

Letter No: ARKS/PMU/24-25/22

Date: 08.12.2025

To,
The Authority Engineer,
Provincial Division
PWD, Pauri Uttarakhand

LOA No.- LOA NO: 417/15/BR/RFB-EPC/UGRIDP/2023

Reference: (Construction of 150M Span Intermediate Lane Motor Bridge & its approach over Nayar River for Badkholu village in District Pauri, Uttarakhand State)

Subject: Submission of Pre-Construction Environment Monitoring Test Reports.

Dear Sir,

With reference to the above-mentioned work, we hereby submit the *Pre-Construction Environmental Monitoring Reports* along with the attached photographs for your kind perusal. The details of the reports are as follows:

S. No.	File No.	Description	Qty.
1	File no.1	Air Quality Monitoring	2
2	File no.2	Noise Level Monitoring	2
3	File no.3	Drinking Water Quality Monitoring	1
4	File no.4	Surface Water Quality Monitoring	1
Total Reports			6

We kindly request you to review the submitted report and provide us required approval.

Thank you for your continued support.

Best Regards

M/s ARKS Universal Pvt. Ltd.



Authorised Signatory

ARKS UNIVERSAL PVT.LTD.
(Authorised Signatory)

Encl: Senior Environment expert, PIU-World Bank (PWD) U-PREPARE Uttarakhand.

TEST REPORT

Test Report Number	QTRC/9120251204/01	Issued Date: 06.12.2025
Customer Name & Address	M/S ARKS Universal Pvt. Ltd A-1 Tower, 2nd floor Shop No-1, 39/1 Ballupur Dehradun Uttarakhand	
Details of Sample		
Job Order Number	QTRC/9120251204/01	Sample Receiving Date 04.12.2025
Sample Description	Ambient Air	Analysis Start Date 04.12.2025
Sampling Done by	QTRC Laboratory Representative	Analysis End Date 06.12.2025

Ambient Air Quality

Sample Particulars:

Date & Time of Sampling

Sampling Duration

Sampling Location

Weather Condition

Ambient Temperature (°C)

Sampler Location w.r.t. Height

Avg Flow Rate of RSPM (m³/min)

Sample Packing & Marking

Sampling Details

: 02.12.2025 (10:12 AM) to 03.12.2025 (10:13 AM)

: 24 Hr.

: Project Site A-1 (Construction of 150M Span Intermediate Lane Motor Bridge & its approach over Nayar River for Badkholu in District Pauri

: Clear

: Min: 12, Max: 22

: 2.5 meter

: 1.15

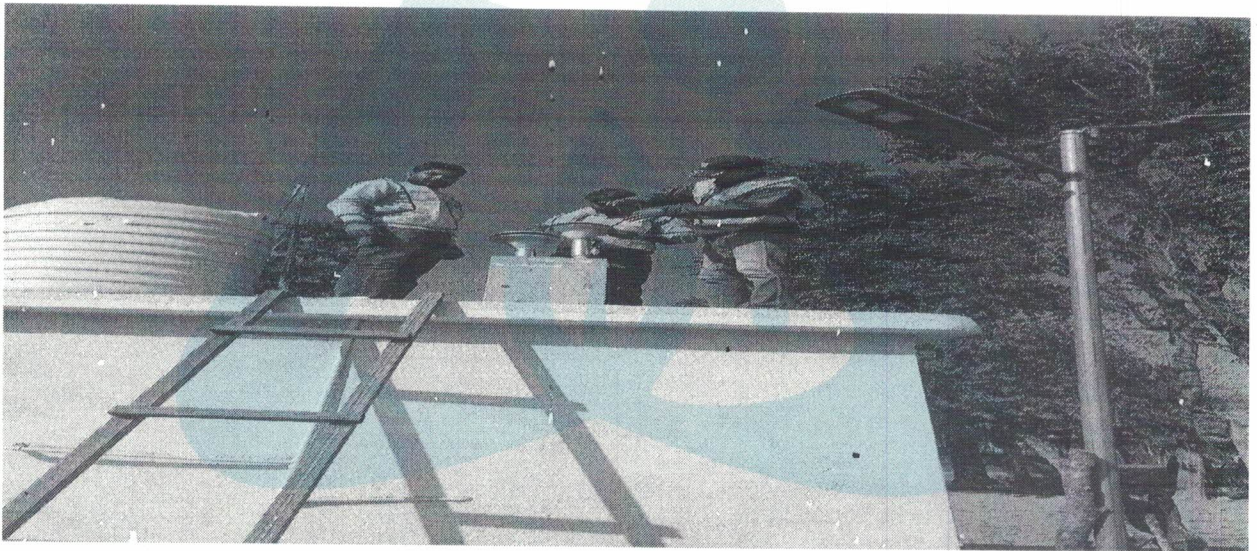
: Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag, EP-AQ/Boiler Area

TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Particulate Matter (size less than 10 µm) or PM ₁₀	µg/m ³	85	100	IS: 5182 (Part-23) 2022
2.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	µg/m ³	48	60	IS: 5182 (Part-24) 2024
3.	Sulphur Dioxide (SO ₂)	µg/m ³	13.2	80	IS: 5182 (Part-02) 2023
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	28.4	80	IS: 5182 (Part-06) 2018
5.	Carbon Monoxide (CO)	mg/m ³	0.87	04	IS: 5182 (Part-10) 1999

End of Report

TEST REPORT



AN ISO / IEC 17025 : 2017, ISO 9001 : 2015, ISO 14001 : 2015 CERTIFIED LABORATORY

Note : certified that the test enumerated above have been carried out in conformity with standard testing procedures and relevant specification. The refers ONLY to the particular sample(s) submitted for test. The report should not be utilised for any legal purpose and will not be produced in the court of law. Sample Description is not verified in all cases and is given as described by Customer, All Complaints about this should be communicated in writing within 10days from the date of issue of this report. Except by special arrangement, Samples, if drawn, will not be retained by the company for more than 30 days. This test report is not to be reproduced except in full, without written approval of the Laboratory.

TEST REPORT

Test Report Number	QTRC/9120251204/06		Issued Date: 06.12.2025
Customer Name & Address	M/S ARKS Universal Pvt. Ltd A-1 Tower, 2nd floor Shop No-1, 39/1 Ballupur Dehradun Uttarakhand		
Details of Sample			
Job Order Number	QTRC/9120251204/06	Sample Receiving Date	04.12.2025
Sample Description	Ambient Air	Analysis Start Date	04.12.2025
Sampling Done by	QTRC Laboratory Representative	Analysis End Date	06.12.2025

Ambient Air Quality

Sample Particulars:

Date & Time of Sampling

Sampling Duration

Sampling Location

Weather Condition

Ambient Temperature ($^{\circ}\text{C}$)

Sampler Location w.r.t. Height

Avg Flow Rate of RSPM (m^3/min)

Sample Packing & Marking

: 03.12.2025 (11:00 AM) to 04.12.2025 (11:00 AM)

: 24 Hr.

: Project Site A-2 (Construction of 150M Span Intermediate Lane Motor Bridge & its approach over Nayar River for Badkholu in District Pauri

: Clear

: Min: 12, Max: 22

: 2.5 meter

: 1.15

: Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag, EP-AQ/Boiler Area

Sampling Details

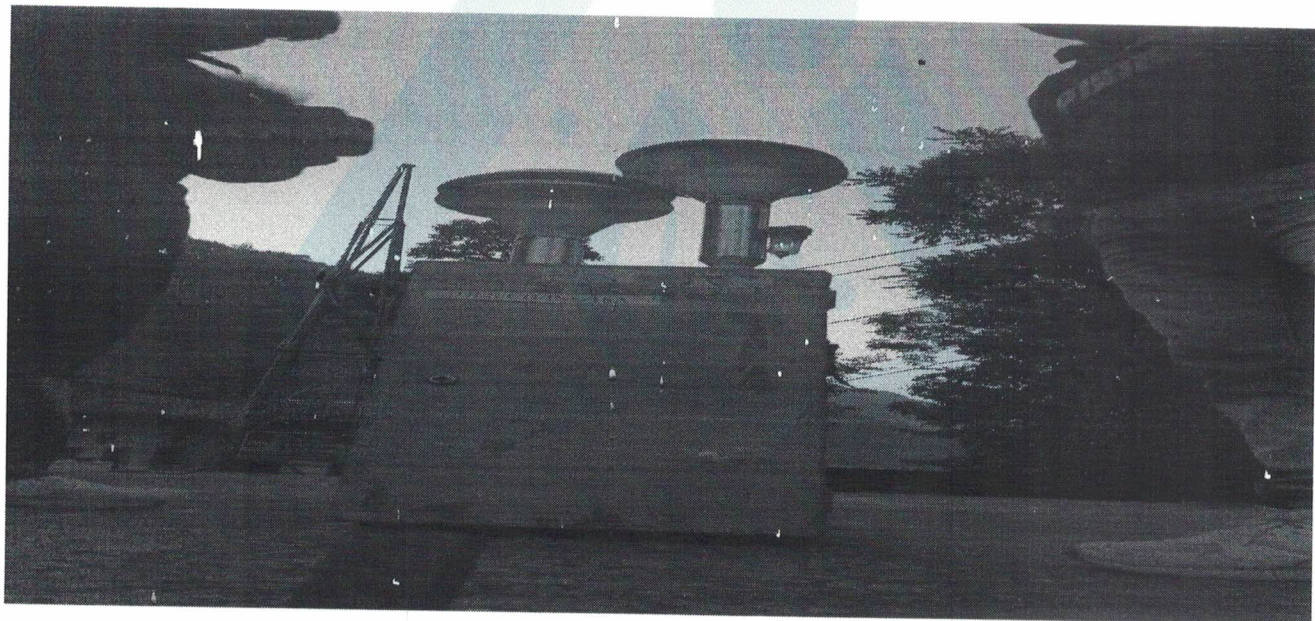
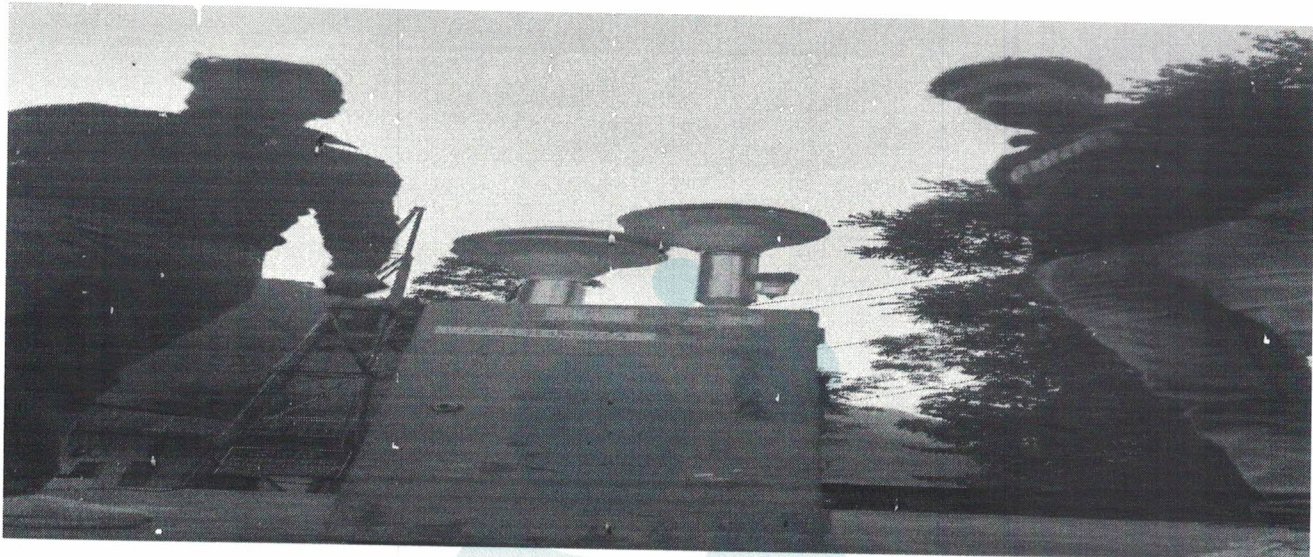
TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Particulate Matter (size less than $10\text{ }\mu\text{m}$) or PM_{10}	$\mu\text{g}/\text{m}^3$	83	100	IS: 5182 (Part-23) 2022
2.	Particulate Matter (size less than $2.5\text{ }\mu\text{m}$) or $\text{PM}_{2.5}$	$\mu\text{g}/\text{m}^3$	47	60	IS: 5182 (Part-24) 2024
3.	Sulphur Dioxide (SO_2)	$\mu\text{g}/\text{m}^3$	13.1	80	IS: 5182 (Part-02) 2023
4.	Nitrogen Dioxide (NO_2)	$\mu\text{g}/\text{m}^3$	28.5	80	IS: 5182 (Part-06) 2018
5.	Carbon Monoxide (CO)	mg/m^3	0.85	04	IS: 5182 (Part-10) 1999

End of Report



TEST REPORT



AN ISO / IEC 17025 : 2017, ISO 9001 : 2015, ISO 14001 : 2015 CERTIFIED LABORATORY

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