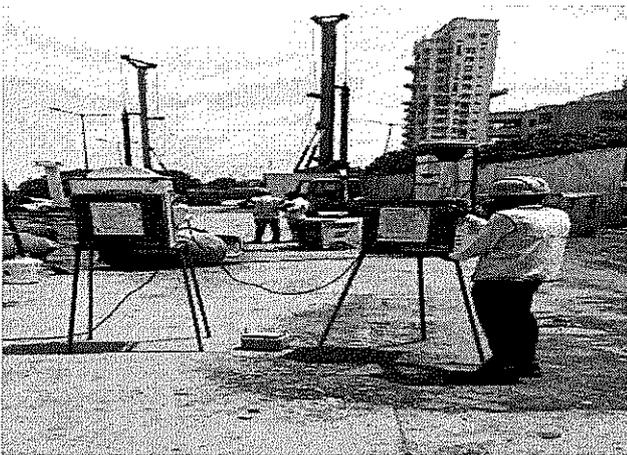
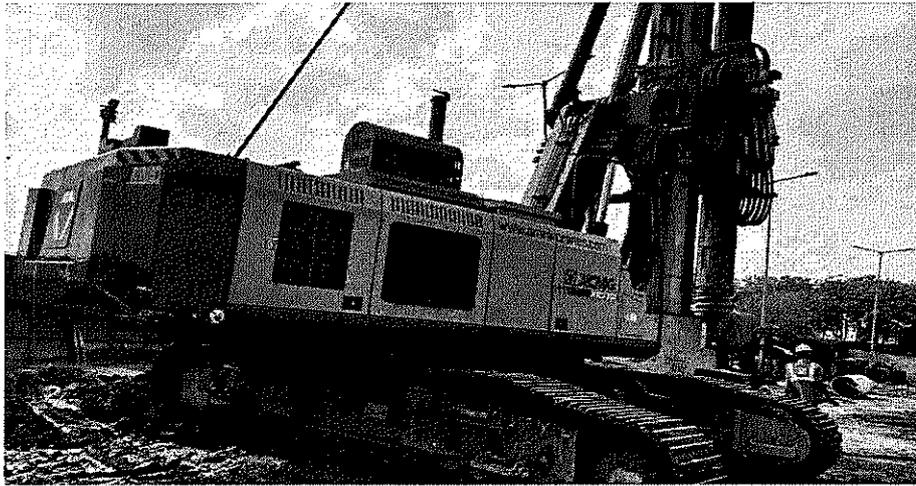
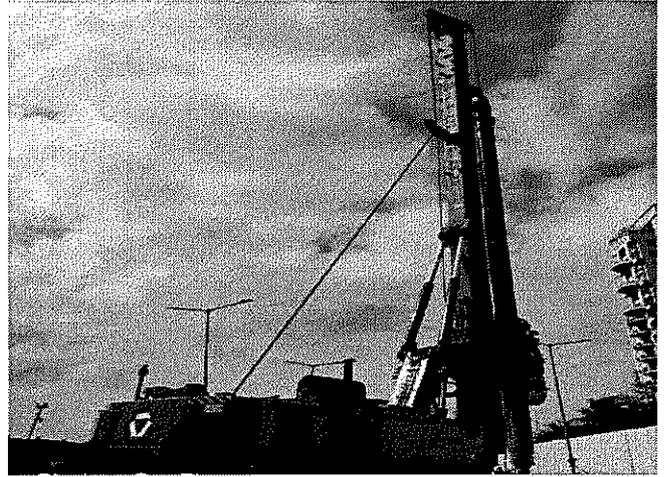
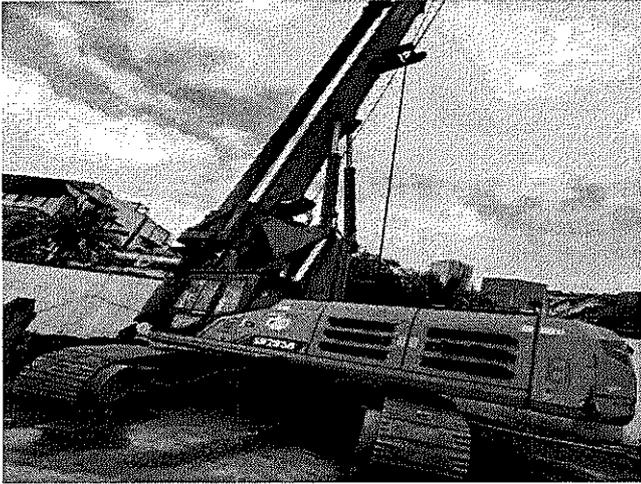
Sr No.	Date and Time	Location	Photos
1	11/05/2022 & 10.05AM	Rig Machine Gate no-5 (Building side)	
2	11/05/2022 & 10.15 AM	Near Rig Machine Gate no-5 (inside) 	

150

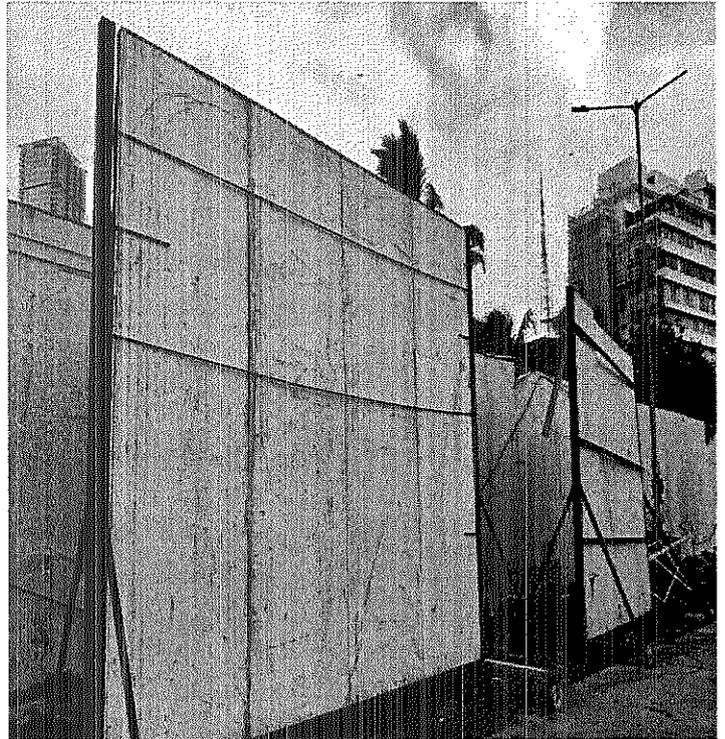
2861

Sr No.	Date and Time	Location	Photos
1	12/05/2022 & 03.05PM	Rig Machine Gate no-5 (Building side)	
2	12/05/2022 & 03.15 PM	Near Rig Machine Gate no-5 (inside)	 

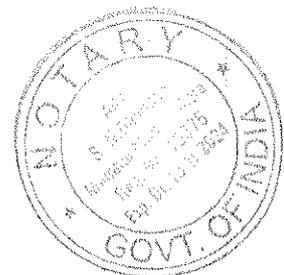


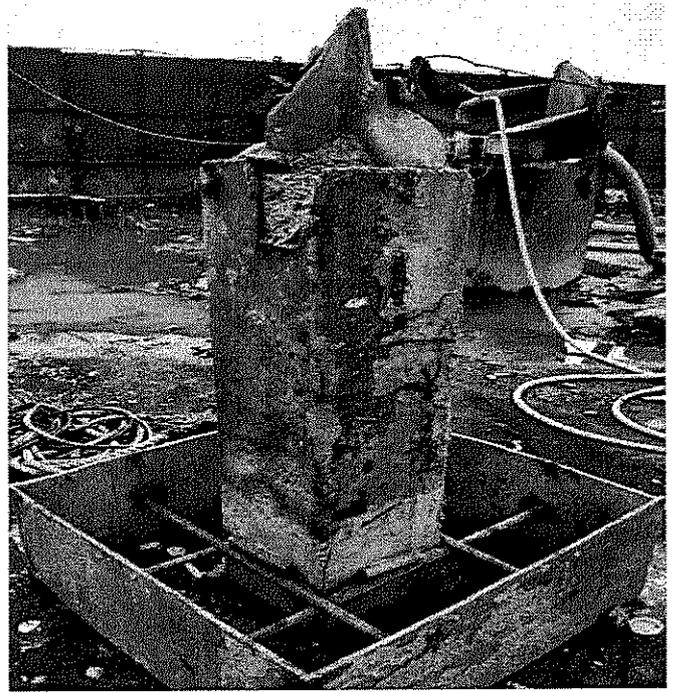
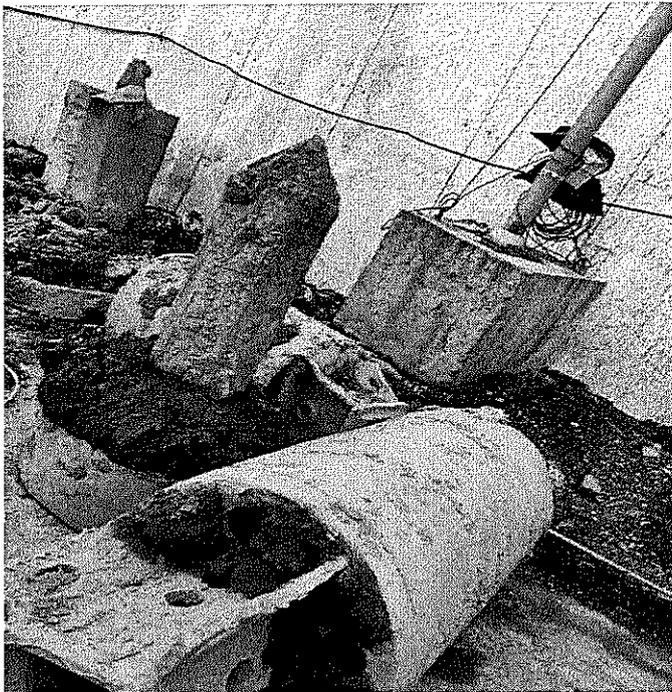


153



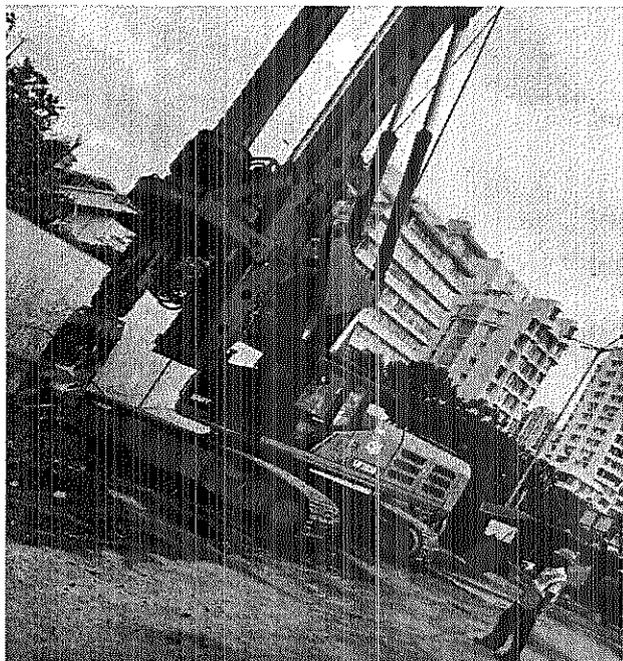
Sr. No 3 Movable & Fixed Noise Barrier Installed at site





155

2866



Exh 2867 I 158



SKYLAB

ANALYTICAL LABORATORY

- ENVIRONMENTAL MONITORING
- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY ENVIRONMENT CONSULTANCY

ULR NO: TC0515022000000748F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO-SAL/FM/58/HCCH/NM(22-23-0177)

REPORT DATE :03/05/2022

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 32.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO.:NM(22-23-0177)

SAMPLING PLAN & METHOD NO. :IS 9989:1981

SAMPLING DATE : 29/04/2022 TO 30/04/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION:Gate No.5, Near Ring Machine

COORDINATES:18° 59' 45.711E" N, 72° 48' 42.1524" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	47.9	67.3	54.7
07.00 to 08.00	48.0	66.6	61.7
08.00 to 09.00	47.4	63.4	61.0
09.00 to 10.00	47.9	65.2	54.4
10.00 to 11.00	47.9	69.1	60.9
11.00 to 12.00	47.4	68.4	61.6
12.00 to 13.00	48.1	67.3	55.6
13.00 to 14.00	51.6	68.3	68.7
14.00 to 15.00	51.5	68.4	72.1
15.00 to 16.00	51.4	66.9	72.1
16.00 to 17.00	51.7	64.3	73.9
17.00 to 18.00	56.6	65.0	76.4
18.00 to 19.00	55.5	61.5	72.0
19.00 to 20.00	57.9	62.4	69.3
20.00 to 21.00	64.5	69.4	67.0
21.00 to 22.00	56.1	68.2	67.1

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	44.7	57.3	62.7
23.00 to 00.00	43.4	56.1	65.4
00.00 to 01.00	44.2	55.0	63.5
01.00 to 02.00	41.3	54.3	62.8
02.00 to 03.00	43.2	50.4	59.3
03.00 to 04.00	44.6	56.3	58.9
04.00 to 05.00	43.8	54.7	54.1
05.00 to 06.00	45.0	57.4	55.9

Category Zone	Limits in dB(A) Leq*	
	Day Time	Night Time
Industrial area	90	90
Commercial area	85	85
Residential area	75	65

*Limit as per Customer Specification

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Leq	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	47.4	69.4	70.5	62.5	57.4	68.8	68.7
Night Time (22.00 Hrs to 06.00Hrs)	45.0	57.4	66.3	58.3	53.7	68.8	59.0

- Note: Construction Activity (6.00AM TO 9.50PM) -1) General Traffic Movement near the site.
2) Construction activity related to Seawall construction.
3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



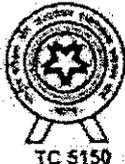
For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

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Page 1 of 1



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Add.: 202, CFC - 3, Asmeeta Tarpa, Adli, Kalyan - Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi,
Dist. Thane, Maharashtra, INDIA. Pincode - 421311
Mob. No. - 9967577309 / 310 / 312 / 9923060058
Email - mails@skylabenviro.com Website - www.skylabenviro.com

SALAC2212020 907978





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ANALYTICAL LABORATORY

- ENVIRONMENTAL MONITORING
- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC051502200000768F

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India		REPORT NO: SAL/FM/58/HCCH/NM(22-23-0219) REPORT DATE: 11/05/2022 CUSTOMER REF : SLQ/19-20/HCCH/255 REF DATE : 12.12.2019	
SAMPLE TYPE: SAMPLE REGISTRATION NO.: NM(22-23-0219) SAMPLING PLAN & METHOD NO.: IS 9989: 1981 SAMPLING DATE : 06/05/2022 TO 07/05/2022		AMBIENT NOISE LEVEL MONITORING SAMPLE COLLECTED BY : SKYLAB SAMPLE LOCATION: Gate No.5, Near Ring Machine COORDINATES: 19° 0' 27.5254" N, 72° 49' 0.8146" E	

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	57.2	97.7	73.2
07.00 to 08.00	66.5	100.1	74.4
08.00 to 09.00	66.7	99.7	74.6
09.00 to 10.00	54.6	107.2	76.7
10.00 to 11.00	53.9	88.9	69.1
11.00 to 12.00	62.6	81.5	71.3
12.00 to 13.00	65.2	106.0	76.6
13.00 to 14.00	60.0	106.6	79.2
14.00 to 15.00	60.0	110.6	79.8
15.00 to 16.00	60.0	101.0	75.2
16.00 to 17.00	69.9	99.1	76.5
17.00 to 18.00	67.4	97.0	74.2
18.00 to 19.00	67.1	106.1	75.7
19.00 to 20.00	64.0	106.0	75.0
20.00 to 21.00	67.0	99.2	74.4
21.00 to 22.00	57.3	107.5	71.5

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	56.3	91.7	68.2
23.00 to 00.00	56.1	91.0	66.5
00.00 to 01.00	51.4	88.0	66.4
01.00 to 02.00	45.6	90.3	65.5
02.00 to 03.00	51.2	84.0	65.5
03.00 to 04.00	46.1	92.2	67.6
04.00 to 05.00	55.9	90.2	65.7
05.00 to 06.00	57.4	90.6	66.4

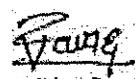
Category Zone	Limits in dB(A) Leq*	
	Day Time	Night Time
Industrial area	90	90
Commercial area	85	85
Residential area	75	65

*Limit as per Customer Specification.

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{eq}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50.0	110.6	75.4	71.9	67.8	73.9	74.1
Night Time (22.00 Hrs to 06.00Hrs)	45.6	92.2	70.4	64.2	58.9		63.6

- Note: Construction Activity (5.00AM TO 9.50PM) -1) General Traffic Movement near the site.
 2) Construction activity related to Seawall construction.
 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
 4) Continuous sound from flow & collision of sea tides.

Verified by 
 Mr. Valbhav Pawar
 Chemist



For SKYLAB ANALYTICAL LABORATORY

 Mr. S. B. Pansare
 Authorized Signatory

END OF REPORT

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ULR NO: TC0515022000008187

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
M/s.HCC-HDC Joint Venture
World Sea Face, Opp. World Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO: SAL/FM/58/HCC/NM/22-23-0301
REPORT DATE: 25/05/2022
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO.: NM/22-23-0301
SAMPLING PLAN & METHOD NO. : IS 9589: 1981
SAMPLING DATE : 23/05/2022 TO 24/05/2022

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION: Gate No.5, Near King Machine
COORDINATES: 19° 0' 50.268" N, 72° 49' 0.641" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	57.0	91.1	69.6
07.00 to 08.00	58.4	84.6	72.2
08.00 to 09.00	57.4	109.1	71.4
09.00 to 10.00	58.0	89.2	69.3
10.00 to 11.00	54.6	95.8	69.5
11.00 to 12.00	57.6	89.9	68.9
12.00 to 13.00	57.0	89.1	68.8
13.00 to 14.00	60.1	91.2	76.1
14.00 to 15.00	59.9	92.0	70.1
15.00 to 16.00	59.3	84.7	70.0
16.00 to 17.00	59.2	88.7	71.1
17.00 to 18.00	57.0	90.8	69.3
18.00 to 19.00	58.5	91.6	70.9
19.00 to 20.00	57.0	83.9	63.9
20.00 to 21.00	57.0	88.4	60.1
21.00 to 22.00	57.0	90.3	68.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	54.7	87.4	68.6
23.00 to 00.00	54.2	83.7	66.6
00.00 to 01.00	56.0	83.7	69.1
01.00 to 02.00	56.2	85.4	68.8
02.00 to 03.00	55.8	85.3	68.6
03.00 to 04.00	55.5	85.8	70.8
04.00 to 05.00	55.4	86.1	69.1
05.00 to 06.00	55.8	80.3	68.6

Category Zone	Limits in dB(A) Leq*	
	Day Time	Night Time
Industrial area	50	90
Commercial area	55	85
Residential area	75	65

*Limit as per Customer Specification

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Leq	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	54.6	109.1	73.1	67.0	81.5	73.1	72.5
Night Time (22.00 Hrs to 06.00Hrs)	54.2	87.4	69.9	63.4	67.5	73.1	64.1

- Note: Construction Activity (6.00AM TO 9.00PM) -1) General Traffic Movement near the site.
2) Construction activity related to Seawall construction.
3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
4) Continuous sound from flow & collision of sea tides.

Verified by Mr. Vaibhav Pawar
Chemist

For SKYLAB ANALYTICAL LABORATORY
 Mr. S. B. Fansate
Authorized Signatory

END OF REPORT

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ULR NO: TC051502200000798F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO: SAL/FM/58/HCC/HNM(22-23-0266)

REPORT DATE : 20/05/2022

CUSTOMER REF : SLQ/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO.: NM(22-23-0266)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 16/05/2022 TO 17/05/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION: Gate No.5, Near Ring Machine

COORDINATES: 19° 0' 50.368" N, 72° 49' 0.641" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	45.3	85.7	52.6
07.00 to 08.00	45.3	73.1	54.8
08.00 to 09.00	45.3	77.3	55.5
09.00 to 10.00	45.5	82.8	57.5
10.00 to 11.00	45.5	116.5	68.1
11.00 to 12.00	57.4	107.0	83.8
12.00 to 13.00	57.4	97.6	74.3
13.00 to 14.00	45.3	95.8	72.1
14.00 to 15.00	45.3	93.4	58.1
15.00 to 16.00	55.9	96.6	65.9
16.00 to 17.00	55.2	89.9	64.5
17.00 to 18.00	51.5	92.6	59.4
18.00 to 19.00	51.7	76.9	57.8
19.00 to 20.00	46.7	83.0	56.8
20.00 to 21.00	45.4	90.8	58.5
21.00 to 22.00	45.4	90.9	61.6

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	45.3	88.3	66.3
23.00 to 00.00	45.5	88.7	59.3
00.00 to 01.00	45.3	93.3	67.4
01.00 to 02.00	45.4	80.5	53.8
02.00 to 03.00	45.3	77.8	57.7
03.00 to 04.00	45.3	77.0	54.7
04.00 to 05.00	45.2	81.7	63.3
05.00 to 06.00	45.0	89.4	60.6

Category Zone	Limits in dB(A) Leq*	
	Day Time	Night Time
Industrial area	90	90
Commercial area	85	85
Residential area	75	65

*Limit as per Customer Specification

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Leq	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	45.3	116.5	67.0	59.3	53.8	72.7	72.7
Night Time (22.00 Hrs to 06.00Hrs)	45.0	93.3	66.2	54.7	48.1		62.3

- Note: Construction Activity (6.00AM TO 9.50PM) -
- 1) General Traffic Movement near the site.
 - 2) Construction activity related to Seawall construction.
 - 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
 - 4) Continuous sound from flow & collision of sea tides.

Verified by

Signature
Mr. Vaibhav Pawar
Chemist

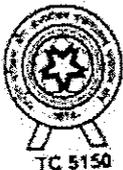
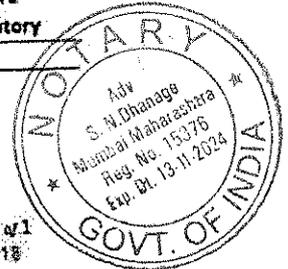


For SKYLAB ANALYTICAL LABORATORY

Signature
Mr. S. B. Pansare
Authorized Signatory

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ULR NO: TC051502200000788F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO: SAL/FM/SB/HCCH/NM(22-23-0250)

REPORT DATE : 18/05/2022

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO.: (NM(22-23-0250)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 13/05/2022 TO 14/05/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION: Gate No.5, Near Ring Machine

COORDINATES: 19° 0' 48.474" N, 72° 49' 0.709" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	45.4	73.1	50.5
07.00 to 08.00	45.5	84.5	53.5
08.00 to 09.00	45.4	104.8	52.8
09.00 to 10.00	45.6	98.8	57.5
10.00 to 11.00	49.2	88.6	62.6
11.00 to 12.00	52.6	80.9	66.5
12.00 to 13.00	50.4	102.0	67.5
14.00 to 15.00	63.2	105.2	63.6
15.00 to 16.00	54.8	97.2	65.5
16.00 to 17.00	49.5	107.2	75.0
17.00 to 18.00	47.2	85.1	58.5
18.00 to 19.00	45.5	74.3	56.4
19.00 to 20.00	45.5	81.3	52.9
20.00 to 21.00	45.5	75.6	53.7
21.00 to 22.00	46.6	85.9	78.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	63.2	91.8	71.3
23.00 to 00.00	71.3	83.2	72.0
00.00 to 01.00	45.5	80.0	61.8
01.00 to 02.00	45.7	93.4	67.3
02.00 to 03.00	44.4	72.5	57.2
03.00 to 04.00	41.0	85.2	73.6
04.00 to 05.00	41.0	78.9	46.1
05.00 to 06.00	42.0	86.4	46.3

Category Zone	Limits in dB(A) Leq*	
	Day Time	Night Time
Industrial area	90	90
Commercial area	85	85
Residential area	75	65

*Limit as per Customer Specification

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Leq	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	45.4	107.2	66.4	58.7	52.3	72.6	71.6
Night Time (22.00 Hrs to 06.00Hrs)	41.0	93.4	65.2	56.4	51.2		64.0

Note: Construction Activity (6.00AM TO 9.30PM) -1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Signature
Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Signature
Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

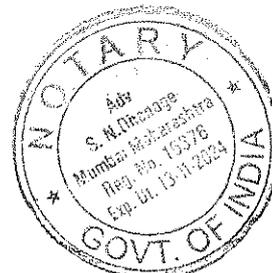
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ULR NO: TC0515022D00000778F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO: SAL/FM/58/HCC/HNM(22-23-0227)

REPORT DATE : 13/05/2022

CUSTOMER REF : SLQ/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO.: NM(22-23-0227)

SAMPLING PLAN & METHOD NO. : S 9989: 1981

SAMPLING DATE : 09/05/2022 TO 10/05/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION: Gate No.5, Near Ring Machine

COORDINATES: 19° 0' 45.671" N, 72° 49' 1.045" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	45.3	73.5	52.8
07.00 to 08.00	45.3	78.6	52.6
08.00 to 09.00	46.5	78.6	53.3
09.00 to 10.00	45.3	79.2	53.8
10.00 to 11.00	45.3	79.2	53.3
11.00 to 12.00	45.7	75.8	54.7
12.00 to 13.00	47.2	68.9	55.7
13.00 to 14.00	52.5	81.5	63.3
14.00 to 15.00	55.3	81.9	64.2
15.00 to 16.00	56.0	81.8	65.4
16.00 to 17.00	56.1	83.6	65.7
17.00 to 18.00	55.1	103.8	65.9
18.00 to 19.00	46.5	99.4	69.0
19.00 to 20.00	47.6	110.9	70.3
20.00 to 21.00	45.3	84.1	63.0
21.00 to 22.00	45.3	78.0	53.6

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	52.6	95.3	63.6
23.00 to 00.00	48.1	83.4	60.6
00.00 to 01.00	48.2	86.4	57.7
01.00 to 02.00	45.5	80.7	54.0
02.00 to 03.00	45.7	74.7	54.1
03.00 to 04.00	45.6	84.5	62.3
04.00 to 05.00	40.4	82.7	53.9
05.00 to 06.00	45.4	80.2	54.5

Category Zone	Limits in dB(A) Leq*	
	Day Time	Night Time
Industrial area	90	90
Commercial area	85	85
Residential area	75	85

*Limit as per Customer Specification

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Leq	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	45.3	110.9	64.2	57.0	52.0	74.0	73.8
Night Time (22.00 Hrs to 06.00 Hrs)	40.4	95.3	63.3	55.0	51.1		64.3

- Note: Construction Activity (6.00AM TO 9.30PM) - 1) General Traffic Movement near the site.
2) Construction activity related to Seawall construction.
3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
4) Continuous sound from flow & collision of sea tides.

Verified by .

Mr. Vaibhav Pawar
Mr. Vaibhav Pawar
Chemist

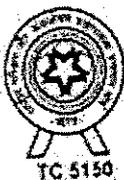
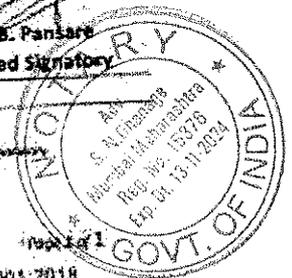


For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Mr. S. B. Pansare
Authorized Signatory

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ULN NO: TC051502200000758F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Work Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/FM/58/HCC/HM(22-23-0194)

REPORT DATE :09/05/2022

CUSTOMER REF :51Q/19-20/HCC/255

REF DATE :12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO.:NM(22-23-0194)

SAMPLING PLAN & METHOD NO. :IS 9989:1981

SAMPLING DATE :02/05/2022 TO 03/05/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION:Gate No.5, Near Ring Machine

COORDINATES:18° 59' 56.712" N, 72° 48' 40.159" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06:00 to 07:00	45.4	73.4	60.2
07:00 to 08:00	45.3	72.7	60.9
08:00 to 09:00	45.3	69.2	73.8
09:00 to 10:00	62.0	68.0	74.2
10:00 to 11:00	57.6	72.5	74.1
11:00 to 12:00	45.8	71.4	75.2
12:00 to 13:00	45.8	73.9	68.4
13:00 to 14:00	51.2	75.3	66.0
14:00 to 15:00	46.6	74.9	63.0
15:00 to 16:00	45.6	79.8	55.1
16:00 to 17:00	45.4	77.2	51.8
17:00 to 18:00	45.4	73.6	59.0
18:00 to 19:00	45.1	69.9	71.5
19:00 to 20:00	51.2	73.5	60.6
20:00 to 21:00	45.1	77.0	63.1
21:00 to 22:00	45.2	74.6	53.8

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22:00 to 23:00	45.6	58.2	66.7
23:00 to 00:00	45.3	60.4	53.1
00:00 to 01:00	45.4	62.3	70.1
01:00 to 02:00	45.4	55.7	54.9
02:00 to 03:00	46.5	59.7	58.8
03:00 to 04:00	46.8	57.9	63.2
04:00 to 05:00	45.3	56.0	58.7
05:00 to 06:00	44.1	55.0	56.6

Category Zone	Limits in dB(A) Leq*	
	Day Time	Night Time
Industrial area	90	90
Commercial area	85	85
Residential area	75	65

*Limit as per Customer Specification

Noise Level Monitoring Report Summary

Time	Min.	Max.	L50	L50	L90	Leq	L10 dB(A)
Day Time (06:00 Hrs to 22:00 Hrs)	45.3	79.8	63.4	59.0	52.8	64.8	65.0
Night Time (22:00 Hrs to 06:00Hrs)	44.1	62.3	66.2	56.3	51.4	64.8	54.5

Note: Construction Activity (6.00AM TO 9.50PM) -1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

Verified by

Signature

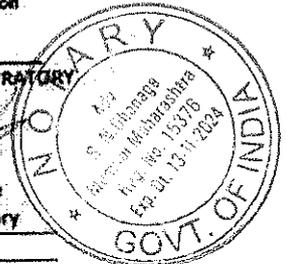
Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Signature

Mr. S. B. Pansare
Authorized Signatory



END OF REPORT

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Dist. Thane, Maharashtra, INDIA. Pincode - 421311
Mob. No. - 9867577309 / 310 / 312 / 9930060058
Email - mails@skylabenviro.com Website - www.skylabenviro.com

SALAC2212020907988

TC 5150



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- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

URL NO: TC051502200000808F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s. HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO: SAL/FM/SB/HCCH/NM(22-23-0295)

REPORT DATE : 25/05/2022

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO.: NM(22-23-0295)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 20/05/2022 TO 21/05/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION: Gate No.5, Near Ring Machine

COORDINATES: 19° 0' 50.268" N, 72° 49' 0.641" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	55.9	86.1	70.2
07.00 to 08.00	56.7	93.5	66.0
08.00 to 09.00	58.1	82.8	69.3
09.00 to 10.00	55.7	104.8	68.2
10.00 to 11.00	56.5	92.5	69.8
11.00 to 12.00	57.0	90.6	69.4
12.00 to 13.00	55.7	95.8	79.6
13.00 to 14.00	62.3	81.6	82.9
14.00 to 15.00	58.5	85.2	69.2
15.00 to 16.00	58.3	87.3	68.0
16.00 to 17.00	58.6	92.6	68.5
17.00 to 18.00	57.8	88.6	69.3
18.00 to 19.00	61.3	81.6	67.5
19.00 to 20.00	58.1	90.8	68.0
20.00 to 21.00	56.2	85.0	63.3
21.00 to 22.00	56.3	84.3	60.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	55.9	78.7	57.0
23.00 to 00.00	56.0	85.7	66.7
00.00 to 01.00	55.7	80.4	60.9
01.00 to 02.00	56.2	81.6	64.7
02.00 to 03.00	56.0	82.9	65.1
03.00 to 04.00	57.4	81.2	65.3
04.00 to 05.00	55.4	78.1	63.0
05.00 to 06.00	55.6	81.5	60.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	90	90
Commercial area	85	85
Residential area	75	65

*Limit as per Customer Specification

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Lmax	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	55.7	104.8	73.1	67.3	62.7	73.8	73.8
Night Time (22.00 Hrs to 06.00 Hrs)	52.4	85.7	66.9	61.0	56.3		63.8

Note: Construction Activity (6.00AM TO 9.50PM) -1) General Traffic Movement near the site.

- 2) Construction activity related to Seawall construction.
- 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
- 4) Continuous sound from flow & collision of sea tides.

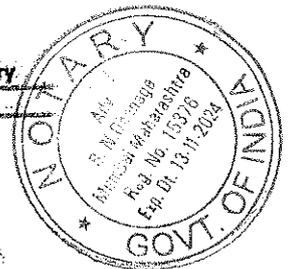
Verified by

Vaibhav Pawar
Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

S. B. Pansare
Mr. S. B. Pansare
Authorized Signatory



END OF REPORT

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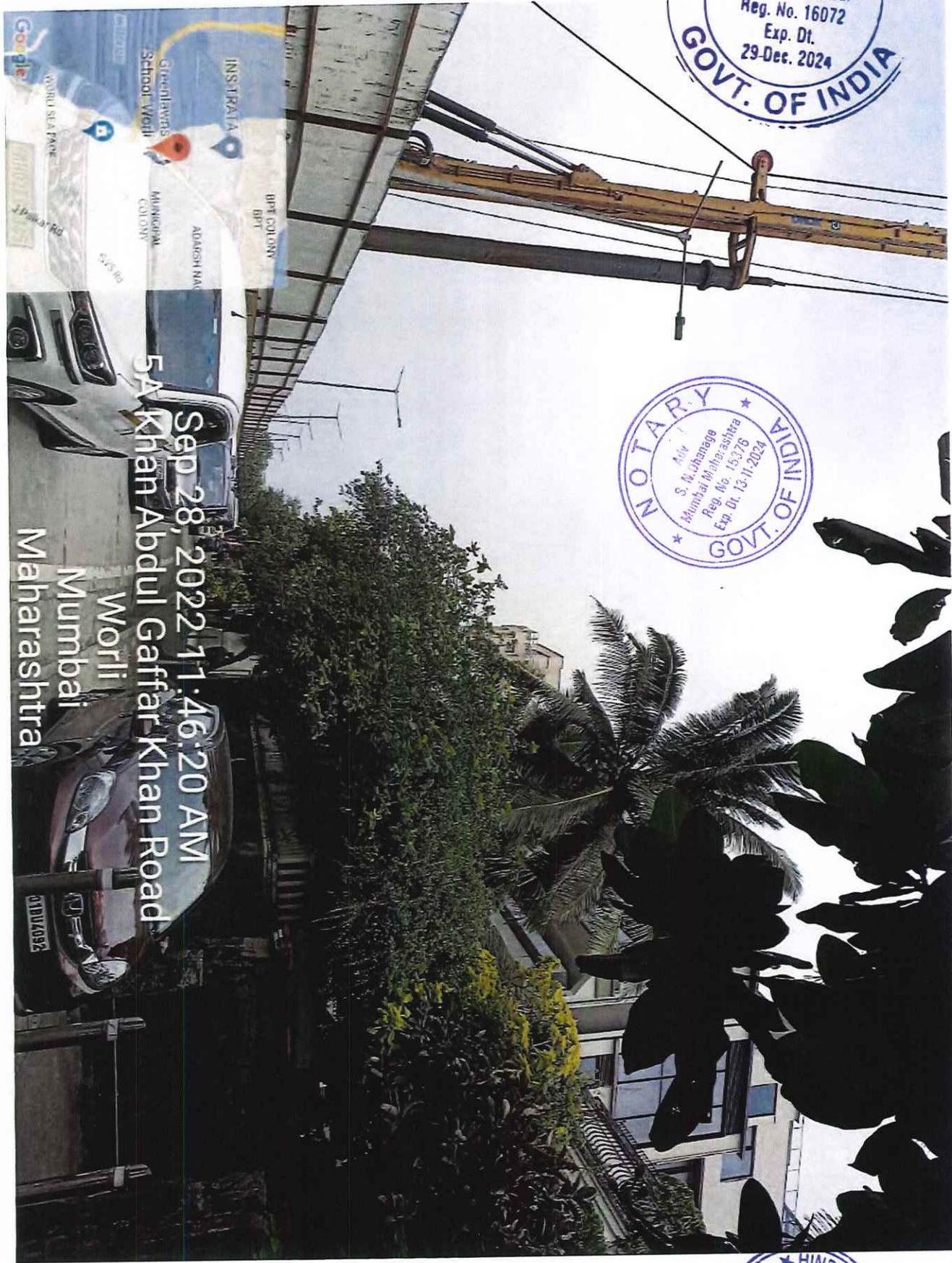
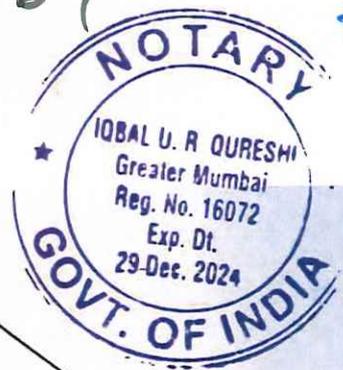
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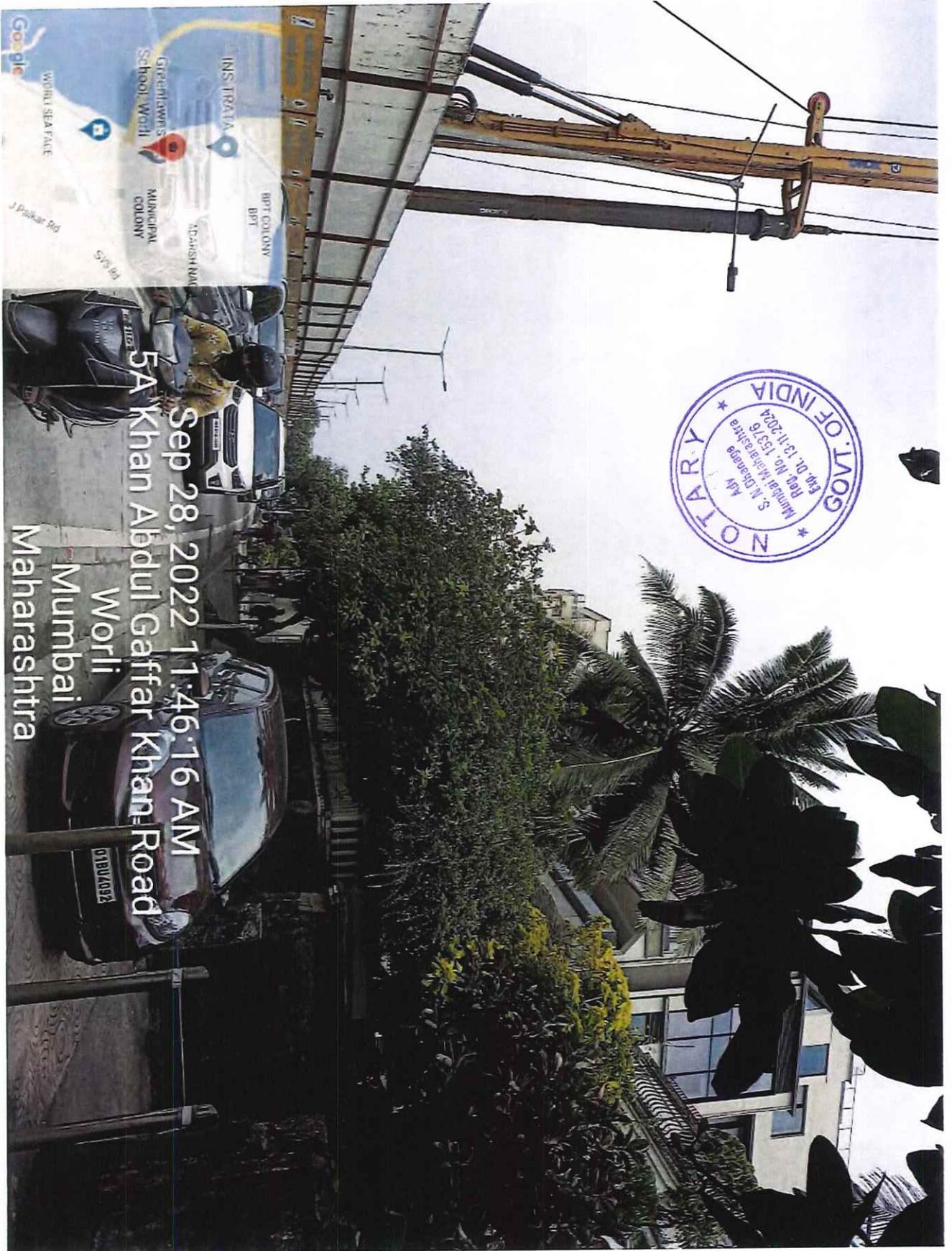
Exhibit J
2875
Annexure I

169

161



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Worli
Mumbai
Maharashtra

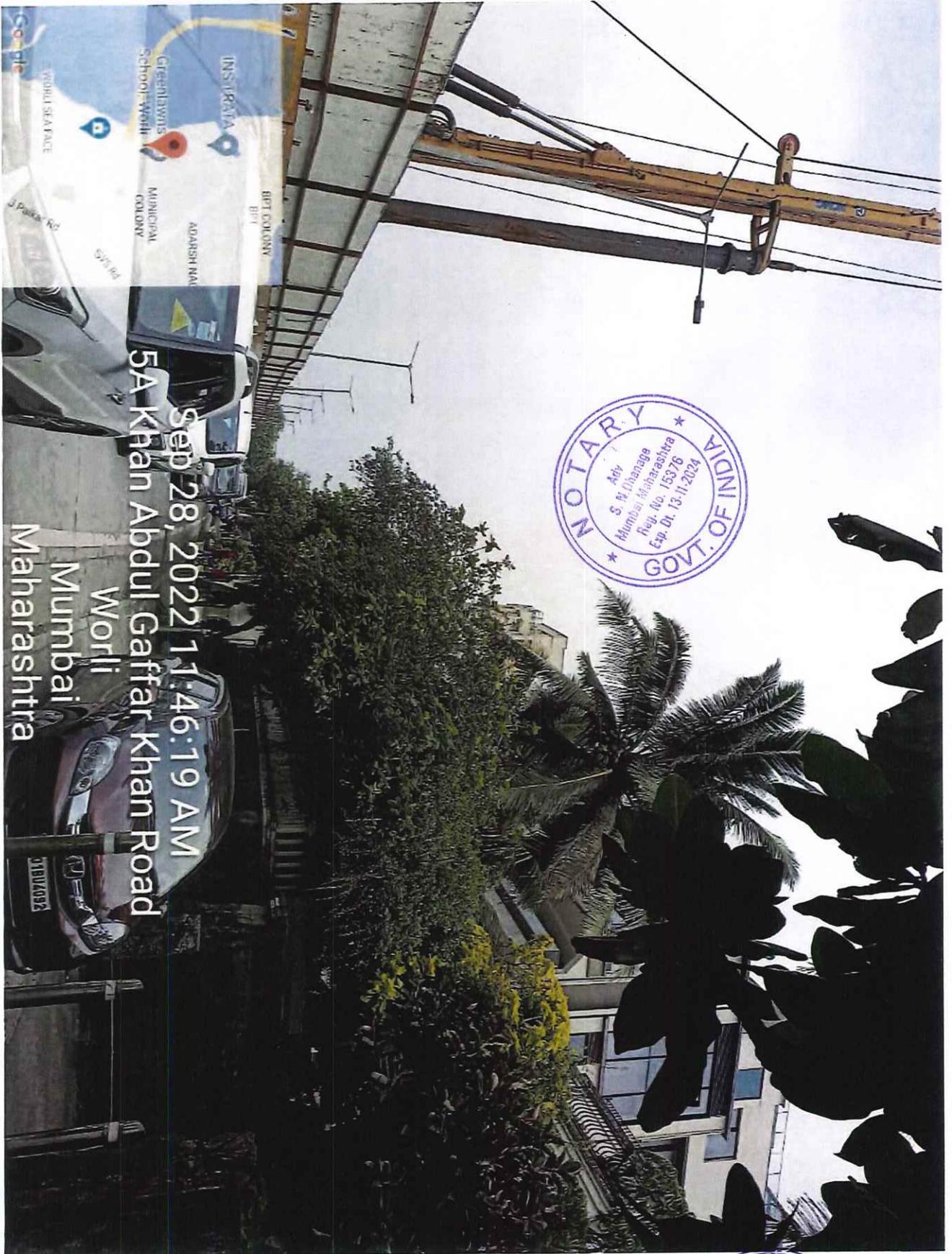


NOTARY
 S. N. Dhanoo
 Reg. No. 15315
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 Mumbai, Maharashtra
 INDIA

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 Worli
 Mumbai
 Maharashtra

Reg. No. 16072
 Exp. Dt. 29-Dec-2024
 GOVT. OF INDIA

HINDUSTAN
 CONSTRUCTION COMPANY LTD.



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 Worli
 Mumbai
 Maharashtra

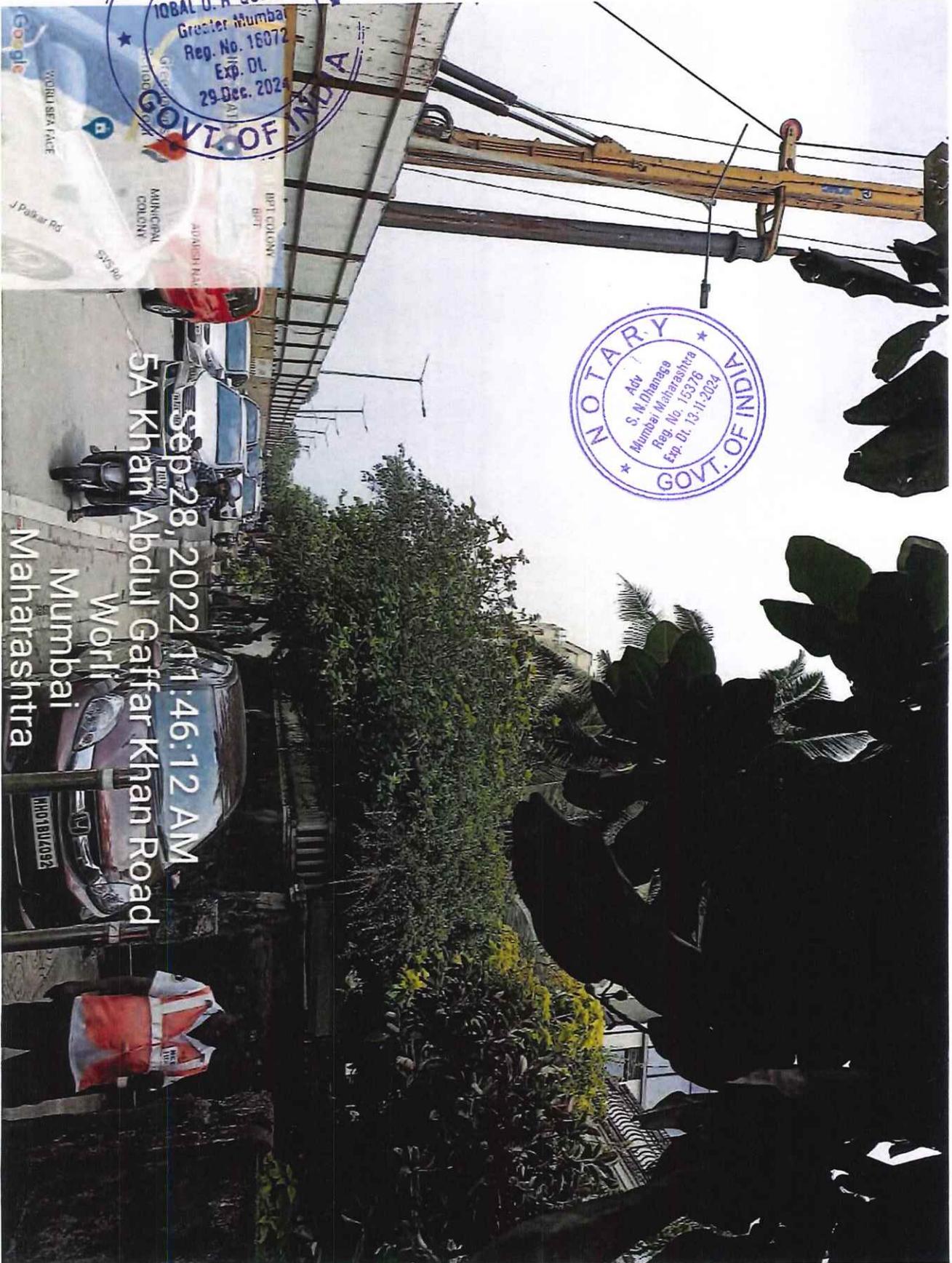
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 Greater Mumbai
 Reg. No. 16072
 Exp. Dt.
 29-Dec-2024
 GOVT. OF INDIA

HINDUSTAN CONSTRUCTION COMPANY LTD.

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NOTARY
 TOBAL U. R. QURESHI
 Greater Mumbai
 Reg. No. 16072
 Exp. Dt. 29-Dec-2024

NOTARY
 S. M. Dhasaragi
 Mumbai Maharashtra
 Reg. No. 15376
 Exp. Dt. 13-11-2024

Sep-28, 2022 11:46:12 AM
 SA Khan Abdul Gaffar Khan Road
 Worli
 Mumbai
 Maharashtra

HINDUSTAN CONSTRUCTION COMPANY LTD.



Sep 28, 2022 11:46:04 AM
 5A Khan Abdul Gaffar Khan Road
 Worli
 Mumbai
 Maharashtra

NOTARY
 GOVT. OF INDIA
 Adv. S. N. Dhanage
 Mumbai Maharashtra
 Reg. No. 15376
 Exp. Dt. 13-11-2024

GOVT. OF INDIA
 S. N. Dhanage
 Greater Mumbai
 Reg. No. 16072
 Exp. Dt. 29-Dec. 2024

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2880/69

166



NOTARY IN INDIA
 Adv. S. N. Dhange
 Mumbai Maharashtra
 Reg. No. 16376
 Exp. Dt. 13-11-2024



Sep 28, 2022 11:39:48 AM

NOTARY
 S. N. D. SHRESHI
 Mumbai
 Reg. No. 11682
 Exp. Dt. 13-11-2024
 GOVT. OF INDIA





NOTARY
S. M. Dharege
Mumbai Maharashtra
Reg. No. 15371
Exp. Dt. 18-11-2024
GOVT. OF INDIA

NOTARY
IOBAL U. R. QURESHI
Greater Mumbai
Reg. No. 16072
Exp. Dt.
29-Dec. 2024
GOVT. OF INDIA

HINDUSTAN CONSTRUCTION COMPANY LTD.
[Signature]

2882

171

~~168~~



NOTARY
Adv. M. Dhananjay S. M. Kashtra
Mumbai, Maharashtra
Reg. No. 15376
Exp. Dt. 13-11-2024
GOVT. OF INDIA

NOTARY
ADAL U. R. DURECHI
Greater Mumbai
Reg. No. 15072
Exp. Dt. 29-Dec-2024
GOVT. OF INDIA

HINDUSTAN CONSTRUCTION COMPANY LTD.
HINDUSTAN CONSTRUCTION COMPANY LTD.

2883

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169



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2884

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Sep 28, 2022 11:48:50 AM

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 Greater Mumbai
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 Exp. Dt. 29-Dec-2024
GOVT. OF INDIA

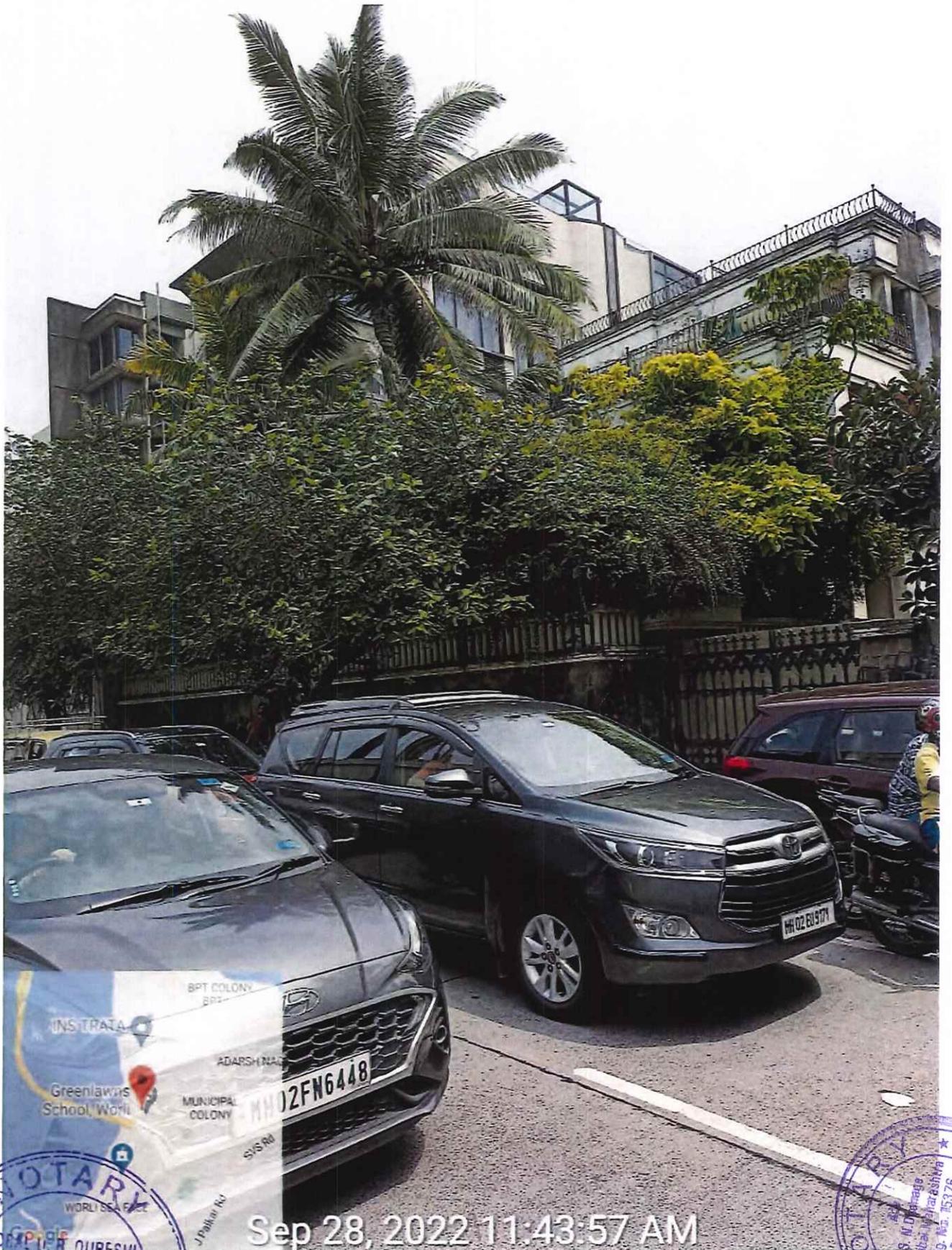
HINDUSTAN CONSTRUCTION COMPANY LTD.

NOTARY
 Advy
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 Mumbai Maharashtra
 Reg. No. 15376
 Exp. Dt. 13-11-2024
GOVT. OF INDIA

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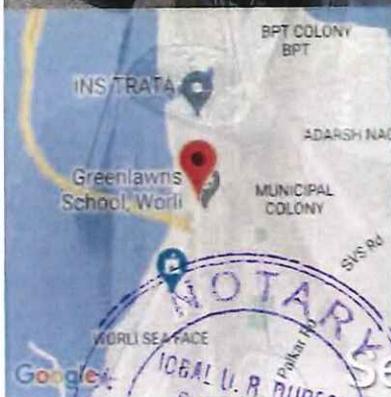
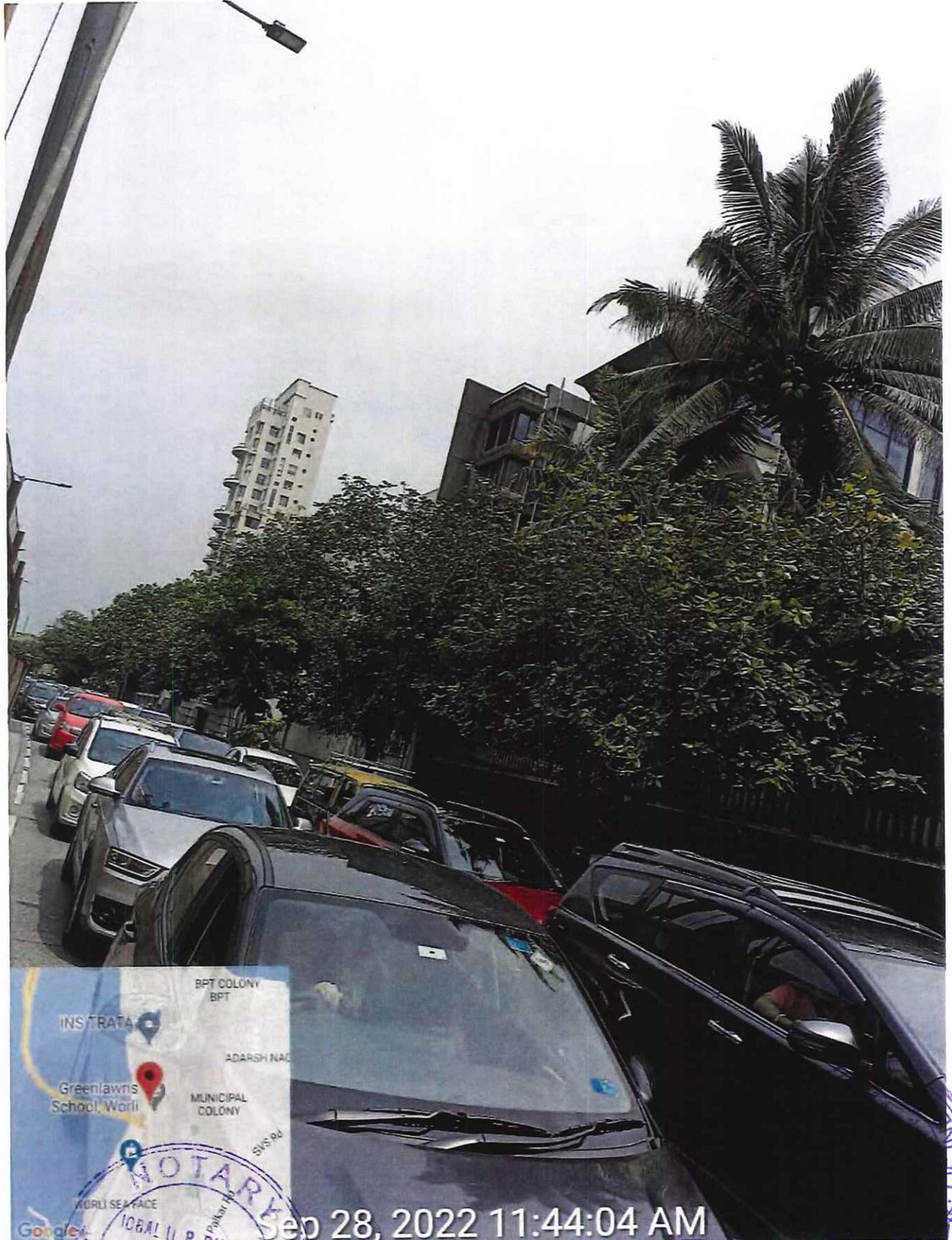
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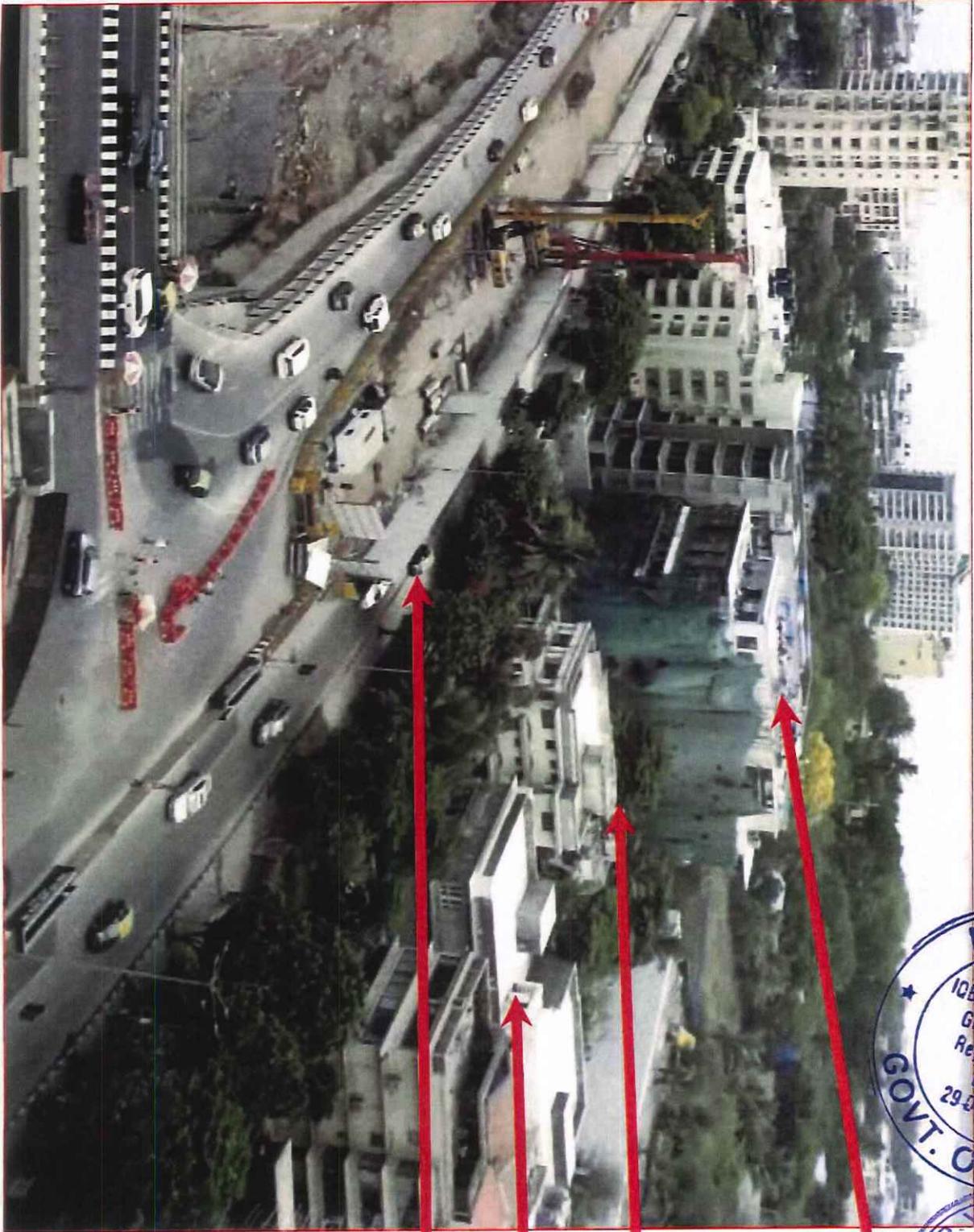
175

172



Sep 28, 2022 11:44:04 AM





Noise Barrier

Greenlawns School

Sashideep Building

Construction activity in adjacent building



TRUE COPY For A V P Partners

Partner Advocates & Solicitors





Exhibit K
2888
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- ELEMENTAL ANALYSIS
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CLR NO: TC0515022000003744F

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India	REPORT NO :SAL/FM/58/HCCH/NM(22-23-0819A) REPORT DATE :18/08/2022 CUSTOMER REF :SLQ/19-20/HCCH/255 REF DATE :12.12.2019
--	--

SAMPLE TYPE: SAMPLE REGISTRATION NO. :NM(22-23-0819A) SAMPLING PLAN & METHOD NO. :IS 9989: 1981 SAMPLING DATE :14/08/2022 TO 15/08/2022	AMBIENT NOISE LEVEL MONITORING SAMPLE COLLECTED BY : SKYLAB SAMPLE LOCATION :Gate No.5, Near Ring Machine COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E
--	---

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	52.6	106.1	71.1
07.00 to 08.00	52.3	103.5	67.8
08.00 to 09.00	56.8	102.7	69.0
09.00 to 10.00	61.8	93.0	73.3
10.00 to 11.00	73.6	94.8	75.1
11.00 to 12.00	61.6	105.8	78.1
12.00 to 13.00	52.6	106.1	73.1
13.00 to 14.00	60.0	107.4	70.5
14.00 to 15.00	55.3	107.7	70.7
15.00 to 16.00	57.6	110.6	71.3
16.00 to 17.00	60.0	110.7	71.6
17.00 to 18.00	55.1	110.7	71.5
18.00 to 19.00	60.0	105.3	71.6
19.00 to 20.00	58.9	103.6	74.0
20.00 to 21.00	53.4	107.8	78.9
21.00 to 22.00	60.0	107.4	61.6

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	56.0	71.4	65.9
23.00 to 00.00	54.5	69.3	65.2
00.00 to 01.00	58.4	75.2	65.6
01.00 to 02.00	60.2	91.9	66.7
02.00 to 03.00	54.4	97.9	77.1
03.00 to 04.00	57.0	96.9	72.7
04.00 to 05.00	68.0	85.1	69.7
05.00 to 06.00	50.4	97.7	74.4

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Low	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	52.3	110.7	76.4	68.4	62.5	75.0	73.4
Night Time (22.00 Hrs to 06.00Hrs)	50.4	97.9	72.4	67.4	62.8		67.1

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.
2) No Work activity carried out at this location.

Verified by

Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

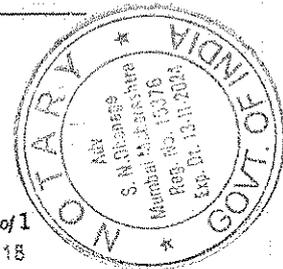
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Dist. Thane, Maharashtra, INDIA, Pincode - 421311
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2889



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ULR NO: TC0515022000003745F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/FM/58/HCCH/NM(22-23-08198)

REPORT DATE :18/08/2022

CUSTOMER REF :SLQ/19-20/HCCH/255

REF DATE :12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :NM(22-23-08198)
SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE :15/08/2022 to 16/08/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION :Gate No.5, Near Ring Machine
COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	48.8	110.6	76.7
07.00 to 08.00	50.9	101.3	72.8
08.00 to 09.00	50.1	112.4	71.7
09.00 to 10.00	53.9	102.1	69.9
10.00 to 11.00	59.7	112.2	78.6
11.00 to 12.00	62.3	111.6	65.9
12.00 to 13.00	54.8	102.4	66.5
13.00 to 14.00	56.1	111.4	75.1
14.00 to 15.00	60.1	102.2	74.5
15.00 to 16.00	58.9	97.2	69.0
16.00 to 17.00	61.4	106.9	76.5
17.00 to 18.00	60.1	107.6	74.7
18.00 to 19.00	60.7	108.8	79.2
19.00 to 20.00	59.7	99.8	76.5
20.00 to 21.00	57.9	105.1	72.0
21.00 to 22.00	57.6	96.8	69.5

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	45.3	90.4	66.0
23.00 to 00.00	48.1	93.0	66.9
00.00 to 01.00	50.6	93.4	68.2
01.00 to 02.00	51.4	89.3	67.4
02.00 to 03.00	53.1	88.5	66.0
03.00 to 04.00	51.6	89.4	66.4
04.00 to 05.00	51.4	91.4	68.1
05.00 to 06.00	51.6	93.4	66.4

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{eq}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.8	112.4	78.1	69.3	63.5	74.1	71.2
Night Time (22.00 Hrs to 06.00Hrs)	45.3	93.4	69.1	65.5	60.1		67.0

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines for Industrial Area.

Note: Construction Activity (6.00AM TO 9.50PM) – 1) General Traffic Movement near the site.
2) No Work activity carried out at this location.

Verified by

Mr. Valbhav Pawar
Chemist

For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

1. This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing
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Dist. Thane, Maharashtra, INDIA, Pincode - 421311
Mob. No. - 9887577309 / 310 - 312 - 908060058
Email - enquiry@skylab-analytical.com Website - www.skylab-analytical.com



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- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC0515022000003829F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCH/NM(22-23-0723A)

REPORT DATE : 22/08/2022

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(22-23-0723A)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 19/08/2022 TO 20/08/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Gate No.5, Near Ring Machine
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	61.4	78.1	67.2
07.00 to 08.00	62.9	82.2	69.8
08.00 to 09.00	63.8	112.6	70.6
09.00 to 10.00	64.0	88.6	72.2
10.00 to 11.00	65.5	87.6	71.6
11.00 to 12.00	62.6	106.5	72.2
12.00 to 13.00	66.3	68.9	74.5
13.00 to 14.00	60.0	81.5	74.2
14.00 to 15.00	62.3	87.7	74.3
15.00 to 16.00	64.8	106.0	73.7
16.00 to 17.00	63.0	100.8	73.5
17.00 to 18.00	61.9	87.8	73.0
18.00 to 19.00	65.4	87.4	73.2
19.00 to 20.00	64.3	82.8	69.3
20.00 to 21.00	68.1	81.6	67.4
21.00 to 22.00	67.8	80.6	67.4

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	61.9	88.4	68.9
23.00 to 00.00	59.3	91.0	67.7
00.00 to 01.00	57.2	82.8	65.2
01.00 to 02.00	56.1	89.4	64.9
02.00 to 03.00	54.3	92.5	64.2
03.00 to 04.00	56.0	93.4	64.6
04.00 to 05.00	56.6	90.8	65.9
05.00 to 06.00	58.9	87.1	66.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Leq	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	60.0	112.6	77.8	67.6	63.3	74.0	72.1
Night Time (22.00 Hrs to 06.00Hrs)	54.3	93.4	69.9	64.9	61.7		66.3

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines for Industrial Area.

- Note: Construction Activity (6.00AM TO 9.50PM) -
- 1) General Traffic Movement near the site.
 - 2) Construction activity related to Seawall construction.
 - 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
 - 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist



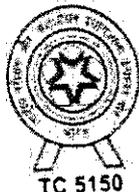
For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

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Dist Thane, Maharashtra, INDIA, Pincode - 421311
Mob No. - 9867577309 / 310 / 312 / 9930060058
Email - mail@skylabmumbai.com Website - www.skylabmumbai.com

SALAC2322020602321



2891



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ANALYTICAL LABORATORY

- ENVIRONMENTAL MONITORING
- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India.

REPORT NO : SAL/FM/58/HCCH/NM(22-23-0723B)

REPORT DATE : 22/08/2022

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : NM(22-23-723B)

SAMPLING PLAN & METHOD NO. : IS 9989: 1981

SAMPLING DATE : 20/08/2022 TO 21/08/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Gate No.5, Near Ring Machine

COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	46.2	76.7	56.9
07.00 to 08.00	47.2	94.2	61.2
08.00 to 09.00	51.3	83.8	61.9
09.00 to 10.00	46.3	107.2	61.9
10.00 to 11.00	46.2	78.7	56.6
11.00 to 12.00	46.9	94.2	60.3
12.00 to 13.00	51.3	83.8	62.1
13.00 to 14.00	43.8	105.8	70.3
14.00 to 15.00	66.4	90.3	70.0
15.00 to 16.00	66.4	90.4	70.8
16.00 to 17.00	65.8	93.9	71.6
17.00 to 18.00	65.9	93.9	76.2
18.00 to 19.00	57.3	92.2	74.3
19.00 to 20.00	69.6	95.8	75.3
20.00 to 21.00	49.8	84.8	75.7
21.00 to 22.00	46.9	95.3	58.7

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	47.3	77.4	57.3
23.00 to 00.00	47.2	98.2	56.4
00.00 to 01.00	45.3	83.8	55.4
01.00 to 02.00	44.1	75.6	53.4
02.00 to 03.00	42.9	65.7	55.5
03.00 to 04.00	42.3	62.6	50.3
04.00 to 05.00	43.5	68.9	52.2
05.00 to 06.00	44.1	78.7	54.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

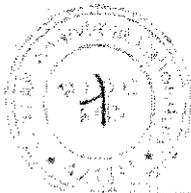
Time	Min.	Max.	L10	L50	L90	Low	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	43.8	107.2	70.0	64.9	60.5	71.3	70.9
Night Time (22.00 Hrs to 06.00Hrs)	42.3	98.2	64.1	57.9	50.6		61.9

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines for Industrial Area.

- Note: Construction Activity (6.00AM TO 9.50PM) –
- 1) General Traffic Movement near the site.
 - 2) Construction activity related to Seawall construction.
 - 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
 - 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Mr. Vaibhav Pawar
Chemist

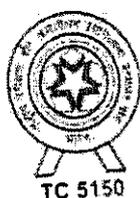


For SKYLAB ANALYTICAL LABORATORY

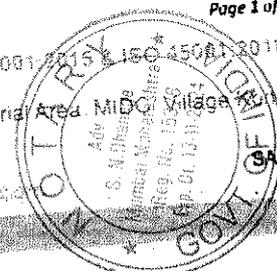
Mr. S. B. Pansare
Mr. S. B. Pansare
Authorized Signatory

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 Dist Thane, Maharashtra INDIA. Pincode - 421311
 Mob. No. - 9867577309 / 310 / 312 / 94 30060058
 Email - enquiries@skylabindia.com Website - www.skylabindia.com
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- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TCUS15D22000003831F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/FM/58/HCCCH/NM(22-23-0723C)
REPORT DATE : 22/08/2022
CUSTOMER REF : SLO/19-20/HCCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. : NM(22-23-0723C)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 21/08/2022 TO 22/08/2022

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Gate No.5, Near Ring Machine
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	56.0	79.9	68.7
07.00 to 08.00	57.7	111.2	74.2
08.00 to 09.00	56.9	111.6	79.4
09.00 to 10.00	54.6	110.6	79.7
10.00 to 11.00	55.8	95.8	67.4
11.00 to 12.00	59.3	103.7	68.4
12.00 to 13.00	56.0	79.9	79.9
13.00 to 14.00	45.5	103.3	72.1
14.00 to 15.00	60.0	97.6	68.4
15.00 to 16.00	58.4	92.6	68.4
16.00 to 17.00	54.3	96.9	67.6
17.00 to 18.00	55.2	101.9	67.5
18.00 to 19.00	58.1	90.8	72.3
19.00 to 20.00	57.3	103.4	67.3
20.00 to 21.00	56.8	92.6	66.5
21.00 to 22.00	60.1	90.5	71.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	60.1	95.2	70.1
23.00 to 00.00	59.4	91.2	71.9
00.00 to 01.00	58.3	95.6	71.8
01.00 to 02.00	58.9	91.3	69.1
02.00 to 03.00	56.0	79.7	63.6
03.00 to 04.00	59.0	86.8	64.9
04.00 to 05.00	50.6	92.9	64.8
05.00 to 06.00	50.1	89.7	68.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L ₉₀	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	45.5	111.6	75.3	67.5	61.7	73.5	72.5
Night Time (22.00 Hrs to 06.00Hrs)	50.1	95.6	68.6	64.4	59.8		65.0

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines for Industrial Area.

- Note: Construction Activity (6.00AM TO 9.50PM) -**
- 1) General Traffic Movement near the site.
 - 2) Construction activity related to Seawall construction.
 - 3) Loading/ Unloading work at the site & the continuous construction vehicle Movement.
 - 4) Continuous sound from flow & collision of sea tides.

Verified by

Mr. Vaibhav Pawar
Chemist

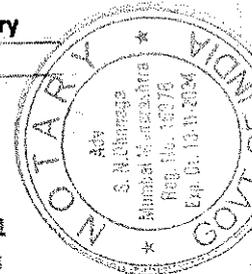


For SKYLAB ANALYTICAL LABORATORY

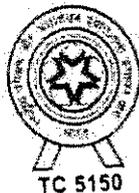
Mr. S. B. Pansare
Authorized Signatory

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Dist. Thane Maharashtra, INDIA, Pincode - 421311
Mob. No. - 9867577309 / 310 / 312 / 9930060058
Email - mail@skylabenviro.com **Website** - www.skylabenviro.com

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Email : romumbai@mpcb.gov.in



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Sion Matunga Scheme Road No. 8,
Infant of Sion Cercal,
Sion (E),
Mumbai - 400 022.

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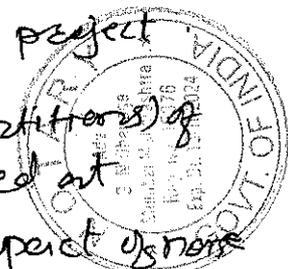
Date 23/08/2022

Visit Report

The Board officials visited the Mumbai Coastal Road project site at Worli seaface, in respect of order dtd. 10/8/2022, passed by Hon'ble NQT in the matter of appeal No 76/2017 filed by Shri Nileep Nevatia

- The Joint Director (Air Pollution Control), MPCB, Regional Officer, Sub Regional Officer MPCB, Shri Summi ASST chief Engg, MCGM, Shri Jagtap Sub. Engg, MCGM & representatives of PP were present during visit. There was drilling activity found in operation at two locations.
- During visit following instructions were given to MCGM officials & PP.

- i) The PP shall take adequate control measures to limit the noise pollution, caused due to construction activities at Mumbai Coastal Road project.
- ii) Noise barriers (acoustic sheets or partitions) of sufficient height shall be provided at construction site to reduce the impact of noise arising out due to various activities of said project.



Plaw
(T. G. Yadav)
Secy-1

Jagtap
23/8/22
Prashant Jagtap, S.E (Env) 3
Rep of
MCGM

Sanjay Chaudhari
23/08/22
(Sanjay Chaudhari)
R.O Mumbai

ULR NO: TC0515022000004407F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/FM/58/HCCH/NM(22-23-0838)

REPORT DATE :06/09/2022

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :NM(22-23-0838)

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 05/09/2022 TO 06/09/2022

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Gate No.5, Near Rig Machine

COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	49.9	87.6	70.0
07.00 to 08.00	62.6	92.6	71.7
08.00 to 09.00	60.4	109.3	69.3
09.00 to 10.00	59.7	95.4	77.5
10.00 to 11.00	54.3	83.1	65.8
11.00 to 12.00	55.6	94.9	69.1
12.00 to 13.00	60.8	91.1	69.3
13.00 to 14.00	45.9	99.1	74.3
14.00 to 15.00	49.8	101.6	77.5
15.00 to 16.00	58.5	98.4	75.5
16.00 to 17.00	48.5	93.4	71.9
17.00 to 18.00	48.5	110.6	79.5
18.00 to 19.00	47.8	88.3	72.1
19.00 to 20.00	48.3	78.8	78.1
20.00 to 21.00	48.5	91.7	70.1
21.00 to 22.00	49.2	96.2	71.8

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	56.6	80.6	67.6
23.00 to 00.00	52.1	86.6	72.0
00.00 to 01.00	55.6	93.0	70.0
01.00 to 02.00	63.0	91.3	70.5
02.00 to 03.00	61.6	89.7	68.6
03.00 to 04.00	49.5	88.1	70.1
04.00 to 05.00	50.9	90.6	69.1
05.00 to 06.00	42.1	93.6	71.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

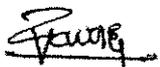
Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	45.9	110.6	73.3	67.0	57.5	74.9	73.6
Night Time (22.00 Hrs to 06.00Hrs)	42.1	93.6	71.1	65.3	55.9		66.8

Note: Construction Activity -1) General Traffic Movement near the site.

2) Piling Machine working done on this site from 8 am to 1 pm & 2 pm to 8 pm.

3) Ganpati Visarjan done on this site.

Verified by


Mr. Vaibhav Pawar
Chemist



For SKYLAB ANALYTICAL LABORATORY


Mr. S. B. Palsare
Authorized Signatory



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Exhibit 2895 189

Item No. 1

(Pune Bench)

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

(By Video Conferencing)

Review Application No. 06/2022(WZ)

In

I.A. No. 44/2022

In

Appeal No. 76/2017 (WZ)

Hindustan construction Company Ltd.

.....Applicant(s)

Versus

Union of India & Ors.

....Respondent(s)

WITH

Original Application No. 76/2017(WZ)

I.A. No. 44/2022

(Disposed on 10.8.2022)

Dileep B. Nevidita

.....Applicant(s)

Versus

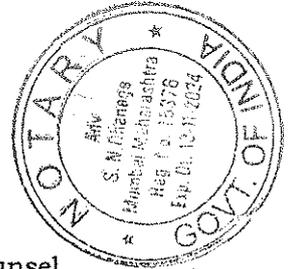
Union of India

....Respondent(s)

Date of hearing: 21.09.2022

**CORAM: HON'BLE MR. JUSTICE DINESH KUMAR SINGH, JUDICIAL MEMBER
HON'BLE DR. VIJAY KULKARNI, EXPERT MEMBER**

Applicant(s) : Mr. Siddhant Buxy, Advocate
Respondent : Ms. Manasi Joshi, Advocate for R-2, 3 & 4
Mr. Pochkhanwala, Sr. Advocate for R-5
Mr. Aniruddha Kulkarni, Advocate for CPCB



ORDER

1. From the side of Applicant- Mr. Siddhant Buxy, Learned Counsel has appeared. He prays that he may be permitted to withdraw this application with liberty to file appropriate application in its place.

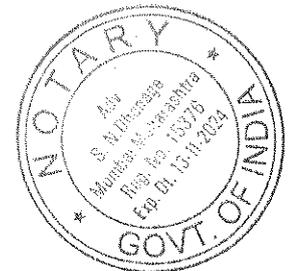
2. Accordingly, we dismiss this Review Application as not pressed with liberty to move an appropriate application.

3. From the side of Respondent Nos. 2, 3 & 4- Ms. Manasi Joshi, Learned Counsel has appeared; from the side of Respondent No. 5/MCGM- Mr. Pochkhanwala, Learned Senior Counsel has appeared and from the side of Central Pollution Control Board (CPCB)- Mr. Aniruddha Kulkarni, Learned Counsel has appeared.

Dinesh Kumar Singh, JM

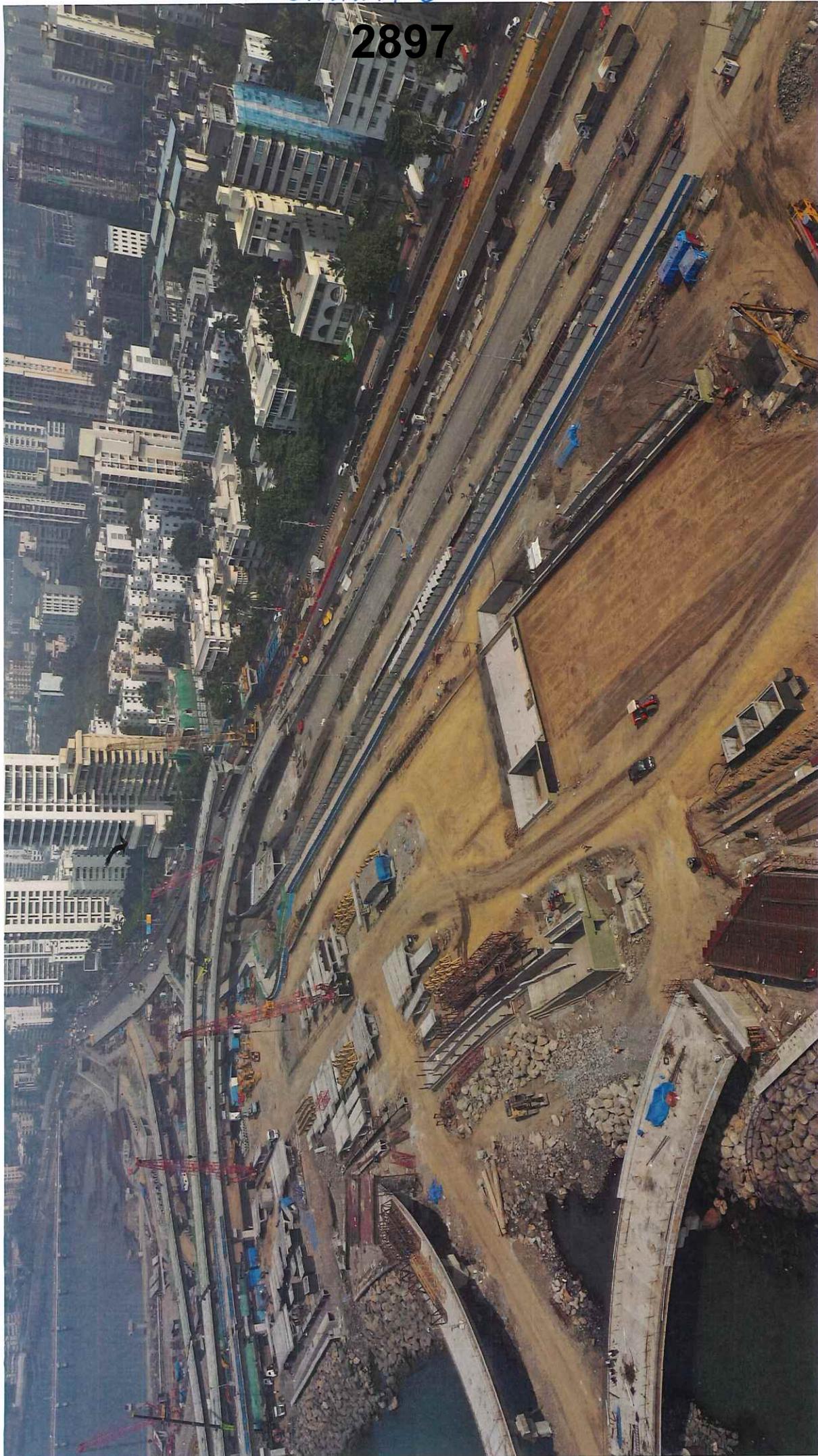
Dr. Vijay Kulkarni, EM

September 21, 2022
Review Application No. 06/2022(WZ) In
I.A. No. 44/2022 In
Appeal No. 76/2017 (WZ)
WITH
Original Application No. 76/2017(WZ)
I.A. No. 44/2022
(Disposed on 10.8.2022)
P.Kr



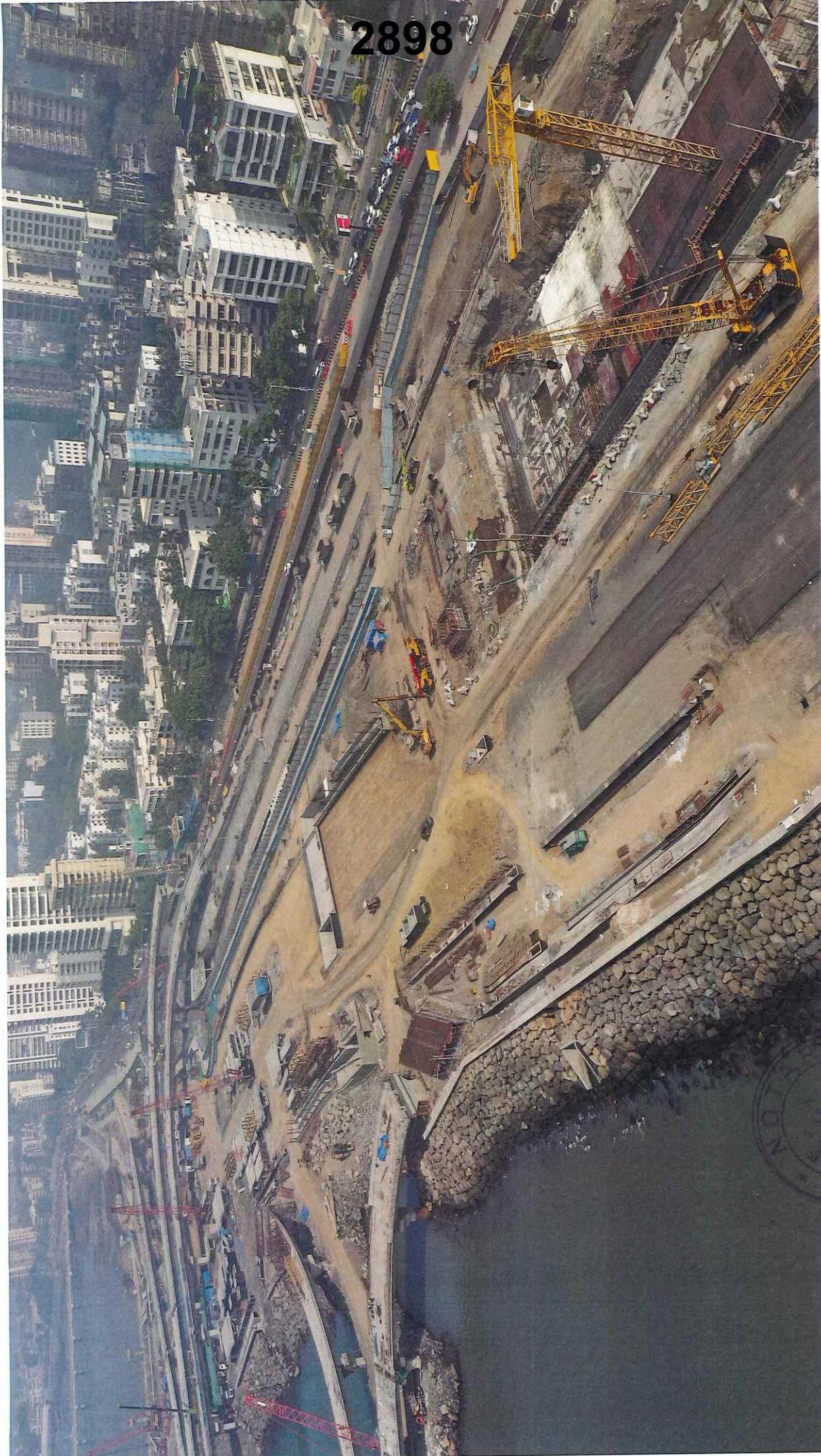
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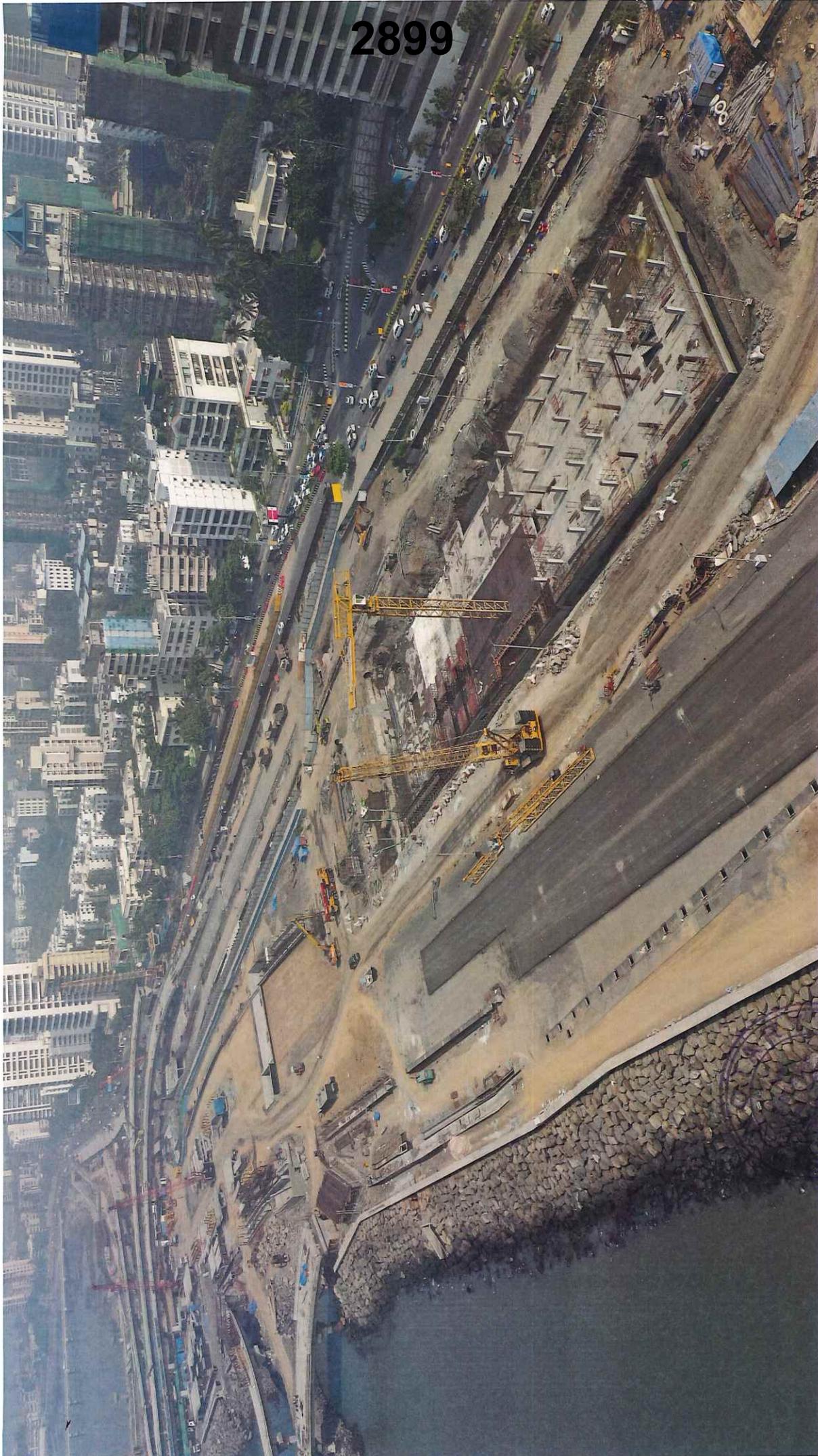
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TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP/FM05/11/ANC(23-24-1700)
REPORT DATE : 28/12/2023
CUSTOMER REF : SIQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. : ANC(23-24-1700)

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 26/11/2023 TO 27/11/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES : 19° 0' 35.3844" N, 72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	56.4	78.6	68.7
07.00 to 08.00	56.3	79.0	67.9
08.00 to 09.00	57.6	77.7	67.4
09.00 to 10.00	55.0	78.6	69.3
10.00 to 11.00	59.4	74.1	70.5
11.00 to 12.00	56.2	79.8	69.8
12.00 to 13.00	56.4	80.1	68.4
13.00 to 14.00	60.0	81.5	67.6
14.00 to 15.00	56.2	104.0	72.7
15.00 to 16.00	56.1	74.9	66.7
16.00 to 17.00	57.3	80.5	66.6
17.00 to 18.00	59.0	81.6	66.2
18.00 to 19.00	61.4	83.7	64.7
19.00 to 20.00	62.1	78.9	75.5
20.00 to 21.00	56.0	76.5	64.6
21.00 to 22.00	56.0	80.4	68.0

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.0	61.4	56.6
23.00 to 00.00	53.4	62.3	59.3
00.00 to 01.00	51.9	64.7	58.8
01.00 to 02.00	58.1	63.5	58.8
02.00 to 03.00	56.8	62.8	58.7
03.00 to 04.00	57.7	61.7	58.7
04.00 to 05.00	58.1	62.8	58.5
05.00 to 06.00	56.0	63.7	59.1

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	55.0	104.0	72.9	66.4	62.2	70.7	69.4
Night Time (22.00 Hrs to 06.00Hrs)	50.0	64.7	65.7	58.1	53.8		62.6

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

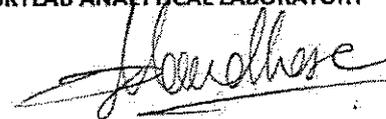
Verified by



Sr. Analyst



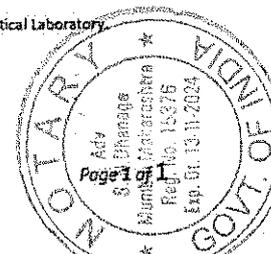
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907232

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/11/ANC(23-24-1702)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLO/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: **AMBIENT NOISE LEVEL MONITORING**
SAMPLE REGISTRATION NO. :ANC(23-24-1702) **SAMPLE COLLECTED BY** : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981 **SAMPLE LOCATION** : Gate No.5, Secant Pile VUP Area
SAMPLING DATE : 27/11/2023 TO 28/11/2023 **COORDINATES** :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	59.5	84.2	65.6
07.00 to 08.00	63.4	84.9	74.0
08.00 to 09.00	70.8	81.7	73.0
09.00 to 10.00	71.2	85.9	73.2
10.00 to 11.00	70.4	91.9	72.8
11.00 to 12.00	70.3	85.0	73.2
12.00 to 13.00	57.8	104.1	60.4
13.00 to 14.00	68.0	99.8	76.9
14.00 to 15.00	70.4	89.5	75.3
15.00 to 16.00	65.6	87.9	76.8
16.00 to 17.00	69.9	90.3	76.2
17.00 to 18.00	69.5	90.7	75.2
18.00 to 19.00	65.1	91.2	73.5
19.00 to 20.00	60.0	83.3	66.6
20.00 to 21.00	61.7	84.3	72.2
21.00 to 22.00	70.4	78.8	73.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	60.6	89.2	62.4
23.00 to 00.00	61.1	84.5	62.8
00.00 to 01.00	58.6	86.2	64.6
01.00 to 02.00	58.5	80.9	66.9
02.00 to 03.00	58.0	80.5	64.6
03.00 to 04.00	59.2	87.0	64.6
04.00 to 05.00	59.6	84.4	63.8
05.00 to 06.00	61.5	83.2	63.6

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	57.8	104.1	76.4	71.3	69.0	74.0	73.8
Night Time (22.00 Hrs to 06.00Hrs)	55.0	89.2	68.3	62.8	60.9		64.4

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

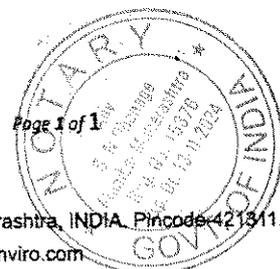


Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907233



202, CFC-3, Asmeeta Texpa, Addi.Kalyan-Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi, Dist., Thane, Maharashtra, INDIA, Pincodes-421311.

Mob. : 9867577309-312 / 8422929165. Email : mails@skylabenviro.com, Website : www.skylabenviro.com

SKYLAB is always subject to improvement. For better customer satisfaction, we welcome your feedback on : feedback@skylabenviro.com

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/11/ANC(23-24-1704)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. :ANC(23-24-1704)

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE : 28/11/2023 TO 29/11/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	55.8	87.8	78.9
07.00 to 08.00	56.7	81.8	67.2
08.00 to 09.00	59.7	88.2	68.8
09.00 to 10.00	60.8	104.4	69.4
10.00 to 11.00	58.5	89.4	68.1
11.00 to 12.00	58.3	100.4	69.9
12.00 to 13.00	56.1	68.9	66.9
13.00 to 14.00	51.6	81.5	65.8
14.00 to 15.00	58.1	84.8	65.7
15.00 to 16.00	57.2	92.9	74.4
16.00 to 17.00	57.2	81.7	74.3
17.00 to 18.00	57.8	92.3	66.4
18.00 to 19.00	57.1	87.0	68.1
19.00 to 20.00	55.9	91.3	67.8
20.00 to 21.00	60.6	87.2	67.5
21.00 to 22.00	58.4	89.0	69.0

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	56.0	67.6	65.1
23.00 to 00.00	55.6	95.5	67.8
00.00 to 01.00	52.2	95.7	70.2
01.00 to 02.00	48.6	93.9	65.0
02.00 to 03.00	55.6	90.1	67.4
03.00 to 04.00	52.6	92.6	66.4
04.00 to 05.00	47.5	94.4	67.4
05.00 to 06.00	52.3	84.8	62.4

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.6	104.4	74.0	69.5	55.1	73.0	71.6
Night Time (22.00 Hrs to 06.00Hrs)	47.5	95.7	69.1	63.0	57.2		65.0

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst

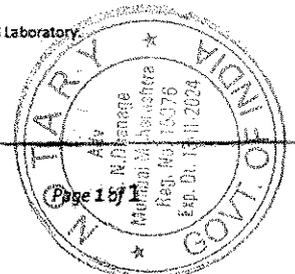
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907234

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/11/ANC(23-24-1706)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-1706)

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 29/11/2023 TO 30/11/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

COORDINATES : 19° 0' 35.3844" N, 72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	49.6	90.5	64.8
07.00 to 08.00	42.3	92.3	65.5
08.00 to 09.00	44.5	91.4	63.8
09.00 to 10.00	46.1	89.4	70.9
10.00 to 11.00	47.8	87.3	70.4
11.00 to 12.00	43.9	85.6	73.7
12.00 to 13.00	45.1	88.0	72.2
13.00 to 14.00	40.8	108.9	71.8
14.00 to 15.00	42.4	99.4	72.3
15.00 to 16.00	43.7	95.7	71.6
16.00 to 17.00	45.0	93.8	71.4
17.00 to 18.00	48.1	88.5	71.7
18.00 to 19.00	50.2	84.3	72.5
19.00 to 20.00	47.6	82.7	75.9
20.00 to 21.00	45.9	108.9	74.2
21.00 to 22.00	50.5	100.5	71.8

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	38.1	65.9	56.2
23.00 to 00.00	42.7	66.2	60.6
00.00 to 01.00	44.0	89.2	63.1
01.00 to 02.00	43.2	66.8	61.3
02.00 to 03.00	42.8	65.2	55.2
03.00 to 04.00	34.6	65.6	57.5
04.00 to 05.00	34.8	64.9	54.4
05.00 to 06.00	35.3	63.2	58.4

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	40.8	108.9	76.1	67.3	61.6	73.0	72.9
Night Time (22.00 Hrs to 06.00Hrs)	34.6	89.2	66.6	63.7	58.2		63.3

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/11/ANC(23-24-1708)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING
SAMPLE REGISTRATION NO. :ANC(23-24-1708)
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :S 9989: 1981
SAMPLING DATE : 30/11/2023 TO 01/12/2023
SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	54.5	96.1	65.5
07.00 to 08.00	55.0	96.5	72.5
08.00 to 09.00	51.6	96.6	66.2
09.00 to 10.00	50.2	96.8	66.0
10.00 to 11.00	56.3	110.5	87.0
11.00 to 12.00	56.0	93.5	65.6
12.00 to 13.00	55.8	68.9	83.0
13.00 to 14.00	55.2	81.5	86.5
14.00 to 15.00	56.4	97.1	84.0
15.00 to 16.00	55.6	90.9	83.1
16.00 to 17.00	56.0	90.6	85.1
17.00 to 18.00	57.1	93.3	85.3
18.00 to 19.00	54.6	92.0	84.2
19.00 to 20.00	52.6	95.0	80.4
20.00 to 21.00	50.9	96.4	89.3
21.00 to 22.00	49.6	112.6	89.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	49.6	90.5	84.7
23.00 to 00.00	48.6	93.4	97.8
00.00 to 01.00	51.0	88.2	99.5
01.00 to 02.00	48.5	91.6	92.1
02.00 to 03.00	46.6	89.2	89.4
03.00 to 04.00	48.1	93.7	81.1
04.00 to 05.00	49.5	84.0	83.5
05.00 to 06.00	50.6	89.9	84.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

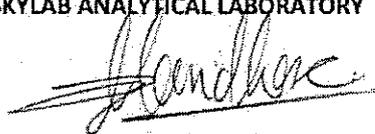
Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	54.2	112.6	76.9	69.9	60.3	76.0	74.3
Night Time (22.00 Hrs to 06.00Hrs)	50.0	91.7	72.8	64.4	59.1		68.1

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by

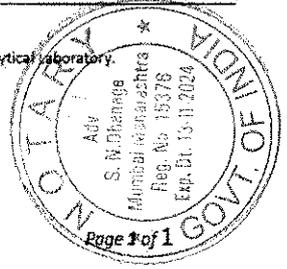
 Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

 Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230807236

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0142)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. :ANC(23-24-0142)

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

SAMPLING DATE : 01/12/2023 TO 02/12/2023

COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	61.7	88.3	66.1
07.00 to 08.00	60.1	91.2	64.2
08.00 to 09.00	60.7	80.9	64.8
09.00 to 10.00	59.9	90.9	62.9
10.00 to 11.00	59.8	88.3	62.6
11.00 to 12.00	58.5	89.4	62.5
12.00 to 13.00	57.7	85.6	63.5
13.00 to 14.00	61.7	88.3	62.7
14.00 to 15.00	57.3	81.5	65.4
15.00 to 16.00	55.9	99.2	63.3
16.00 to 17.00	56.5	91.5	65.4
17.00 to 18.00	56.2	93.6	61.9
18.00 to 19.00	55.8	102.2	75.0
19.00 to 20.00	56.2	99.1	64.9
20.00 to 21.00	58.6	94.8	67.7
21.00 to 22.00	62.1	89.1	67.4

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.0	92.9	62.6
23.00 to 00.00	51.2	94.5	57.6
00.00 to 01.00	52.8	93.9	58.9
01.00 to 02.00	50.9	90.4	58.4
02.00 to 03.00	52.6	88.5	57.1
03.00 to 04.00	53.7	87.6	58.3
04.00 to 05.00	53.4	91.3	53.4
05.00 to 06.00	52.9	94.0	63.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	55.8	102.2	69.1	63.6	60.9	71.6	70.8
Night Time (22.00 Hrs to 06.00Hrs)	50.0	94.5	64.5	56.1	51.9		62.8

Note: Construction Activity -1) General Traffic Movement near the site.

2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907230



TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0288)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0288)

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 02/12/2023 TO 03/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

COORDINATES : 19° 0' 35.3844" N, 72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	62.6	81.6	68.0
07.00 to 08.00	61.6	89.1	66.6
08.00 to 09.00	60.0	99.2	66.5
09.00 to 10.00	58.2	81.4	64.7
10.00 to 11.00	56.9	82.5	64.2
11.00 to 12.00	54.3	89.2	63.4
12.00 to 13.00	60.0	89.9	80.3
13.00 to 14.00	56.5	104.2	77.2
14.00 to 15.00	57.7	83.5	74.7
15.00 to 16.00	58.8	81.2	75.8
16.00 to 17.00	61.6	92.4	75.8
17.00 to 18.00	60.6	93.5	76.4
18.00 to 19.00	60.6	91.2	76.5
19.00 to 20.00	60.2	92.2	75.9
20.00 to 21.00	62.8	92.0	77.4
21.00 to 22.00	58.8	81.4	65.1

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	57.8	80.4	64.5
23.00 to 00.00	55.5	82.5	63.5
00.00 to 01.00	45.9	78.5	62.4
01.00 to 02.00	45.9	83.0	62.6
02.00 to 03.00	53.0	86.9	64.0
03.00 to 04.00	55.3	80.9	64.5
04.00 to 05.00	57.6	85.2	66.1
05.00 to 06.00	60.2	85.9	68.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L ₉₀	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	54.3	104.2	70.2	65.3	62.7	73.4	71.2
Night Time (22.00 Hrs to 06.00Hrs)	45.9	86.9	68.0	63.4	60.1		64.9

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by

Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907231

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0294)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING
SAMPLE REGISTRATION NO. :ANC(23-24-0294)
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE : 03/12/2023 TO 04/12/2023
SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	42.0	78.7	48.9
07.00 to 08.00	42.5	78.1	55.1
08.00 to 09.00	43.0	72.3	53.7
09.00 to 10.00	45.2	76.0	55.5
10.00 to 11.00	48.4	78.6	59.3
11.00 to 12.00	48.9	96.4	64.4
12.00 to 13.00	52.1	107.1	70.9
13.00 to 14.00	45.6	104.3	66.8
14.00 to 15.00	55.6	97.8	62.1
15.00 to 16.00	53.1	75.1	58.5
16.00 to 17.00	54.0	97.7	60.7
17.00 to 18.00	55.5	97.8	61.3
18.00 to 19.00	54.4	90.3	62.2
19.00 to 20.00	52.5	89.4	61.9
20.00 to 21.00	50.2	84.0	59.8
21.00 to 22.00	48.7	99.7	57.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	48.2	93.4	56.5
23.00 to 00.00	46.5	80.4	55.8
00.00 to 01.00	46.5	84.9	54.9
01.00 to 02.00	44.7	95.8	55.0
02.00 to 03.00	44.5	77.3	51.7
03.00 to 04.00	43.3	85.5	49.9
04.00 to 05.00	40.1	94.5	52.2
05.00 to 06.00	40.4	75.6	45.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	42.0	107.1	68.2	61.3	57.3	69.8	67.9
Night Time (22.00 Hrs to 06.00Hrs)	40.1	95.8	63.2	54.1	49.1		61.8

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230407237

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India
REPORT NO : SAL/MSP/FM05/12/ANC(23-24-301B)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING
SAMPLE REGISTRATION NO. : ANC(23-24-3018)
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 04/12/2023 TO 05/12/2023
SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES : 19° 0' 35.3844" N, 72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	51.4	77.7	76.4
07.00 to 08.00	51.6	84.9	76.8
08.00 to 09.00	51.6	83.7	77.7
09.00 to 10.00	52.8	110.9	72.2
10.00 to 11.00	51.9	83.5	61.4
11.00 to 12.00	51.9	89.0	60.8
12.00 to 13.00	51.5	90.1	60.9
13.00 to 14.00	48.6	81.5	60.9
14.00 to 15.00	52.5	94.7	73.4
15.00 to 16.00	53.9	96.3	76.7
16.00 to 17.00	53.3	95.5	72.3
17.00 to 18.00	57.9	105.7	76.6
18.00 to 19.00	56.3	94.6	74.3
19.00 to 20.00	53.4	100.2	66.5
20.00 to 21.00	51.9	74.1	56.3
21.00 to 22.00	52.0	78.5	57.1

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.0	86.4	64.7
23.00 to 00.00	44.3	82.8	64.5
00.00 to 01.00	44.2	69.7	65.9
01.00 to 02.00	44.2	69.9	65.4
02.00 to 03.00	49.2	76.0	62.0
03.00 to 04.00	44.3	73.6	63.6
04.00 to 05.00	44.1	71.1	63.4
05.00 to 06.00	59.0	81.6	65.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.6	110.9	75.8	66.8	60.3	73.9	73.6
Night Time (22.00 Hrs to 06.00Hrs)	44.1	86.4	68.4	62.3	55.6		64.5

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by

(Signature)

Sr. Analyst

For SKYLAB ANALYTICAL LABORATORY

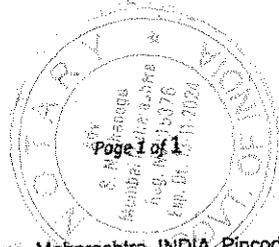


(Signature)

Technical Manager
Authorized Signatory

END OF REPORT

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SALAC2423090723B

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0306)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0306)

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 05/12/2023 TO 06/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	56.3	88.3	76.6
07.00 to 08.00	55.0	92.5	75.1
08.00 to 09.00	52.5	87.4	75.8
09.00 to 10.00	56.3	93.3	77.0
10.00 to 11.00	55.3	90.9	77.1
11.00 to 12.00	59.6	89.6	67.8
12.00 to 13.00	69.0	109.8	79.6
13.00 to 14.00	59.7	81.5	78.1
14.00 to 15.00	60.2	88.5	67.6
15.00 to 16.00	57.5	111.0	77.1
16.00 to 17.00	55.2	93.0	66.4
17.00 to 18.00	58.4	96.9	76.7
18.00 to 19.00	58.9	87.5	66.9
19.00 to 20.00	58.9	99.4	66.6
20.00 to 21.00	58.7	89.4	77.4
21.00 to 22.00	57.0	98.3	77.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	53.3	89.0	64.0
23.00 to 00.00	51.2	85.1	62.0
00.00 to 01.00	49.8	79.6	59.2
01.00 to 02.00	49.5	81.1	57.3
02.00 to 03.00	48.2	77.5	54.9
03.00 to 04.00	50.6	80.9	54.8
04.00 to 05.00	49.9	77.9	58.6
05.00 to 06.00	55.9	78.6	62.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	52.5	111.0	70.8	65.9	62.7	73.0	72.2
Night Time (22.00 Hrs to 06.00Hrs)	48.2	89.0	64.4	57.1	53.6		64.3

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALA C24230907239



TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0328)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLO/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. :ANC(23-24-0328)

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE : 06/12/2023 TO 07/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	55.0	85.3	65.4
07.00 to 08.00	60.0	87.1	64.0
08.00 to 09.00	62.5	96.1	64.6
09.00 to 10.00	54.6	106.0	65.2
10.00 to 11.00	56.1	106.4	65.1
11.00 to 12.00	56.1	95.8	65.5
12.00 to 13.00	56.6	87.4	70.4
13.00 to 14.00	60.0	102.0	66.5
14.00 to 15.00	58.1	95.2	65.5
15.00 to 16.00	57.2	92.6	66.2
16.00 to 17.00	55.1	90.4	66.7
17.00 to 18.00	56.6	88.7	73.0
18.00 to 19.00	56.2	90.8	70.4
19.00 to 20.00	59.1	107.8	77.2
20.00 to 21.00	58.3	88.4	72.4
21.00 to 22.00	57.1	87.7	73.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	59.1	96.3	67.8
23.00 to 00.00	56.0	95.6	66.8
00.00 to 01.00	56.1	93.2	66.7
01.00 to 02.00	55.1	96.1	66.7
02.00 to 03.00	57.7	94.6	65.8
03.00 to 04.00	59.4	96.5	67.5
04.00 to 05.00	59.4	96.9	67.2
05.00 to 06.00	60.0	94.4	67.0

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{0N}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	54.6	107.8	70.6	67.1	63.2	74.3	73.2
Night Time (22.00 Hrs to 06.00Hrs)	55.1	96.9	70.2	65.4	60.6		66.0

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



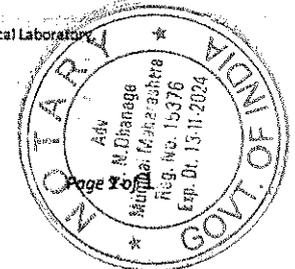
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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SALAC24230907240

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0332)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0332)

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 07/12/2023 TO 08/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

COORDINATES : 19° 0' 35.3844" N, 72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	58.5	93.6	69.3
07.00 to 08.00	60.8	109.8	73.9
08.00 to 09.00	58.7	94.9	65.5
09.00 to 10.00	56.9	104.4	74.7
10.00 to 11.00	62.3	105.5	71.9
11.00 to 12.00	63.0	91.2	68.8
12.00 to 13.00	59.0	68.9	71.5
13.00 to 14.00	60.4	81.5	71.4
14.00 to 15.00	60.0	96.9	70.5
15.00 to 16.00	57.8	93.3	70.5
16.00 to 17.00	55.7	95.0	77.8
17.00 to 18.00	55.9	90.7	77.0
18.00 to 19.00	54.2	97.1	78.5
19.00 to 20.00	60.2	99.2	79.2
20.00 to 21.00	61.1	89.5	68.2
21.00 to 22.00	59.6	94.6	78.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	58.5	86.9	68.4
23.00 to 00.00	56.8	89.1	68.8
00.00 to 01.00	52.7	84.4	68.2
01.00 to 02.00	49.9	81.1	68.2
02.00 to 03.00	55.2	84.9	68.3
03.00 to 04.00	57.4	77.4	69.6
04.00 to 05.00	52.0	78.1	62.8
05.00 to 06.00	50.4	93.8	65.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	54.2	106.5	69.9	64.2	59.6	69.9	68.5
Night Time (22.00 Hrs to 06.00Hrs)	49.9	93.8	63.3	60.0	55.2		61.9

Note: Construction Activity -1) General Traffic Movement near the site.

2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst

For SKYLAB ANALYTICAL LABORATORY

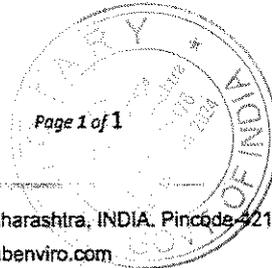



Technical Manager
 Authorized Signatory

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SALAC24230907241



Page 1 of 1

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP/FM05/12/ANC(23-24-339B)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING
SAMPLE REGISTRATION NO. : ANC(23-24-339B)
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 08/12/2023 TO 09/12/2023
SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES : 19° 0' 35.3844" N, 72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	68.9	95.6	70.5
07.00 to 08.00	67.7	79.8	69.2
08.00 to 09.00	63.4	77.6	67.0
09.00 to 10.00	61.8	77.2	63.1
10.00 to 11.00	55.6	84.1	60.9
11.00 to 12.00	55.0	76.9	59.9
12.00 to 13.00	55.2	82.6	60.3
13.00 to 14.00	54.2	80.4	70.3
14.00 to 15.00	60.0	112.0	80.6
15.00 to 16.00	62.4	90.4	77.0
16.00 to 17.00	62.9	91.5	77.5
17.00 to 18.00	58.6	93.7	78.1
18.00 to 19.00	54.7	95.5	82.1
19.00 to 20.00	52.8	107.2	81.4
20.00 to 21.00	62.7	99.5	78.0
21.00 to 22.00	64.2	98.3	78.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	55.2	94.2	71.9
23.00 to 00.00	55.0	93.6	66.8
00.00 to 01.00	54.8	95.2	66.8
01.00 to 02.00	54.1	89.6	66.4
02.00 to 03.00	53.8	89.6	65.6
03.00 to 04.00	50.4	90.6	64.9
04.00 to 05.00	52.1	86.5	63.9
05.00 to 06.00	51.6	88.9	62.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	52.8	112.0	75.1	65.9	61.1	74.5	73.5
Night Time (22.00 Hrs to 06.00Hrs)	50.4	95.2	69.2	62.4	57.0		66.0

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by

 Sr. Analyst

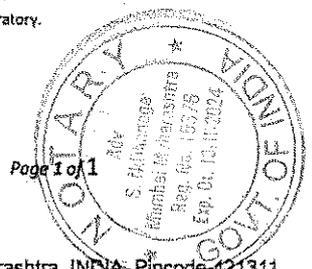


For SKYLAB ANALYTICAL LABORATORY

 Technical Manager
 Authorized Signatory

END OF REPORT

- This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing.
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SALAC24230807242

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0344)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: **AMBIENT NOISE LEVEL MONITORING**
SAMPLE REGISTRATION NO. :ANC(23-24-0344) **SAMPLE COLLECTED BY** : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981 **SAMPLE LOCATION** : Gate No.5, Secant Pile VUP Area
SAMPLING DATE : 09/12/2023 TO 10/12/2023 **COORDINATES** :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	48.2	100.9	69.2
07.00 to 08.00	56.3	87.5	67.2
08.00 to 09.00	56.9	91.2	67.8
09.00 to 10.00	54.3	88.4	68.0
10.00 to 11.00	61.9	85.2	64.3
11.00 to 12.00	55.5	81.5	71.6
12.00 to 13.00	49.0	91.1	73.3
13.00 to 14.00	54.6	94.8	67.5
14.00 to 15.00	59.5	89.4	76.1
15.00 to 16.00	53.7	88.9	72.2
16.00 to 17.00	54.3	67.1	55.5
17.00 to 18.00	53.5	90.8	70.0
18.00 to 19.00	54.5	87.5	75.9
19.00 to 20.00	54.7	97.4	69.2
20.00 to 21.00	54.8	101.9	69.3
21.00 to 22.00	54.5	90.8	76.7

Night-Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	45.6	88.6	64.5
23.00 to 00.00	52.5	88.5	65.3
00.00 to 01.00	55.2	88.6	64.9
01.00 to 02.00	56.9	86.1	65.1
02.00 to 03.00	54.6	86.1	58.1
03.00 to 04.00	50.8	88.6	64.2
04.00 to 05.00	52.2	88.3	64.4
05.00 to 06.00	53.6	88.6	56.5

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.2	101.9	75.6	65.2	58.2	73.5	73.8
Night Time (22.00 Hrs to 06.00Hrs)	45.6	88.6	65.8	61.6	57.4		63.0

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by

Gmat

Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

[Signature]

Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907243

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0349)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLO/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. :ANC(23-24-0349)

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE : 10/12/2023 TO 11/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	49.7	87.5	53.5
07.00 to 08.00	51.2	65.3	40.1
08.00 to 09.00	53.3	69.6	55.9
09.00 to 10.00	44.1	71.3	46.6
10.00 to 11.00	47.9	73.4	51.5
11.00 to 12.00	49.2	80.9	66.4
12.00 to 13.00	50.8	76.1	58.2
13.00 to 14.00	45.0	102.2	81.0
14.00 to 15.00	48.8	87.2	66.0
15.00 to 16.00	46.3	74.5	50.0
16.00 to 17.00	47.1	75.8	51.1
17.00 to 18.00	48.8	70.2	47.6
18.00 to 19.00	49.6	76.1	46.9
19.00 to 20.00	50.3	63.1	37.4
20.00 to 21.00	52.7	58.5	38.5
21.00 to 22.00	40.0	54.6	38.5

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	37.2	62.4	40.1
23.00 to 00.00	38.7	63.8	41.9
00.00 to 01.00	38.7	79.1	43.3
01.00 to 02.00	39.4	77.9	53.0
02.00 to 03.00	35.9	94.5	56.3
03.00 to 04.00	37.9	79.0	50.5
04.00 to 05.00	36.0	74.7	46.5
05.00 to 06.00	38.3	77.5	51.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	40.0	102.2	55.5	47.9	42.1	67.8	69.3
Night Time (22.00 Hrs to 06.00Hrs)	35.9	94.5	53.2	44.5	40.1		50.9

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



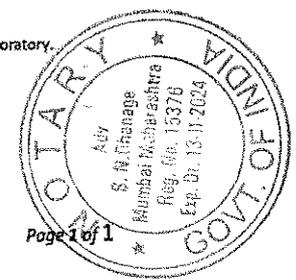
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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Page 1 of 1

SALAC24230907244

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0371)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING
SAMPLE REGISTRATION NO. :ANC(23-24-0371) **SAMPLE COLLECTED BY** : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981 **SAMPLE LOCATION** : Gate No.5, Secant Pile VUP Area
SAMPLING DATE : 11/12/2023 TO 12/12/2023 **COORDINATES** :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	56.8	67.4	57.9
07.00 to 08.00	56.0	70.2	57.2
08.00 to 09.00	55.7	87.2	56.9
09.00 to 10.00	55.8	87.0	62.0
10.00 to 11.00	56.7	82.4	64.0
11.00 to 12.00	57.3	91.0	71.4
12.00 to 13.00	57.1	99.8	75.3
13.00 to 14.00	48.1	92.6	76.5
14.00 to 15.00	57.2	97.8	77.5
15.00 to 16.00	57.1	89.5	66.7
16.00 to 17.00	56.8	92.2	59.6
17.00 to 18.00	57.0	98.4	69.8
18.00 to 19.00	56.7	92.5	71.6
19.00 to 20.00	56.6	89.8	69.7
20.00 to 21.00	55.9	89.1	57.9
21.00 to 22.00	56.2	79.6	60.6

Night-Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	56.9	94.0	59.2
23.00 to 00.00	57.3	90.2	59.5
00.00 to 01.00	55.6	85.4	61.1
01.00 to 02.00	55.7	76.1	57.4
02.00 to 03.00	55.7	78.8	56.3
03.00 to 04.00	55.9	67.3	57.5
04.00 to 05.00	57.0	62.2	57.6
05.00 to 06.00	56.9	61.2	57.5

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.1	99.8	70.2	63.2	58.9	70.2	70.9
Night Time (22.00 Hrs to 06.00Hrs)	55.6	94.0	61.4	57.7	57.0		58.5

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907246



TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0644)
REPORT DATE : 28/12/2023
CUSTOMER REF : 5LQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. :ANC(23-24-0644)

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE : 12/12/2023 TO 13/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	55.7	88.8	76.3
07.00 to 08.00	55.7	96.1	75.2
08.00 to 09.00	60.0	96.8	72.0
09.00 to 10.00	58.4	98.5	72.0
10.00 to 11.00	59.6	88.6	70.8
11.00 to 12.00	57.2	101.6	72.4
12.00 to 13.00	56.0	68.9	72.1
13.00 to 14.00	56.1	81.5	66.4
14.00 to 15.00	60.0	88.8	71.6
15.00 to 16.00	60.4	88.6	71.5
16.00 to 17.00	60.0	95.5	71.3
17.00 to 18.00	59.4	88.6	65.5
18.00 to 19.00	58.2	83.2	65.0
19.00 to 20.00	57.5	84.4	73.4
20.00 to 21.00	70.0	88.0	75.6
21.00 to 22.00	57.1	84.0	76.6

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	55.6	89.2	66.9
23.00 to 00.00	51.1	84.0	60.6
00.00 to 01.00	46.0	81.9	63.7
01.00 to 02.00	45.5	83.0	64.9
02.00 to 03.00	45.4	86.6	51.9
03.00 to 04.00	45.4	72.9	59.0
04.00 to 05.00	45.4	90.5	63.7
05.00 to 06.00	46.4	82.2	66.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

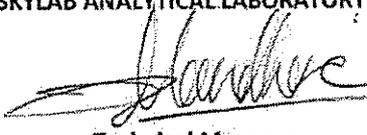
Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	55.7	101.6	77.6	68.7	65.4	73.3	72.9
Night Time (22.00 Hrs to 06.00Hrs)	45.4	90.5	68.5	56.6	50.6		63.9

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by

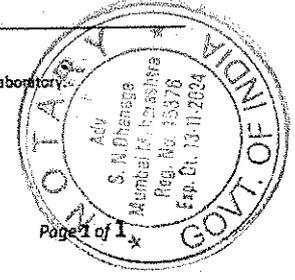
 Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

 Technical Manager
 Authorized Signatory

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SALAC24230907246

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0650)

REPORT DATE :28/12/2023

CUSTOMER REF :SLQ/19-20/HCC/255

REF DATE :12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0650)

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE :13/12/2023 TO 14/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	61.4	84.3	64.2
07.00 to 08.00	58.1	80.9	63.5
08.00 to 09.00	56.2	83.6	61.0
09.00 to 10.00	55.7	82.9	60.0
10.00 to 11.00	55.4	91.5	62.8
11.00 to 12.00	57.3	96.0	62.3
12.00 to 13.00	56.2	85.9	61.0
13.00 to 14.00	56.5	80.7	61.0
14.00 to 15.00	54.8	90.6	67.2
15.00 to 16.00	55.9	82.0	60.0
16.00 to 17.00	55.2	80.7	60.8
17.00 to 18.00	52.9	81.8	56.8
18.00 to 19.00	52.6	94.4	58.6
19.00 to 20.00	52.2	98.8	59.4
20.00 to 21.00	51.6	80.6	60.2
21.00 to 22.00	56.3	110.3	74.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	40.6	99.2	71.5
23.00 to 00.00	55.8	80.6	62.1
00.00 to 01.00	36.3	99.5	67.5
01.00 to 02.00	42.2	92.7	56.9
02.00 to 03.00	40.8	77.5	48.3
03.00 to 04.00	45.2	99.8	49.2
04.00 to 05.00	39.7	72.0	50.2
05.00 to 06.00	53.8	92.6	62.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.6	110.3	66.1	50.6	57.5	67.4	65.0
Night Time (22.00 Hrs to 06.00Hrs)	36.3	99.8	63.5	55.9	52.0		60.0

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



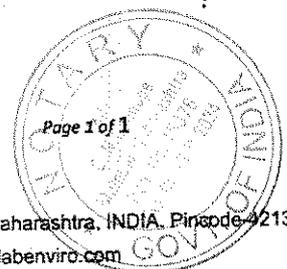
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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SALAC24230907247

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-650A)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: **AMBIENT NOISE LEVEL MONITORING**
SAMPLE REGISTRATION NO. :ANC(23-24-650A) **SAMPLE COLLECTED BY** : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981 **SAMPLE LOCATION** : Gate No.5, Secant Pile VUP Area
SAMPLING DATE : 14/12/2023 TO 15/12/2023 **COORDINATES** :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	55.0	96.1	66.7
07.00 to 08.00	54.4	98.4	71.9
08.00 to 09.00	53.3	100.7	69.2
09.00 to 10.00	54.0	108.8	75.3
10.00 to 11.00	71.1	82.7	73.6
11.00 to 12.00	71.8	92.2	76.2
12.00 to 13.00	72.5	86.6	74.3
13.00 to 14.00	56.3	93.6	67.3
14.00 to 15.00	56.1	87.7	60.9
15.00 to 16.00	53.9	100.5	72.8
16.00 to 17.00	53.5	93.6	63.9
17.00 to 18.00	52.4	83.7	59.3
18.00 to 19.00	52.7	80.2	58.1
19.00 to 20.00	48.7	77.9	55.8
20.00 to 21.00	49.9	85.9	60.6
21.00 to 22.00	51.8	94.9	66.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	51.8	97.8	70.1
23.00 to 00.00	56.6	94.2	73.1
00.00 to 01.00	45.2	98.7	72.2
01.00 to 02.00	56.5	85.3	71.5
02.00 to 03.00	52.2	74.0	58.8
03.00 to 04.00	51.7	73.9	59.6
04.00 to 05.00	49.7	84.5	59.5
05.00 to 06.00	51.1	88.2	61.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.7	108.8	72.4	63.8	59.9	71.2	70.7
Night Time (22.00 Hrs to 06.00Hrs)	45.2	98.7	70.0	62.8	57.4		62.0

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by

Gmali

Sr. Analyst



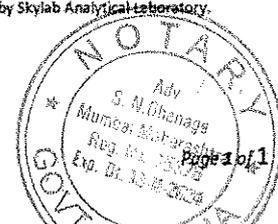
For SKYLAB ANALYTICAL LABORATORY

[Signature]

Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC.24230907248

204

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-650B)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. :ANC(23-24-650B)

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE : 15/12/2023 TO 16/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	57.0	86.4	65.1
07.00 to 08.00	57.5	103.1	66.3
08.00 to 09.00	58.6	96.6	68.4
09.00 to 10.00	62.2	94.0	77.4
10.00 to 11.00	64.3	99.5	71.1
11.00 to 12.00	61.7	100.3	70.2
12.00 to 13.00	50.1	106.1	68.5
13.00 to 14.00	60.0	104.0	79.1
14.00 to 15.00	68.7	92.0	79.4
15.00 to 16.00	60.0	99.6	81.1
16.00 to 17.00	68.7	96.3	77.4
17.00 to 18.00	60.7	107.8	77.1
18.00 to 19.00	61.2	100.4	74.8
19.00 to 20.00	60.9	84.5	66.0
20.00 to 21.00	61.5	99.2	72.2
21.00 to 22.00	64.5	98.4	74.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.3	95.9	67.8
23.00 to 00.00	57.3	91.7	67.5
00.00 to 01.00	57.0	85.8	63.1
01.00 to 02.00	53.7	80.4	64.5
02.00 to 03.00	48.9	77.2	58.3
03.00 to 04.00	48.1	76.7	58.0
04.00 to 05.00	48.5	86.9	58.9
05.00 to 06.00	49.9	94.9	65.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50.1	107.8	76.4	71.0	66.0	73.6	73.2
Night Time (22.00 Hrs to 06.00Hrs)	48.1	95.9	68.0	60.7	56.6		64.4

Note: Construction Activity --1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

- This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing.
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- Any attempt of forgery or misleading use of this report by any person/organization etc will attract suitable legal action against them by Skylab Analytical laboratory.

SALAC24230907249



TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0796)
REPORT DATE : 28/12/2023
CUSTOMER REF :SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING
SAMPLE REGISTRATION NO. :ANC(23-24-0796) **SAMPLE COLLECTED BY** : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981 **SAMPLE LOCATION** : Gate No.5, Secant Pile VUP Area
SAMPLING DATE : 16/12/2023 TO 17/12/2023 **COORDINATES** :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	64.5	79.9	67.0
07.00 to 08.00	60.0	91.1	66.8
08.00 to 09.00	60.0	90.2	66.9
09.00 to 10.00	60.3	79.7	66.6
10.00 to 11.00	50.5	95.3	69.0
11.00 to 12.00	50.4	92.7	65.6
12.00 to 13.00	63.8	101.2	65.1
13.00 to 14.00	60.0	102.0	64.1
14.00 to 15.00	59.5	95.4	68.9
15.00 to 16.00	60.0	96.6	64.9
16.00 to 17.00	60.0	97.9	71.4
17.00 to 18.00	58.3	97.4	72.4
18.00 to 19.00	65.2	90.5	70.3
19.00 to 20.00	60.0	66.6	65.2
20.00 to 21.00	60.9	91.3	67.1
21.00 to 22.00	60.1	79.7	68.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	52.3	90.4	57.5
23.00 to 00.00	54.7	91.5	57.5
00.00 to 01.00	51.6	89.4	55.2
01.00 to 02.00	52.9	92.1	51.5
02.00 to 03.00	61.5	88.0	52.6
03.00 to 04.00	53.6	85.3	54.3
04.00 to 05.00	50.0	84.5	57.6
05.00 to 06.00	64.3	87.2	57.4

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50.4	102.0	71.7	65.9	62.7	67.6	68.2
Night Time (22.00 Hrs to 06.00Hrs)	50.0	92.1	56.7	55.1	51.9		56.0

Note: Construction Activity -1) General Traffic Movement near the site.
2) Excavation/ Breaking work & Equipment Movement.

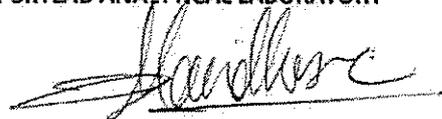
Verified by



Sr. Analyst



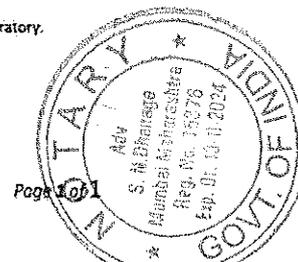
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
Authorized Signatory

END OF REPORT

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Page 1 of 1

SALAC24230907250

202, CFC-3, Asmeeta Texpa, Addl.Kalyan-Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi, Dist., Thane, Maharashtra, INDIA. Pincode-421311.

Mob. : 9867577309-312 / 8422929165. Email : mails@skylabenviro.com, Website : www.skylabenviro.com

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0938)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0938)

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 17/12/2023 TO 18/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	50.0	66.5	55.9
07.00 to 08.00	49.2	69.6	53.3
08.00 to 09.00	49.3	70.9	63.7
09.00 to 10.00	60.0	81.6	67.1
10.00 to 11.00	54.8	82.0	60.3
11.00 to 12.00	52.9	81.2	62.5
12.00 to 13.00	45.8	104.1	59.9
13.00 to 14.00	53.3	106.0	6.4
14.00 to 15.00	52.0	81.4	63.6
15.00 to 16.00	53.6	76.5	61.8
16.00 to 17.00	52.7	79.7	60.4
17.00 to 18.00	52.5	90.1	62.0
18.00 to 19.00	53.5	82.6	61.8
19.00 to 20.00	54.0	82.8	61.3
20.00 to 21.00	54.1	83.0	60.1
21.00 to 22.00	52.0	90.0	61.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	52.2	82.7	63.4
23.00 to 00.00	51.9	82.2	57.4
00.00 to 01.00	53.0	88.0	57.2
01.00 to 02.00	52.6	84.9	59.3
02.00 to 03.00	51.4	95.5	58.4
03.00 to 04.00	49.8	77.4	60.3
04.00 to 05.00	53.1	74.4	56.7
05.00 to 06.00	53.2	72.7	56.6

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	45.8	106.0	75.0	69.7	62.5	73.4	73.8
Night Time (22.00 Hrs to 06.00Hrs)	48.8	95.5	64.0	59.1	54.5		62.3

Note: Construction Activity -1) General Traffic Movement near the site.

2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

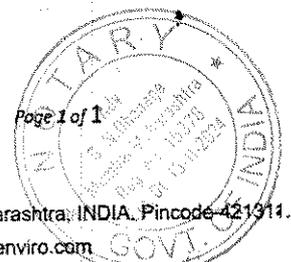


Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24236907251



TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-0947)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:
 SAMPLE REGISTRATION NO. :ANC(23-24-0947)

AMBIENT NOISE LEVEL MONITORING
 SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE : 18/12/2023 TO 19/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	51.5	92.2	59.7
07.00 to 08.00	53.8	89.8	62.6
08.00 to 09.00	54.5	80.3	65.5
09.00 to 10.00	56.1	99.0	69.0
10.00 to 11.00	61.0	91.2	70.1
11.00 to 12.00	60.1	110.0	70.6
12.00 to 13.00	51.9	95.0	65.1
13.00 to 14.00	59.4	109.0	73.8
14.00 to 15.00	58.4	92.9	69.4
15.00 to 16.00	58.9	97.7	73.4
16.00 to 17.00	61.9	100.3	75.9
17.00 to 18.00	61.7	110.2	74.9
18.00 to 19.00	62.2	99.6	77.4
19.00 to 20.00	61.4	96.8	74.2
20.00 to 21.00	60.9	96.5	71.1
21.00 to 22.00	60.4	94.9	69.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	59.9	96.6	68.6
23.00 to 00.00	56.2	94.7	70.4
00.00 to 01.00	56.0	96.6	69.9
01.00 to 02.00	57.4	84.8	66.8
02.00 to 03.00	55.6	90.2	66.7
03.00 to 04.00	46.5	93.4	65.8
04.00 to 05.00	52.6	80.7	64.4
05.00 to 06.00	47.9	78.2	56.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L ₀₁	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.5	110.2	74.8	67.8	63.5	74.1	72.2
Night Time (22.00 Hrs to 06.00Hrs)	46.5	96.6	69.9	64.4	59.8		66.4

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by

Sr. Analyst

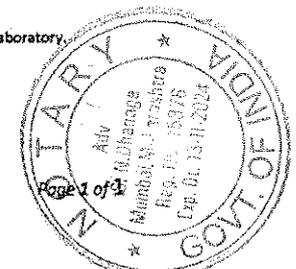


For SKYLAB ANALYTICAL LABORATORY

Technical Manager
 Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-1280)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. :ANC(23-24-1280)

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

SAMPLING DATE : 19/12/2023 TO 20/12/2023

COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	59.7	80.5	73.7
07.00 to 08.00	59.4	82.4	73.6
08.00 to 09.00	59.4	86.2	64.7
09.00 to 10.00	58.9	86.3	65.2
10.00 to 11.00	59.6	90.8	69.3
11.00 to 12.00	51.4	106.2	64.3
12.00 to 13.00	59.4	78.6	63.6
13.00 to 14.00	58.1	105.4	70.5
14.00 to 15.00	58.4	93.7	68.1
15.00 to 16.00	59.0	88.9	67.7
16.00 to 17.00	59.6	97.8	67.9
17.00 to 18.00	53.1	97.8	67.4
18.00 to 19.00	60.5	82.4	65.7
19.00 to 20.00	60.6	86.6	64.2
20.00 to 21.00	70.0	90.7	73.6
21.00 to 22.00	62.9	81.8	72.6

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	52.7	97.0	63.0
23.00 to 00.00	51.0	85.4	63.5
00.00 to 01.00	59.7	80.7	65.4
01.00 to 02.00	59.9	73.3	66.9
02.00 to 03.00	59.8	75.3	62.6
03.00 to 04.00	60.3	78.7	63.2
04.00 to 05.00	60.7	78.2	63.7
05.00 to 06.00	60.4	80.9	63.5

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.4	106.2	73.5	66.9	64.1	71.8	71.7
Night Time (22.00 Hrs to 06.00Hrs)	51.0	97.0	66.3	63.4	61.0		62.2

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by

Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

Technical Manager
 Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP/FM05/12/ANC(23-24-1350)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING
SAMPLE REGISTRATION NO. : ANC(23-24-1350)
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 20/12/2023 TO 21/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES : 19° 0' 35.3844" N, 72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	51.7	94.8	61.2
07.00 to 08.00	51.5	88.1	63.0
08.00 to 09.00	52.2	106.6	80.4
09.00 to 10.00	62.9	107.8	78.6
10.00 to 11.00	63.0	98.3	80.4
11.00 to 12.00	56.1	103.4	74.0
12.00 to 13.00	51.5	88.1	61.1
13.00 to 14.00	54.2	99.8	77.5
14.00 to 15.00	50.0	107.6	70.2
15.00 to 16.00	58.1	107.7	69.0
16.00 to 17.00	56.4	88.5	71.2
17.00 to 18.00	58.2	107.7	70.3
18.00 to 19.00	59.2	98.8	83.5
19.00 to 20.00	53.6	93.8	77.3
20.00 to 21.00	54.4	93.0	75.1
21.00 to 22.00	54.0	106.2	75.1

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	53.1	88.1	69.5
23.00 to 00.00	50.4	94.9	71.6
00.00 to 01.00	56.2	91.5	71.6
01.00 to 02.00	50.2	92.7	61.3
02.00 to 03.00	53.9	94.0	64.1
03.00 to 04.00	54.0	91.9	67.4
04.00 to 05.00	53.7	90.7	58.8
05.00 to 06.00	54.2	91.5	64.4

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

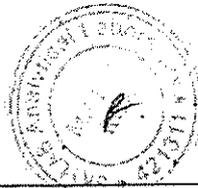
Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.5	107.8	74.8	67.7	60.6	72.9	72.8
Night Time (22.00 Hrs to 06.00Hrs)	50.2	94.9	69.5	62.1	57.5		63.2

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

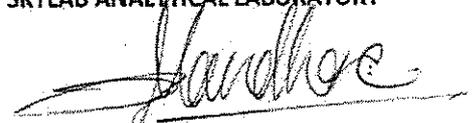
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Sr. Analyst



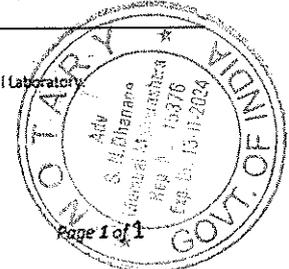
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907254

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-1352)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. :ANC(23-24-1352)

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE : 21/12/2023 TO 22/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leg
	Min.	Max.	
06.00 to 07.00	56.7	97.4	69.5
07.00 to 08.00	57.7	91.1	70.1
08.00 to 09.00	66.9	97.0	74.8
09.00 to 10.00	63.9	96.1	76.0
10.00 to 11.00	61.0	95.8	74.9
11.00 to 12.00	58.7	110.9	67.3
12.00 to 13.00	59.2	94.7	75.2
13.00 to 14.00	57.9	97.5	76.5
14.00 to 15.00	60.0	92.6	66.4
15.00 to 16.00	60.4	104.3	66.7
16.00 to 17.00	61.7	97.9	76.8
17.00 to 18.00	57.3	90.8	67.1
18.00 to 19.00	56.1	94.9	76.5
19.00 to 20.00	58.0	97.9	74.8
20.00 to 21.00	59.2	98.8	75.9
21.00 to 22.00	57.0	91.7	69.7

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leg
	Min.	Max.	
22.00 to 23.00	58.1	94.8	64.1
23.00 to 00.00	56.2	94.2	67.9
00.00 to 01.00	58.1	95.2	71.7
01.00 to 02.00	53.2	88.0	64.8
02.00 to 03.00	51.9	85.0	59.9
03.00 to 04.00	49.0	95.7	64.2
04.00 to 05.00	54.5	92.3	67.8
05.00 to 06.00	56.2	91.9	68.5

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	56.7	110.9	75.3	70.5	65.4	73.4	72.8
Night Time (22.00 Hrs to 06.00Hrs)	49.0	95.7	69.4	62.3	57.7		64.3

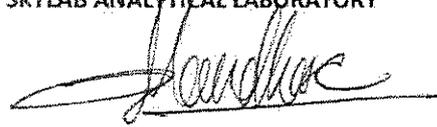
Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst

For SKYLAB ANALYTICAL LABORATORY

Technical Manager
 Authorized Signatory

END OF REPORT

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Mob. : 9867577309-312 / 8422929165. Email : mails@skylabenviro.com, Website : www.skylabenviro.com

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TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-1354)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: **AMBIENT NOISE LEVEL MONITORING**
SAMPLE REGISTRATION NO. :ANC(23-24-1354) **SAMPLE COLLECTED BY** : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981 **SAMPLE LOCATION** : Gate No.5, Secant Pile VUP Area
SAMPLING DATE : 22/12/2023 TO 23/12/2023 **COORDINATES** :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	52.2	94.8	63.8
07.00 to 08.00	46.0	99.3	64.1
08.00 to 09.00	45.6	96.9	64.1
09.00 to 10.00	52.2	92.2	64.2
10.00 to 11.00	46.0	99.3	63.2
11.00 to 12.00	45.6	95.6	64.1
12.00 to 13.00	52.0	96.9	66.6
13.00 to 14.00	53.6	106.2	78.2
14.00 to 15.00	60.0	96.6	67.5
15.00 to 16.00	56.1	94.3	68.2
16.00 to 17.00	56.3	95.0	74.5
17.00 to 18.00	53.5	96.6	76.9
18.00 to 19.00	52.1	93.2	73.5
19.00 to 20.00	56.0	93.6	74.6
20.00 to 21.00	53.3	94.5	76.5
21.00 to 22.00	59.8	95.0	69.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	42.6	70.0	48.0
23.00 to 00.00	41.7	72.7	46.6
00.00 to 01.00	41.6	68.0	50.4
01.00 to 02.00	42.8	78.9	51.3
02.00 to 03.00	41.7	75.1	54.2
03.00 to 04.00	42.4	79.6	63.0
04.00 to 05.00	44.6	74.5	56.4
05.00 to 06.00	44.0	86.6	60.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	45.6	106.2	72.8	67.3	61.6	70.9	71.5
Night Time (22.00 Hrs to 06.00Hrs)	41.6	86.6	62.9	58.3	53.9		59.3

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

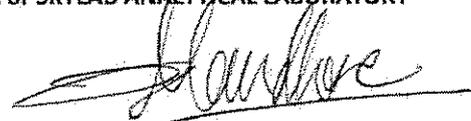
Verified by



Sr. Analyst



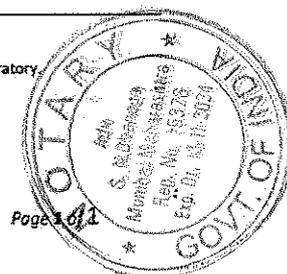
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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Page 1 of 1

SALAC24230907257

202, CFC-3, Asmeeta Texpa, Addi.Kalyan-Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi, Dist. Thane, Maharashtra, INDIA. Pincode-421311.

Mob. : 9867577309-312 / 8422929165. Email : mails@skylabenviro.com, Website : www.skylabenviro.com

SKYLAB is always subject to improvement. For better customer satisfaction, we welcome your feedback on : feedback@skylabenviro.com

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-1356)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLO/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-1356)

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 23/12/2023 TO 24/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	55.6	89.7	70.3
07.00 to 08.00	55.4	86.0	61.9
08.00 to 09.00	55.1	94.4	64.0
09.00 to 10.00	55.3	81.4	60.3
10.00 to 11.00	56.0	101.3	69.7
11.00 to 12.00	55.6	88.6	65.9
12.00 to 13.00	55.4	86.0	60.1
13.00 to 14.00	54.9	105.8	69.5
14.00 to 15.00	56.9	96.8	72.5
15.00 to 16.00	57.8	91.6	66.1
16.00 to 17.00	57.1	89.4	63.4
17.00 to 18.00	56.2	97.9	61.9
18.00 to 19.00	56.2	81.9	60.7
19.00 to 20.00	58.2	84.4	67.7
20.00 to 21.00	57.3	83.6	67.4
21.00 to 22.00	55.1	84.3	67.0

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.0	83.7	61.5
23.00 to 00.00	50.0	90.4	53.2
00.00 to 01.00	50.1	88.8	63.1
01.00 to 02.00	50.1	91.5	71.5
02.00 to 03.00	50.3	91.4	63.3
03.00 to 04.00	50.3	94.3	60.5
04.00 to 05.00	50.3	85.9	61.4
05.00 to 06.00	50.1	86.7	62.6

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	54.9	105.8	70.4	63.1	59.0	71.6	68.3
Night Time (22.00 Hrs to 06.00Hrs)	50.0	94.3	67.8	58.5	53.8		64.8

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

Verified by



Sr. Analyst



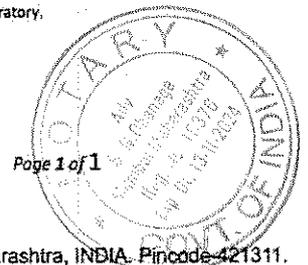
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP/FM05/12/ANC(23-24-1358)

REPORT DATE : 28/12/2023

CUSTOMER REF :SLO/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-1358)

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. :S 9989: 1981

SAMPLING DATE : 24/12/2023 TO 25/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area

COORDINATES :19° 0' 35.3844" N,72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	63.4	109.2	74.1
07.00 to 08.00	52.4	91.3	75.4
08.00 to 09.00	55.6	77.7	77.0
09.00 to 10.00	58.3	101.7	66.6
10.00 to 11.00	60.2	66.6	66.6
11.00 to 12.00	59.8	95.8	76.2
12.00 to 13.00	56.4	110.5	75.6
13.00 to 14.00	57.1	109.4	73.5
14.00 to 15.00	55.4	110.3	67.5
15.00 to 16.00	56.0	92.6	66.6
16.00 to 17.00	52.9	100.5	66.8
17.00 to 18.00	57.2	105.0	66.8
18.00 to 19.00	57.4	90.8	79.2
19.00 to 20.00	58.1	100.9	74.8
20.00 to 21.00	53.3	76.0	66.7
21.00 to 22.00	60.1	107.5	77.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	46.5	93.9	74.2
23.00 to 00.00	45.3	93.3	69.4
00.00 to 01.00	45.3	81.0	57.4
01.00 to 02.00	44.4	87.4	52.4
02.00 to 03.00	43.2	75.0	48.2
03.00 to 04.00	43.7	80.5	54.2
04.00 to 05.00	45.3	85.8	58.6
05.00 to 06.00	45.5	79.9	68.6

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{0N}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	52.4	110.5	75.4	70.1	63.8	74.1	73.2
Night Time (22.00 Hrs to 06.00Hrs)	43.2	93.9	68.7	61.0	54.0		65.4

Note: Construction Activity -1) General Traffic Movement near the site.
 2) Excavation/ Breaking work & Equipment Movement.

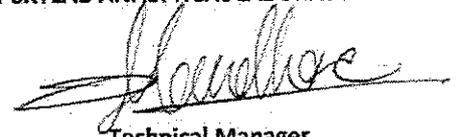
Verified by



Sr. Analyst



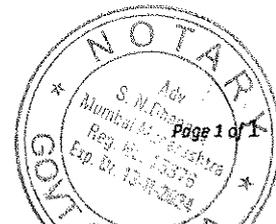
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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Mob. : 9867577309-312 / 8422929165. Email : mails@skylabenviro.com, Website : www.skylabenviro.com

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TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
World Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP/FM05/12/ANC(23-24-1360)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING
SAMPLE REGISTRATION NO. : ANC(22-23-1360)
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 25/12/2023 TO 26/12/2023

SAMPLE LOCATION : Gate No.5, Secant Pile VUP Area
COORDINATES : 19° 0' 35.3844" N, 72° 48' 45.3024" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	51.2	82.6	72.7
07.00 to 08.00	48.6	84.1	71.8
08.00 to 09.00	52.1	77.2	71.0
09.00 to 10.00	51.3	78.6	72.1
10.00 to 11.00	55.7	81.5	74.7
11.00 to 12.00	55.9	87.9	70.4
12.00 to 13.00	67.6	92.9	75.2
13.00 to 14.00	54.7	89.0	72.3
14.00 to 15.00	65.8	112.3	76.9
15.00 to 16.00	66.6	85.3	73.4
16.00 to 17.00	57.0	95.0	76.0
17.00 to 18.00	66.7	94.7	75.8
18.00 to 19.00	57.8	84.1	77.0
19.00 to 20.00	66.0	85.6	74.4
20.00 to 21.00	53.6	90.5	73.4
21.00 to 22.00	51.1	81.2	71.4

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	52.1	77.7	60.7
23.00 to 00.00	50.2	94.6	67.6
00.00 to 01.00	43.3	86.8	69.1
01.00 to 02.00	51.3	89.4	68.0
02.00 to 03.00	50.9	77.6	67.7
03.00 to 04.00	50.9	81.7	69.9
04.00 to 05.00	53.8	90.3	62.6
05.00 to 06.00	52.9	87.4	63.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.6	112.3	76.3	70.1	65.8	75.3	74.6
Night Time (22.00 Hrs to 06.00Hrs)	43.3	94.6	68.8	61.9	55.4		66.5

Note: Construction Activity -1) General Traffic Movement near the site.
2) Excavation/ Breaking work & Equipment Movement.

Verified by

Gmalt

Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

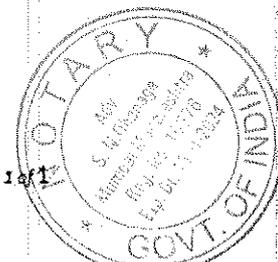
[Signature]

Technical Manager
Authorized Signatory

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SALAC24230907260



TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/11/ANC(23-24-1701)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : ANC(23-24-1701)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 26/11/2023 TO 27/11/2023

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max	
06.00 to 07.00	51.3	87.8	61.4
07.00 to 08.00	53.6	86.9	66.4
08.00 to 09.00	58.5	91.2	68.4
09.00 to 10.00	61.0	101.0	73.9
10.00 to 11.00	63.8	103.3	44.8
11.00 to 12.00	55.8	90.6	49.9
12.00 to 13.00	57.1	85.9	45.3
13.00 to 14.00	54.1	105.6	63.5
14.00 to 15.00	52.6	84.6	62.8
15.00 to 16.00	55.7	83.0	65.0
16.00 to 17.00	55.8	89.9	67.5
17.00 to 18.00	57.5	93.6	66.8
18.00 to 19.00	56.7	86.3	67.0
19.00 to 20.00	55.1	88.2	66.6
20.00 to 21.00	53.4	87.6	63.6
21.00 to 22.00	53.9	80.2	61.5

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max	
22.00 to 23.00	51.3	76.4	59.3
23.00 to 00.00	47.7	75.2	57.0
00.00 to 01.00	42.5	84.6	54.4
01.00 to 02.00	41.3	77.8	54.1
02.00 to 03.00	47.5	79.4	55.9
03.00 to 04.00	46.3	78.5	54.0
04.00 to 05.00	47.7	78.2	55.1
05.00 to 06.00	47.1	94.2	61.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

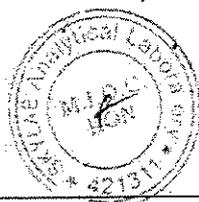
Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.3	105.6	68.1	59.4	55.9	66.7	66.3
Night Time (22.00 Hrs to 06.00Hrs)	41.3	94.2	61.3	54.2	50.0		57.4

Note: Construction Activity -1) General Traffic Movement near the site.

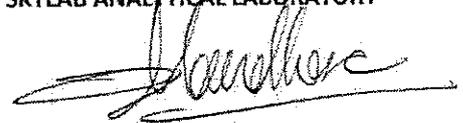
Verified by



Sr. Analyst



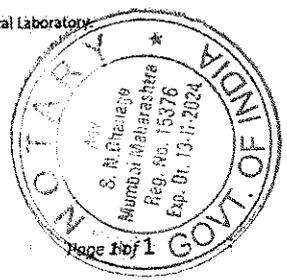
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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TC 5150

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/11/ANC(23-24-1703)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: **AMBIENT NOISE LEVEL MONITORING**

SAMPLE REGISTRATION NO. : ANC(23-24-1703)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 27/11/2023 TO 28/11/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	50.9	84.1	62.5
07.00 to 08.00	55.9	90.1	69.7
08.00 to 09.00	57.6	77.2	63.9
09.00 to 10.00	40.0	97.9	65.1
10.00 to 11.00	40.0	78.3	50.2
11.00 to 12.00	50.0	79.9	83.2
12.00 to 13.00	44.5	79.9	71.3
13.00 to 14.00	58.5	105.5	66.9
14.00 to 15.00	57.5	88.7	65.2
15.00 to 16.00	55.7	84.6	63.2
16.00 to 17.00	57.1	80.4	63.2
17.00 to 18.00	58.5	85.3	64.8
18.00 to 19.00	59.6	87.0	65.5
19.00 to 20.00	59.2	91.2	69.1
20.00 to 21.00	58.4	93.2	66.3
21.00 to 22.00	57.8	81.1	71.4

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	59.8	90.3	72.3
23.00 to 00.00	52.9	88.1	62.1
00.00 to 01.00	43.9	83.4	59.1
01.00 to 02.00	39.0	76.0	55.0
02.00 to 03.00	40.7	85.0	57.0
03.00 to 04.00	53.7	73.7	60.0
04.00 to 05.00	41.6	77.1	58.2
05.00 to 06.00	45.2	79.1	59.5

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	40.0	105.5	70.3	63.7	59.0	73.3	72.5
Night Time (22.00 Hrs to 06.00Hrs)	39.0	90.3	63.8	58.7	54.0		64.5

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

(Signature)

Sr. Analyst



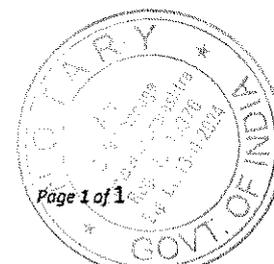
For SKYLAB ANALYTICAL LABORATORY

(Signature)

Technical Manager
 Authorized Signatory

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TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/11/ANC(23-24-1705)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-1705)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 28/11/2023 TO 29/11/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	45.0	76.6	50.6
07.00 to 08.00	47.8	73.5	51.6
08.00 to 09.00	46.3	73.0	52.8
09.00 to 10.00	49.0	79.3	54.3
10.00 to 11.00	47.2	102.2	76.3
11.00 to 12.00	45.1	91.2	68.1
12.00 to 13.00	48.8	94.6	67.3
13.00 to 14.00	50.3	82.9	64.3
14.00 to 15.00	52.7	94.6	65.9
15.00 to 16.00	51.9	94.6	66.7
16.00 to 17.00	49.8	86.4	66.5
17.00 to 18.00	53.9	89.3	69.6
18.00 to 19.00	49.6	81.5	62.8
19.00 to 20.00	47.6	100.7	78.3
20.00 to 21.00	46.5	78.2	66.7
21.00 to 22.00	45.0	74.3	64.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	45.9	93.5	52.2
23.00 to 00.00	42.9	79.5	50.3
00.00 to 01.00	41.2	75.8	46.6
01.00 to 02.00	41.0	60.9	47.2
02.00 to 03.00	41.9	82.6	46.6
03.00 to 04.00	41.5	72.5	44.5
04.00 to 05.00	40.0	71.4	44.3
05.00 to 06.00	43.3	69.2	45.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	LDN	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	45.0	102.2	68.1	63.6	58.4	66.7	64.8
Night Time (22.00 Hrs to 06.00Hrs)	40.0	93.5	62.0	57.9	53.7		59.0

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

Sr. Analyst

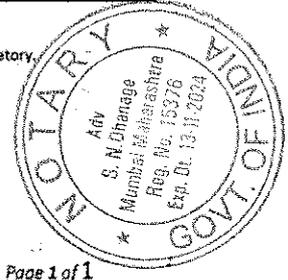


For SKYLAB ANALYTICAL LABORATORY

Technical Manager
Authorized Signatory

END OF REPORT

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- Any attempt of forgery or misleading use of this report by any person/organization etc will attract suitable legal action against them by SkyLab Analytical Laboratory.



SALAC24230907264

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/11/ANC(23-24-1707)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-1707)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 29/11/2023 TO 30/11/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	56.2	86.6	62.4
07.00 to 08.00	56.2	77.9	62.7
08.00 to 09.00	56.5	101.5	63.9
09.00 to 10.00	58.4	83.3	65.4
10.00 to 11.00	58.8	90.9	67.0
11.00 to 12.00	57.7	95.8	66.2
12.00 to 13.00	52.7	105.0	68.2
13.00 to 14.00	57.0	100.0	70.8
14.00 to 15.00	57.1	86.3	66.3
15.00 to 16.00	54.3	92.6	64.2
16.00 to 17.00	55.4	90.3	63.3
17.00 to 18.00	57.6	95.2	63.0
18.00 to 19.00	57.7	90.8	62.8
19.00 to 20.00	57.8	81.4	61.9
20.00 to 21.00	57.5	83.7	61.4
21.00 to 22.00	56.3	77.4	60.8

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	58.8	80.2	61.9
23.00 to 00.00	57.8	91.9	60.6
00.00 to 01.00	57.5	73.7	60.6
01.00 to 02.00	56.0	79.1	60.6
02.00 to 03.00	48.5	75.9	59.7
03.00 to 04.00	48.2	74.3	58.8
04.00 to 05.00	48.4	78.6	59.4
05.00 to 06.00	48.9	74.0	60.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{0N}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	52.7	105.0	72.5	65.0	60.9	69.1	68.3
Night Time (22.00 Hrs to 06.00Hrs)	48.2	91.9	63.8	59.7	55.1		60.4

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230807265



TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/11/ANC(23-24-1709)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCGH/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-1709)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 30/11/2023 TO 01/12/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	60.9	81.9	64.0
07.00 to 08.00	61.4	102.4	74.6
08.00 to 09.00	62.7	95.6	67.9
09.00 to 10.00	64.0	93.1	67.0
10.00 to 11.00	63.1	99.9	68.1
11.00 to 12.00	63.4	92.9	68.8
12.00 to 13.00	64.0	68.9	68.9
13.00 to 14.00	63.8	81.5	63.1
14.00 to 15.00	63.4	97.8	73.5
15.00 to 16.00	63.0	89.8	68.1
16.00 to 17.00	63.7	103.4	77.7
17.00 to 18.00	61.6	97.7	67.8
18.00 to 19.00	61.2	84.6	64.7
19.00 to 20.00	61.1	89.2	65.0
20.00 to 21.00	58.6	98.0	64.7
21.00 to 22.00	61.3	77.6	64.0

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	52.0	93.5	57.2
23.00 to 00.00	52.0	93.9	60.7
00.00 to 01.00	58.6	93.3	59.8
01.00 to 02.00	57.2	90.1	60.3
02.00 to 03.00	52.0	91.5	54.7
03.00 to 04.00	52.0	92.4	59.9
04.00 to 05.00	52.0	90.8	57.0
05.00 to 06.00	52.0	91.4	55.6

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	58.6	103.4	72.5	66.7	64.3	69.1	69.3
Night Time (22.00 Hrs to 06.00Hrs)	52.0	93.9	62.4	56.6	52.8		58.6

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



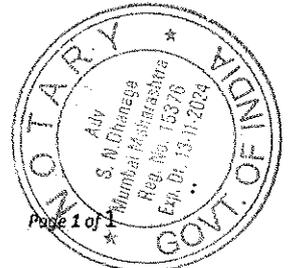
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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SALAC24230907266

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-0143)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLO/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0143)
 SAMPLING PLAN & METHOD NO. :IS 9989: 1981
 SAMPLING DATE : 01/12/2023 TO 02/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Green Lawns School
 COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	53.6	85.4	63.2
07.00 to 08.00	53.4	88.6	65.0
08.00 to 09.00	56.0	87.2	65.8
09.00 to 10.00	57.3	68.9	72.8
10.00 to 11.00	57.5	81.5	66.6
11.00 to 12.00	57.9	86.0	66.4
12.00 to 13.00	56.2	88.7	66.4
13.00 to 14.00	55.3	108.2	66.0
14.00 to 15.00	55.9	88.0	65.6
15.00 to 16.00	54.8	84.8	65.7
16.00 to 17.00	54.9	87.9	66.6
17.00 to 18.00	57.0	84.6	66.0
18.00 to 19.00	55.9	85.9	65.6
19.00 to 20.00	53.5	83.0	64.9
20.00 to 21.00	52.7	86.9	63.6
21.00 to 22.00	50.1	88.7	61.8

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	49.3	81.4	59.2
23.00 to 00.00	46.2	94.7	57.0
00.00 to 01.00	45.9	80.0	53.4
01.00 to 02.00	44.7	76.1	51.4
02.00 to 03.00	44.0	72.7	49.9
03.00 to 04.00	43.2	77.9	53.5
04.00 to 05.00	46.4	78.0	56.9
05.00 to 06.00	49.9	86.9	62.5

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50.1	108.2	70.2	64.1	60.5	66.8	66.5
Night Time (22.00 Hrs to 06.00Hrs)	43.2	94.7	60.6	53.4	49.4		57.3

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by,



Sr. Analyst



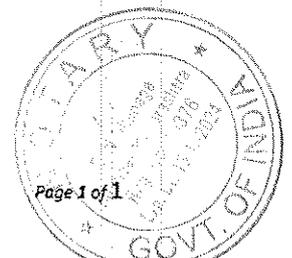
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-0289)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLO/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0289)
 SAMPLING PLAN & METHOD NO. :IS 9989: 1981
 SAMPLING DATE : 02/12/2023 to 03/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Green Lawns School
 COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	60.6	86.8	62.1
07.00 to 08.00	59.0	87.0	62.0
08.00 to 09.00	62.3	76.8	62.5
09.00 to 10.00	64.8	88.8	67.8
10.00 to 11.00	56.1	68.9	64.7
11.00 to 12.00	60.5	81.5	69.1
12.00 to 13.00	60.0	92.6	68.7
13.00 to 14.00	55.2	89.4	68.2
14.00 to 15.00	58.4	102.8	71.1
15.00 to 16.00	56.9	98.1	69.2
16.00 to 17.00	59.4	92.6	69.8
17.00 to 18.00	60.3	98.4	74.0
18.00 to 19.00	60.0	104.6	73.0
19.00 to 20.00	59.1	92.4	69.3
20.00 to 21.00	58.4	89.9	63.7
21.00 to 22.00	55.7	84.2	63.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.8	84.4	61.5
23.00 to 00.00	59.8	83.7	62.0
00.00 to 01.00	52.3	81.6	62.7
01.00 to 02.00	51.7	83.4	63.2
02.00 to 03.00	54.8	85.3	62.7
03.00 to 04.00	53.6	77.4	62.0
04.00 to 05.00	48.5	81.2	62.6
05.00 to 06.00	52.9	79.4	62.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	47.0	104.6	74.3	66.2	59.6	73.8	72.4
Night Time (22.00 Hrs to 06.00Hrs)	48.5	93.6	69.0	64.5	60.7		65.8

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



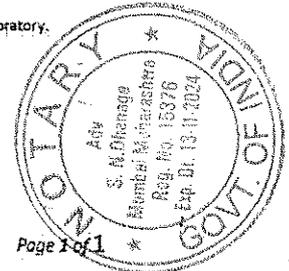
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907268

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-0295)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0295)
 SAMPLING PLAN & METHOD NO. :IS 9989: 1981
 SAMPLING DATE : 03/12/2023 TO 04/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Green Lawns School
 COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	54.5	84.7	63.0
07.00 to 08.00	56.4	82.6	65.0
08.00 to 09.00	54.1	103.8	67.0
09.00 to 10.00	55.1	95.5	82.8
10.00 to 11.00	54.0	68.9	77.1
11.00 to 12.00	54.7	81.5	67.5
12.00 to 13.00	57.1	91.6	67.5
13.00 to 14.00	57.5	90.8	67.4
14.00 to 15.00	55.8	92.2	67.1
15.00 to 16.00	56.6	85.6	66.7
16.00 to 17.00	59.3	92.5	67.3
17.00 to 18.00	59.3	88.6	67.2
18.00 to 19.00	58.6	92.7	67.5
19.00 to 20.00	58.3	92.1	67.5
20.00 to 21.00	57.2	87.2	66.4
21.00 to 22.00	57.0	90.3	65.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	55.6	88.5	63.4
23.00 to 00.00	54.5	83.0	61.8
00.00 to 01.00	53.6	83.9	60.8
01.00 to 02.00	53.2	77.9	60.1
02.00 to 03.00	52.9	79.9	61.6
03.00 to 04.00	53.5	80.1	61.6
04.00 to 05.00	53.7	82.1	62.0
05.00 to 06.00	54.6	76.0	61.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	54.0	106.1	73.9	66.0	61.1	72.2	72.0
Night Time (22.00 Hrs to 06.00Hrs)	52.9	88.5	64.8	60.6	57.0		62.7

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

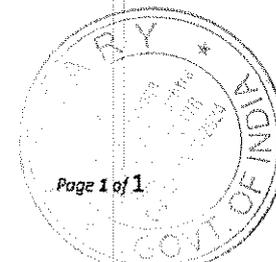


Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907269



202, CFC-3, Asmeeta Texpa, Addl.Kalyan-Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi, Dist., Thane, Maharashtra, INDIA. Pincode-421311.

Mob. : 9867577309-312 / 8422929165. Email : mails@skylabenviro.com, Website : www.skylabenviro.com

SKYLAB is always subject to improvement. For better customer satisfaction, we welcome your feedback on : feedback@skylabenviro.com

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-301C)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLO/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-301C)
 SAMPLING PLAN & METHOD NO. :IS 9989: 1981
 SAMPLING DATE : 04/12/2023 TO 05/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Green Lawns School
 COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	72.3	84.8	73.9
07.00 to 08.00	70.1	88.5	72.4
08.00 to 09.00	67.8	91.7	73.4
09.00 to 10.00	67.8	91.7	76.0
10.00 to 11.00	67.8	87.6	76.0
11.00 to 12.00	51.0	81.5	77.0
12.00 to 13.00	72.0	104.3	75.5
13.00 to 14.00	71.5	85.5	64.5
14.00 to 15.00	71.1	97.9	79.5
15.00 to 16.00	71.2	92.5	71.9
16.00 to 17.00	71.0	88.2	72.4
17.00 to 18.00	69.8	89.2	73.4
18.00 to 19.00	70.2	99.7	79.0
19.00 to 20.00	69.8	91.1	73.7
20.00 to 21.00	71.7	85.7	73.8
21.00 to 22.00	71.8	80.5	73.6

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	45.6	83.9	63.1
23.00 to 00.00	45.5	81.6	63.9
00.00 to 01.00	47.6	88.3	66.7
01.00 to 02.00	45.9	93.8	64.1
02.00 to 03.00	46.2	92.4	64.4
03.00 to 04.00	46.0	90.2	64.6
04.00 to 05.00	48.1	91.7	64.2
05.00 to 06.00	47.0	93.7	64.2

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

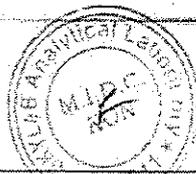
Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.0	104.4	73.3	68.0	62.6	72.7	71.4
Night Time (22.00 Hrs to 06.00Hrs)	45.5	93.8	69.0	64.2	60.3		64.5

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

Gmatw

Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

Handwritten Signature

Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230807270

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-301C)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. :ANC(23-24-301C)
SAMPLE LOCATION : Green Lawns School

SAMPLING PLAN & METHOD NO. :IS 9989: 1981
SAMPLING DATE : 04/12/2023 TO 05/12/2023

SAMPLE COLLECTED BY : SKYLAB
COORDINATES : 19° 0' 47.0654" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	72.3	84.8	73.9
07.00 to 08.00	70.1	88.5	72.4
08.00 to 09.00	67.8	91.7	73.4
09.00 to 10.00	67.8	91.7	76.0
10.00 to 11.00	67.8	87.6	76.0
11.00 to 12.00	51.0	81.5	77.0
12.00 to 13.00	72.0	104.3	75.5
13.00 to 14.00	71.5	85.5	64.5
14.00 to 15.00	71.1	97.9	79.5
15.00 to 16.00	71.2	92.5	71.9
16.00 to 17.00	71.0	88.2	72.4
17.00 to 18.00	69.8	89.2	73.4
18.00 to 19.00	70.2	99.7	79.0
19.00 to 20.00	69.8	91.1	73.7
20.00 to 21.00	71.7	85.7	73.8
21.00 to 22.00	71.8	80.5	73.6

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	45.6	83.9	63.1
23.00 to 00.00	45.5	81.6	63.9
00.00 to 01.00	47.6	88.3	66.7
01.00 to 02.00	45.9	93.8	64.1
02.00 to 03.00	46.2	92.4	64.4
03.00 to 04.00	46.0	90.2	64.6
04.00 to 05.00	48.1	91.7	64.2
05.00 to 06.00	47.0	93.7	64.2

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	51.0	104.4	73.3	68.0	62.6	72.7	71.4
Night Time (22.00 Hrs to 06.00Hrs)	45.5	93.8	69.0	64.2	60.3		64.5

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by .



Sr. Analyst



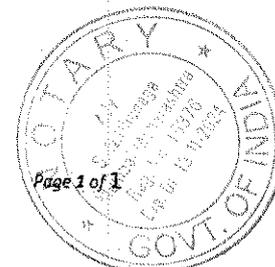
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907271

TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-0307)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-0307)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 05/12/2023 TO 06/12/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	49.9	92.8	61.1
07.00 to 08.00	50.3	90.8	61.3
08.00 to 09.00	55.8	100.4	63.3
09.00 to 10.00	54.1	91.8	63.0
10.00 to 11.00	52.9	108.3	64.2
11.00 to 12.00	50.0	99.0	61.1
12.00 to 13.00	50.2	68.9	61.7
13.00 to 14.00	51.4	81.5	68.5
14.00 to 15.00	57.5	101.3	71.6
15.00 to 16.00	52.3	89.6	65.8
16.00 to 17.00	50.3	85.3	62.3
17.00 to 18.00	50.3	80.4	59.6
18.00 to 19.00	51.9	78.5	59.3
19.00 to 20.00	49.8	96.7	61.5
20.00 to 21.00	48.5	75.3	54.7
21.00 to 22.00	48.0	100.9	52.5

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	44.4	85.0	52.0
23.00 to 00.00	44.9	74.0	50.4
00.00 to 01.00	44.1	80.4	51.9
01.00 to 02.00	44.2	81.2	51.0
02.00 to 03.00	44.2	93.8	51.6
03.00 to 04.00	44.1	83.4	53.9
04.00 to 05.00	48.9	87.5	58.5
05.00 to 06.00	48.9	93.6	59.0

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.0	108.3	67.0	59.6	55.4	68.6	68.3
Night Time (22.00 Hrs to 06.00Hrs)	44.1	93.8	58.5	52.1	49.3		58.8

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

Gmat

Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

[Signature]

Technical Manager
Authorized Signatory

END OF REPORT

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230

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-0329)

REPORT DATE : 28/12/2023

CUSTOMER REF :SLQ/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0329)
 SAMPLING PLAN & METHOD NO. :IS 9989: 1981
 SAMPLING DATE : 06/12/2023 TO 07/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Green Lawns School
 COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	58.5	93.6	69.3
07.00 to 08.00	54.0	109.8	73.9
08.00 to 09.00	54.5	94.9	65.5
09.00 to 10.00	57.6	112.6	74.7
10.00 to 11.00	60.7	105.5	71.9
11.00 to 12.00	62.8	91.2	68.8
12.00 to 13.00	59.3	68.9	71.5
13.00 to 14.00	60.4	81.5	71.4
14.00 to 15.00	60.0	96.9	70.5
15.00 to 16.00	57.8	93.3	70.5
16.00 to 17.00	55.7	95.0	67.8
17.00 to 18.00	55.9	90.7	67.0
18.00 to 19.00	54.2	97.1	68.5
19.00 to 20.00	66.2	99.2	69.2
20.00 to 21.00	66.1	89.5	68.2
21.00 to 22.00	66.6	94.6	68.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	56.5	86.9	68.4
23.00 to 00.00	56.8	89.1	68.8
00.00 to 01.00	56.7	84.4	68.2
01.00 to 02.00	56.0	81.1	68.2
02.00 to 03.00	57.2	84.9	68.3
03.00 to 04.00	57.8	77.4	69.6
04.00 to 05.00	50.0	78.1	62.8
05.00 to 06.00	50.4	93.9	65.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	54.0	112.6	72.0	65.8	61.3	71.5	70.4
Night Time (22.00 Hrs to 06.00Hrs)	50.4	93.9	65.1	59.3	55.1		63.2

Note: Construction Activity -1] General Traffic Movement near the site.

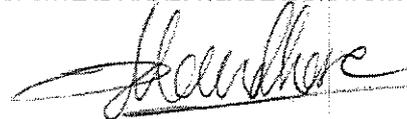
Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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SALAC24230907273

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-0333)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:
 SAMPLE REGISTRATION NO. : ANC(23-24-0333)
 SAMPLING PLAN & METHOD NO. : IS 9989: 1981
 SAMPLING DATE : 07/12/2023 TO 08/12/2023

AMBIENT NOISE LEVEL MONITORING
 SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Green Lawns School
 COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	55.5	74.8	62.9
07.00 to 08.00	52.1	86.1	69.5
08.00 to 09.00	52.7	85.1	63.3
09.00 to 10.00	54.2	80.1	66.6
10.00 to 11.00	54.2	82.1	66.6
11.00 to 12.00	65.2	84.5	69.0
12.00 to 13.00	50.0	81.5	64.9
13.00 to 14.00	50.1	80.6	61.7
14.00 to 15.00	50.0	101.4	75.7
15.00 to 16.00	50.5	94.6	61.6
16.00 to 17.00	50.0	93.0	60.9
17.00 to 18.00	50.9	88.8	62.8
18.00 to 19.00	51.2	89.6	60.1
19.00 to 20.00	50.7	99.5	63.0
20.00 to 21.00	50.7	93.2	68.0
21.00 to 22.00	57.2	81.6	60.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	48.9	83.4	62.3
23.00 to 00.00	50.2	93.8	68.9
00.00 to 01.00	55.5	90.4	62.9
01.00 to 02.00	52.1	90.5	69.5
02.00 to 03.00	52.7	92.7	69.8
03.00 to 04.00	55.0	93.0	60.6
04.00 to 05.00	54.2	93.6	60.9
05.00 to 06.00	51.9	93.9	63.1

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50.0	109.4	72.1	67.4	61.1	69.2	67.9
Night Time (22.00 Hrs to 06.00Hrs)	48.9	93.9	66.8	63.6	58.7		61.0

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907274

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-339C)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-339C)
 SAMPLING PLAN & METHOD NO. :IS 9989: 1981
 SAMPLING DATE : 08/12/2023 TO 09/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Green Lawns School
 COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	46.1	79.9	59.1
07.00 to 08.00	51.4	83.7	60.5
08.00 to 09.00	47.0	90.7	58.7
09.00 to 10.00	48.1	83.9	58.7
10.00 to 11.00	47.3	83.8	58.4
11.00 to 12.00	46.6	73.7	57.8
12.00 to 13.00	52.8	81.3	60.5
13.00 to 14.00	47.8	81.7	60.0
14.00 to 15.00	46.9	77.9	61.1
15.00 to 16.00	50.9	87.4	64.6
16.00 to 17.00	51.8	85.9	67.3
17.00 to 18.00	54.0	89.4	68.9
18.00 to 19.00	55.1	99.1	74.8
19.00 to 20.00	54.6	90.6	73.4
20.00 to 21.00	52.6	80.7	62.4
21.00 to 22.00	53.6	79.9	60.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	51.0	83.7	60.7
23.00 to 00.00	47.0	84.5	57.7
00.00 to 01.00	48.5	83.9	58.7
01.00 to 02.00	47.1	83.8	57.9
02.00 to 03.00	46.6	81.3	60.4
03.00 to 04.00	51.7	79.7	58.6
04.00 to 05.00	46.9	74.2	55.1
05.00 to 06.00	45.7	68.6	53.0

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	46.1	99.1	67.2	60.4	55.2	67.4	66.9
Night Time (22.00 Hrs to 06.00Hrs)	45.7	84.5	62.2	56.0	52.0		58.3

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-0345)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-0345)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 09/12/2023 TO 10/12/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	48.6	101.2	65.4
07.00 to 08.00	43.7	74.8	69.3
08.00 to 09.00	46.3	98.6	67.2
09.00 to 10.00	60.0	106.4	67.6
10.00 to 11.00	46.1	101.2	65.4
11.00 to 12.00	43.7	74.8	69.6
12.00 to 13.00	46.3	98.6	67.2
13.00 to 14.00	47.1	112.2	66.9
14.00 to 15.00	47.3	76.7	65.4
15.00 to 16.00	46.1	110.3	64.9
16.00 to 17.00	46.8	108.2	64.9
17.00 to 18.00	46.4	110.3	65.7
18.00 to 19.00	47.0	78.2	67.2
19.00 to 20.00	44.0	76.8	69.4
20.00 to 21.00	41.8	79.8	70.6
21.00 to 22.00	41.6	71.1	57.0

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	41.2	77.0	49.3
23.00 to 00.00	42.6	87.2	58.9
00.00 to 01.00	42.3	63.3	45.7
01.00 to 02.00	42.5	76.5	45.6
02.00 to 03.00	42.4	67.0	45.1
03.00 to 04.00	43.0	69.1	49.7
04.00 to 05.00	42.7	95.4	52.7
05.00 to 06.00	45.3	87.8	61.2

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{0N}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	41.6	112.2	68.3	63.6	56.6	66.6	67.2
Night Time (22.00 Hrs to 06.00Hrs)	41.2	95.4	55.9	48.7	44.8		55.1

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

Gmab

Sr. Analyst



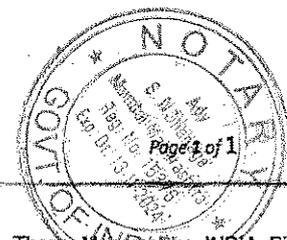
For SKYLAB ANALYTICAL LABORATORY

Handwritten Signature

Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907276

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-0350)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-0350)
SAMPLE COLLECTED BY : SKYLAB

SAMPLING PLAN & METHOD NO. : IS 9989:1981
SAMPLE LOCATION : Green Lawns School

SAMPLING DATE : 10/12/2023 TO 11/12/2023
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max	
06.00 to 07.00	63.4	86.4	68.2
07.00 to 08.00	65.1	96.2	71.4
08.00 to 09.00	66.2	90.2	69.7
09.00 to 10.00	66.8	87.6	70.5
10.00 to 11.00	67.1	104.8	75.4
11.00 to 12.00	67.9	95.8	77.0
12.00 to 13.00	62.4	96.4	68.5
13.00 to 14.00	59.7	85.3	75.6
14.00 to 15.00	66.7	93.1	69.9
15.00 to 16.00	67.9	90.2	60.3
16.00 to 17.00	68.4	94.6	68.8
17.00 to 18.00	66.0	99.7	65.5
18.00 to 19.00	71.2	100.0	70.3
19.00 to 20.00	60.3	110.2	81.0
20.00 to 21.00	60.5	104.0	72.3
21.00 to 22.00	67.4	91.1	76.2

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max	
22.00 to 23.00	69.4	93.4	72.6
23.00 to 00.00	65.3	91.0	72.2
00.00 to 01.00	64.4	90.6	69.1
01.00 to 02.00	64.0	84.4	67.4
02.00 to 03.00	63.8	88.1	67.1
03.00 to 04.00	55.4	91.6	67.1
04.00 to 05.00	63.3	78.0	66.3
05.00 to 06.00	63.1	76.1	67.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{0N}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	59.7	110.2	73.0	69.2	64.5	72.2	71.7
Night Time (22.00 Hrs to 06.00Hrs)	55.4	93.4	67.2	60.1	54.4		64.3

Note: Construction Activity -1) General Traffic Movement near the site.

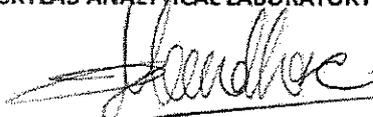
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Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
Authorized Signatory

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Page 1 of 1



202, CFC-3, Asmeeta Texpa, Addi.Kalyan-Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi, Dist. Thane, Maharashtra, INDIA. Pincode-421311.

Mob. : 9867577309-312 / 8422929165. Email : mails@skylabenviro.com, Website : www.skylabenviro.com

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TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-0372)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-0372)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 11/12/2023 TO 12/12/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	52.9	84.2	64.9
07.00 to 08.00	53.4	82.8	65.7
08.00 to 09.00	57.7	90.1	67.1
09.00 to 10.00	59.2	92.3	68.9
10.00 to 11.00	57.1	95.2	67.2
11.00 to 12.00	50.0	108.4	76.9
12.00 to 13.00	52.3	68.9	69.8
13.00 to 14.00	49.6	81.5	61.8
14.00 to 15.00	50.7	84.0	61.4
15.00 to 16.00	50.4	97.0	61.2
16.00 to 17.00	49.8	83.2	61.4
17.00 to 18.00	52.8	83.7	62.4
18.00 to 19.00	54.1	92.5	63.4
19.00 to 20.00	55.8	83.8	64.3
20.00 to 21.00	54.2	85.3	64.1
21.00 to 22.00	53.1	85.5	64.1

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	51.9	87.3	63.2
23.00 to 00.00	50.8	80.4	62.6
00.00 to 01.00	48.5	89.4	62.0
01.00 to 02.00	45.1	89.1	60.5
02.00 to 03.00	42.8	89.3	59.3
03.00 to 04.00	43.4	80.2	58.5
04.00 to 05.00	44.3	79.8	59.8
05.00 to 06.00	49.0	91.8	62.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	49.6	108.4	69.7	62.4	58.3	69.4	68.0
Night Time (22.00 Hrs to 06.00Hrs)	42.8	91.8	64.8	58.7	53.0		61.4

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907278

202, CFC-3, Asmeeta Texpa, Addi.Kalyan-Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi, Dist., Thane, Maharashtra, INDIA. Pincodes-421311.

Mob. : 9867577309-312 / 8422929165. Email : mails@skylabenviro.com, Website : www.skylabenviro.com

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-0645)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0645)

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 12/12/2023 TO 13/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Green Lawns School

COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	41.7	68.7	49.7
07.00 to 08.00	53.4	68.1	50.7
08.00 to 09.00	53.0	65.0	49.6
09.00 to 10.00	55.6	96.2	55.6
10.00 to 11.00	51.7	68.7	49.9
11.00 to 12.00	53.4	68.1	50.5
12.00 to 13.00	53.0	68.9	49.7
13.00 to 14.00	46.9	81.5	75.5
14.00 to 15.00	67.7	88.8	75.7
15.00 to 16.00	66.9	94.0	74.1
16.00 to 17.00	65.8	106.3	74.5
17.00 to 18.00	63.8	89.2	70.1
18.00 to 19.00	64.2	84.2	70.2
19.00 to 20.00	65.6	90.8	71.3
20.00 to 21.00	63.5	92.8	70.5
21.00 to 22.00	64.8	98.5	71.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	63.7	87.5	69.5
23.00 to 00.00	62.2	84.5	68.4
00.00 to 01.00	63.3	86.3	68.1
01.00 to 02.00	59.3	86.0	66.2
02.00 to 03.00	57.0	85.0	65.6
03.00 to 04.00	60.4	85.9	66.9
04.00 to 05.00	61.1	90.0	69.1
05.00 to 06.00	40.0	77.2	48.3

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

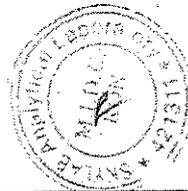
Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	41.7	106.3	66.8	61.8	59.0	72.8	70.7
Night Time (22.00 Hrs to 06.00Hrs)	40.0	90.0	68.8	64.4	61.9		65.3

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



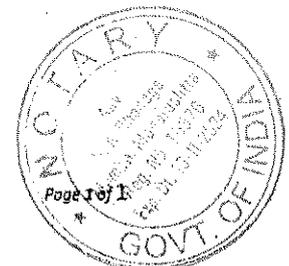
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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SALAC24230807279

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-0651)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:
 SAMPLE REGISTRATION NO. :ANC(23-24-0651)
 SAMPLING PLAN & METHOD NO. :IS 9989: 1981
 SAMPLING DATE : 13/12/2023 TO 14/12/2023

AMBIENT NOISE LEVEL MONITORING
 SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Green Lawns School
 COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	49.7	96.5	64.0
07.00 to 08.00	50.2	101.2	62.5
08.00 to 09.00	48.1	94.0	57.3
09.00 to 10.00	48.2	100.0	58.4
10.00 to 11.00	48.7	80.6	58.7
11.00 to 12.00	48.0	93.2	56.7
12.00 to 13.00	52.3	68.9	58.4
13.00 to 14.00	61.5	81.5	68.4
14.00 to 15.00	59.6	82.5	67.6
15.00 to 16.00	59.6	79.5	65.7
16.00 to 17.00	57.9	87.2	64.5
17.00 to 18.00	55.3	79.1	64.4
18.00 to 19.00	58.3	86.8	66.9
19.00 to 20.00	60.2	89.0	67.1
20.00 to 21.00	60.5	80.2	68.8
21.00 to 22.00	62.2	86.3	69.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.0	84.2	62.3
23.00 to 00.00	49.8	91.8	59.4
00.00 to 01.00	50.0	88.2	58.6
01.00 to 02.00	45.1	90.8	58.5
02.00 to 03.00	47.2	87.4	59.7
03.00 to 04.00	45.3	91.6	62.7
04.00 to 05.00	49.4	86.3	62.5
05.00 to 06.00	49.7	91.8	62.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	48.0	101.2	70.5	62.4	59.3	69.6	68.5
Night Time (22.00 Hrs to 06.00Hrs)	45.1	91.8	68.1	56.6	52.5		61.2

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

Gmat

Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

[Signature]

Technical Manager
 Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-651A)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-651A)

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 14/12/2023 TO 15/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Green Lawns School

COORDINATES :19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	50.2	90.4	66.2
07.00 to 08.00	48.4	93.5	75.5
08.00 to 09.00	50.9	94.9	70.2
09.00 to 10.00	56.4	100.7	74.2
10.00 to 11.00	50.1	98.9	66.4
11.00 to 12.00	48.4	102.6	73.0
12.00 to 13.00	49.5	71.4	64.4
13.00 to 14.00	50.5	88.5	65.2
14.00 to 15.00	52.5	84.7	61.6
15.00 to 16.00	49.7	86.2	63.6
16.00 to 17.00	49.3	91.3	69.3
17.00 to 18.00	49.8	87.6	67.4
18.00 to 19.00	48.2	91.5	68.6
19.00 to 20.00	49.1	89.0	68.4
20.00 to 21.00	47.2	87.3	64.3
21.00 to 22.00	46.4	88.7	63.6

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	44.8	98.9	55.0
23.00 to 00.00	44.0	68.7	48.6
00.00 to 01.00	43.2	68.7	46.2
01.00 to 02.00	44.7	73.9	47.7
02.00 to 03.00	45.3	71.2	52.7
03.00 to 04.00	47.8	72.2	53.4
04.00 to 05.00	49.8	69.9	53.4
05.00 to 06.00	49.7	72.5	56.0

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	46.4	102.6	73.9	66.8	59.8	68.8	68.7
Night Time (22.00 Hrs to 06.00Hrs)	43.2	98.9	59.7	52.0	47.8		56.7

Note: Construction Activity -1) General Traffic Movement near the site.

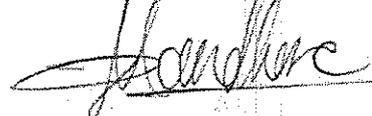
Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-651B)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLO/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-651B)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 15/12/2023 TO 16/12/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	50.4	79.6	60.9
07.00 to 08.00	51.7	100.3	61.9
08.00 to 09.00	56.0	86.3	65.2
09.00 to 10.00	57.6	86.3	66.8
10.00 to 11.00	58.9	87.3	67.7
11.00 to 12.00	58.5	84.8	67.6
12.00 to 13.00	62.0	96.3	71.2
13.00 to 14.00	56.6	82.6	66.8
14.00 to 15.00	57.5	85.5	66.2
15.00 to 16.00	57.5	112.6	66.5
16.00 to 17.00	58.5	87.2	67.1
17.00 to 18.00	56.0	87.5	66.7
18.00 to 19.00	55.7	90.7	67.3
19.00 to 20.00	58.9	90.1	67.8
20.00 to 21.00	59.0	83.1	67.2
21.00 to 22.00	58.6	88.0	66.7

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	58.8	86.9	66.5
23.00 to 00.00	59.0	95.3	66.0
00.00 to 01.00	56.3	82.4	64.1
01.00 to 02.00	53.9	81.8	61.2
02.00 to 03.00	53.0	79.1	58.8
03.00 to 04.00	52.1	75.7	57.1
04.00 to 05.00	49.8	80.3	56.8
05.00 to 06.00	50.9	79.5	57.8

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50.4	112.6	70.9	65.0	61.5	69.2	67.0
Night Time (22.00 Hrs to 06.00Hrs)	49.8	95.3	65.1	60.0	57.1		61.7

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



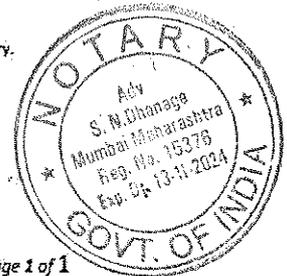
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER: M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-0797)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-0797)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 16/12/2023 TO 17/12/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	54.5	96.1	65.5
07.00 to 08.00	55.0	96.5	72.5
08.00 to 09.00	51.6	96.6	66.2
09.00 to 10.00	50.2	96.8	66.0
10.00 to 11.00	56.3	110.5	77.0
11.00 to 12.00	56.0	93.5	65.6
12.00 to 13.00	55.8	68.9	63.0
13.00 to 14.00	55.2	81.5	66.5
14.00 to 15.00	56.4	97.1	64.0
15.00 to 16.00	55.6	90.9	63.1
16.00 to 17.00	56.0	90.6	65.1
17.00 to 18.00	57.1	93.3	65.3
18.00 to 19.00	54.6	92.0	64.2
19.00 to 20.00	52.6	85.0	60.4
20.00 to 21.00	50.9	86.4	59.3
21.00 to 22.00	49.6	91.6	59.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	49.6	90.5	64.7
23.00 to 00.00	48.6	93.4	67.8
00.00 to 01.00	51.0	88.2	69.5
01.00 to 02.00	48.5	91.6	62.1
02.00 to 03.00	46.6	89.2	59.4
03.00 to 04.00	48.1	93.7	61.1
04.00 to 05.00	49.5	84.0	63.5
05.00 to 06.00	50.6	89.9	64.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	49.6	110.5	71.4	63.1	58.2	73.8	72.8
Night Time (22.00 Hrs to 06.00Hrs)	46.6	93.7	71.0	58.8	53.9		65.3

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

Gmat

Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY

[Signature]

Technical Manager
 Authorized Signatory

END OF REPORT

- This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing.
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- Any attempt of forgery or misleading use of this report by any person/organization etc will attract suitable legal action against them by SkyLab Analytical Laboratory.



SALAC24230907283

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-0939)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:
SAMPLE REGISTRATION NO. : ANC(23-24-0939)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 17/12/2023 TO 18/12/2023

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	45.0	88.2	56.6
07.00 to 08.00	48.4	92.6	64.5
08.00 to 09.00	49.5	92.6	66.2
09.00 to 10.00	49.5	92.6	65.4
10.00 to 11.00	53.9	101.3	75.9
11.00 to 12.00	61.5	93.5	73.0
12.00 to 13.00	65.4	84.1	72.9
13.00 to 14.00	56.3	100.6	65.1
14.00 to 15.00	55.0	96.6	64.7
15.00 to 16.00	52.5	84.1	65.1
16.00 to 17.00	58.7	88.6	68.1
17.00 to 18.00	57.3	101.7	67.3
18.00 to 19.00	59.3	89.8	67.4
19.00 to 20.00	56.1	87.7	68.1
20.00 to 21.00	55.9	100.5	71.9
21.00 to 22.00	52.8	92.6	62.8

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	52.3	82.1	62.3
23.00 to 00.00	49.7	81.3	60.3
00.00 to 01.00	48.4	93.7	58.1
01.00 to 02.00	46.4	77.5	54.8
02.00 to 03.00	48.2	71.1	54.1
03.00 to 04.00	47.2	72.5	49.4
04.00 to 05.00	41.3	78.9	49.2
05.00 to 06.00	42.9	75.5	47.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{0N}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	45.0	101.7	68.0	63.8	57.9	68.0	68.4
Night Time (22.00 Hrs to 06.00Hrs)	41.3	93.7	59.4	52.7	49.0		57.2

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



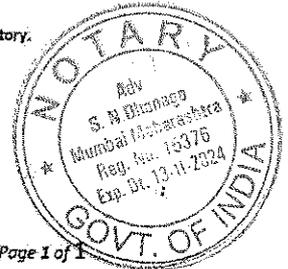
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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Page 1 of 1

SALAC24230907284

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-0948)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCC/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-0948)
 SAMPLING PLAN & METHOD NO. :IS 9989: 1981
 SAMPLING DATE : 18/12/2023 TO 19/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB
 SAMPLE LOCATION : Green Lawns School
 COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	56.6	91.7	65.7
07.00 to 08.00	58.3	83.0	69.7
08.00 to 09.00	57.2	90.7	72.1
09.00 to 10.00	59.0	93.1	70.1
10.00 to 11.00	67.0	91.4	72.3
11.00 to 12.00	63.2	90.7	71.1
12.00 to 13.00	56.5	111.0	66.5
13.00 to 14.00	57.4	110.9	70.1
14.00 to 15.00	56.9	87.2	68.0
15.00 to 16.00	59.4	97.1	70.6
16.00 to 17.00	60.0	106.6	63.7
17.00 to 18.00	62.8	91.2	64.0
18.00 to 19.00	61.7	98.7	72.3
19.00 to 20.00	62.2	91.4	71.7
20.00 to 21.00	60.1	99.7	70.6
21.00 to 22.00	56.7	85.7	67.1

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.0	85.5	56.2
23.00 to 00.00	62.5	84.2	56.6
00.00 to 01.00	64.3	80.3	56.5
01.00 to 02.00	61.8	88.4	56.7
02.00 to 03.00	65.9	85.6	56.4
03.00 to 04.00	67.2	81.8	56.5
04.00 to 05.00	65.0	82.9	56.4
05.00 to 06.00	64.2	86.4	56.5

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	56.5	111.0	73.9	67.3	63.8	72.9	71.9
Night Time (22.00 Hrs to 06.00Hrs)	50.0	88.4	67.5	61.2	53.3		64.5

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst

For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-1281)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : ANC(23-24-1281)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 19/12/2023 TO 20/12/2023

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	59.9	90.9	62.9
07.00 to 08.00	59.8	88.3	62.6
08.00 to 09.00	58.5	89.4	62.5
09.00 to 10.00	57.7	85.6	63.5
10.00 to 11.00	57.3	81.5	62.7
11.00 to 12.00	55.9	99.2	65.4
12.00 to 13.00	56.5	91.5	63.3
13.00 to 14.00	56.2	93.6	65.4
14.00 to 15.00	55.8	102.2	61.9
15.00 to 16.00	56.2	99.1	75.0
16.00 to 17.00	58.6	94.8	64.9
17.00 to 18.00	62.1	89.1	67.7
18.00 to 19.00	61.8	86.9	67.4
19.00 to 20.00	61.7	88.3	66.1
20.00 to 21.00	60.1	91.2	64.2
21.00 to 22.00	60.7	80.9	64.8

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.0	92.9	62.6
23.00 to 00.00	51.2	94.5	57.6
00.00 to 01.00	52.8	93.9	58.9
01.00 to 02.00	50.9	90.4	58.4
02.00 to 03.00	52.6	88.5	57.1
03.00 to 04.00	53.7	87.6	58.3
04.00 to 05.00	53.4	91.3	53.4
05.00 to 06.00	52.9	94.0	63.9

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	55.8	102.2	69.1	63.6	60.9	68.0	66.8
Night Time (22.00 Hrs to 06.00Hrs)	50.0	94.5	64.5	56.1	51.9		59.8

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

Gmsh

Sr. Analyst



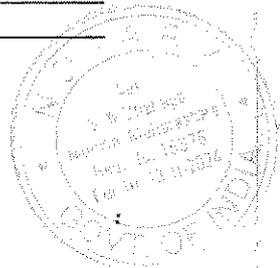
For SKYLAB ANALYTICAL LABORATORY

[Signature]

Technical Manager
 Authorized Signatory

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:
 M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-1351)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLO/19-20/HCC/255
REF DATE : 12.12.2019

SAMPLE TYPE: AMBIENT NOISE LEVEL MONITORING

SAMPLE REGISTRATION NO. : ANC(23-24-1351)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 20/12/2023 TO 21/12/2023

SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
06.00 to 07.00	67.6	77.0	69.9
07.00 to 08.00	66.0	80.5	69.3
08.00 to 09.00	65.6	90.2	68.1
09.00 to 10.00	68.1	97.5	72.9
10.00 to 11.00	64.5	94.9	69.3
11.00 to 12.00	62.7	102.5	67.3
12.00 to 13.00	62.6	84.6	68.9
13.00 to 14.00	55.2	81.5	68.8
14.00 to 15.00	64.7	99.8	69.5
15.00 to 16.00	64.8	83.1	67.0
16.00 to 17.00	63.1	84.4	68.7
17.00 to 18.00	63.1	76.1	65.8
18.00 to 19.00	64.8	84.8	66.9
19.00 to 20.00	65.5	93.9	67.8
20.00 to 21.00	65.3	78.7	69.0
21.00 to 22.00	66.6	90.6	71.8

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	50.0	90.1	59.0
23.00 to 00.00	50.8	88.6	59.0
00.00 to 01.00	51.3	87.1	59.1
01.00 to 02.00	52.2	85.5	59.1
02.00 to 03.00	51.9	90.2	55.7
03.00 to 04.00	53.2	89.8	58.7
04.00 to 05.00	52.7	87.3	56.5
05.00 to 06.00	53.6	86.4	57.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	55.2	102.5	72.2	67.9	65.6	68.9	69.2
Night Time (22.00 Hrs to 06.00Hrs)	50.0	90.1	60.0	57.5	53.7		58.4

Note: Construction Activity -1] General Traffic Movement near the site.

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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SALAC24230907289

202, CFC-3, Asmeeta Texpa, Addi. Kalyan-Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi, Dist. Thane, Maharashtra, INDIA. Pincode-421311.

Mob. : 9867577309-312 / 8422929165. Email : mails@skylabenviro.com, Website : www.skylabenviro.com

SKYLAB is always subject to improvement. For better customer satisfaction, we welcome your feedback on : feedback@skylabenviro.com

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
M/s.HCC-HDC Joint Venture
Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
Road, Worli - Mumbai 400 018, India

REPORT NO : SAL/MSP19/FM05/12/ANC(23-24-1353)
REPORT DATE : 28/12/2023
CUSTOMER REF : SLQ/19-20/HCCH/255
REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : ANC(23-24-1353)
SAMPLING PLAN & METHOD NO. : IS 9989: 1981
SAMPLING DATE : 21/12/2023 TO 22/12/2023

AMBIENT NOISE LEVEL MONITORING
SAMPLE COLLECTED BY : SKYLAB
SAMPLE LOCATION : Green Lawns School
COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	58.5	93.6	69.3
07.00 to 08.00	54.0	109.8	73.9
08.00 to 09.00	54.5	94.9	65.5
09.00 to 10.00	57.6	112.6	74.7
10.00 to 11.00	60.7	105.5	71.9
11.00 to 12.00	62.8	91.2	68.8
12.00 to 13.00	59.3	68.9	71.5
13.00 to 14.00	60.4	81.5	71.4
14.00 to 15.00	60.0	96.9	70.5
15.00 to 16.00	57.8	93.3	70.5
16.00 to 17.00	55.7	95.0	67.8
17.00 to 18.00	55.9	90.7	67.0
18.00 to 19.00	54.2	97.1	68.5
19.00 to 20.00	66.2	99.2	69.2
20.00 to 21.00	66.1	89.5	68.2
21.00 to 22.00	66.6	94.6	68.3

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	56.5	86.9	68.4
23.00 to 00.00	56.8	89.1	68.8
00.00 to 01.00	56.7	84.4	68.2
01.00 to 02.00	56.0	81.1	68.2
02.00 to 03.00	57.2	84.9	68.3
03.00 to 04.00	57.8	77.4	69.6
04.00 to 05.00	50.0	78.1	62.8
05.00 to 06.00	50.4	93.9	65.7

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	L _{DN}	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	54.0	112.6	72.0	65.8	61.3	71.5	70.4
Night Time (22.00 Hrs to 06.00Hrs)	50.4	93.9	65.1	59.3	55.1		63.2

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by

Gmali

Sr. Analyst



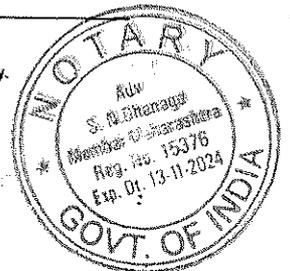
For SKYLAB ANALYTICAL LABORATORY

J. Achare

Technical Manager
Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s.HCC-HDC Joint Venture
 Worli Sea Face, Opp. Worli Dairy, Khan Abdul Gaffar Khan
 Road, Worli - Mumbai 400 018, India

REPORT NO :SAL/MSP19/FM05/12/ANC(23-24-1355)

REPORT DATE : 28/12/2023

CUSTOMER REF : SLQ/19-20/HCCH/255

REF DATE : 12.12.2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. :ANC(23-24-1355)

SAMPLING PLAN & METHOD NO. :IS 9989: 1981

SAMPLING DATE : 22/12/2023 TO 23/12/2023

AMBIENT NOISE LEVEL MONITORING

SAMPLE COLLECTED BY : SKYLAB

SAMPLE LOCATION : Green Lawns School

COORDINATES : 19° 0' 47.0664" N, 72° 49' 1.506" E

Day Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min	Max.	
06.00 to 07.00	55.5	74.8	62.9
07.00 to 08.00	52.1	86.1	69.5
08.00 to 09.00	52.7	85.1	63.3
09.00 to 10.00	54.2	80.1	66.6
10.00 to 11.00	54.2	82.1	66.6
11.00 to 12.00	65.2	84.5	69.0
12.00 to 13.00	50.0	81.5	64.9
13.00 to 14.00	50.1	80.6	61.7
14.00 to 15.00	50.0	101.4	75.7
15.00 to 16.00	50.5	94.6	61.6
16.00 to 17.00	50.0	93.0	60.9
17.00 to 18.00	50.9	88.8	62.8
18.00 to 19.00	51.2	89.6	60.1
19.00 to 20.00	50.7	99.5	63.0
20.00 to 21.00	50.7	93.2	68.0
21.00 to 22.00	57.2	81.6	60.9

Night Time (Hrs.)	Noise Level dB(A)		Hourly Leq
	Min.	Max.	
22.00 to 23.00	48.9	83.4	62.3
23.00 to 00.00	50.2	93.8	68.9
00.00 to 01.00	55.5	90.4	62.9
01.00 to 02.00	52.1	90.5	69.5
02.00 to 03.00	52.7	92.7	69.8
03.00 to 04.00	55.0	93.0	60.6
04.00 to 05.00	54.2	93.6	60.9
05.00 to 06.00	51.9	93.9	63.1

Category Zone	Limits in dB(A) Leq	
	Day Time	Night Time
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

Noise Level Monitoring Report Summary

Time	Min.	Max.	L10	L50	L90	Low	LEQ dB(A)
Day Time (06.00 Hrs to 22.00 Hrs)	50.0	109.4	72.1	67.4	61.1	69.2	67.9
Night Time (22.00 Hrs to 06.00Hrs)	48.9	93.9	66.8	63.6	58.7		61.0

Note: Construction Activity -1) General Traffic Movement near the site.

Verified by



Sr. Analyst



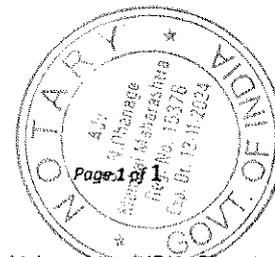
For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

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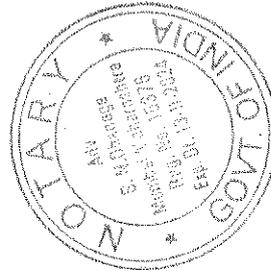
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BEFORE THE NATIONAL GREEN
TRIBUNAL
WESTERN ZONAL BENCH AT PUNE
I.A. NO. 44 OF 2022
IN
APPEAL NO. 76 OF 2017

Dileep Nevatia ...Applicant
Versus
Union of India & Ors. ...Respondents

AFFIDAVIT IN REPLY ON BEHALF OF
RESPONDENT NO. 8

DATED THIS ___ DAY OF FEBRUARY 2024



M/S. AVP PARTNERS
ADVOCATES FOR RESPONDENT NO. 8
301, 3RD FLOOR, JEHANGIR BUILDING,
133 MG ROAD, FORT - 400001