



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO: ENV-FM/37

Name of the Project	:	Shiga Energy Pvt. Ltd. (2 x 48.5 MW)	Type of Project	:	Hydro Electric Project
Address	:	Barrage Sedang, West Sikkim, Sikkim - 737111	Sampling Date	:	06.05.2023 - 07.06.2023
			Period of Analysis	:	10.05.2023 - 11.06.2023
			Date of Issue	:	12.05.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	No	Type of Sample : Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/71/M/A/V
			Report No.	:	ENV/71/M/TR(A)/V/23-24

A] GENERAL INFORMATION

1. Location of Sampling : Near D. G. Room (Barrage Site)
2. Duration of Sampling : 24 hrs. (10:00 a.m. - 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 63.0
3. Barometric Pressure (mm of Hg) : 692.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	29.62	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	64.12	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	<4.0	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	18.50	80.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: Result relates only to the sample tested.

Reviewed By:

DURBADAL CHAKRABORTY

Dy. Quality Manager

Authorised Signatory:

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical



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TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Project	:	Shiga Energy Pvt. Ltd. (2 x 48.5 MW)	Type of Project	:	Hydro Electric Project
Address	:	Power House Tashiding, Hydro Electric Project, Kagaythang, P.O. - Yangtay, Geyzing, West Sikkim - 737111	Sampling Date	:	06.05.2023 - 07.06.2023
			Period of Analysis	:	10.05.2023 - 11.06.2023
			Date of Issue	:	12.05.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/71/M/A/VI
			Report No.	:	ENV/71/M/TR(A)/VI/23-24

A] GENERAL INFORMATION

1. Location of Sampling : Near D. G. Room (Power House)
2. Duration of Sampling : 24 hrs. (09:30 a.m. - 09:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 61.0
3. Barometric Pressure (mm of Hg) : 692.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	34.19	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	68.17	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01 Sec. 11 (Vol. 11.07) : 2017	4.82	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.52	80.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: Result relates only to the sample tested.

Reviewed By:

DURBADAL CHAKRABORTY

Dy. Quality Manager

Authorised Signatory:

INDRANI BHATTACHARYA

Dy. Technical Manager, Chemical

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