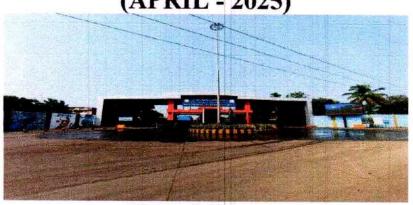
ENVIRONMENTAL MONITORING REPORT

(APRIL - 2025)



Submitted To: NEW MANGALORE PORT AUTHORITY

Govt. of India

(Ministry of Ports, Shipping and Waterways) Panambur, Mangalore - 575 010, Karnataka



Submitted By:

Arihant Analytical Laboratory Pvt. Ltd.

272, Phase-IV, Sector-57, HSIIDC,

Kundli, Dist. Sonepat, (Haryana)

Email: aalkundli@gmail.com

(Recognized by NABL & MOEF&CC, Government of India)

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Details of Sampling at M/s New Mangalore Port Authority, Mangalore, Karnataka (April-2025)

S/N	Sample Description & Locations	Date of Sampling
(I)	AMBIENT AIR - ONCE A MONTH	
1	U S Mallya Gate (Main Gate)	09/04/2025
2	Oil Jetty Area Near IMC Terminal	09/04/2025
3	Old Coastal Guard Office/SJ Gate	10/04/2025
4	VTMS Port Control	10/04/2025
5	NMPA Hospital	14/04/2025
(II)	AMBIENT AIR – TWICE A WEEK	
1	Scanner Yard	03/04/2025, 07/04/2025, 10/04/2025 14/04/2025, 17/04/2025, 21/04/2025 24/04/2025, 28/04/2025
2	Railway Yard	03/04/2025, 07/04/2025, 10/04/2025 14/04/2025, 17/04/2025, 21/04/2025 24/04/2025, 28/04/2025
3	KK Gate	03/04/2025, 07/04/2025, 10/04/2025 14/04/2025, 17/04/2025, 21/04/2025 24/04/2025, 28/04/2025
(III)	AMBIENT NOISE	
1	US Mallya Gate (Main Gate)	21/04/2025
2	Wharf Berth (Inside)	22/04/2025
3	Administration Office Building	24/04/2025
4	JNC Hall in the Port Colony	25/04/2025
5	Container Yard	28/04/2025
6	Wharf Canteen	29/04/2025
(IV)	STACK EMISSION - D G SETS	
1	33 KV MUSS - (11KV, 1000 KVA-1)	D G Set Was Not Running
2	33 KV MUSS - (11KV, 1000 KVA-2)	D G Set Was Not Running
3	VTMS - (415V, 125 KVA)	D G Set Was Not Running
4	ESD-V - (415V, 500 KVA-1)	D G Set Was Not Running
5	ESD-V - (415V, 500 KVA-2)	D G Set Was Not Running
6	Colony Substation - (415V, 500 KVA)	D G Set Was Not Running
7	Container Scanner Yard - (415V, 62.5 KVA)	D G Set Was Not Running
8	AO Building - (415V, 100 KVA)	D G Set Was Not Running
9	AO Building - (415V, 500 KVA)	D G Set Was Not Running
10	ESD-II Wharf - (415V, 500 KVA)	D G Set Was Not Running
11	BDC NMPA - (415V, 250 KVA)	D G Set Was Not Running

Details of Sampling at M/s New Mangalore Port Authority, Mangalore, Karnataka (April 2025)

S/N	Sample Description & Locations		Date of Sampling
(V)	STACK EMISSION - PUMP SETS		4
1	Fire Pump House No.1 (Berth No.10) - 450 HP -	- Monitor Pump	Pump Set Was Not Running
2	Fire Pump House No.1 (Berth No.10)- 700 HP		Pump Set Was Not Running
3	Fire Pump House No.2 (Berth No.11 and 12) -89	The state of the s	Pump Set Was Not Running
4	Fire Pump House No.2 (Berth No.11 and 12) -89		Pump Set Was Not Running
5	Fire Pump House No.2 (Berth No.11 and 12) -89	0 HP - Hydrant Pump	Pump Set Was Not Running
6	Fire Pump House No.2 (Berth No.11 and 12) -89		Pump Set Was Not Running
7	Fire Pump House No.3 (Berth No.13) -890 HP -		Pump Set Was Not Running
8	Fire Pump House No.3 (Berth No.13) -890 HP -	Monitor Pump No.2	Pump Set Was Not Running
9	Fire Pump House No.3 (Berth No.13) -890 HP -		Pump Set Was Not Running
10	Fire Pump House No.3 (Berth No.13) -600 HP -		Pump Set Was Not Running
11	Fire Pump House No.3 (Berth No.13) -600 HP -	Hydrant Pump No.2	Pump Set Was Not Running
12	Fire Pump House No.3 (Berth No.13) -600 HP -	Hydrant Pump No.3	Pump Set Was Not Running
13	Fire Pump House No.3 (Berth No.13) -600 HP -	Hydrant Pump No.4	Pump Set Was Not Running
14	Fire Pump House No.3 (Berth No.13) -600 HP -	Hydrant Pump No.5	Pump Set Was Not Running
15	Booster Pump House (Berth No.13) -52 HP - For	am Pump	Pump Set Was Not Running
16	Booster Pump House (Berth No.13) - 300 HP - E	Booster Pump	Pump Set Was Not Running
(VI)	MARINE WATER		
1	EDA - Eastern Dock Arm		10/04/2025
2	BL - Base Line (Upto 800m West)		10/04/2025
3	WDA - Western Dock Arm		10/04/2025
4	ODA - Oil Dock Arm (Diaphragm Jetty)		10/04/2025
5	LA - Lagoon Area (Turning Circle)		10/04/2025
(VII)	STP WATER		
1	Slop Reception Treatment Plant (Oil Separator) -	SRTP at Wharf	24/04/2025
2	1.2 MLD SBR Technology STP - Near KK Gate		24/04/2025

AMBIENT AIR

QUALITY MONITORING

REPORTS



(ONCE A MONTH - FIVE LOCATIONS)

- 1. US MALLYA GATE
- 2. OIL JETTY AREA NEAR IMC TERMINAL
- 3. OID COASTAL GUARD OFFICE/SJ GATE
- 4. YTMS PORT CONTROL
- 5. NMPA HOSPITAL



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TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways) Panambur, Mangalore – 575 010, Karnataka

Sample Description:

Ambient Air Quality Monitoring

Date of Monitoring:

09/04/2025

Sampling Frequency: Sampling Location:

Once in a month (Monthly)

U S Mallya Gate (Main Gate)

Date of Reporting:

Report No.

19/04/2025

AAL ENV-20250414059

Sampling Method:

IS:5182 (Part-14)-2000

Sampling Duration:

24:00 Hrs.

Sampling Done By:

AAL

TEST RESULT

S. No.	Test Parameters	Unit	Results	Limits as per NAAQS (Max.)	Test Methods	
1	Particulate Matter, PM 25	μg/m³	40.6	60	IS 5182(P-24)-2019	
2	Particulate Matter, PM 10	μg/m³	76.9	100	IS 5182(P-23)-2006	
3	Sulphur Dioxide (as SO ₂)	μg/m³	15.3	80	IS 5182(P-2/Sec-1)-2023	
4	Nitrogen Dioxide (as NO ₂)	μg/m³	30.7	80	IS 5182(P-6)-2006	
5	Carbon Monoxide (as CO)	mg/m³	0.81	02 (8 Hrs.)	IS 5182(P-10)-1999	
6	Ozone (as O ₃)	μg/m³	25.7	100 (8 Hrs.)	IS 5182(P-9)-1974	
7	Ammonia (as NH ₃)	μg/m³	BLQ (LOQ=20.0)	400	IS 5182(P-25)-2018	
8	Lead (as Pb)	μg/m³	BLQ (1.00-0 1)	01	AAL/SOP/ENV/008-202	
9	Nickel (as Ni)	ng/ m ³	BLQ (L002-1.0)	20	AAL/SOP/ENV/008-202	
10	Arsenic (as As)	ng/m³	BLQ (1.00,-1.0)	06	AAL/SOP/ENV/008-202	
11	Benzene (as C ₆ H ₆)	μg/m³	BLQ (LOQ-5.0)	05	AAL/SOP/ENV/019-202	
12	Banzo a-pyrene (BaP)	ng/m³	BLQ(100-10)	01	AAL/SOP/ENV/018-202	

Analyzed within seven days fro

End of Report*

TOSH SRIVASTAVA Deputy Technical Manager

Authorised Signatory

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Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Air Quality Monitoring

Date of Monitoring:

09/04/2025

Sampling Frequency:

Once in a month (Monthly)

Sampling Location:

Oil Jetty Area Near IMC Terminal

Date of Reporting:

Report No.

19/04/2025

AAL ENV-20250414060

Sampling Method:

IS:5182 (Part-14)-2000

Sampling Duration:

24:00 Hrs.

Sampling Done By:

AAL

TEST RESULT

S. No.	Test Parameters	Unit	Results	Limits as per NAAQS (Max.)	Test Methods	
1	Particulate Matter, PM 2.5	μg/m³	42.5	60	IS 5182(P-24)-2019	
2	Particulate Matter, PM 10	μg/m³	75.3	100	IS 5182(P-23)-2006	
3	Sulphur Dioxide (as SO ₂)	μg/m³	12.6	80	IS 5182(P-2/Sec-1)-2023	
4	Nitrogen Dioxide (as NO ₂)	μg/m³	24.9	80	IS 5182(P-6)-2006	
5	Carbon Monoxide (as CO)	mg/m³	0.84 02 (8 Hrs.)		IS 5182(P-10)-1999	
6	Ozone (as O ₃)	μg/m³	29.6	100 (8 Hrs.)	IS 5182(P-9)-1974	
7	Ammonia (as NH ₃)	μg/m³	BLQ (LOQ=20.0)	400	IS 5182(P-25)-2018	
8	Lead (as Pb)	μg/m³	BLQ (1.00=0.1)	01	AAL/SOP/ENV/008-202	
9	Nickel (as Ni)	ng/ m³	BLQ (LOQ=1.0)	20	AAL/SOP/ENV/008-202	
10	Arsenic (as As)	ng/m³	BLQ (LOQ-1.0)	06	AAL/SOP/ENV/008-202	
11	Benzene (as C ₆ H ₆)	μg/m³	BLQ (LOQ =5.0)	05	AAL/SOP/ENV/019-202	
12	Banzo a-pyrene (BaP)	ng/m³	BLQ (LOQ-1.0)	01	AAL/SOP/ENV/018-202	

LQ=Below Limit of Quantification, LOQ= Limit of Quantification Analyzed within seven days from the date of sa

*End of Report**



Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Air Quality Monitoring

Date of Monitoring:

10/04/2025

Sampling Frequency:

Once in a month (Monthly)

Sampling Location:

Old Coastal Guard Office/ SJ Gate

Date of Reporting:

19/04/2025

AAL ENV-20250414061

Sampling Method:

IS:5182 (Part-14)-2000

Sampling Duration:

24:00 Hrs.

Sampling Done By:

AAL

TEST RESULT

S. No.	Test Parameters	Unit	Results	Limits as per NAAQS (Max.)	Test Methods
1	Particulate Matter, PM 2.5	μg/m³	41.6	60	IS 5182(P-24)-2019
2	Particulate Matter, PM 10	μg/m³	68.5	100	IS 5182(P-23)-2006
3	Sulphur Dioxide (as SO ₂)	μg/m³	13.1	80	IS 5182(P-2/Sec-1)-2023
4	Nitrogen Dioxide (as NO ₂)	μg/m³	26.9	80	IS 5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m³	0.65	02 (8 Hrs.)	IS 5182(P-10)-1999
6	Ozone (as O ₃)	μg/m³	21.4	100 (8 Hrs.)	IS 5182(P-9)-1974
7	Ammonia (as NH ₃)	μg/m³	BLQ (LOQ=20.0)	400	IS 5182(P-25)-2018
8	Lead (as Pb)	μg/m³	BLQ (LOQ=0.1)	01	AAL/SOP/ENV/008-202
9	Nickel (as Ni)	ng/ m³	BLQ (LOQ =1,0)	20	AAL/SOP/ENV/008-202
10	Arsenic (as As)	ng/m³	BLQ (100 = 1.0)	06	AAL/SOP/ENV/008-202
11	Benzene (as C ₆ H ₆)	μg/m³	BLQ (1.0Q =5.0)	05	AAL/SOP/ENV/019-2022
12	Banzo a-pyrene (BaP)	ng/m³	BLQ (LOQ = 1.0)	01	AAL/SOP/ENV/018-2022

NAAQS=National Ambient Air Quality Standard BLQ=Below Limit of Quantification, EOQ= Limit of Quantification Sample Analyzed within seven days from the date of sampling.

End of Report



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Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Air Quality Monitoring

Date of Monitoring:

10/04/2025

Sampling Frequency:

Once in a month (Monthly)

Sampling Location:

VTMS Port Control

Report No.

Date of Reporting: 19/04/2025

AAL ENV-20250414062

Sampling Method:

IS:5182 (Part-14)-2000

Sampling Duration:

24:00 Hrs.

Sampling Done By:

AAL

TEST RESULT

8. No.	Test Parameters	Unit	Results	Limits as per NAAQS (Max.)	Test Methods	
1	Particulate Matter, PM 2.5	μg/m³	43.7	60	IS 5182(P-24)-2019	
2	Particulate Matter, PM 10	μg/m³	80.5	100	IS 5182(P-23)-2006	
3	Sulphur Dioxide (as SO ₂)	μg/m³	14.3	80	IS 5182(P-2/Sec-1)-2023	
4	Nitrogen Dioxide (as NO ₂)	μg/m³	26.9	80	IS 5182(P-6)-2006	
5	Carbon Monoxide (as CO)	mg/m³	0.75	02 (8 Hrs.)	IS 5182(P-10)-1999	
6	Ozone (as O ₃)	μg/m³	26.4	100 (8 Hrs.)	IS 5182(P-9)-1974	
7	Ammonia (as NH ₃)	μg/m³	BLQ (LOQ -20.0)	400	IS 5182(P-25)-2018	
8	Lead (as Pb)	μg/m³	BLQ (1.00 =0.1)	01	AAL/SOP/ENV/008-202	
9	Nickel (as Ni)	ng/ m ³	BLQ a.00=1.0)	20	AAL/SOP/ENV/008-202	
10	Arsenic (as As)	ng/m³	BLQ (£002-1.0)	06	AAL/SÓP/ENV/008-202	
11	Benzene (as C ₆ H ₆)	μg/m³	BLQ (1.0Q =5,0)	05	AAL/SOP/ENV/019-202	
12	Banzo a-pyrene (BaP)	ng/m³	BLQ(LOQ=LO)	01	AAL/SOP/ENV/018-2022	

NAAQS=National Ambient Air Quality Standard BLQ=Below Limit of Quantification, LOQ= Limit of Quantification Sample Analyzed within seven days from the date of sampling

End of Report



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TEST REPORT

Page 1 of 1

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Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Air Quality Monitoring

Date of Monitoring:

14/04/2025

Sampling Frequency:

Once in a month (Monthly)

Sampling Location:

NMPA Hospital

Date of Reporting:

Report No.

22/04/2025

AAL ENV-20250417076

Sampling Method:

IS:5182 (Part-14)-2000

Sampling Duration:

24:00 Hrs.

Sampling Done By:

AAL

TEST RESULT

S. No.	Test Parameters	Unit	Results	Limits as per NAAQS (Max.)	Test Methods
1	Particulate Matter, PM 2.5	μg/m³	36.5	60	IS 5182(P-24)-2019
2	Particulate Matter, PM 10	μg/m³	65.4	100	IS 5182(P-23)-2006
3	Sulphur Dioxide (as SO ₂)	μg/m³	12.8	80	IS 5182(P-2/Sec-1)-2023
4	Nitrogen Dioxide (as NO ₂)	μg/m³	20.9	80	IS 5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m³	0.72	02 (8 Hrs.)	IS 5182(P-10)-1999
6	Ozone (as O ₃)	μg/m³	27.7	100 (8 Hrs.)	IS 5182(P-9)-1974
7	Ammonia (as NH ₃)	μg/m³	BLQ (LOQ=20.0)	400	IS 5182(P-25)-2018
8	Lead (as Pb)	μg/m³	BLQ (1.00(-0.1)	01	AAL/SOP/ENV/008-202
9	Nickel (as Ni)	ng/ m³	BLQ (Log-1.0)	20	AAL/SOP/ENV/008-202
10	Arsenic (as As)	ng/m³	BLQ (LOQ-10)	06	AAL/SOP/ENV/008-202
11	Benzene (as C ₆ H ₆)	μg/m³	BLQ (LoQ -5.0)	05	AAL/SOP/ENV/019-202
12	Banzo a-pyrene (BaP)	ng/m³	BLQ (LOQ=10)	01	AAL/SOP/ENV/018-202

BLQ=Below Limit of Quantification, LOQ= Limit of Quantification

*End of Report**



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AMBIENT AIR

QUALITY MONITORING

REPORTS



(TWIC A WEEK - THREE LOCATIONS)

- 1. SCANNER YARD
- 2. RAILWAY YARD
- 3. KK GATE



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Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Air Quality Monitoring

Sampling Frequency: Sampling Location:

Scanner Yard

Twice a Week (Monthly)

06/05/2025

AAL ENV-20250501021

Date of Reporting: Sampling Method:

IS:5182 (Part-14)-2000

Sampling Duration:

24:00 Hrs

Sampling Done By:

AAL.

TEST RESULT

	Parameters→ of Sampling↓	PM _{2.5} (μg/m ³)	PM ₁₀ (μg/m ³)	SO ₂ (μg/m³)	NO ₂ (μg/m³)	CO (mg/m³)	Ο ₃ (μg/m³)	NH ₃ (μg/m ³)	Pb (μg/m³)	As (ng/m³)	Ni (ng/m³)	C ₆ H ₆ (μg/m ³)	B(a)P (ng/m³)
1	03/04/2025	45.7	72.8	13.7	28.3	0.85	30.8	BLQ (LOQ=20.0)	BLQ (LOQ=0.1)	BLQ (1.0Q-1.0)	BLQ (LOQ-1.0)	BLQ (LOQ=5.0)	BLQ (LOQ-L0)
2	07/04/2025	42.4	69.9	14.5	26.7	0.78	26.2	BLQ (LOQ=20.0)	BLQ (LOQ=01)	BLQ (LOQ-1,0)	BLQ (LOQ-1.0)	BLQ (LOQ=5.0)	BLQ (LOQ=1.0)
3	10/04/2025	40.8	71.3	10.9	24.7	0.65	28.2	BLQ (LOQ-20.0)	BLQ (LOQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ-1.0)	BLQ (LOQ-5.0)	BLQ (LOQ-10)
4	14/04/2025	44.7	68.3	15.2	28.4	0.86	24.7	BLQ (LOQ=20.0)	BLQ (LOQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ=1.0)	BLQ (LOQ=5.0)	BLQ (LOQ=1.0)
5	17/04/2025	48.1	76.5	16.7	26.2	0.65	30.4	BLQ (LOQ=20.0)	BLQ (LOQ=0.1)	BLQ (LOQ=L0)	BLQ (LOQ-1.0)	BLQ (LOQ=5.0)	BLQ (LOQ=1.0)
6	21/04/2025	41.8	79.4	15.2	28.3	0.82	30.7	BLQ (1.0Q=20.0)	BLQ (LOQ=0.1)	BLQ (LOQ-1.0)	BLQ (LOQ-1.0)	BLQ (LOQ=5.0)	BLQ (LOQ-1.0)
7	24/04/2025	46.7	80.5	18.4	26.9	0.74	26.3	BLQ (LOQ=20.0)	BLQ (LOQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ-10)	BLQ (LOQ=5.0)	BLQ (LOQ=1.0)
8	28/04/2025	49.2	82.9	13.9	23.2	0.79	28.1	BLQ (LOQ-20.0)	BLQ (LÓQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ=1.0)	BLQ (LOQ-5.0)	BLQ (LOQ-1.0)
NAA	Q Standard	60	100	80	80	2	100	400	8	6	20	5	1
	Methods	IS 5182 (P-24) 2019	IS 5182 (P-23) 2006	IS 5182 (P-2/ Sec-1) 2023	IS 5182 (P-6) 2006	IS 5182 (P-10) 1999	IS 5182 (P-9) 1974	1S 5182 (P-25) 2018	AAL/SO P/ENV/0 08-2023	AAL/SO P/ENV/0 08-2023	AAL/SO P/ENV/0 08-2023	AAL/SOP /ENV/019 -2022	AAL/SOP/ ENV/018- 2022
BLQ=Ba LOQ=Li	National Ambient Air Quelow Limit of Quantification imit of Quantification Analyzed within seven days.	ι, ΄	pling.				Table 1						
	and year within seven days	mon the trace of san	iping.		**1	End of Repo) P#**	<u> </u>			<u> </u>		



Authorised Signatory

The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred not implied.

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This report shall not be used in any advertising media or as evidence in the court of law without prior written consent of the laboratory.

The non-perishable sample received shall be destroyed after one month and perishable sample shall be destroyed after one week from the date of issue of report unless specified.



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272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonepat-131028 (Haryana) Ph.: 7082301442, 9250014551 Email: aalkundli@gmail.com

Website: www.aalkundli.com

TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Air Quality Monitoring

Sampling Frequency: Sampling Location:

Twice a Week (Monthly)

Railway Yard

Date of Reporting:

Report No.

06/05/2025

AAL ENV-20250501022

Sampling Method:

IS:5182 (Part-14)-2000

Sampling Duration:

24:00 Hrs

Sampling Done By:

AAL

TEST RESULT

Parameters→ of Sampling↓	PM _{2.5} PM ₁₀ (μg/m ³)		SO ₂ (μg/m³)	NO ₂ (μg/m ³)	(mg/m³)	Ο ₃ (μg/m³)	NH ₃ (μg/m ³)	Pb (μg/m³)	As (ng/m³)	Ni (ng/m³)	C ₆ H ₆ (μg/m ³)	B(a)P (ng/m³)
03/04/2025	42.7	83.9	14.5	30.3	0.65	26.4	BLQ (LOQ=20.0)	BLQ (LOQ=0.1)	BLQ (Loq-1.0)	BLQ (1.0Q-1.0)	BLQ (LOQ=5.0)	BLQ (LOQ=1,0)
07/04/2025	45,1	78.5	12.9	25.8	0.69	25.2	BLQ (LOQ=20.0)	BLQ (LOQ=0.1)	BLQ (LOQ-1.0)	BLQ (LOQ=1.0)	BLQ (LOQ-5.0)	BLQ (LOQ=1.0)
10/04/2025	44.3	81.8	16.7	28.1	0.81	28.9	BLQ (LOQ=20.0)	BLQ (1.0Q=0.1)	BLQ (LOQ=1.0)	BLQ (1.0Q-1.0)	BLQ (LOQ=5.0)	BLQ (LOQ=1.0)
14/04/2025	46.2	85.3	11.4	29.6	0.75	26.1	BLQ (LOQ-20.0)	BLQ (LOQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ=1.0)	BLQ (LOQ=5.0)	BLQ (LOQ=1.0)
17/04/2025	43.7	76.2	12.8	25.3	0.85	28.4	BLQ (LOQ-20.0)	BLQ (LOQ-0.1)	BLQ (LOQ-1.0)	BLQ (LOQ=1.0)	BLQ (LOQ-5.0)	BLQ (LOQ-1.0)
21/04/2025	40.2	74.5	14.1	27.4	0.78	26.9	BLQ (LOQ-20.0)	BLQ (LOQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ=1.0)	BLQ (LOQ-5.0)	BLQ (LOQ-1.0)
24/04/2025	41.9	80.3	12.2	24.5	0.75	23.6	BLQ (LOQ=20 0)	BLQ (LOQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ=1.0)	BLQ (LOQ=5.0)	BLQ (LOQ=1.0)
28/04/2025	44.3	78.9	15.4	26.8	0.72	25.3	BLQ (LOQ-20.0)	BLQ (LOQ-0.1)	BLQ (LOQ=1.0)	BLQ (LOQ=1.0)	BLQ (LOQ=5.0)	BLQ (LOQ-1.0)
AQ Standard	60	100	-80	80	2	100	400	1	6	20	5	1
Methods	IS 5182 (P-24) 2019	IS 5182 (P-23) 2006	IS 5182 (P-2/ Sec-1) 2023	IS 5182 (P-6) 2006	IS 5182 (P-10) 1999	IS 5182 (P-9) 1974	IS 5182 (P-25) 2018	AAL/SO P/ENV/0 08-2023	AAL/SO P/ENV/0 08-2023	AAL/SO P/ENV/0 08-2023	AAL/SOP /ENV/019 -2022	AAL/SOP/ ENV/018- 2022
selow Limit of Quantification limit of Quantification	1,	npling.										
	of Sampling↓ 03/04/2025 07/04/2025 10/04/2025 14/04/2025 17/04/2025 21/04/2025 24/04/2025 28/04/2025 Q Standard Methods Se National Ambient Air Qualification mint of Quantification	of Sampling↓ (μg/m³) 03/04/2025 42.7 07/04/2025 45.1 10/04/2025 44.3 14/04/2025 46.2 17/04/2025 43.7 21/04/2025 40.2 24/04/2025 41.9 28/04/2025 44.3 Q Standard 60 Methods IS 5182 (P-24) 2019 □ National Ambient Air Quality Standard, clow Limit of Quantification, mint of Quantification, mint of Quantification	of Sampling↓ (μg/m³) (μg/m³) 03/04/2025 42.7 83.9 07/04/2025 45.1 78.5 10/04/2025 44.3 81.8 14/04/2025 46.2 85.3 17/04/2025 43.7 76.2 21/04/2025 40.2 74.5 24/04/2025 41.9 80.3 28/04/2025 44.3 78.9 Q Standard 60 100 Methods IS 5182 (P-24) (P-23) 2019 2006 S- National Ambient Air Quality Standard, elsow Limit of Quantification.	of Sampling↓ (μg/m³) (μg/m³) (μg/m³) 03/04/2025 42.7 83.9 14.5 07/04/2025 45.1 78.5 12.9 10/04/2025 44.3 81.8 16.7 14/04/2025 46.2 85.3 11.4 17/04/2025 43.7 76.2 12.8 21/04/2025 40.2 74.5 14.1 24/04/2025 41.9 80.3 12.2 28/04/2025 44.3 78.9 15.4 Q Standard 60 100 80 Methods IS 5182 (P-24) (P-23) (P-2/2019 2006 Sec-1) 2023 □ National Ambient Air Quality Standard, dignost of the control of the cont	of Sampling↓ (μg/m³) (μg/m³) (μg/m³) (μg/m³) (μg/m³) 03/04/2025 42.7 83.9 14.5 30.3 07/04/2025 45.1 78.5 12.9 25.8 10/04/2025 44.3 81.8 16.7 28.1 14/04/2025 46.2 85.3 11.4 29.6 17/04/2025 43.7 76.2 12.8 25.3 21/04/2025 40.2 74.5 14.1 27.4 24/04/2025 41.9 80.3 12.2 24.5 28/04/2025 44.3 78.9 15.4 26.8 Q Standard 60 100 80 80 Methods IS 5182 (P-24) (P-23) (P-2) (P-2) (P-6) 2006 (P-6) 200	of Sampling↓ (μg/m³) (μg/m³) (μg/m³) (μg/m³) (μg/m³) (μg/m³) 03/04/2025 42.7 83.9 14.5 30.3 0.65 07/04/2025 45.1 78.5 12.9 25.8 0.69 10/04/2025 44.3 81.8 16.7 28.1 0.81 14/04/2025 46.2 85.3 11.4 29.6 0.75 17/04/2025 43.7 76.2 12.8 25.3 0.85 21/04/2025 40.2 74.5 14.1 27.4 0.78 24/04/2025 41.9 80.3 12.2 24.5 0.75 28/04/2025 44.3 78.9 15.4 26.8 0.72 Q Standard 60 100 80 80 2 Methods IS 5182 (P-24) (P-23) (P-2/ (P-6) (P-10) 2006 2023 - National Ambient Air Quality Standard, eliow Limit of Quantification interesting and of the property of the p	of Sampling↓ (μg/m³) (μg/m³)	of Sampling↓ (μg/m³) (μg/m³)	of Sampling↓ (µg/m³) (µg/m³)	of Sampling↓ (µg/m³) (µg/m³)	of Sampling	of Sampling (µg/m³) (µ

JTOSH SRIVASTAVA Deputy Technical Manager Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Air Quality Monitoring

Sampling Frequency:

Twice a Week (Monthly)

Sampling Location:

KK Gate

Report No. AAL ENV-20250501023

Date of Reporting:

06/05/2025

Sampling Method:

IS:5182 (Part-14)-2000

Sampling Duration:

24:00 Hrs

Sampling Done By:

AAL

TEST RESULT

	Parameters→ of Sampling↓	PM _{2.5} (μg/m ³)	PM ₁₀ (μg/m ³)	SO ₂ (μg/m ³)	NO ₂ (μg/m³)	CO (mg/m³)	Ο ₃ (μg/m³)	NH ₃ (μg/m ³)	Pb (μg/m³)	As (ng/m³)	Ni (ng/m³)	C ₆ H ₆ (μg/m³)	B(a)P (ng/m³)
1	03/04/2025	43.8	87.2	18.5	27.3	0.85	30.2	BLQ (LOQ=20.0)	BLQ (LOQ-0.1)	BLQ (LOQ-1,0)	BLQ (LOQ=1.0)	BLQ (LOQ=5.0)	BLQ (LOQ-1.0)
2	07/04/2025	46.7	84.3	14.8	25.3	0.76	26.7	BLQ (LOQ=29.0)	BLQ (LOQ=0.1)	BLQ (LOQ-1.0)	BLQ (LOQ=1.0)	BLQ (LOQ-5.0)	BLQ (LOQ=1.0)
3	10/04/2025	49.5	89.7	16.2	25.1	0.92	31.4	BLQ (LOQ=20.0)	BLQ (LOQ=0,1)	BLQ (LOQ=1.0)	BLQ (LOQ=10)	BLQ (LOQ=5 0)	BLQ (LOQ=1.0)
4	14/04/2025	52.1	86.5	15,4	26.9	0.82	28.6	BLQ (LOQ-20.0)	BLQ (LOQ=0.1)	BLQ (LOQ-1.0)	BLQ (LOQ=1.0)	BLQ (LOQ-5.0)	BLQ (LOQ=1.0)
5	17/04/2025	45.8	82.6	13.8	32.6	0.95	25.9	BLQ (LOQ-20.0)	BLQ (LOQ-0.1)	BLQ (LOQ-1.0)	BLQ (LOQ-1.0)	BLQ (LOQ=5.0)	BLQ (LOQ=1.0)
6	21/04/2025	50.3	91,4	17.7	30.1	0.86	27.4	BLQ (LOQ=20.0)	BLQ (LOQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ-1.0)	BLQ (LOQ=5.0)	BLQ (LOQ=1.0)
7	24/04/2025	41.9	82.5	19.2	28.7	0.91	34.5	BLQ (LOQ=20.0)	BLQ (LOQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ=1.0)	BLQ (LOQ-5.0)	BLQ (LOQ=1.0)
8	28/04/2025	47.6	78.9	14.5	30.2	0.85	29.1	BLQ (LOQ=20.0)	BLQ (LOQ=0.1)	BLQ (LOQ=1.0)	BLQ (LOQ-10)	BLQ (LOQ-5.0)	BLQ (LOQ=1,0)
NAA	AQ Standard	60	100	80	80	2	100	400	(3)	6	20	5	1
	Methods	IS 5182 (P-24) 2019	IS 5182 (P-23) 2006	IS 5182 (P-2/ Sec-1) 2023	IS 5182 (P-6) 2006	IS 5182 (P-10) 1999	IS 5182 (P-9) 1974	IS 5182 (P-25) 2018	AAL/SO P/ENV/0 08-2023	AAL/SO P/ENV/0 08-2023	AAL/SO P/ENV/0 08-2023	AAL/SOP /ENV/019 -2022	AAL/SOP/ ENV/018- 2022
BLQ-B LOQ-L	5 - National Ambient Air Qu delow Limit of Quantification Amalyzed within seven days	n,	npling										
					**	End of Rep	ort**	A	L.,	L	ł	J	



Authorised Signatory

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AMBIENT NOISE

QUALITY MONITORING

REPORTS



(ONCE A MONTH - SIX LOCATIONS)

- 1. US MALLYA GATE (MAIN GATE)
- 2. WHARF BERTH (INSIDE)
- 3. ADMINISTRATION OFFICE COLONY
- 4. JNC HALL IN THE PORT COLONY
- 5. CONTAINER YARD
- 6. WHARF CANTEEN



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272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonepat-131028 (Haryana) Ph.: 7082301442, 9250014551 Email: aalkundli@gmail.com

Website: www.aalkundli.com

TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Noise

Date of Monitoring:

21/04/2025

Sampling Duration: Sampling Location: 24:00 Hrs.

US Mallya Gate (Main Gate)

Report No.

AAL ENV-20250424005

Date of Receiving:

24/04/2025

Date of Starting:

24/04/2025

Date of Completion:

28/04/2025

Date of Reporting:

28/04/2025

Sampling Done By:

AAL

TEST RESULTS

S. No.	Test Parameter	Unit	Results		(as per	Requirement CPCB Guidelines)	
			MA	_Y	Limi	its in dB(A) Leq.	
1	Noise Level		AN	Area Code	Category of Area / Zone	Day Time (6AM-10PM)	Night Time (10PM-6AM)
	Leq-Day	dB(A)	62.5	(A)	Industrial Area	75	70
		12/	1	(B)	Commercial Area	65	55
	Leq-Night	dB(A)	51.2	(C)	Residential Area	55	45
				(D)	Silence Zone	50	40
			End of I	Penort			



Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Noise

Date of Monitoring:

22/04/2025

Sampling Duration:

24:00 Hrs.

Sampling Location:

Wharf Berth (Inside)

Report No.

AAL ENV-20250424006

Date of Receiving:

24/04/2025

Date of Starting:

24/04/2025

Date of Completion:

28/04/2025

Date of Reporting:

28/04/2025

Sampling Done By:

AAL

TEST RESULTS

S. No.	Test Parameter	Unit	Results			Requirement r CPCB Guidelines)	
			MA	LYII		iits in dB(A) Leq.	
1	Noise Level	1	All	Area Code	Category of Area / Zone	Day Time (6AM-10PM)	Night Time (10PM-6AM)
	Leq-Day	dB(A)	57.4	(A)	Industrial Area	75	70
		12/	1	(B)	Commercial Area	65	55
	Leq-Night	dB(A)	45.8	(C)	Residential Area	55	45
				(D)	Silence Zone	50	40
			End of	Report	/2		



Authorised Signatory

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 The Result Indicated above feler to the tested sample and insteat test parameters only, endorsement of products is neither interest not impleed.
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TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Noise

Date of Monitoring:

24/04/2025

Sampling Duration:

24:00 Hrs.

Sampling Location:

Administrative Office Building

Report No.

AAL ENV-20250428051

Date of Receiving:

28/04/2025

Date of Starting:

28/04/2025

Date of Completion:

30/04/2025

Date of Reporting:

30/04/2025

Sampling Done By:

AAL

TEST RESULTS

S. No.	Test Parameter	Unit	Results			Requirement	
			ALA	LYT	(as per	CPCB Guidelines) its in dB(A) Leq.	
1	Noise Level		ANA	Area Code	Category of Area / Zone	Day Time (6AM-10PM)	Night Time (10PM-6AM)
			- The state of the	2000	Zione	(OANT-TOT IVI)	(TOPINI-OAINI)
	Leq-Day	dB(A)	56.4	(A)	Industrial Area	75	70
			11		1.00		
				(B)	Commercial Area	65	55
				-			
	Leq-Night	dB(A)	46.3	(C)	Residential Area	55	45
				(D)	Silence Zone	50	40
			V222 2 2	034			



ASHUTOSH SRIVASTAVA Deputy Technical Manager

Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Noise

Date of Monitoring:

25/04/2025

Sampling Duration:

24:00 Hrs.

Sampling Location:

JNC Hall in the Port Colony

Report No.

AAL ENV-20250428052

Date of Receiving:

28/04/2025

Date of Starting:

28/04/2025

Date of Completion:

30/04/2025

Date of Reporting:

30/04/2025

Sampling Done By:

AAL

TEST RESULTS

S. No.	Test Parameter	Unit	Results	100		Requirement	
			NA	LYTI	(as per Lim	CPCB Guidelines) its in dB(A) Leq.	
1	Noise Level		AN	Area Code	Category of Area / Zone	Day Time (6AM-10PM)	Night Time (10PM-6AM)
	Leq-Day	dB(A)	55.8	(A)	Industrial Area	75	70
		12/	1	(B)	Commercial Area	65	55
	Leq-Night	dB(A)	46.3	(C)	Residential Area	55	45
				(D)	Silence Zone	50	40

End of Report

ASHUTOSH SRIVASTAVA Deputy Technical Manager

Authorised Signatory

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TEST REPORT

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Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Noise

Date of Monitoring:

28/04/2025

Sampling Duration:

24:00 Hrs.

Sampling Location:

Container Yard

Report No.

AAL ENV-20250501024

Date of Receiving:

01/05/2025

Date of Starting:

01/05/2025

Date of Completion:

Date of Reporting:

05/05/2025 05/05/2025

Sampling Done By:

AAL

TEST RESULTS

S. No.	Test Parameter	Unit	Results	Salar		Requirement	
			MA	LYT	(as per Lim	CPCB Guidelines) its in dB(A) Leq.	
1	Noise Level		Alex	Area Code	Category of Area / Zone	Day Time (6AM-10PM)	Night Time (10PM-6AM)
	Leq-Day	dB(A)	63.2	(A)	Industrial Area	75	70
		12/	1	(B)	Commercial Area	65	55
	Leq-Night	dB(A)	54.9	(C)	Residential Area	55	45
				(D)	Silence Zone	50	40

**End of Report*

ASHUTOSH SRIVASTAVA Deputy Technical Manager

Authorised Signatory

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Website: www.aalkundli.com

TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Ambient Noise

Date of Monitoring: Sampling Duration: 25/04/2025 29:00 Hrs.

Sampling Location:

Wharf Canteen

Report No.

AAL ENV-20250501025

Date of Receiving:

01/05/2025

Date of Starting:

01/05/2025

Date of Completion:

05/05/2025

Date of Reporting:

05/05/2025

Sampling Done By:

AAL

TEST RESULTS

S. No.	Test Parameter	Unit	Results	111		Requirement	
			MAI	YTI		CPCB Guidelines) its in dB(A) Leq.	
1	Noise Level		Alvin	Area Code	Category of Area / Zone	Day Time (6AM-10PM)	Night Time (10PM-6AM)
	Leq-Day	dB(A)	58.6	(A)	Industrial Area	75	70
		10/	1	(B)	Commercial Area	65	55
	Leq-Night	dB(A)	47.3	(C)	Residential Area	55	45
				(D)	Silence Zone	50	40
			End of I	Report	12		

ASHUTOSH SRIVASTAVA Deputy Technical Manager

Authorised Signatory

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MARINE WATER

REPORTS



(ONCE A MONTH - FIVE LOCATIONS)

- 1. EDA-EASTERN DOCK ARM
- 2. BL-BASE LINE (UPTO 800M WEST)
- 3. WDA-WSTERN DOCK ARM
- 4. ODA-OIL DOCK ARM (DIAPHARAGM JETTY)
- 5. LA-LAGOON AREA (TURNING CIRCLE)



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Website: www.aalkundli.com

TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Water Sample (Marine Water)

Sample Collection Date:

10/04/2025

Sample Location:

EDA - Eastern Dock Arm

Report No.

AAL WQT-20250414012

Date of Receiving:

14/04/2025

Date of Starting: Date of Completion:

14/04/2025

Date of Reporting:

21/04/2025 21/04/2025

Sample Quantity:

2 Litre

Sample Packing Condition:

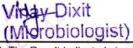
Sealed Packed Bottle

Sample Collected By:

AAL

Charles Course	BREEZENET.	
TEST	RESU	L

S. No.	Test Parameters	Unit	Results	Test Methods
1	pH Value		8.36	IS 3025(P-11)-2022
2	Total Suspended Solids	mg/l	BLQ(LOQ=2.0)	IS 3025(P-17)-2022
3	Total Dissolved Solids	mg/l	28522.0	IS 3025 (P-16)-2023
4	Turbidity	NTU	3.2	IS 3025(P-10)-2023
5	Nitrate (as NO ₃)	mg/l	1.95	IS 3025(P-34/Sec-1)-2023
6	Magnesium (as Mg)	mg/l	1166.0	IS 3025(P-2)-2019
7	Sulphate (as SO ₄)	mg/l	682.0	IS 3025(P-24/Sec-1)-2022
8	Oil & Grease	mg/l	BLQ(LOQ-2.0)	IS 3025(P-39)-2021
9	Dissolved Oxygen (DO)	mg/l	6.4	IS 3025 (P-38)-1989
10	Iron (as Fe)	mg/l	0.31	IS 3025(P-2)-2019
11	Calcium (as Ca)	mg/I	584.0	IS 3025(P-2)-2019
12	Sodium (a Na)	mg/l	7244.0	IS 3025(P-2)-2019
13	Potassium (as K)	mg/l	302.0	IS 3025(P-2)-2019
14	Nitrite (as NO ₂)	mg/l	BLQ(LOQ=0.005)	
15	Phosphate (as P)	mg/l	BLQ(Log=0.02)	IS 3025(P-34/Sec-1)-2023
16	Silica (as SiO ₂)	mg/l O S	BLQ(LOQ=0.02)	IS 3025(P-31/Sec-1)-2022
17	Total Solids	mg/l	28522.0	IS 3025(P-35)-1988
18	Total Nitrogen (as N)	mg/l		IS 3025(P-15)-1984
	-	, 1877 , 1874 .	BLQ(LOQ=1,0)	IS 3025(P-34/Sec-1)-2023
19	Organic Nitrogen (as N)	mg/l	BLQ(L0Q=1.0)	IS 3025(P-34/Sec-1)-2023
20	Faecal Coliform	MPN/100ml	<2.0	IS:1622-1981
	BLQ=Below Limit of Quantification, LOQ-Limit of Quantifica-	tion		



OSH SRIVASTAVA Deputy Technical Manager

Authorised Signatory

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^{**}End of Report*



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TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Water Sample (Marine Water)

Sample Collection Date:

10/04/2025

Sample Location:

BL - Base Line (Upto 800m West)

Report No.

AAL WQT-20250414013

Date of Receiving:

14/04/2025

Date of Starting:

14/04/2025

Date of Completion:

21/04/2025

Date of Reporting: Sample Quantity:

21/04/2025 2 Litre

Sample Packing Condition:

Sealed Packed Bottle

Sample Collected By:

AAL

TEST RESULT	TEST	RESI	LT
-------------	------	------	----

S. No.	Test Parameters	Unit	Results	Test Methods
1	pH Value		8.38	IS 3025(P-11)-2022
2	Total Suspended Solids	mg/l	BLQ(LOQ=2.0)	IS 3025(P-17)-2022
3	Total Dissolved Solids	mg/l	27520.0	IS 3025 (P-16)-2023
4	Turbidity	NTU	2.7	IS 3025(P-10)-2023
5	Nitrate (as NO ₃)	mg/l	BLQ(LoQ=1.0)	IS 3025(P-34/Sec-1)-2023
6	Magnesium (as Mg)	mg/l	1076.0	IS 3025(P-2)-2019
7	Sulphate (as SO ₄)	mg/l	653.0	IS 3025(P-24/Sec-1)-2022
8	Oil & Grease	mg/l	BLQ(Loq=2.0)	IS 3025(P-39)-2021
9	Dissolved Oxygen (DO)	mg/l	6.2	IS 3025 (P-38)-1989
10	Iron (as Fe)	mg/l	0.25	IS 3025(P-2)-2019
11	Calcium (as Ca)	mg/l	512.0	IS 3025(P-2)-2019
12	Sodium (a Na)	mg/l	6932.0	IS 3025(P-2)-2019
13	Potassium (as K)	mg/l	295.0	IS 3025(P-2)-2019
14	Nitrite (as NO ₂)	mg/I	BLQ(LOQ=0.005)	IS 3025(P-34/Sec-1)-2023
15	Phosphate (as P)	mg/l	BLQ(LOQ-0.02)	IS 3025(P-31/Sec-1)-2022
16	Silica (as SiO ₂)	mg/l	BLQ(L0Q=0.02)	IS 3025(P-35)-1988
17	Total Solids	mg/l	27520.0	IS 3025(P-15)-1984
18	Total Nitrogen (as N)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
19	Organic Nitrogen (as N)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
20	Faecal Coliform	MPN/100ml	<2.0	IS:1622-1981
	BLQ=Below Limit of Quantification, LOQ=Limit of Quantification			and the state of t

End of Report*



UTOSH SRIVASTAVA Deputy Technical Manager Authorised Signatory

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Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Water Sample (Marine Water)

Sample Collection Date:

10/04/2025

Sample Location:

WDA - Western Dock Arm

Report No.

AAL WQT-20250414014

Date of Receiving:

14/04/2025 14/04/2025

Date of Starting: Date of Completion:

21/04/2025

Date of Reporting: Sample Quantity:

21/04/2025 2 Litre

Sample Packing Condition:

Sealed Packed Bottle

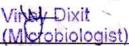
Sample Collected By:

AAL

TEST	RESUL	Т
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S. No.	Test Parameters	Unit	Results	Test Methods
1	pH Value	- In the	8.30	IS 3025(P-11)-2022
2	Total Suspended Solids	mg/l	BLQ(LOQ-2.0)	IS 3025(P-17)-2022
3	Total Dissolved Solids	mg/l	27836.0	IS 3025 (P-16)-2023
4	Turbidity	NTU	2.9	IS 3025(P-10)-2023
5	Nitrate (as NO ₃)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
6	Magnesium (as Mg)	mg/l	1098.0	IS 3025(P-2)-2019
7	Sulphate (as SO ₄)	mg/l	662.0	IS 3025(P-24/Sec-1)-2022
8	Oil & Grease	mg/l	BLQ(LOQ=2.0)	IS 3025(P-39)-2021
9	Dissolved Oxygen (DO)	mg/l	6.4	IS 3025 (P-38)-1989
10	Iron (as Fe)	mg/l	0.27	IS 3025(P-2)-2019
11	Calcium (as Ca)	mg/l	529.0	IS 3025(P-2)-2019
12	Sodium (a Na)	mg/I	7032.0	IS 3025(P-2)-2019
13	Potassium (as K)	mg/l	298.0	IS 3025(P-2)-2019
14	Nitrite (as NO ₂)	mg/l	BLQ(LOQ=0.005)	IS 3025(P-34/Sec-1)-2023
15	Phosphate (as P)	mg/l	BLQ(LOQ-0.02)	IS 3025(P-31/Sec-1)-2022
16	Silica (as SiO ₂)	mg/l	BLQ(LOQ=0.02)	IS 3025(P-35)-1988
17	Total Solids	mg/l	27836.0	IS 3025(P-15)-1984
18	Total Nitrogen (as N)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
19	Organic Nitrogen (as N)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
20	Faecal Coliform	MPN/100ml	<2.0	IS:1622-1981
	BLQ=Below Limit of Quantification, LOQ=Limit of Quantific	ication	D101	10.1022-1901

End of Report



JTOSH SRIVASTAVA **Deputy Technical Manager**

Authorised Signatory

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TEST REPORT

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Issued To:

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Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Water Sample (Marine Water)

Sample Collection Date:

10/04/2025

Sample Location:

ODA - Oil Dock Arm (Diaphragm Jetty)

Report No.

AAL WQT-20250414015

Date of Receiving:

14/04/2025

Date of Starting: Date of Completion: 14/04/2025 21/04/2025

Date of Reporting:

21/04/2025

Sample Quantity:

2 Litre

Sample Packing Condition:

Sealed Packed Bottle

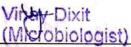
Sample Collected By:

AAL

TEST RESULT

S. No.	Test Parameters	Unit	Results	Test Methods
1	pH Value	- 14	8.26	IS 3025(P-11)-2022
2	Total Suspended Solids	mg/l	BLQ(LOQ=2.0)	IS 3025(P-17)-2022
3	Total Dissolved Solids	mg/l	29042.0	IS 3025 (P-16)-2023
4	Turbidity	NTU	3.7	IS 3025(P-10)-2023
5	Nitrate (as NO ₃)	mg/l	BLQ(LoQ=1.0)	IS 3025(P-34/Sec-1)-2023
6	Magnesium (as Mg)	mg/l	1327.0	IS 3025(P-2)-2019
7	Sulphate (as SO ₄)	mg/l	857.0	IS 3025(P-24/Sec-1)-2022
8	Oil & Grease	mg/l	BLQ(LOQ-2.0)	IS 3025(P-39)-2021
9	Dissolved Oxygen (DO)	mg/l	6.7	IS 3025 (P-38)-1989
10	Iron (as Fe)	mg/l	0.29	IS 3025(P-2)-2019
11	Calcium (as Ca)	mg/l	492.0	IS 3025(P-2)-2019
12	Sodium (a Na)	mg/l	7428.0	IS 3025(P-2)-2019
13	Potassium (as K)	mg/l	382.0	IS 3025(P-2)-2019
14	Nitrite (as NO ₂)	mg/l	BLQ(LOQ=0.005)	IS 3025(P-34/Sec-1)-2023
15	Phosphate (as P)	mg/l	BLQ(L0Q=0.02)	IS 3025(P-31/Sec-1)-2022
16	Silica (as SiO ₂)	mg/l	BLQ(LOQ=0.02)	IS 3025(P-35)-1988
17	Total Solids	mg/l	29042.0	IS 3025(P-15)-1984
18	Total Nitrogen (as N)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
19	Organic Nitrogen (as N)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
20	Faccal Coliform	MPN/100ml	<2.0	IS:1622-1981
	BLQ=Below Limit of Quantification, LOQ=Limit of Quantification			

^{*}End of Report**



UTOSH SRIVASTAVA Deputy Technical Manager

Authorised Signatory

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TEST REPORT

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Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Water Sample (Marine Water)

Sample Collection Date:

10/04/2025

Sample Location:

LA - Lagoon Area (Turning Circle)

Report No.

AAL WQT-20250414016

Date of Receiving:

14/04/2025

Date of Starting: Date of Completion: 14/04/2025

Date of Reporting:

21/04/2025

21/04/2025 2 Litre

Sample Quantity: Sample Packing Condition:

Scaled Packed Bottle

Sample Collected By:

AAL

TEST	RESULT	L

S. No.	Test Parameters	Unit	Results	Test Methods
1	pH Value	1.11	8.30	IS 3025(P-11)-2022
2	Total Suspended Solids	mg/l	BLQ(Loq-2.0)	IS 3025(P-17)-2022
3	Total Dissolved Solids	mg/l	29524.0	IS 3025 (P-16)-2023
4	Turbidity	NTU	3.9	IS 3025(P-10)-2023
5	Nitrate (as NO ₃)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
6	Magnesium (as Mg)	mg/l	1398.0	IS 3025(P-2)-2019
7	Sulphate (as SO ₄)	mg/l	882.0	IS 3025(P-24/Sec-1)-2022
8	Oil & Grease	mg/l	BLQ(Loq=2.0)	IS 3025(P-39)-2021
9	Dissolved Oxygen (DO)	mg/l	6.8	IS 3025 (P-38)-1989
10	Iron (as Fe)	mg/l	0.30	IS 3025(P-2)-2019
11	Calcium (as Ca)	mg/l	480.0	IS 3025(P-2)-2019
12	Sodium (a Na)	mg/l	7329.0	IS 3025(P-2)-2019
13	Potassium (as K)	mg/l	344.0	IS 3025(P-2)-2019
14	Nitrite (as NO ₂)	mg/l	BLQ(LOQ=0,005)	IS 3025(P-34/Sec-1)-2023
15	Phosphate (as P)	mg/l	BLQ(L00=0.02)	IS 3025(P-31/Sec-1)-2022
16	Silica (as SiO ₂)	mg/l	BLQ(LOQ=0.02)	IS 3025(P-35)-1988
17	Total Solids	mg/l	29524.0	IS 3025(P-15)-1984
18	Total Nitrogen (as N)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
19	Organic Nitrogen (as N)	mg/l	BLQ(LOQ=1.0)	IS 3025(P-34/Sec-1)-2023
20	Faecal Coliform	MPN/100ml	<2.0	IS:1622-1981
	BLQ=Below Limit of Quantification, LOQ=Limit of Quantification	stion		

End of Report*



SHUTOSH SRIVASTAVA Deputy Technical Manager

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STP WATER

REPORTS



(ONCE A MONTH - TWO LOCATIONS)

- 1. SLOP RECEPTION TREATMENT PLANT (OIL SEPARATOR) SRTP AT WHARF
- 2. 1.2 MLD SBR TECHNOLOGY STP -NEAR KK GATE



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TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Water Sample (SRTP Waste Water)

Sample Collection Date:

24/04/2025

Sample Source:

Slop Reception Treatment Plant (Oil Separator)

Sample Location:

SRTP at Wharf

Report No.

AAL WQT-20250428034

Date of Receiving:

28/04/2025

Date of Starting:

28/04/2025

Date of Completion:

05/05/2025

Date of Reporting:

05/05/2025

Sample Quantity:

2 Litre

Sample Packing Condition:

Sealed Packed Bottle

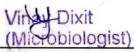
Sample Collected By:

AAL

TEST RESULT

5	S. No.	Test Parameters	Unit	Results	Limits as per KSPCB Standard	Test Methods
	1	Colour	Hazen	L	All efforts should be made to remove colour and unpleasant odour as far as practicable.	IS 3025(P-4)-2021
	2	Odour pH Value	(Agreeable	All efforts should be made to remove colour and unpleasant odour as far as practicable.	IS 3025(P-5)-2018
	3	pH Value Conductivity at 25°C		7.48	6,5 - 9.0	IS 3025(P-11)-2022
	4	Conductivity at 25°C	μmhos/cm	1720	NS	IS 3025(P-14)-2013
	5	Total Dissolved Solids	mg/l	1570.0	2100 Max.	IS 3025 (P-16)-2023
	6	Total Suspended Solids	mg/l	16.0	20 Max.	IS 3025(P-17)-2022
	7	Oil & Grease	mg/l	BLQ(LOQ=2.0)	10 Max.	IS 3025(P-39)-2021
	8	Dissolved Oxygen (DO)	mg/l	4.1	NS	IS 3025 (P-38)-1989
	9	Biochemical Oxygen Demand (BOD - 3 days at 27°C)	mg/l	9.4	10 Max.	IS 3025(P-44)-2023
	10	Chemical Oxygen Demand (COD)	mg/l	48.6	50 Max.	IS 3025(P-58)-2023
	11	Total Nitrogen (as N)	mg/l	8.2	10 Max.	IS 3025(P-34/Sec-1)-2023
	12	Ammonical Nitrogen (as NH ₃ -N)	mg/l	2.6	5 Max.	IS 3025(P-34/Sec-1)-2023
	13	Phenolic Compound (asC ₆ H ₅ OH)	mg/l	BLQ(LOQ=0.1)	1 Max.	IS 3025(P-43/Sec-1)-2022
	14	Faecal Coliform	MPN/100ml	60	100 Max.	IS:1622-1981
		BLQ=Below Limit of Quantification, LOQ-Limit of Quantification				

End of Repor





Authorised Signatory

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TEST REPORT

Page 1 of 1

Issued To:

M/s New Mangalore Port Authority

Govt. of India (Ministry of Ports, Shipping and Waterways)

Panambur, Mangalore - 575 010, Karnataka

Sample Description:

Water Sample (1.2 MLD STP Water)

Sample Collection Date:

24/04/2025

Sample Source: Sample Location: 1.2 MLD SBR Technology STP

Near KK Gate NMPA Mangalore

Report No.

AAL WQT-20250428035

Date of Receiving:

28/04/2025

Date of Starting:

28/04/2025

Date of Completion:

05/05/2025

Date of Reporting:

05/05/2025

Sample Quantity:

2 Litre

AAL

Sample Packing Condition: Sample Collected By:

Sealed Packed Bottle

TEST RESULT

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S. No.	Test Parameters	Unit	Results	Limits as per KSPCB Standard	Test Methods
1	Colour	Hazen	L Y <5.0 C	All efforts should be made to remove colour and unpleasant odour as far as practicable.	IS 3025(P-4)-2021
2	Odour		Agreeable	All efforts should be made to remove colour and unpleasant odour as far as practicable.	IS 3025(P-5)-2018
3	pH Value		7.61	6.5 - 9.0	IS 3025(P-11)-2022
4	Conductivity at 25°C	μmhos/cm	1382	NS	IS 3025(P-14)-2013
5	Total Dissolved Solids	mg/l	817.0	2100 Max.	IS 3025 (P-16)-2023
6	Total Suspended Solids	mg/l	14.0	20 Max.	IS 3025(P-17)-2022
7	Oil & Grease	mg/l	BLQ(L0Q=2.0)	10 Max.	IS 3025(P-39)-2021
8	Dissolved Oxygen (DO)	mg/l	4.6	NS	IS 3025 (P-38)-1989
9	Biochemical Oxygen Demand (BOD - 3 days at 27°C)	mg/l	8.3	10 Max.	IS 3025(P-44)-2023
10	Chemical Oxygen Demand (COD)	mg/l	46.4	50 Max.	IS 3025(P-58)-2023
11	Total Nitrogen (as N)	mg/l	7.2.4	10 Max.	IS 3025(P-34/Sec-1)-2023
12	Ammonical Nitrogen (as NH ₃ -N)	mg/l	<1.0	5 Max.	IS 3025(P-34/Sec-1)-2023
13	Phenolic Compound (asC ₆ H ₅ OH)	mg/l	BLQ(L0Q=0.1)	1 Max.	IS 3025(P-43/Sec-1)-2022
14	Faecal Coliform	MPN/100ml	50	100 Max.	IS:1622-1981
	BLQ=Below Limit of Quantification, LOQ=Limit of Quantification NS=Not Specified				

End of Report



OSH SRIVASTAVA Deputy Technical Manager

Authorised Signatory

Note: 1. The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred not implied.

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The non-perishable sample received shall be destroyed after one month and perishable sample shall be destroyed after one week from the

date of issue of report unless specified.