



ENVIROCHECK

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



FORMAT NO. ENV/FM/53

TEST REPORT

Name of Industry / Company / Factory / Office	:	Shiga Energy Pvt. Ltd. (2 X 48.5 MW)
Address	:	Barrage Sedang, West Sikkim - 737111
Type of Industry	:	Hydro Electric Project
Sampling Plan & Procedure	:	ENV/SOP/02
Deviation from the Sampling Method & Plan	:	No
Type of Sample	:	Noise Level Study
Sample ID	:	ENV/78/M/N
Date of Study	:	06/06/2023
Method No.	:	IS 15575 (Part 2), 2022
Sample Monitored by	:	Mr. Subhas Mondal
Report ID	:	ENV/78/M/(TR)N/23-24
Reporting Date	:	23/06/2023
Time of Duration of Noise	:	20 Minutes
Height from Ground Level	:	4 Feet

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	L _{eq} dB (A)	Limit in L _{eq} dB (A)
1.	Near D.G 82.5 KVA Machine was Running Condition	67.7	66.4	68.8	68.2	70.5	71.8	67.4	68.3	69.0	66.7	3:00 - 3:20 P.M (Day Time)	66.4	71.8	68.79	A. Industrial Area (Day Time - 75.0) (Night Time - 70.0) B. Commercial Area (Day Time - 65.0) (Night Time - 55.0) C. Residential Area (Day Time - 55.0) (Night Time - 45.0) D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)

> End of Report <

** Mean of L _{eq} - Equivalent to Sound Energy		** Central Pollution Control Board, Ministry of Environment & Forests Government of India & Department of Environment, Government of West Bengal	
		** Day Time is reckoned in between	** Night Time is reckoned in between
		6:00 A.M & 10:00 P.M	10:00 P.M & 6:00 A.M
PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS / Source: The Noise Pollution (Regulation and Control) Rules, 2000			
Hours	Limit in dB(A)		
8	90		
4	93		
2	96		
1	99		
1/2	102		
1/4	105		
1/8	108		
1/16	111		
1/32	114		
(2 minutes or less)	-		

Reviewed By:

DURBADAL CHAKRABORTY

[Signature]

Dy. Quality Manager

Approved By:

[Signature]

INDRANI BHATTACHARYA

Dy. Technical Manager, Chemical



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FORMAT NO. ENV/FM/53

TEST REPORT

Name of Industry / Company / Factory / Office	:	Shiga Energy Pvt. Ltd. (2 X 48.5 MW)
Address	:	Kabirithang, Geyzing, West Sikkim, Pin - 737111
Type of Industry	:	Hydro Electric Project
Sampling Plan & Procedure	:	ENV/SOP/02
Deviation from the Sampling Method & Plan	:	No
Type of Sample	:	Noise Level Study
Sample ID	:	ENV/78/M/N
Date of Study	:	06/06/2023
Method No.	:	IS 15575 (Part 2), 2022
Sample Monitored by	:	Mr. Subhas Mondal
Report ID	:	ENV/78/M/(TR)N-23-24
Reporting Date	:	23/06/2023
Time of Duration of Noise	:	20 Minutes
Height from Ground Level	:	4 Feet

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	Leq dB (A)	Limit in Leq dE(A)
1.	Near D.G 30 KVA Machine was Running Condition	63.2	63.9	64.1	64.9	65.1	66.4	67.8	68.8	69.1	69.5	2:30 - 2:50 P.M (Day Time)	63.2	69.5	66.35	A. Industrial Area (Day Time - 75.0) (Night Time - 70.0) E. Commercial Area (Day Time - 65.0) (Night Time - 55.0) C. Residential Area (Day Time - 55.0) (Night Time - 45.0) D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)

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PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS / Source : The Noise Pollution (Regulation and Control) Rules, 2000			
Hours	Limit in dB(A)		
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2	96		
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1/2	102		
1/4	105		
1/8	108		
1/16	111		
1/32	114		
(2 minutes or less)	-		

Reviewed By:

DURBADAL CHAKRABORTY

Dy. Quality Manager

Approved By:

Indrani Bhattacharya

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Dy. Technical Manager, Chemical



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FORMAT NO. ENV/FM/53

TEST REPORT

Name of Industry / Company / Factory / Office	: Shiga Energy Pvt Ltd. (2 X 43.5 MW)
Address	: Power House Tashiding, Kageyhang, P.O - Yangtey, Geyzing, West Sikkim - 737111
Type of Industry	: Hydro Electric Project
Sampling Plan & Procedure	: ENV/SOP/02
Deviation from the Sampling Method & Plan	: No
Type of Sample	: Noise Level Study
Sample ID	: ENV/78/M/N
Date of Study	: 06/06/2023
Method No.	: IS 15575 (Part 2), 2022
Sample Monitored by	: Mr. Subhas Mondal
Report ID	: ENV/78/M/(TR)N-23-24
Reporting Date	: 23/06/2023
Time of Duration of Noise	: 20 Minutes
Height from Ground Level	: 4 Feet

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	Leq dB (A)	Limit in Leq dE(A)
1.	Near D.G Room 500 KVA Machine was Running Condition	71.4	69.4	68.3	71.8	72.2	71.9	69.9	70.4	72.6	71.3	11:00 - 11:20 A.M (Day Time)	68.3	72.6	71.10	A. Industrial Area (Day Time - 75.0) (Night Time - 70.0)
2.	Near Service Bay	62.2	61.8	60.9	61.4	61.0	63.4	64.2	63.9	63.6	62.8	11:30 - 11:50 A.M (Day Time)	60.9	64.2	62.37	E. Commercial Area (Day Time - 65.0) (Night Time - 55.0)
3.	Near Turbine Area	67.9	67.2	68.0	68.4	69.2	70.1	70.4	67.5	68.3	69.5	12:00 - 12:20 P.M (Day Time)	67.2	70.4	68.78	C. Residential Area (Day Time - 55.0) (Night Time - 45.0) D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)

> End of Report <

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1/32	114		
(2 minutes or less)	-		

Reviewed By:

DURADAN CHAKRABORTY

Dy. Quality Manager

Approved By:

Indrani Bhattacharya

INDRANI BHATTACHARYA

Dy. Technical Manager, Chemical

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E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
Overseas : UAE ■ Qatar ■ Netherlands



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TC-60-4

FORMAT NO. ENV/FM/53

TEST REPORT

Name of Industry / Company / Factory / Office	: Shiga Energy Pvt. Ltd.
Address	: Sakyong, Geyzing, West Sikkim, Sikkim - 737111
Type of Industry	: Hydro Electric Project
Sampling Plan & Procedure	: ENV/SOP/02
Deviation from the Sampling Method & Plan	: No
Type of Sample	: Noise Level Study
Sample ID	: ENV/78/M/N
Date of Study	: 06/06/2023
Method No.	: IS 15575 (Part 2), 2022
Sample Monitored by	: Mr. Subhas Mondal
Report ID	: ENV/78/M/(TR)/23-24
Reporting Date	: 23/06/2023
Time of Duration of Noise	: 20 Minutes
Height from Ground Level	: 4 Feet

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hrs)	Min dB (A)	Max dB (A)	L _{eq} dB (A)	Limit in Leq dB(A)
1.	Near D.G 30 KVA Machine was Running Condition	64.4	64.8	65.2	65.4	65.8	66.4	67.8	68.3	69.4	69.0	3:45 - 4:35 P.M (Day Time)	64.4	69.4	67.00	A. Industrial Area (Day Time - 75.0) (Night Time - 70.0) B. Commercial Area (Day Time - 65.0) (Night Time - 55.0) C. Residential Area (Day Time - 55.0) (Night Time - 45.0) D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)

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(2 minutes or less)	-		

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