

BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE BENCH AT CHENNAI

(Memorandum under Section 18(1) read with Section 14, 15, of the NGT Act,
2010)

Original Application No. 175 of 2024 (SZ)

Mr. Lalit Kumar R.Shah,
No.2C, AdetiKunj Apartment,
Old No.29, New No.20, Balfour Road,
Chennai 600 010.

... Applicant

:Vs:

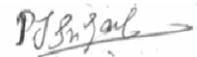
Chennai Metro Rail Ltd., (CMRL)
represented by its Managing Director,
No.327, Anna Salai, Nandanam,
Chennai 600 035 & 4 Ors.

... Respondents

INDEX TO TYPED SET OF DOCUMENTS

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2.		Test report issued by Pollucare on noise monitoring air (filed collectively)	29
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The above stated documents are true copies of the original.
Dated at Chennai on this the 31st day of July 2024.



Counsel for 2nd Respondent

Accredited by NABL & NABET, Certified ISO 9001:2015 ISO 14001:2015 & ISO 4001: 2018

Report No	: PCEI/TR-AAQ-4443	Report Date	: 28.05.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-914-05-24
Sampled by	: Laboratory	Sample Received On	: 27.05.2024
Sample Collected Date	: 25.05.2024	Test Commenced On	: 27.05.2024
Sample Description	: Ambient Air	Test Completed On	: 28.05.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 32.8°C
Relative Humidity	: 55%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: SE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	13.2	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	25.5	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	61.6	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	31.0	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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TEST REPORT

POLLUCARE ENGINEERS INDIA PVT.LTD.,
(Laboratory Services Division)

HIG - 6152, TNHB Phase I & II,
Kamarajar Road, Ayapakkam,
Chennai - 600 077.
Ph : +91 44 2682 3190 / +91 73977 96831
Email: lab@pollucareindia.com
Web : www.pollucareindia.com

Accredited by NABL & NABET, Certified ISO 9001:2015 ISO 14001:2015 & ISO 4001: 2018

Report No	: PCEI/TR-AAQ-4023	Report Date	: 21.05.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-497-05-24
Sampled by	: Laboratory	Sample Received On	: 20.05.2024
Sample Collected Date	: 18.05.2024	Test Commenced On	: 20.05.2024
Sample Description	: Ambient Air	Test Completed On	: 21.05.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

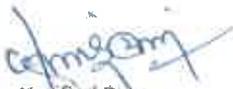
Weather Condition

Ambient Temperature	: 32.8°C
Relative Humidity	: 60%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: ESE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	15.4	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	23.8	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	60.9	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	29.7	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-3813	Report Date	: 14.05.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-290-05-24
Sampled by	: Laboratory	Sample Received On	: 13.05.2024
Sample Collected Date	: 11.05.2024	Test Commenced On	: 13.05.2024
Sample Description	: Ambient Air	Test Completed On	: 14.05.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33.7°C
Relative Humidity	: 60%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: ESE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	15.6	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	22.4	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	60.2	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	28.3	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Delection Limit ; DL - Delection Limit

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Report No	: PCEI/TR-AAQ-3584	Report Date	: 07.05.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-074-05-24
Sampled by	: Laboratory	Sample Received On	: 05.05.2024
Sample Collected Date	: 04.05.2024	Test Commenced On	: 05.05.2024
Sample Description	: Ambient Air	Test Completed On	: 07.05.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33.5°C
Relative Humidity	: 60%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: ESE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	16.7	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	23.6	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	60.4	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	29.4	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-3176	Report Date	: 30.04.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-709-04-24
Sampled by	: Laboratory	Sample Received On	: 28.04.2024
Sample Collected Date	: 27.04.2024	Test Commenced On	: 28.04.2024
Sample Description	: Ambient Air	Test Completed On	: 30.04.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition	
Ambient Temperature	: 34.3°C
Relative Humidity	: 55%
Climate Condition	: Scattered Clouds
Predominant Wind Direction	: SE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	13.5	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	21.8	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	58.8	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	26.4	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Accredited by NABL & NABET, Certified ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018

Report No	: PCEI/TR-AAQ-3008	Report Date	: 23.04.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-562-04-24
Sampled by	: Laboratory	Sample Received On	: 21.04.2024
Sample Collected Date	: 20.04.2024	Test Commenced On	: 22.04.2024
Sample Description	: Ambient Air	Test Completed On	: 23.04.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33.7°C
Relative Humidity	: 54%
Climate Condition	: Scattered Clouds
Predominant Wind Direction	: SE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.3	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	22.4	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	61.3	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	27.5	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009

ii) TWA - Time Weighted Average

iii) ** - TWA for 1 Hour iv) * - TWA for Annual

BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-2724	Report Date	: 16.04.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-290-04-24
Sampled by	: Laboratory	Sample Received On	: 14.04.2024
Sample Collected Date	: 13.04.2024	Test Commenced On	: 15.04.2024
Sample Description	: Ambient Air	Test Completed On	: 16.04.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33.7°C
Relative Humidity	: 54%
Climate Condition	: Scattered Clouds
Predominant Wind Direction	: SE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.6	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	22.3	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	62.8	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	28.6	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
 ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
 BDL - Below Detection Limit ; DL - Detection Limit

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Web : www.pollucareindia.com

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Report No	: PCEI/TR-AAQ-2426	Report Date	: 02.04.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-1394-03-24
Sampled by	: Laboratory	Sample Received On	: 31.03.2024
Sample Collected Date	: 30.03.2024	Test Commenced On	: 01.04.2024
Sample Description	: Ambient Air	Test Completed On	: 02.04.2024
Qty of Sample Received	: Filler Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33.9°C
Relative Humidity	: 54%
Climate Condition	: Scattered Clouds
Predominant Wind Direction	: W

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	16.1	80
2	Oxides of Nitrogen (as NO _x)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	24.6	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	62.4	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	31.2	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) * - TWA for 1 Hour iv) ** - TWA for Annual
BDL - Below Detection Limit DL - Detection Limit

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Report No	: PCEI/TR-AAQ-2124	Report Date	: 26.03.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No.197, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-1091-03-24
Sampled by	: Laboratory	Sample Received On	: 24.03.2024
Sample Collected Date	: 23.03.2024	Test Commenced On	: 24.03.2024
Sample Description	: Ambient Air	Test Completed On	: 26.03.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kelfys		

Weather Condition	
Ambient Temperature	: 13.6 °C
Relative Humidity	: 56%
Climate Condition	: Scattered Clouds
Prevalent Wind Direction	: SSE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.2	80
2	Oxide of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	22.5	100
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	60.2	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	29.6	60
5	Ozone (as O ₃)	µg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: (i) NAAQS - National Ambient Air Quality Standards issued by CPCB (Central Pollution Control Board) in 2009
 (ii) TWA - Time Weighted Average (iii) 1WA for 1 Hour (iv) * - TWA for Annual
 (v) BDL - Below Detection Limit (vi) Ozone (vii) -

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Report No	: PCEI/TR-AAQ-1801	Report Date	: 19.03.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-527-03-24
Sampled by	: Laboratory	Sample Received On	: 17.03.2024
Sample Collected Date	: 16.03.2024	Test Commenced On	: 17.03.2024
Sample Description	: Ambient Air	Test Completed On	: 19.03.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: FR for Analysis		
Sampling Location	: Keliys		

Weather Condition

Ambient Temperature	: 31.1°C
Relative Humidity	: 54%
Climate Condition	: Partly Clouds
Predominant Wind Direction	: WSE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.7	80
2	Oxides of Nitrogen (as NO _x)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	23.2	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	61.6	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	30.8	60
5	Carbon Monoxide gas (CO)	µg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - Indian Ambient Air Quality Standards. Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average. iii) TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Reporting Limit. DL - Detection Limit

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TEST REPORT

Accredited by **NABL & NABET**, Certified ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018

Report No	: PCEI/TR-AAQ-1561	Report Date	: 12.03.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No 497, 200 Feet Ring Rd, VS Mani Nagar, Kadavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-285-03-24
Sampled by	: Laboratory	Sample Received On	: 10.03.2024
Sample Collected Date	: 09.03.2024	Test Commenced On	: 11.03.2024
Sample Description	: Ambient Air	Test Completed On	: 12.03.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

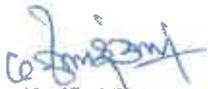
Weather Condition

Ambient Temperature	: 33.5°C
Relative Humidity	: 52%
Climate Condition	: Scattered Clouds
Predominant Wind Direction	: SE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.2	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 5) 2006 (RA 2017)	22.6	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	64.3	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	32.1	60
5	Carbon Monoxide (as CO)	µg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average (i) TWA for 1 Hour (ii) TWA for Annual
iii) BDL - Below Detection Limit ; DL - Detection Limit

..... End of Report
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TEST REPORT

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Report No	: PCEI/TR-AAQ-2254	Report Date	: 05.03.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No.197, 200 Feet Ring Rd, VS Mani Nagar, Marthavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-050-03-24
Sampled by	: Laboratory	Sample Received On	: 03.03.2024
Sample Collected Date	: 02.03.2024	Test Commenced On	: 04.03.2024
Sample Description	: Ambient Air	Test Completed On	: 05.03.2024
Qty of Sample Received	: Filter paper 8 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Ketyls		

Weather Condition

Ambient Temperature	: 33.6°C
Relative Humidity	: 58%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: ESE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	15.9	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	24.4	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	62.2	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	31.8	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009

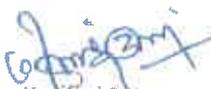
ii) TWA - Time Weighted Average

iii) ** - TWA for 1 Hour iv) + - TWA for Annual

BDL - Below Detection Limit DL - Detection Limit

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Report No	: PCEI/TR-AAQ-2057	Report Date	: 27.02.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-839-02-24
Sampled by	: Laboratory	Sample Received On	: 25.02.2024
Sample Collected Date	: 24.02.2024	Test Commenced On	: 26.02.2024
Sample Description	: Ambient Air	Test Completed On	: 27.02.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33.1°C
Relative Humidity	: 56%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: SSE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.7	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	23.3	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	63.4	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	30.2	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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TEST REPORT

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Report No	: PCEI/TR-AAQ-1741	Report Date	: 20.02.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-519-02-24
Sampled by	: Laboratory	Sample Received On	: 18.02.2024
Sample Collected Date	: 17.02.2024	Test Commenced On	: 19.02.2024
Sample Description	: Ambient Air	Test Completed On	: 20.02.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33.2°C
Relative Humidity	: 57%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: NE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.7	80
2	Oxides of Nitrogen (as NO _x)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	22.2	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	65.8	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	32.6	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-1584	Report Date	: 13.02.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-362-02-24
Sampled by	: Laboratory	Sample Received On	: 11.02.2024
Sample Collected Date	: 10.02.2024	Test Commenced On	: 12.02.2024
Sample Description	: Ambient Air	Test Completed On	: 13.02.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33.4°C
Relative Humidity	: 55%
Climate Condition	: Clear Sky
Predominant Wind Direction	: ENE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	13.6	80
2	Nitrogen dioxide (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	23.8	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	64.5	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	32.2	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-1305	Report Date	: 06.02.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-082-02-24
Sampled by	: Laboratory	Sample Received On	: 04.02.2024
Sample Collected Date	: 03.02.2024	Test Commenced On	: 05.02.2024
Sample Description	: Ambient Air	Test Completed On	: 06.02.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 31.5°C
Relative Humidity	: 61%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: ESE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.3	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	24.5	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	63.7	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	31.5	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-934	Report Date	: 30.01.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-934-01-24
Sampled by	: Laboratory	Sample Received On	: 28.01.2024
Sample Collected Date	: 27.01.2024	Test Commenced On	: 29.01.2024
Sample Description	: Ambient Air	Test Completed On	: 30.01.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition	
Ambient Temperature	: 32.2°C
Relative Humidity	: 56%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: ENE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	13.4	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	22.1	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	61.5	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	29.7	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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(Laboratory Services Division)

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Email: lab@pollucareindia.com
Web : www.pollucareindia.com

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Report No	: PCEI/TR-AAQ-525	Report Date	: 23.01.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-525-01-24
Sampled by	: Laboratory	Sample Received On	: 21.01.2024
Sample Collected Date	: 20.01.2024	Test Commenced On	: 22.01.2024
Sample Description	: Ambient Air	Test Completed On	: 23.01.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 32.4°C
Relative Humidity	: 56%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: E

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	15.5	80
2	Oxides of Nitrogen (as NO _x)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	21.9	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	62.2	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	29.8	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-423	Report Date	: 18.01.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-423-01-24
Sampled by	: Laboratory	Sample Received On	: 14.01.2024
Sample Collected Date	: 13.01.2024	Test Commenced On	: 17.01.2024
Sample Description	: Ambient Air	Test Completed On	: 18.01.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33°C
Relative Humidity	: 56%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: WSW

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.4	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	22.8	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	64.3	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	30.9	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit : DL - Detection Limit

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Report No	: PCEI/TR-AAQ-147	Report Date	: 09.01.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-147-01-24
Sampled by	: Laboratory	Sample Received On	: 07.01.2024
Sample Collected Date	: 06.01.2024	Test Commenced On	: 08.01.2024
Sample Description	: Ambient Air	Test Completed On	: 09.01.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

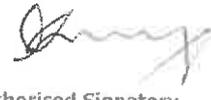
Ambient Temperature	: 31.3°C
Relative Humidity	: 56%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: NE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	12.2	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	23.6	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	65.1	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	32.4	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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TEST REPORT

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Report No	: PCEI/TR-W-20005	Report Date	: 02.01.2024
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-765-12-23
Sampled by	: Laboratory	Sample Received On	: 31.12.2023
Sample Collected Date	: 23.12.2023	Test Commenced On	: 01.01.2024
Sample Description	: Ambient Air	Test Completed On	: 02.01.2024
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33.2°C
Relative Humidity	: 56%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: NE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	18.3	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	22.8	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	63.4	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	31.7	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-119700	Report Date	: 27.12.2023
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-560-12-23
Sampled by	: Laboratory	Sample Received On	: 24.12.2023
Sample Collected Date	: 23.12.2023	Test Commenced On	: 26.12.2023
Sample Description	: Ambient Air	Test Completed On	: 27.12.2023
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 31°C
Relative Humidity	: 64%
Climate Condition	: Scattered clouds
Predominant Wind Direction	: WNW

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	15.5	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	27.9	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	66.2	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	35.5	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-11572	Report Date	: 16.12.2023
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-144-12-23
Sampled by	: Laboratory	Sample Received On	: 14.12.2023
Sample Collected Date	: 13.12.2023	Test Commenced On	: 14.12.2023
Sample Description	: Ambient Air	Test Completed On	: 16.12.2023
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 32°C
Relative Humidity	: 61%
Climate Condition	: Passing Clouds
Predominant Wind Direction	: WSW

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	16.1	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	32.4	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	38.8	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	34.0	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
 ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
 BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-10920	Report Date	: 21.11.2023
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-409-11-23
Sampled by	: Laboratory	Sample Received On	: 19.11.2023
Sample Collected Date	: 18.11.2023	Test Commenced On	: 19.11.2023
Sample Description	: Ambient Air	Test Completed On	: 21.11.2023
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 31.7°C
Relative Humidity	: 65%
Climate Condition	: Scattered Clouds
Predominant Wind Direction	: NNE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	16.5	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	29.9	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	67.4	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	32.3	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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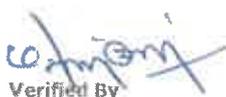
Report No	: PCEI/TR-AAQ-10336	Report Date	: 01.11.2023
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-792-10-23
Sampled by	: Laboratory	Sample Received On	: 31.10.2023
Sample Collected Date	: 30.10.2023	Test Commenced On	: 31.10.2023
Sample Description	: Ambient Air	Test Completed On	: 01.11.2023
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition	
Ambient Temperature	: 32°C
Relative Humidity	: 56%
Climate Condition	: Scattered Clouds
Predominant Wind Direction	: N

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	15.8	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	28.7	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	64.6	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	35.8	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-9884	Report Date	: 24.10.2023
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-342-10-23
Sampled by	: Laboratory	Sample Received On	: 18.10.2023
Sample Collected Date	: 17.10.2023	Test Commenced On	: 18.10.2023
Sample Description	: Ambient Air	Test Completed On	: 24.10.2023
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33°C
Relative Humidity	: 65%
Climate Condition	: Scattered Clouds
Predominant Wind Direction	: NE

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	15.2	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	27.5	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	61.9	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	34.3	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-9662	Report Date	: 14.10.2023
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-120-10-23
Sampled by	: Laboratory	Sample Received On	: 10.10.2023
Sample Collected Date	: 09.10.2023	Test Commenced On	: 10.10.2023
Sample Description	: Ambient Air	Test Completed On	: 14.10.2023
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys		

Weather Condition

Ambient Temperature	: 33°C
Relative Humidity	: 65%
Climate Condition	: Scattered Clouds
Predominant Wind Direction	: W

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	14.3	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	32.9	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	67.5	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	37.4	60
5	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit ; DL - Detection Limit

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Report No	: PCEI/TR-AAQ-8612	Report Date	: 06.09.2023
Discipline	: Chemical	Group	: Atmospheric Pollution
Issued to	: M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.		
Sampling Method	: IS 5182 (Part 23) 2006	Sample Reference No	: PCEI/AAQ-1585-08-23
Sampled by	: Laboratory	Sample Received On	: 30.08.2023
Sample Collected Date	: 29.08.2023	Test Commenced On	: 30.08.2023
Sample Description	: Ambient Air	Test Completed On	: 06.09.2023
Qty of Sample Received	: Filter Paper & 30ml		
Sample Condition	: Fit for Analysis		
Sampling Location	: Kellys (Base Line)		

Weather Condition

Ambient Temperature	: 34°C
Relative Humidity	: 55%
Climate Condition	: Sunny
Predominant Wind Direction	: SSW

S.No	Parameters	Units	Test Method	Results	NAAQ Standards for Industrial, Residential, Rural and Other Area
1	Sulphur dioxide (as SO ₂)	µg/m ³	IS 5182 (Part 2) 2001 (RA 2017)	13.7	80
2	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS 5182 (Part 6) 2006 (RA 2017)	31.5	80
3	Respirable Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part 23) 2006 (RA 2017)	64.2	100
4	Respirable Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part 24) 2019	35.8	60
5	Ozone (as O ₃)	µg/m ³	IS 5182 (Part 9) 1974 (RA 2019)	12.0	180**
6	Lead (as Pb)	µg/m ³	IS 5182 (Part 22) 2004 (RA 2019)	BDL(DL:0.05)	1
7	Carbon Monoxide (as CO)	mg/m ³	IS 5182 (Part 10) 1999 (RA 2019)	BDL(DL:1.14)	4**
8	Ammonia (as NH ₃)	µg/m ³	IS 5182 (Part 25) 2018	6.33	400
9	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 (RA 2017)	BDL(DL:1.0)	5*
10	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) 2004 (RA 2019)	BDL(DL:1.0)	1*
11	Arsenic (as As)	ng/m ³	PCEI/SOP/AAQ/002	BDL(DL:2.0)	6*
12	Nickel (as Ni)	ng/m ³	PCEI/SOP/AAQ/002	BDL(DL:10)	20*

Note: i) NAAQS - National Ambient Air Quality Standards Issued by CPCB (Central Pollution Control Board) in 2009
ii) TWA - Time Weighted Average iii) ** - TWA for 1 Hour iv) * - TWA for Annual
BDL - Below Detection Limit : DL - Detection Limit

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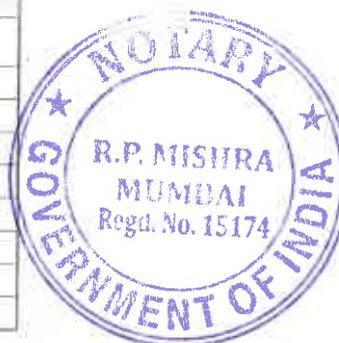
Report No	PCEI/TR-N-4497
Report Date	28.05.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-918-05-24
Sampled by	Laboratory	Sampling Date	25.05.2024 to 26.05.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	27.05.2024
Group	Atmospheric Pollution	Test Commenced On	27.05.2024
Discipline	Chemical	Test Completed On	28.05.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/54	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
25.05.2024	06:00 - 07:00	71.1
25.05.2024	07:00 - 08:00	72.4
25.05.2024	08:00 - 09:00	69.5
25.05.2024	09:00 - 10:00	68.5
25.05.2024	10:00 - 11:00	72.4
25.05.2024	11:00 - 12:00	71.6
25.05.2024	12:00 - 13:00	69.8
25.05.2024	13:00 - 14:00	61.8
25.05.2024	14:00 - 15:00	69.5
25.05.2024	15:00 - 16:00	72.4
25.05.2024	16:00 - 17:00	70.6
25.05.2024	17:00 - 18:00	71.4
25.05.2024	18:00 - 19:00	73.8
25.05.2024	19:00 - 20:00	69.1
25.05.2024	20:00 - 21:00	65.4
25.05.2024	21:00 - 22:00	65.3

Night Time		
Date	Time	Readings dB(A)
25.05.2024	22:00 - 23:00	61.2
25.05.2024	23:00 - 00:00	64.3
26.05.2024	00:00 - 01:00	61.8
26.05.2024	01:00 - 02:00	60.5
26.05.2024	02:00 - 03:00	59.4
26.05.2024	03:00 - 04:00	58.2
26.05.2024	04:00 - 05:00	57.3
26.05.2024	05:00 - 06:00	55.1



Time	Min	Max	Leq	Limit
Day	61.8	73.8	70.5	65 dB(A)
Night	55.1	64.3	60.5	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.
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Report No	PCEI/TR-N-4027
Report Date	21.05.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-501-05-24
Sampled by	Laboratory	Sampling Date	18.05.2024 to 19.05.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	20.05.2024
Group	Atmospheric Pollution	Test Commenced On	20.05.2024
Discipline	Chemical	Test Completed On	21.05.2024

REFERENCE EQUIPMENT DETAILS

Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/54	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
18.05.2024	06:00 - 07:00	66.3
18.05.2024	07:00 - 08:00	65.4
18.05.2024	08:00 - 09:00	66.8
18.05.2024	09:00 - 10:00	67.5
18.05.2024	10:00 - 11:00	71.3
18.05.2024	11:00 - 12:00	65.5
18.05.2024	12:00 - 13:00	64.8
18.05.2024	13:00 - 14:00	68.3
18.05.2024	14:00 - 15:00	66.2
18.05.2024	15:00 - 16:00	66.7
18.05.2024	16:00 - 17:00	65.4
18.05.2024	17:00 - 18:00	67.5
18.05.2024	18:00 - 19:00	68.2
18.05.2024	19:00 - 20:00	65.9
18.05.2024	20:00 - 21:00	66.4
18.05.2024	21:00 - 22:00	65.8

Night Time		
Date	Time	Readings dB(A)
18.05.2024	22:00 - 23:00	57.6
18.05.2024	23:00 - 00:00	56.9
19.05.2024	00:00 - 01:00	58.4
19.05.2024	01:00 - 02:00	59.5
19.05.2024	02:00 - 03:00	57.6
19.05.2024	03:00 - 04:00	55.4
19.05.2024	04:00 - 05:00	56.3
19.05.2024	05:00 - 06:00	55.7



Time	Min	Max	Leq	Limit
Day	64.8	71.3	67.1	65 dB(A)
Night	55.4	59.5	57.4	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd,
	VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-3817
Report Date	14.05.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-294-05-24
Sampled by	Laboratory	Sampling Date	11.05.2024 to 12.05.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	13.05.2024
Group	Atmospheric Pollution	Test Commenced On	13.05.2024
Discipline	Chemical	Test Completed On	14.05.2024

REFERENCE EQUIPMENT DETAILS

Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Hemson/HDB22011	PCEI/EQ/99	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
06.04.2024	06:00 - 07:00	65.7
06.04.2024	07:00 - 08:00	64.5
06.04.2024	08:00 - 09:00	67.9
06.04.2024	09:00 - 10:00	68.3
06.04.2024	10:00 - 11:00	70.2
06.04.2024	11:00 - 12:00	66.7
06.04.2024	12:00 - 13:00	67.5
06.04.2024	13:00 - 14:00	71.3
06.04.2024	14:00 - 15:00	65.7
06.04.2024	15:00 - 16:00	64.8
06.04.2024	16:00 - 17:00	65.3
06.04.2024	17:00 - 18:00	67.8
06.04.2024	18:00 - 19:00	68.3
06.04.2024	19:00 - 20:00	66.4
06.04.2024	20:00 - 21:00	64.9
06.04.2024	21:00 - 22:00	64.8

Night Time		
Date	Time	Readings dB(A)
06.04.2024	22:00 - 23:00	58.6
06.04.2024	23:00 - 00:00	56.4
07.04.2024	00:00 - 01:00	58.2
07.04.2024	01:00 - 02:00	59.6
07.04.2024	02:00 - 03:00	56.4
07.04.2024	03:00 - 04:00	57.2
07.04.2024	04:00 - 05:00	55.8
07.04.2024	05:00 - 06:00	56.7



Time	Min	Max	Leq	Limit
Day	64.5	71.3	67.4	65 dB(A)
Night	55.8	59.6	57.5	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-3588
Report Date	07.05.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9889 - 1981 (RA 2008)	Sample Reference No	PCEI/N-078-05-24
Sampled by	Laboratory	Sampling Date	04.05.2024 to 05.05.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	05.05.2024
Group	Atmospheric Pollution	Test Commenced On	05.05.2024
Discipline	Chemical	Test Completed On	07.05.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SL-4023SD	PCEI/EQ/08	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
06.04.2024	06:00 - 07:00	66.2
06.04.2024	07:00 - 08:00	63.2
05.04.2024	08:00 - 09:00	68.4
06.04.2024	09:00 - 10:00	71.2
06.04.2024	10:00 - 11:00	68.4
06.04.2024	11:00 - 12:00	65.8
06.04.2024	12:00 - 13:00	67.4
06.04.2024	13:00 - 14:00	70.6
06.04.2024	14:00 - 15:00	66.4
06.04.2024	15:00 - 16:00	66.8
06.04.2024	16:00 - 17:00	68.8
06.04.2024	17:00 - 18:00	67.4
06.04.2024	18:00 - 19:00	65.2
06.04.2024	19:00 - 20:00	65.4
06.04.2024	20:00 - 21:00	63.2
06.04.2024	21:00 - 22:00	61.4

Night Time		
Date	Time	Readings dB(A)
06.04.2024	22:00 - 23:00	58.9
06.04.2024	23:00 - 00:00	58.4
07.04.2024	00:00 - 01:00	58.7
07.04.2024	01:00 - 02:00	57.4
07.04.2024	02:00 - 03:00	55.6
07.04.2024	03:00 - 04:00	56.1
07.04.2024	04:00 - 05:00	56.4
07.04.2024	05:00 - 06:00	55.7



Time	Min	Max	Leq	Limit
Day	61.4	71.2	67.3	65 dB(A)
Night	55.6	58.9	57.3	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9889-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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TEST REPORT

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Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.
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Report No	PCEI/TR-N-3180
Report Date	30.04.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-71-04-24
Sampled by	Laboratory	Sampling Date	27.04.2024 to 28.04.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	28.04.2024
Group	Atmospheric Pollution	Test Commenced On	29.04.2024
Discipline	Chemical	Test Completed On	30.04.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Hemsun/HDB22011	PCEI/EQ/99	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
27.04.2024	06:00 - 07:00	66.8
27.04.2024	07:00 - 08:00	65.4
27.04.2024	08:00 - 09:00	65.9
27.04.2024	09:00 - 10:00	64.2
27.04.2024	10:00 - 11:00	66.3
27.04.2024	11:00 - 12:00	65.8
27.04.2024	12:00 - 13:00	67.1
27.04.2024	13:00 - 14:00	66.3
27.04.2024	14:00 - 15:00	67.2
27.04.2024	15:00 - 16:00	66.9
27.04.2024	16:00 - 17:00	64.7
27.04.2024	17:00 - 18:00	65.8
27.04.2024	18:00 - 19:00	63.5
27.04.2024	19:00 - 20:00	64.9
27.04.2024	20:00 - 21:00	65.9
27.04.2024	21:00 - 22:00	66.4

Night Time		
Date	Time	Readings dB(A)
27.04.2024	22:00 - 23:00	56.4
27.04.2024	23:00 - 00:00	56.3
28.04.2024	00:00 - 01:00	55.9
28.04.2024	01:00 - 02:00	54.7
28.04.2024	02:00 - 03:00	54.6
28.04.2024	03:00 - 04:00	53.2
28.04.2024	04:00 - 05:00	53.8
28.04.2024	05:00 - 06:00	55.7



Time	Min	Max	Leq	Limit
Day	63.5	67.2	65.9	65 dB(A)
Night	53.2	56.4	55.2	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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POLLUCARE ENGINEERS INDIA PVT.LTD.,
(Laboratory Services Division)

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd,
	VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

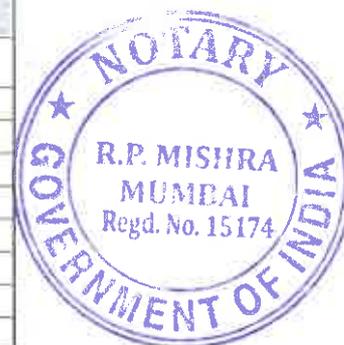
Report No	PCEI/TR-N-3012
Report Date	23.04.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9889 - 1981 (RA 2008)	Sample Reference No	PCEI/N-566-04-24
Sampled by	Laboratory	Sampling Date	20.04.2024 to 21.04.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	21.04.2024
Group	Atmospheric Pollution	Test Commenced On	22.04.2024
Discipline	Chemical	Test Completed On	23.4.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/54	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
20.04.2024	06:00 - 07:00	67.5
20.04.2024	07:00 - 08:00	65.6
20.04.2024	08:00 - 09:00	66.9
20.04.2024	09:00 - 10:00	63.1
20.04.2024	10:00 - 11:00	67.4
20.04.2024	11:00 - 12:00	66.8
20.04.2024	12:00 - 13:00	63.9
20.04.2024	13:00 - 14:00	67.2
20.04.2024	14:00 - 15:00	64.5
20.04.2024	15:00 - 16:00	66.5
20.04.2024	16:00 - 17:00	64.3
20.04.2024	17:00 - 18:00	65.3
20.04.2024	18:00 - 19:00	64.2
20.04.2024	19:00 - 20:00	63.8
20.04.2024	20:00 - 21:00	66.8
20.04.2024	21:00 - 22:00	62.3

Night Time		
Date	Time	Readings dB(A)
20.04.2024	22:00 - 23:00	56.3
20.04.2024	23:00 - 00:00	55.2
21.04.2024	00:00 - 01:00	54.8
21.04.2024	01:00 - 02:00	55.6
21.04.2024	02:00 - 03:00	53.4
21.04.2024	03:00 - 04:00	54.2
21.04.2024	04:00 - 05:00	53.6
21.04.2024	05:00 - 06:00	56.7



Time	Min	Max	Leq	Limit
Day	62.3	67.5	65.7	65 dB(A)
Night	53.4	56.7	55.1	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9889-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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TEST REPORT

Accredited by NABL & NABET, Certified ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018

Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd, VS Mari Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.
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Report No	PCEI/TR-N-2728
Report Date	16.04.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-294-04-24
Sampled by	Laboratory	Sampling Date	13.04.2024 to 14.04.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	14.04.2024
Group	Atmospheric Pollution	Test Commenced On	15.04.2024
Discipline	Chemical	Test Completed On	16.04.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/05	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
09.03.2024	06:00 - 07:00	66.2
09.03.2024	07:00 - 08:00	64.7
09.03.2024	08:00 - 09:00	65.3
09.03.2024	09:00 - 10:00	64.9
09.03.2024	10:00 - 11:00	66.1
09.03.2024	11:00 - 12:00	65.9
09.03.2024	12:00 - 13:00	64.3
09.03.2024	13:00 - 14:00	67.5
09.03.2024	14:00 - 15:00	65.9
09.03.2024	15:00 - 16:00	64.2
09.03.2024	16:00 - 17:00	63.7
09.03.2024	17:00 - 18:00	65.8
09.03.2024	18:00 - 19:00	63.7
09.03.2024	19:00 - 20:00	64.5
09.03.2024	20:00 - 21:00	67.9
09.03.2024	21:00 - 22:00	63.4

Night Time		
Date	Time	Readings dB(A)
09.03.2024	22:00 - 23:00	55.9
09.03.2024	23:00 - 00:00	54.6
10.03.2024	00:00 - 01:00	53.7
10.03.2024	01:00 - 02:00	56.4
10.03.2024	02:00 - 03:00	53.8
10.03.2024	03:00 - 04:00	54.9
10.03.2024	04:00 - 05:00	53.2
10.03.2024	05:00 - 06:00	57.8



Time	Min	Max	Leq	Limit
Day	63.4	67.9	65.4	65 dB(A)
Night	53.2	57.8	55.3	55 dB(A)

Note

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Haddazaram, Chennai, Tamil Nadu -600 060.
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Report No	PCEI/TR-N-2130
Report Date	02.04.2024

Sampling Location	Kallys	Category of Area	Commercial Area
Sample Description	Noise Monitoring	Sample Reference No	PCEI/N-1398-03-24
Sampling Method	IS 9889 - (93) (PA 2005)	Sampling Date	30.03.2024 to 31.03.2024
Sampled by	Laboratory	Sample Received On	31.03.2024
Equipment Installed	1.5 m from Ground Level	Test Commenced On	01.04.2024
Group	Atmospheric Pollution	Test Completed On	02.04.2024
Discipline	Chemical		

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Uttrony/SI-8033SD	PCEI/0054	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
30.03.2024	06:00 - 07:00	65.5
30.03.2024	07:00 - 08:00	63.7
30.03.2024	08:00 - 09:00	64.4
30.03.2024	09:00 - 10:00	65.8
30.03.2024	10:00 - 11:00	66.1
30.03.2024	11:00 - 12:00	64.4
30.03.2024	12:00 - 13:00	63.6
30.03.2024	13:00 - 14:00	65.2
30.03.2024	14:00 - 15:00	66.1
30.03.2024	15:00 - 16:00	64.9
30.03.2024	16:00 - 17:00	63.4
30.03.2024	17:00 - 18:00	64.8
30.03.2024	18:00 - 19:00	65.5
30.03.2024	19:00 - 20:00	67.4
30.03.2024	20:00 - 21:00	66.8
30.03.2024	21:00 - 22:00	65.1

Night Time		
Date	Time	Readings dB(A)
30.03.2024	22:00 - 23:00	54.4
30.03.2024	23:00 - 00:00	55.2
31.03.2024	00:00 - 01:00	56.3
31.03.2024	01:00 - 02:00	55.7
31.03.2024	02:00 - 03:00	53.8
31.03.2024	03:00 - 04:00	53.6
31.03.2024	04:00 - 05:00	58.7
31.03.2024	05:00 - 06:00	55.1



Time	Min	Max	Leq	Limit
Day	62.4	69.5	65.8	65 dB(A)
Night	53.6	58.7	55.7	55 dB(A)

Note:

and as per THE ENVIRONMENT (PROTECTION AND CONTROL) RULES, 2000. Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9889 - (93) and C731 Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not exceed the LAQ standard for Commercial Area noise levels.

*** End of Report ***
Page 1 of 1

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Note: 1. The test results are only to the sample submitted for test. 2. Any Correction of the test report in full or part shall invalidate the report. 3. Sample will be retained for 15 days from the date of reporting except in case of regulatory samples or specifically instructed by client. 4. Perishable samples will be discarded immediately after reporting. 5. Under no circumstances lab accepts any liability or loss/damage caused by use or misuse of test report after invoicing or issued of test report

TEST REPORT

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Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.
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Report No	PCEI/YR-N-2128
Report Date	26.03.2024

Sampling Location	Kellys	Category of Area	Commercial Area
Sample Description	Noise Monitoring	Sample Reference No	PCEI/N-1095-03-24
Sampling Method	IS 9889 - 1981 (FA 7003)	Sampling Date	23.03.2024 to 24.03.2024
Sampled by	Laboratory	Sample Received On	24.03.2024
Equipment Installed	1.5 m from Ground Level	Test Commenced On	24.03.2024
Group	Atmospheric Pollutants	Test Completed On	26.03.2024
Discipline	Chemical		

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Eutron/Sr-400/SD	PCEI/EQ/08	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
08.03.2024	06:00 - 07:00	61.1
08.03.2024	07:00 - 08:00	62.7
08.03.2024	08:00 - 09:00	61.5
08.03.2024	09:00 - 10:00	59.0
08.03.2024	10:00 - 11:00	60.2
08.03.2024	11:00 - 12:00	61.8
08.03.2024	12:00 - 13:00	62.9
08.03.2024	13:00 - 14:00	62.2
08.03.2024	14:00 - 15:00	62.1
08.03.2024	15:00 - 16:00	60.3
08.03.2024	16:00 - 17:00	59.2
08.03.2024	17:00 - 18:00	62.5
08.03.2024	18:00 - 19:00	69.3
08.03.2024	19:00 - 20:00	64.7
08.03.2024	20:00 - 21:00	73.5
08.03.2024	21:00 - 22:00	63.8

Night Time		
Date	Time	Readings dB(A)
08.03.2024	22:00 - 23:00	52.8
09.03.2024	23:00 - 00:00	57.6
10.03.2024	00:00 - 01:00	58.4
10.03.2024	01:00 - 02:00	56.7
10.03.2024	02:00 - 03:00	58.6
10.03.2024	03:00 - 04:00	52.7
10.03.2024	04:00 - 05:00	59.2
10.03.2024	05:00 - 06:00	54.2



Time	Min	Max	Leq	Limit
Day	61.7	73.5	66.2	65 dB(A)
Night	52.7	59.2	56.9	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9889:1981 and CPEB protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above results show that the noise level does not exceed the NISW standard for Commercial Area noise levels.

*** End of Report ***

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TEST REPORT

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Issued to	M/s TATA Projects Limited (UG 02) Victoria Residency II Project, UG-02, 200 Feet Ring Rd, Victoria Road, Havasimons, Chennai, Tamil Nadu - 600 060.
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Report No	PCEI/TR-N-1805
Report Date	19.03.2024

Sampling Location	RRV's	Category of Area	Commercial Area
Sample Description	Noise Monitoring	Sample Reference No	PCEI/N-531-03-24
Sampling Method	IS 9899 : 1991 (Part 1) & IS 10810	Sampling Date	16.03.2024 to 17.03.2024
Sampled by	Laboratory	Sample Received On	17.03.2024
Equipment Location	1.5 m from Ground Level	Test Commenced On	18.03.2024
Group	Ambient Noise	Test Completed On	19.03.2024
Discipline	Chemical		

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound level Meter with Data Logger	Extech SL-105-201	PCEI/TQ/54	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
16.03.2024	06:00 - 07:00	61.1
16.03.2024	07:00 - 08:00	61.1
16.03.2024	08:00 - 09:00	61.8
16.03.2024	09:00 - 10:00	60.2
16.03.2024	10:00 - 11:00	63.1
16.03.2024	11:00 - 12:00	61.1
16.03.2024	12:00 - 13:00	60.2
16.03.2024	13:00 - 14:00	61.4
16.03.2024	14:00 - 15:00	60.3
16.03.2024	15:00 - 16:00	64.2
16.03.2024	16:00 - 17:00	61.0
16.03.2024	17:00 - 18:00	60.1
16.03.2024	18:00 - 19:00	62.4
16.03.2024	19:00 - 20:00	65.9
16.03.2024	20:00 - 21:00	73.5
16.03.2024	21:00 - 22:00	61.8

Night Time		
Date	Time	Readings dB(A)
16.03.2024	22:00 - 23:00	53.0
16.03.2024	23:00 - 00:00	58.6
16.03.2024	00:00 - 01:00	54.2
16.03.2024	01:00 - 02:00	53.8
16.03.2024	02:00 - 03:00	59.1
16.03.2024	03:00 - 04:00	53.4
16.03.2024	04:00 - 05:00	61.2
16.03.2024	05:00 - 06:00	54.7



Time	Min	Max	Leq	Limit
Day	60.3	73.5	66.4	65 dB(A)
Night	53.4	61.2	57.1	55 dB(A)

Note:

Compliance with the BIS Standard IS 11803:2016 (Part 1) & IS 10810:2016 (Part 1) with respect to Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime (55 dB(A) Leq) & Night (45 dB(A) Leq) shall mean from 06:00 am to 10:00 pm. 2. Night time shall mean from 10:00 pm to 6:00 am. The Noise level were monitored as per IS 11803:2016 (Part 1) & IS 10810:2016 (Part 1).

INTERPRETATION: The measured noise level does not exceed the limit stipulated for Commercial Area noise levels.

*** End of Report ***

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Note: 1.The test results are only to the sample submitted for test. 2.Any Correction of the test report in full or part shall invalidate the report. 3.Sample will be retained for 15 days from the date of reporting except in case of regulatory samples or specifically instructed by client. 4.Perishable samples will be discarded immediately after reporting. 5.Under no circumstances lab accepts any liability or loss/damage caused by use or misuse of test report after invoicing or issued of test report

TEST REPORT

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Issued by:	M/S TATA Projects Limited (UG 02)
	Chennai Metro Rail Project - 0.No/097, 200 Feet Ring Rd,
	VE Park Major, Nallambalam, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TN-1565
Report Date	12.03.2024

Sampling Location	Kutya	Category of Area	Commercial Area
Sample Description	Area of Monitoring	Sample Reference No	PCEI/TN-289-03-24
Sampling method	IS 5185 - 1984 - 1/2-03	Sampling Date	09.03.2024 to 10.03.2024
Sampled by	Laboratory	Sample Received On	10.03.2024
Equipment Installed	3.5 m from Ground Level	Test Commenced On	11.03.2024
Group	Atmospheric Pollution	Test Completed On	12.03.2024
Discipline	Chemical		

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter (SLM) - 45 (Class: Type 1)	Grainbridge	PCEI/09/99	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
09.03.2024	06:00 - 07:00	65.5
09.03.2024	07:00 - 08:00	67.1
09.03.2024	08:00 - 09:00	68.7
09.03.2024	09:00 - 10:00	65.8
09.03.2024	10:00 - 11:00	68.5
09.03.2024	11:00 - 12:00	64.7
09.03.2024	12:00 - 13:00	63.8
09.03.2024	13:00 - 14:00	63.7
09.03.2024	14:00 - 15:00	66.4
09.03.2024	15:00 - 16:00	65.5
09.03.2024	16:00 - 17:00	67.1
09.03.2024	17:00 - 18:00	66.1
09.03.2024	18:00 - 19:00	63.4
09.03.2024	19:00 - 20:00	62.2
09.03.2024	20:00 - 21:00	61.1
09.03.2024	21:00 - 22:00	61.1

Night Time		
Date	Time	Readings dB(A)
09.03.2024	22:00 - 23:00	56.1
10.03.2024	23:00 - 00:00	53.8
10.03.2024	00:00 - 01:00	52.4
10.03.2024	01:00 - 02:00	55.8
10.03.2024	02:00 - 03:00	51.4
10.03.2024	03:00 - 04:00	53.2
10.03.2024	04:00 - 05:00	52.6
10.03.2024	05:00 - 06:00	59.7



Time	Min	Max	Leq	Limit
Day	61.8	68.7	65.6	65 dB(A)
Night	51.4	59.7	55.2	55 dB(A)

Note:

Issued as per THE AMBIENT POLLUTION (REGULATION AND CONTROL) RULES, 2009 - Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 06:00 a.m. to 10:00 p.m. 2. Night time shall mean from 10:00 p.m. to 06:00 a.m. The Noise level were monitored as per IS 5185:1984 - 1/2-03 - method for Ambient Noise Level Monitoring, 2015

INTERPRETATION:
The above results are within the measured noise level as per IS 5185 standard for Commercial Area noise levels.

*** End of Report ***
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TEST REPORT

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase-II Project, D.No.497, 200 Feet Ring Rd, VS Mini Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-2258
Report Date	05.03.2024

Sampling Location	Kelys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9889 - 1981 and CCH Protocol	Sample Reference No	PCEI/N-054-03-24
Sampled by	Laboratory	Sampling Date	02.03.2024 to 03.03.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	03.03.2024
Group	Atmospheric Pollution	Test Commenced On	04.03.2024
Discipline	Chemical	Test Completed On	05.03.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Eubon 59-4612-01	PCEI/FQ/54	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
02.03.2024	06:00 - 07:00	64.5
02.03.2024	07:00 - 08:00	62.3
02.03.2024	08:00 - 09:00	72.5
02.03.2024	09:00 - 10:00	69.8
02.03.2024	10:00 - 11:00	70.1
02.03.2024	11:00 - 12:00	69.9
02.03.2024	12:00 - 13:00	72.4
02.03.2024	13:00 - 14:00	69.4
02.03.2024	14:00 - 15:00	64.4
02.03.2024	15:00 - 16:00	63.4
02.03.2024	16:00 - 17:00	65.7
02.03.2024	17:00 - 18:00	66.6
02.03.2024	18:00 - 19:00	64.4
02.03.2024	19:00 - 20:00	61.7
02.03.2024	20:00 - 21:00	63.1
02.03.2024	21:00 - 22:00	63.3

Night Time		
Date	Time	Readings dB(A)
02.03.2024	22:00 - 23:00	57.7
02.03.2024	23:00 - 00:00	56.2
03.03.2024	00:00 - 01:00	58.1
03.03.2024	01:00 - 02:00	61.3
03.03.2024	02:00 - 03:00	58.8
03.03.2024	03:00 - 04:00	56.6
03.03.2024	04:00 - 05:00	54.4
03.03.2024	05:00 - 06:00	53.6



Time	Min	Max	Leq	Limit
Day	62.3	72.5	67.8	65 dB(A)
Night	53.6	61.3	57.7	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9889 - 1981 and CCH Protocol for Ambient Noise Level Monitoring, Jul 2015

INTERPRETATION:

The above result shows that the noise level does not exceed the BAW standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-2061
Report Date	27.02.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-843-02-24
Sampled by	Laboratory	Sampling Date	24.02.2024 to 25.02.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	25.02.2024
Group	Atmospheric Pollution	Test Commenced On	26.02.2024
Discipline	Chemical	Test Completed On	27.02.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Hemsun/HDB22011	PCEI/EQ/99	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
24.02.2024	06:00 - 07:00	65.9
24.02.2024	07:00 - 08:00	66.7
24.02.2024	08:00 - 09:00	70.3
24.02.2024	09:00 - 10:00	71.5
24.02.2024	10:00 - 11:00	69.5
24.02.2024	11:00 - 12:00	68.4
24.02.2024	12:00 - 13:00	69.2
24.02.2024	13:00 - 14:00	68.3
24.02.2024	14:00 - 15:00	65.2
24.02.2024	15:00 - 16:00	64.6
24.02.2024	16:00 - 17:00	62.3
24.02.2024	17:00 - 18:00	65.7
24.02.2024	18:00 - 19:00	63.4
24.02.2024	19:00 - 20:00	65.2
24.02.2024	20:00 - 21:00	61.7
24.02.2024	21:00 - 22:00	62.3

Night Time		
Date	Time	Readings dB(A)
24.02.2024	22:00 - 23:00	58.6
24.02.2024	23:00 - 00:00	59.4
25.02.2024	00:00 - 01:00	59.3
25.02.2024	01:00 - 02:00	60.8
25.02.2024	02:00 - 03:00	59.3
25.02.2024	03:00 - 04:00	57.4
25.02.2024	04:00 - 05:00	56.1
25.02.2024	05:00 - 06:00	55.6



Time	Min	Max	Leq	Limit
Day	61.7	71.5	67.2	65 dB(A)
Night	55.6	60.8	58.6	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime: 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***
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TEST REPORT

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-1745
Report Date	20.02.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-523-02-24
Sampled by	Laboratory	Sampling Date	17.02.2024 to 18.04.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	18.04.2024
Group	Atmospheric Pollution	Test Commenced On	19.02.2024
Discipline	Chemical	Test Completed On	20.02.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/05	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
17.02.2024	06:00 - 07:00	68.6
17.02.2024	07:00 - 08:00	67.9
17.02.2024	08:00 - 09:00	64.9
17.02.2024	09:00 - 10:00	65.2
17.02.2024	10:00 - 11:00	69.1
17.02.2024	11:00 - 12:00	72.5
17.02.2024	12:00 - 13:00	71.9
17.02.2024	13:00 - 14:00	73.4
17.02.2024	14:00 - 15:00	75.8
17.02.2024	15:00 - 16:00	74.6
17.02.2024	16:00 - 17:00	71.6
17.02.2024	17:00 - 18:00	78.3
17.02.2024	18:00 - 19:00	68.1
17.02.2024	19:00 - 20:00	69.3
17.02.2024	20:00 - 21:00	64.2
17.02.2024	21:00 - 22:00	63.5

Night Time		
Date	Time	Readings dB(A)
17.02.2024	22:00 - 23:00	57.8
17.02.2024	23:00 - 00:00	58.2
18.02.2024	00:00 - 01:00	57.6
18.02.2024	01:00 - 02:00	59.1
18.02.2024	02:00 - 03:00	58.4
18.02.2024	03:00 - 04:00	59.2
18.02.2024	04:00 - 05:00	58.3
18.02.2024	05:00 - 06:00	61.2



Time	Min	Max	Leq	Limit
Day	63.5	78.3	72.0	65 dB(A)
Night	57.6	61.2	58.9	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-1588
Report Date	13.02.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-366-02-24
Sampled by	Laboratory	Sampling Date	10.02.2024 to 11.02.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	11.02.2024
Group	Atmospheric Pollution	Test Commenced On	12.02.2024
Discipline	Chemical	Test Completed On	13.02.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/05	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
10.02.2024	06:00 - 07:00	65.8
10.02.2024	07:00 - 08:00	64.5
10.02.2024	08:00 - 09:00	63.6
10.02.2024	09:00 - 10:00	66.2
10.02.2024	10:00 - 11:00	67.2
10.02.2024	11:00 - 12:00	66.7
10.02.2024	12:00 - 13:00	68.3
10.02.2024	13:00 - 14:00	65.2
10.02.2024	14:00 - 15:00	63.4
10.02.2024	15:00 - 16:00	62.2
10.02.2024	16:00 - 17:00	65.7
10.02.2024	17:00 - 18:00	62.4
10.02.2024	18:00 - 19:00	65.2
10.02.2024	19:00 - 20:00	63.8
10.02.2024	20:00 - 21:00	64.9
10.02.2024	21:00 - 22:00	67.2

Night Time		
Date	Time	Readings dB(A)
10.02.2024	22:00 - 23:00	54.9
10.02.2024	23:00 - 00:00	54.8
11.02.2024	00:00 - 01:00	53.8
11.02.2024	01:00 - 02:00	54.9
11.02.2024	02:00 - 03:00	55.5
11.02.2024	03:00 - 04:00	55.3
11.02.2024	04:00 - 05:00	54.8
11.02.2024	05:00 - 06:00	56.1



Time	Min	Max	Leq	Limit
Day	62.2	68.3	65.5	65 dB(A)
Night	53.8	56.1	55.1	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-1309
Report Date	06.02.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-086-02-24
Sampled by	Laboratory	Sampling Date	03.02.2024 to 04.02.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	04.02.2024
Group	Atmospheric Pollution	Test Commenced On	05.02.2024
Discipline	Chemical	Test Completed On	06.02.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SL-4023SD	PCEI/EQ/08	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
03.02.2024	06:00 - 07:00	64.5
03.02.2024	07:00 - 08:00	65.1
03.02.2024	08:00 - 09:00	64.5
03.02.2024	09:00 - 10:00	67.9
03.02.2024	10:00 - 11:00	65.3
03.02.2024	11:00 - 12:00	62.8
03.02.2024	12:00 - 13:00	68.3
03.02.2024	13:00 - 14:00	65.4
03.02.2024	14:00 - 15:00	66.9
03.02.2024	15:00 - 16:00	64.3
03.02.2024	16:00 - 17:00	63.4
03.02.2024	17:00 - 18:00	65.5
03.02.2024	18:00 - 19:00	69.3
03.02.2024	19:00 - 20:00	65.3
03.02.2024	20:00 - 21:00	64.8
03.02.2024	21:00 - 22:00	66.4

Night Time		
Date	Time	Readings dB(A)
03.02.2024	22:00 - 23:00	52.3
03.02.2024	23:00 - 00:00	54.9
04.02.2024	00:00 - 01:00	50.2
04.02.2024	01:00 - 02:00	53.6
04.02.2024	02:00 - 03:00	51.7
04.02.2024	03:00 - 04:00	53.9
04.02.2024	04:00 - 05:00	52.4
04.02.2024	05:00 - 06:00	53.9



Time	Min	Max	Leq	Limit
Day	62.8	69.3	66.0	65 dB(A)
Night	50.2	54.9	53.1	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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Accredited by NABL & NABET, Certified ISO 9001:2015 ISO 14001:2015 & ISO 45001: 2018

Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-938
Report Date	30.01.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-938-01-24
Sampled by	Laboratory	Sampling Date	27.01.2024 to 28.01.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	28.01.2024
Group	Atmospheric Pollution	Test Commenced On	29.01.2024
Discipline	Chemical	Test Completed On	30.01.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SL-4023SD	PCEI/EQ/08	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
27.01.2024	06:00 - 07:00	66.2
27.01.2024	07:00 - 08:00	66.7
27.01.2024	08:00 - 09:00	68.3
27.01.2024	09:00 - 10:00	69.4
27.01.2024	10:00 - 11:00	70.6
27.01.2024	11:00 - 12:00	72.5
27.01.2024	12:00 - 13:00	70.1
27.01.2024	13:00 - 14:00	69.6
27.01.2024	14:00 - 15:00	67.3
27.01.2024	15:00 - 16:00	62.5
27.01.2024	16:00 - 17:00	63.8
27.01.2024	17:00 - 18:00	66.1
27.01.2024	18:00 - 19:00	66.9
27.01.2024	19:00 - 20:00	66.5
27.01.2024	20:00 - 21:00	65.4
27.01.2024	21:00 - 22:00	64.2

Night Time		
Date	Time	Readings dB(A)
27.01.2024	22:00 - 23:00	61.3
27.01.2024	23:00 - 00:00	58.7
28.01.2024	00:00 - 01:00	57.6
28.01.2024	01:00 - 02:00	58.1
28.01.2024	02:00 - 03:00	53.6
28.01.2024	03:00 - 04:00	55.1
28.01.2024	04:00 - 05:00	52.8
28.01.2024	05:00 - 06:00	52.2



Time	Min	Max	Leq	Limit
Day	62.5	72.5	68.0	65 dB(A)
Night	52.2	61.3	57.2	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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TEST REPORT

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-529
Report Date	23.01.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-529-01-24
Sampled by	Laboratory	Sampling Date	20.01.2024 to 21.01.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	21.01.2024
Group	Atmospheric Pollution	Test Commenced On	22.01.2024
Discipline	Chemical	Test Completed On	23.01.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/54	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
20.01.2024	06:00 - 07:00	64.7
20.01.2024	07:00 - 08:00	66.8
20.01.2024	08:00 - 09:00	69.1
20.01.2024	09:00 - 10:00	70.5
20.01.2024	10:00 - 11:00	69.1
20.01.2024	11:00 - 12:00	68.3
20.01.2024	12:00 - 13:00	67.5
20.01.2024	13:00 - 14:00	66.6
20.01.2024	14:00 - 15:00	63.4
20.01.2024	15:00 - 16:00	62.7
20.01.2024	16:00 - 17:00	67.4
20.01.2024	17:00 - 18:00	63.1
20.01.2024	18:00 - 19:00	65.6
20.01.2024	19:00 - 20:00	64.9
20.01.2024	20:00 - 21:00	66.2
20.01.2024	21:00 - 22:00	60.3

Night Time		
Date	Time	Readings dB(A)
20.01.2024	22:00 - 23:00	56.4
20.01.2024	23:00 - 00:00	55.8
21.01.2024	00:00 - 01:00	54.1
21.01.2024	01:00 - 02:00	52.5
21.01.2024	02:00 - 03:00	53.8
21.01.2024	03:00 - 04:00	54.2
21.01.2024	04:00 - 05:00	53.9
21.01.2024	05:00 - 06:00	54.1



Time	Min	Max	Leq	Limit
Day	60.3	70.5	66.8	65 dB(A)
Night	52.5	56.4	54.5	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-427
Report Date	18.01.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 -- 1981 (RA 2008)	Sample Reference No	PCEI/N-427-01-24
Sampled by	Laboratory	Sampling Date	13.01.2024 to 14.01.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	14.01.2024
Group	Atmospheric Pollution	Test Commenced On	17.01.2024
Discipline	Chemical	Test Completed On	18.01.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SL-4023SD	PCEI/EQ/08	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
13.01.2024	06:00 - 07:00	63.2
13.01.2024	07:00 - 08:00	68.4
13.01.2024	08:00 - 09:00	63.8
13.01.2024	09:00 - 10:00	66.0
13.01.2024	10:00 - 11:00	64.1
13.01.2024	11:00 - 12:00	65.2
13.01.2024	12:00 - 13:00	66.8
13.01.2024	13:00 - 14:00	68.2
13.01.2024	14:00 - 15:00	67.4
13.01.2024	15:00 - 16:00	67.0
13.01.2024	16:00 - 17:00	65.4
13.01.2024	17:00 - 18:00	66.5
13.01.2024	18:00 - 19:00	62.1
13.01.2024	19:00 - 20:00	64.4
13.01.2024	20:00 - 21:00	68.3
13.01.2024	21:00 - 22:00	66.7

Night Time		
Date	Time	Readings dB(A)
13.01.2024	22:00 - 23:00	55.2
13.01.2024	23:00 - 00:00	56.6
14.01.2024	00:00 - 01:00	53.2
14.01.2024	01:00 - 02:00	52.9
14.01.2024	02:00 - 03:00	54.1
14.01.2024	03:00 - 04:00	54.3
14.01.2024	04:00 - 05:00	56.5
14.01.2024	05:00 - 06:00	57.9



Time	Min	Max	Leq	Limit
Day	62.1	68.4	66.2	65 dB(A)
Night	52.9	57.9	55.4	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-151
Report Date	09.01.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/M-151-01-24
Sampled by	Laboratory	Sampling Date	06.01.2024 to 07.01.2024
Equipment Installed	1.5 m from Ground Level	Sample Received On	07.01.2024
Group	Atmospheric Pollution	Test Commenced On	08.01.2024
Discipline	Chemical	Test Completed On	09.01.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/05	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
06.01.2024	06:00 - 07:00	61.6
06.01.2024	07:00 - 08:00	66.8
06.01.2024	08:00 - 09:00	62.2
06.01.2024	09:00 - 10:00	63.8
06.01.2024	10:00 - 11:00	62.5
06.01.2024	11:00 - 12:00	63.6
06.01.2024	12:00 - 13:00	69.2
06.01.2024	13:00 - 14:00	68.3
06.01.2024	14:00 - 15:00	65.8
06.01.2024	15:00 - 16:00	65.8
06.01.2024	16:00 - 17:00	63.8
06.01.2024	17:00 - 18:00	64.9
06.01.2024	18:00 - 19:00	68.8
06.01.2024	19:00 - 20:00	68.4
06.01.2024	20:00 - 21:00	66.7
06.01.2024	21:00 - 22:00	65.1

Night Time		
Date	Time	Readings dB(A)
06.01.2024	22:00 - 23:00	53.6
06.01.2024	23:00 - 00:00	55.0
07.01.2024	00:00 - 01:00	51.6
07.01.2024	01:00 - 02:00	51.3
07.01.2024	02:00 - 03:00	52.5
07.01.2024	03:00 - 04:00	52.7
07.01.2024	04:00 - 05:00	54.9
07.01.2024	05:00 - 06:00	56.3



Time	Min	Max	Leq	Limit
Day	61.6	69.2	66.1	65 dB(A)
Night	51.3	56.3	53.8	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989:1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

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Note: 1.The test results are only to the sample submitted for test. 2.Any Correction of the test report in full or part shall invalidate the report 3.Sample will be retained for 15 days from the date of reporting except in case of regulatory samples or specifically instructed by client. 4.Perishable samples will be discarded immediately after reporting 5.Under no circumstances lab accepts any liability or loss/damage caused by use or misuse of test report after invoicing or issued of test report

TEST REPORT

Accredited by NABL & NABET, Certified ISO 9001:2015 ISO 14001:2015 & ISO 45001: 2018

Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-W-20009
Report Date	02.01.2024

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-769-12-23
Sampled by	Laboratory	Sampling Date	30.12.2023 to 31.12.2023
Equipment Installed	1.5 m from Ground Level	Sample Received On	31.12.2023
Group	Atmospheric Pollution	Test Commenced On	01.01.2024
Discipline	Chemical	Test Completed On	02.01.2024

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SL-4023SD	PCEI/EQ/08	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
30.12.2023	06:00 - 07:00	61.9
30.12.2023	07:00 - 08:00	64.1
30.12.2023	08:00 - 09:00	64.9
30.12.2023	09:00 - 10:00	66.9
30.12.2023	10:00 - 11:00	68.7
30.12.2023	11:00 - 12:00	69.3
30.12.2023	12:00 - 13:00	64.4
30.12.2023	13:00 - 14:00	66.5
30.12.2023	14:00 - 15:00	68.7
30.12.2023	15:00 - 16:00	69.3
30.12.2023	16:00 - 17:00	63.8
30.12.2023	17:00 - 18:00	67.8
30.12.2023	18:00 - 19:00	67.6
30.12.2023	19:00 - 20:00	64.4
30.12.2023	20:00 - 21:00	62.4
30.12.2023	21:00 - 22:00	63.9

Night Time		
Date	Time	Readings dB(A)
30.12.2023	22:00 - 23:00	56.8
30.12.2023	23:00 - 00:00	57.6
31.12.2023	00:00 - 01:00	52.1
31.12.2023	01:00 - 02:00	50.5
31.12.2023	02:00 - 03:00	52.2
31.12.2023	03:00 - 04:00	64.4
31.12.2023	04:00 - 05:00	50.3
31.12.2023	05:00 - 06:00	49.6



Time	Min	Max	Leq	Limit
Day	61.9	69.3	66.6	65 dB(A)
Night	49.6	64.4	57.4	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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TEST REPORT

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Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.
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Report No	PCEI/TR-N-119704
Report Date	27.12.2023

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-564-12-23
Sampled by	Laboratory	Sampling Date	23.12.2023 to 24.12.2023
Equipment Installed	1.5 m from Ground Level	Sample Received On	24.12.2023
Group	Atmospheric Pollution	Test Commenced On	26.12.2023
Discipline	Chemical	Test Completed On	27.12.2023

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/05	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
23.12.2023	06:00 - 07:00	67.1
23.12.2023	07:00 - 08:00	64.4
23.12.2023	08:00 - 09:00	66.9
23.12.2023	09:00 - 10:00	68.8
23.12.2023	10:00 - 11:00	64.2
23.12.2023	11:00 - 12:00	63.1
23.12.2023	12:00 - 13:00	67.2
23.12.2023	13:00 - 14:00	62.6
23.12.2023	14:00 - 15:00	67.1
23.12.2023	15:00 - 16:00	60.2
23.12.2023	16:00 - 17:00	57.1
23.12.2023	17:00 - 18:00	62.5
23.12.2023	18:00 - 19:00	68.1
23.12.2023	19:00 - 20:00	69.0
23.12.2023	20:00 - 21:00	62.7
23.12.2023	21:00 - 22:00	64.2

Night Time		
Date	Time	Readings dB(A)
23.12.2023	22:00 - 23:00	58.3
23.12.2023	23:00 - 00:00	55.9
24.12.2023	00:00 - 01:00	53.7
24.12.2023	01:00 - 02:00	52.4
24.12.2023	02:00 - 03:00	52.9
24.12.2023	03:00 - 04:00	51.3
24.12.2023	04:00 - 05:00	52.4
24.12.2023	05:00 - 06:00	54.3

Time	Min	Max	Leq	Limit
Day	57.1	69.0	65.7	65 dB(A)
Night	51.3	58.3	54.5	55 dB(A)



Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-11576
Report Date	16.12.2023

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-148-12-23
Sampled by	Laboratory	Sampling Date	13.12.2023 to 14.12.2023
Equipment Installed	1.5 m from Ground Level	Sample Received On	14.12.2023
Group	Atmospheric Pollution	Test Commenced On	14.12.2023
Discipline	Chemical	Test Completed On	16.12.2023

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/54	28.11.2023	27.11.2024

Day Time		
Date	Time	Readings dB(A)
13.12.2023	06:00 - 07:00	65.3
13.12.2023	07:00 - 08:00	62.6
13.12.2023	08:00 - 09:00	65.1
13.12.2023	09:00 - 10:00	67.0
13.12.2023	10:00 - 11:00	62.4
13.12.2023	11:00 - 12:00	61.3
13.12.2023	12:00 - 13:00	66.2
13.12.2023	13:00 - 14:00	60.8
13.12.2023	14:00 - 15:00	65.3
13.12.2023	15:00 - 16:00	58.4
13.12.2023	16:00 - 17:00	55.3
13.12.2023	17:00 - 18:00	60.7
13.12.2023	18:00 - 19:00	66.3
13.12.2023	19:00 - 20:00	67.2
13.12.2023	20:00 - 21:00	60.9
13.12.2023	21:00 - 22:00	62.4

Night Time		
Date	Time	Readings dB(A)
13.12.2023	22:00 - 23:00	56.7
13.12.2023	23:00 - 00:00	54.3
14.12.2023	00:00 - 01:00	52.1
14.12.2023	01:00 - 02:00	50.8
14.12.2023	02:00 - 03:00	51.3
14.12.2023	03:00 - 04:00	49.7
14.12.2023	04:00 - 05:00	50.8
14.12.2023	05:00 - 06:00	52.7



Time	Min	Max	Leq	Limit
Day	55.3	67.2	64.0	65 dB(A)
Night	49.7	56.7	52.9	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level meet the NAAQ standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG D2) Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.
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Report No	PCEI/TR-N-10924
Report Date	21.11.2023

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9889 - 1981 (RA 2008)	Sample Reference No	PCEI/N-413-11-23
Sampled by	Laboratory	Sampling Date	18.11.2023 to 19.11.2023
Equipment Installed	1.5 m from Ground Level	Sample Received On	19.11.2023
Group	Atmospheric Pollution	Test Commenced On	19.11.2023
Discipline	Chemical	Test Completed On	21.11.2023

REFERENCE EQUIPMENT DETAILS

Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SI-4033SD	PCEI/EQ/54	02.12.2022	01.12.2023

Day Time		
Date	Time	Readings dB(A)
18.11.2023	06:00 - 07:00	66.8
18.11.2023	07:00 - 08:00	65.3
18.11.2023	08:00 - 09:00	64.1
18.11.2023	09:00 - 10:00	66.4
18.11.2023	10:00 - 11:00	67.5
18.11.2023	11:00 - 12:00	65.3
18.11.2023	12:00 - 13:00	64.4
18.11.2023	13:00 - 14:00	60.9
18.11.2023	14:00 - 15:00	63.7
18.11.2023	15:00 - 16:00	62.1
18.11.2023	16:00 - 17:00	59.8
18.11.2023	17:00 - 18:00	61.6
18.11.2023	18:00 - 19:00	60.5
18.11.2023	19:00 - 20:00	62.4
18.11.2023	20:00 - 21:00	63.1
18.11.2023	21:00 - 22:00	61.6

Night Time		
Date	Time	Readings dB(A)
18.11.2023	22:00 - 23:00	55.1
18.11.2023	23:00 - 00:00	52.3
19.11.2023	00:00 - 01:00	51.6
19.11.2023	01:00 - 02:00	50.3
19.11.2023	02:00 - 03:00	48.7
19.11.2023	03:00 - 04:00	55.1
19.11.2023	04:00 - 05:00	58.7
19.11.2023	05:00 - 06:00	54.2



Time	Min	Max	Leq	Limit
Day	59.8	67.5	64.1	65 dB(A)
Night	48.7	58.7	54.3	55 dB(A)

Note

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9889-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level meet the NAAQ standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No.497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-10340
Report Date	03.11.2023

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (IA 2008)	Sample Reference No	PCEI/N-796-10-23
Sampled by	Laboratory	Sampling Date	30.10.2023 to 31.10.2023
Equipment Installed	1.5 m from Ground Level	Sample Received On	31.10.2023
Group	Atmospheric Pollution	Test Commenced On	31.10.2023
Discipline	Chemical	Test Completed On	03.11.2023

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SL-4023SD	PCEI/EQ/45	02.12.2022	01.12.2023

Day Time		
Date	Time	Readings dB(A)
30.10.2023	06:00 - 07:00	71.9
30.10.2023	07:00 - 08:00	69.4
30.10.2023	08:00 - 09:00	64.1
30.10.2023	09:00 - 10:00	69.4
30.10.2023	10:00 - 11:00	66.6
30.10.2023	11:00 - 12:00	63.1
30.10.2023	12:00 - 13:00	65.2
30.10.2023	13:00 - 14:00	69.0
30.10.2023	14:00 - 15:00	56.1
30.10.2023	15:00 - 16:00	64.6
30.10.2023	16:00 - 17:00	59.2
30.10.2023	17:00 - 18:00	61.0
30.10.2023	18:00 - 19:00	57.3
30.10.2023	19:00 - 20:00	55.4
30.10.2023	20:00 - 21:00	60.5
30.10.2023	21:00 - 22:00	59.1

Night Time		
Date	Time	Readings dB(A)
30.10.2023	22:00 - 23:00	57.9
30.10.2023	23:00 - 00:00	54.3
31.10.2023	00:00 - 01:00	53.5
31.10.2023	01:00 - 02:00	49.4
31.10.2023	02:00 - 03:00	47.9
31.10.2023	03:00 - 04:00	57.6
31.10.2023	04:00 - 05:00	60.1
31.10.2023	05:00 - 06:00	57.3



Time	Min	Max	Leq	Limit
Day	55.4	71.9	65.9	65 dB(A)
Night	47.9	60.1	56.3	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

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Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.
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Report No	PCEI/TR-N-9888
Report Date	24.10.2023

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 – 1981 (RA 2008)	Sample Reference No	PCEI/N-346-10-23
Sampled by	Laboratory	Sampling Date	17.10.2023 to 18.10.2023
Equipment Installed	1.5 m from Ground Level	Sample Received On	18.10.2023
Group	Atmospheric Pollution	Test Commenced On	18.10.2023
Discipline	Chemical	Test Completed On	24.10.2023

REFERENCE EQUIPMENT DETAILS

Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SL-4023SD	PCEI/EQ/45	02.12.2022	01.12.2023

Day Time		
Date	Time	Readings dB(A)
17.10.2023	06:00 - 07:00	73.7
17.10.2023	07:00 - 08:00	71.2
17.10.2023	08:00 - 09:00	65.9
17.10.2023	09:00 - 10:00	71.2
17.10.2023	10:00 - 11:00	68.4
17.10.2023	11:00 - 12:00	64.9
17.10.2023	12:00 - 13:00	67.0
17.10.2023	13:00 - 14:00	70.8
17.10.2023	14:00 - 15:00	57.9
17.10.2023	15:00 - 16:00	66.4
17.10.2023	16:00 - 17:00	61.0
17.10.2023	17:00 - 18:00	62.8
17.10.2023	18:00 - 19:00	59.1
17.10.2023	19:00 - 20:00	57.2
17.10.2023	20:00 - 21:00	62.3
17.10.2023	21:00 - 22:00	60.9

Night Time		
Date	Time	Readings dB(A)
17.10.2023	22:00 - 23:00	59.7
17.10.2023	23:00 - 00:00	56.1
18.10.2023	00:00 - 01:00	55.3
18.10.2023	01:00 - 02:00	51.2
18.10.2023	02:00 - 03:00	49.7
18.10.2023	03:00 - 04:00	59.4
18.10.2023	04:00 - 05:00	61.9
18.10.2023	05:00 - 06:00	59.1



Time	Min	Max	Leq	Limit
Day	57.2	73.7	67.7	65 dB(A)
Night	49.7	61.9	58.1	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000. Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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TEST REPORT

Accredited by NABL & NABET, Certified ISO 9001:2015 ISO 14001:2015 & ISO 45001: 2018

Issued to	M/s TATA Projects Limited (UG 02) Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.
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Report No	PCEI/TR-N-9667
Report Date	14.10.2023

Sampling Location	Kellys		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 – 1981 (RA 2008)	Sample Reference No	PCEI/M-125-10-23
Sampled by	Laboratory	Sampling Date	09.10.2023 to 10.10.2023
Equipment Installed	1.5 m from Ground Level	Sample Received On	10.10.2023
Group	Atmospheric Pollution	Test Commenced On	10.10.2023
Discipline	Chemical	Test Completed On	14.10.2023

REFERENCE EQUIPMENT DETAILS

Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SL-4023SD	PCEI/EQ/56	02.12.2022	01.12.2023

Day Time		
Date	Time	Readings dB(A)
09.10.2023	06:00 - 07:00	75.6
09.10.2023	07:00 - 08:00	73.1
09.10.2023	08:00 - 09:00	67.8
09.10.2023	09:00 - 10:00	73.1
09.10.2023	10:00 - 11:00	70.3
09.10.2023	11:00 - 12:00	66.8
09.10.2023	12:00 - 13:00	68.9
09.10.2023	13:00 - 14:00	72.7
09.10.2023	14:00 - 15:00	59.8
09.10.2023	15:00 - 16:00	68.3
09.10.2023	16:00 - 17:00	62.9
09.10.2023	17:00 - 18:00	64.7
09.10.2023	18:00 - 19:00	61.0
09.10.2023	19:00 - 20:00	59.1
09.10.2023	20:00 - 21:00	64.2
09.10.2023	21:00 - 22:00	62.8

Night Time		
Date	Time	Readings dB(A)
09.10.2023	22:00 - 23:00	61.6
09.10.2023	23:00 - 00:00	58.0
10.10.2023	00:00 - 01:00	57.2
10.10.2023	01:00 - 02:00	53.1
10.10.2023	02:00 - 03:00	51.6
10.10.2023	03:00 - 04:00	61.3
10.10.2023	04:00 - 05:00	63.8
10.10.2023	05:00 - 06:00	61.0



Time	Min	Max	Leq	Limit
Day	59.1	75.6	69.6	65 dB(A)
Night	51.6	63.8	60.0	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level does not meet the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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TEST REPORT

POLLUCARE ENGINEERS INDIA PVT.LTD.,
(Laboratory Services Division)

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Chennai - 600 077.
Ph : +91 44 2682 3190 / +91 73977 96831
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Web : www.pollucareindia.com

Accredited by NABL & NABET, Certified ISO 9001:2015 ISO 14001:2015 & ISO 45001: 2018

Issued to	M/s TATA Projects Limited (UG 02)
	Chennai Metro Phase II Project, D.No,497, 200 Feet Ring Rd, VS Mani Nagar, Madhavaram, Chennai, Tamil Nadu -600 060.

Report No	PCEI/TR-N-8618
Report Date	06.09.2023

Sampling Location	Kellys (Base Line)		
Sample Description	Noise Monitoring	Category of Area	Commercial Area
Sampling Method	IS 9989 - 1981 (RA 2008)	Sample Reference No	PCEI/N-1591-08-23
Sampled by	Laboratory	Sampling Date	29.08.2023 to 30.08.2023
Equipment Installed	1.5 m from Ground Level	Sample Received On	30.08.2023
Group	Atmospheric Pollution	Test Commenced On	30.08.2023
Discipline	Chemical	Test Completed On	06.09.2023

REFERENCE EQUIPMENT DETAILS				
Equipment Name	Make/Model	Equipment ID	Calibration Date	Due Date
Sound Level Meter with Data Logger	Lutron/SL-4023SD	PCEI/EQ/58	02.12.2022	01.12.2023

Day Time		
Date	Time	Readings dB(A)
29.08.2023	06:00 - 07:00	78.1
29.08.2023	07:00 - 08:00	75.6
29.08.2023	08:00 - 09:00	70.3
29.08.2023	09:00 - 10:00	75.6
29.08.2023	10:00 - 11:00	72.8
29.08.2023	11:00 - 12:00	69.3
29.08.2023	12:00 - 13:00	71.4
29.08.2023	13:00 - 14:00	75.2
29.08.2023	14:00 - 15:00	62.3
29.08.2023	15:00 - 16:00	70.8
29.08.2023	16:00 - 17:00	65.4
29.08.2023	17:00 - 18:00	67.2
29.08.2023	18:00 - 19:00	63.5
29.08.2023	19:00 - 20:00	61.6
29.08.2023	20:00 - 21:00	66.7
29.08.2023	21:00 - 22:00	65.3

Night Time		
Date	Time	Readings dB(A)
29.08.2023	22:00 - 23:00	64.1
29.08.2023	23:00 - 00:00	60.5
30.08.2023	00:00 - 01:00	59.7
30.08.2023	01:00 - 02:00	55.6
30.08.2023	02:00 - 03:00	54.1
30.08.2023	03:00 - 04:00	63.8
30.08.2023	04:00 - 05:00	56.3
30.08.2023	05:00 - 06:00	63.5



Time	Min	Max	Leq	Limit
Day	61.6	78.1	72.1	65 dB(A)
Night	54.1	66.3	62.5	55 dB(A)

Note:

Limit as per THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000, Schedule Ambient Air Quality Standards in respect of Noise in Commercial Area Daytime 65 dB(A) & Night Time 55 dB(A). 1. Day time shall mean from 6.00 a.m. to 10.00 p.m. 2. Night time shall mean from 10.00 p.m. to 6.00 a.m. The Noise level were monitored as per IS 9989-1981 and CPCB Protocol for Ambient Noise Level Monitoring, Jul 2015.

INTERPRETATION:

The above result shows that the noise level meets the NAAQ standard for Commercial Area noise levels.

*** End of Report ***

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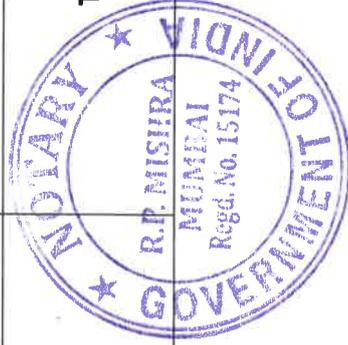

Authorised Signatory



Trench cutter before fixing of sound barrier



Trench cutter after fixing of sound barrier



**BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE BENCH AT CHENNAI**

(Memorandum under Section 18(1) read with Section 14, 15, of the NGT Act,
2010)

Original Application No. 175 of 2024 (SZ)

Mr. Lalit Kumar R.Shah,
No.2C, AdetiKunj Apartment,
Old No.29, New No.20, Balfour Road,
Chennai 600 010.

... Applicant

:Vs:

Chennai Metro Rail Ltd., (CMRL)
represented by its Managing Director,
No.327, Anna Salai, Nandanam,
Chennai 600 035 & 4 Ors.

... Respondents

INDEX TO TYPED SET OF DOCUMENTS

**M/s. P.J.RISHIKESH (1389/2004)
P.J. SRI GANESH (1796/2010)**

**COUNSEL FOR 2ND RESPONDENT
9884862677**