ENVIRONMENTAL MONITORING REPORT

FOR

TIDONG POWER GENERATION PVT LTD

TIDONG POWER GENERATION PVT. L

SITE OFFICE

VILL-RUWANG, PO-MORANG DISTT-KINNAUR, HIMACHAL PRADES

M/TPGPL./2023/01

May, 2023



MANTEC CONSULTANTS PVT. LTD.

QCI /NABET Accredited EIA Consultant at S.No.167 as per List of Accredited consultant Organizations/ Rev.25 /Sept 05, 2022 and MoEF&CC approved Laboratory 805, Vishal Bhawan, 95 Nehru Place, New Delhi-110019, PH. 011-26429294/95/96, Fax. 011-26463665/26842531, Environment Division, D-36, Sector-6, Noida-201 301, U. P., Ph. 0120-4215000, 0120-4215807 Fax. 0120-4215809,

e-mail: lab@mantecconsultants.com

Website: www.mantecconsultants.com

TABLE OF CONTENTS

Sl. No	Contents	Page No
	Summary of Report	03-05
	Ambient Air Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	06-19
1.	Power House	06-07
2.	Near Site Office	08-09
3.	Near Store Room	10-11
4.	ADIT-I	12-13
5.	ADIT-II	14-15
6.	Dam Site	16-17
7.	Rispa Village	18-19
	Stack Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	20-26
1.	Near Site Office, 40 KVA	20
2.	Near Site Office, 250 KVA	21
3.	Near Power House, 125 KVA	22
4.	Near Cement Store Room, 125 KVA	23
5.	ADIT-II, 320 KVA	24
6.	ADIT-I, 320 KVA	25
7.	Dam Site Batching Plant, 500 KVA	26
	Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	27-44
1.	Drinking Water - R.O. Inlet Water Near Dam Site	27-28
2.	Drinking Water - R.O. Outlet Water Near Dam Site	29-30
3.	Drinking Water - R.O. Inlet Water Near Project Site	31-32
4.	Drinking Water - R.O. Outlet Water Near Project Site	33-34
5.	Surface Water- Tidong River Upstream Near Dam Site	35-36
6.	Surface Water- Downstream Project Site Near Project Site	37-38
7.	Waste Water- STP Untreated Water Near Dam Site	39
8.	Waste Water- STP Treated Water Near Dam Site	40
	Ambient Noise Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	41-54
1.	Power House	41-42
2.	Near Site Office	43-44
3.	Near Store Room	45-46
4.	ADIT-I	47-48
5.	Dam Site	49-50
6.	ADIT-II	51-52
7.	Rispa Village	53-54

	Source Noise Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	55-65
1.	Near Site Office, 320 KVA	55
2.	Near Site Office, 250 KVA	56
3.	Near Power House, 125 KVA	57
4.	Near Cement Store Room, 125 KVA	58
5.	ADIT-II, 320 KVA	59
6.	ADIT-I, 320 KVA	60
7.	Dam Site Batching Plant, 500 KVA	61
	Traffic Survey Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	62
1.	Check Post, Village - Ruwang	62
	Monitoring Photographs At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	63-65

SUMMARY OF REPORT

AMBIENT AIR QUALITY

To assess the Ambient Air Quality status in the study area surrounding of Tidong HEP seven monitoring locations were selected on the basis of topographical and meteorological situation. The details of monitoring locations and parameters carried out and testing protocols are as follows:

AMBIENT AIR QUALITY STATUS

Pollutants like PM₁₀, PM_{2.5}, SO₂, NO₂ & CO were collected and analyzed.

	Locations	Parameters	Unit of Measurements	CPCB Prescribed Limits	Protocol
1	Power House				
2	Near Site Office	SO ₂	μg/ m ³	80 (24 Hours)	IS 5182(Part-2):2017
3	Near Store Room	NO ₂	$\mu g/m^3$	80 (24 Hours)	IS 5182(Part-6):2017
4	ADIT-I	PM ₁₀	$\mu g/m^3$	100 (24 Hours)	IS 5182(Part-23):2017
5	Dam Site	PM _{2.5}	$\mu g/m^3$	60 (24 Hours)	IS 5182(Part-24):2019
6	ADIT-II	CO	mg/m ³	2 (08 Hours)	IS 5182(Part-10):2019
7	Rispa Village				NDIR spectroscopy

Conclusion

PM₁₀ (Particulate Matter)

During the monitoring period, it has been observed that the average values of PM_{10} for all the monitoring stations ranging from 40 µg/m³ to 58 µg/m³. The lowest value was observed as 40µg/m³ at ADIT-I and the highest value was observed as 58 µg/m³ at Rispa Village. The values of all locations are well within the CPCB prescribed limits for PM₁₀ i.e., 100 µg/m³.

PM_{2.5} (Fine Particulate Matter)

During the monitoring period, it has been observed that the average values of PM_{2.5} for all the monitoring stations ranging from $24 \ \mu g/m^3$ to $34 \ \mu g/m^3$. The lowest value was observed as $24 \ \mu g/m^3$ at ADIT-I and the highest value was observed as $34 \ \mu g/m^3$ at Rispa Village. The values of all locations are well within the CPCB prescribed limits for PM_{2.5} i.e., $60 \ \mu g/m^3$.

Sulphur Dioxide

During the monitoring period, it has been observed that the average values of SO₂ for all the monitoring stations ranging from $04 \ \mu g/m^3$ to $12 \ \mu g/m^3$. The lowest value was observed as $04 \ \mu g/m^3$ at ADIT-I and the highest value was observed as $14 \ \mu g/m^3$ at Rispa Village. The values of all locations are well within the CPCB prescribed limits for SO₂ i.e., $80 \ \mu g/m^3$.

Nitrogen Dioxide

During the monitoring period, it has been observed that the average values of NO₂ for all the monitoring stations ranging from 18 μ g/m³ to 36 μ g/m³. The lowest value was observed as 18 μ g/m³ at ADIT-I and the highest value was observed as 36 μ g/m³ at Rispa Village. The values of all locations are well within the CPCB prescribed limits for NO₂ i.e., 80 μ g/m³.

Carbon Monoxide

During the monitoring period, it has been observed that the average values of CO for all the monitoring stations ranging from 0.34 mg/m³ to 0.64 mg/m³. The lowest value was observed as 0.40 mg/m³ at ADIT-I and the highest value was observed as 0.64 mg/m³ at Rispa Village. The values of all locations are well within the CPCB prescribed limits for CO i.e., 2.0 mg/m³.

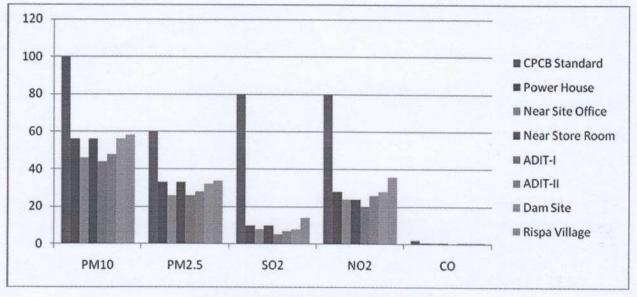


Fig. : - AAQ of Concentration Graph

WATER QUALITY

To assess the Water Quality Status in the vicinity of Tidong HEP 10 sampling locations were selected. The Physico-Chemical parameters are analyzed and compared with IS: 10500 for suitability of the drinking purpose are as follows:

Sl. No.	Parameters	Units	Acceptable Limit	Permissible Limit	Test Method
1.	pH	-	6.5-8.5	No Relaxation	IS 3025(Part-11) : 2022
2.	Odour	- 11 - 11 - 11	Agreeable	Agreeable	IS 3025(Part-5) : 2018
3.	Colour	Hazen Units	5	15	IS 3025(Part-4) : 2021
4.	Temperature	°C		·	IS 3025(Part-19): 2017
5.	Turbidity	NTU	1	5	IS 3025(Part-10) : 2017
6.	Taste	-	Agreeable	Agreeable	IS 3025(Part-7&8) : 2017
7.	Conductivity	µmhos/cm			IS 3025(Part-14): 2019
8.	Total Dissolved Solids	mg/1	500	2000	IS 3025(Part-16): 2017
9.	Alkalinity as CaCO ₃	mg/l	200	600	IS 3025(Part-23): 2019
10.	Total Hardness as CaCO ₃	mg/l	200	600	IS 3025(Part-21): 2019
11.	Calcium as Ca	mg/l	75	200	IS 3025(Part-40): 2019
12.	Magnesium as Mg	mg/l	30	100	IS 3025(Part-46): 2019
13.	Manganese as Mn	mg/l	0.1	0.3	IS 3025(Part-2): 2019
14.	Chloride as Cl	mg/l	250	1000	IS 3025(Part-32): 2019
15.	Nitrate as NO ₃	mg/l	45	No Relaxation	IS 3025(Part-34): 2019
16.	Sulphate as SO4	mg/l	200	400	IS 3025(Part-24): 2019
17.	Sulphide as H ₂ S	mg/l	0.05	No Relaxation	IS 3025(Part-29): 2019
18.	Fluoride as F	mg/l	<1.0	1.5	IS 3025(Part-60): 2019
19.	Free Residual Chlorine	mg/l	0.2	1	IS 3025(Part-26): 2021
20.	Ammonia as N	mg/l	0.5	No Relaxation	IS 3025(Part-34): 2019
21.	Anionic Detergents as MBAS	mg/l	0.2	1.0	Annexure K of IS:13428, 2018
22.	Iron as Fe	mg/l	0.3	No Relaxation	IS 3025Part-2): 2019
23.	Phenolic Compound	mg/l	0.001	0.002	IS 3025(Part-43): 2019
24.	Copper as Cu	mg/l	0.05	1.5	IS 3025(Part-2): 2019
25.	Aluminium as Al	mg/l	0.03	0.2	IS 3025(Part-2): 2019

Page - 4 - of 65

26.	Barium as Ba	mg/l	0.7	No Relaxation	IS 3025(Part-2): 2019
27.	Boron as B	mg/l	0.5	1.0	IS 3025(Part-2): 2019
28.	Zinc as Zn	mg/l	5	15	IS 3025(Part-2): 2019
29.	Mercury as Hg	mg/l	0.001	No Relaxation	IS 3025(Part-48): 2019
30.	Cadmium as Cd	mg/l	0.003	No Relaxation	IS 3025(Part-2): 2019
31.	Total Arsenic as As	mg/l	0.01	0.05	IS 3025(Part-2): 2019
32.	Lead as Pb	mg/l	0.01	No Relaxation	IS 3025(Part-2): 2019
33.	Nickel as Ni	mg/l	0.02	No Relaxation	IS 3025(Part-2): 2019
34.	Total Chromium as Cr	mg/l	0.05	No Relaxation	IS 3025(Part-2): 2019
35.	Total Coliform	MPN/100ml	Absent	Absent	IS: 1622: 1981
36.	Faecal Coliform	MPN/100ml	Absent	Absent	IS: 1622: 1981

Conclusion

The Water & Waste Water samples taken from ground water source for drinking purpose were analyzed and observed, is well within the limit and it confirms the requirement of IS : 10500.

Surface water collected from Tidong River meets the CPCB Water Quality Criteria and best designated use. Waste Water analysis results for all Locations shows that waste water is as per CPCB discharge limit.





Sample Identification	:	A23050801
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	01.05.2023, 09:55 AM
End Date & Time of Sampling	:	02.05.2023, 09:55 AM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Power House
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01

TEST RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	µg/m³	54	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	32	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	06	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	24	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.48	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Notes:

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Gaja Nand Mallick Quality Manager:

Test Report No.: A230508C -02.



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Sample Identification	:	A23050802
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	02.05.2023, 11:05 AM
End Date & Time of Sampling	:	03.05.2023, 11:05 AM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Power House
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	$\mu g/m^3$	56	100	IS 5182(Part-23):2017
2.	PM _{2.5}	μg/m³	33	60 *	IS 5182(Part-24):2019
3.	SO ₂	μg/m³	10	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m³	28	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.58	02	IS 5182(Part-10):2019 NDIR spectroscopy

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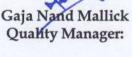
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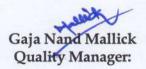
Sample Identification	:	A23050803
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	01.05.2023, 01:00 PM
Start Date & Time of Sampling	:	02.05.2023, 01:00 PM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Near Site Office
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
		TEST RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	µg/m³	46	100	IS 5182(Part-23):2017
2.	PM _{2.5}	μg/m³	26	60 -	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	08	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	24	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.52	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Test Report No.: A230508C -04.



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Sample Identification	:	A23050804
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	02.05.2023, 01:05 AM
End Date & Time of Sampling	:	03.05.2023, 01:05AM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Near Site Office
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
		TEST RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	$\mu g/m^3$	42	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	24	60 *	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	08	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	26	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.52	02	IS 5182(Part-10):2019 NDIR spectroscopy

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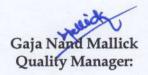
Sample Identification	:	A23050805
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	01.05.2023, 04:00 PM
Start Date & Time of Sampling	:	02.05.2023, 04:00 PM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Near Store Room
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
		TEST RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	µg/m³	54	100	IS 5182(Part-23):2017
2.	PM _{2.5}	μg/m³	32	60 -	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	12	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	28	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.64	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A23050806
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	02.05.2023, 04:05 PM
End Date & Time of Sampling	:	03.05.2023, 04:05 PM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Near Store Room
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TEST I	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	µg/m³	56	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	33	60	IS 5182(Part-24):2019
3.	SO ₂	μg/m³	10	80 -	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	24	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.64	02	IS 5182(Part-10):2019 NDIR spectroscopy

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:	A23050807
:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
:	03.05.2023, 12:00 PM
:	04.05.2023, 12:00 PM
:	08.05.2023
:	Ambient Air
:	OK
:	08.05.2023
:	13.05.2023
:	13.05.2023
:	ADIT-I
:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
:	MEL/MSP/7.3/P-01

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	$\mu g/m^3$	40	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	24	60 *	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	04	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	18	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.42	02	IS 5182(Part-10):2019 NDIR spectroscopy

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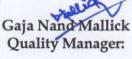
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Test Report No.: A230508C -08.



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Sample Identification	:	A23050808
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	04.05.2023, 12:05 PM
Start Date & Time of Sampling	:	05.05.2023, 12:05 PM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	ADIT-I
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	µg/m ³	42	100	IS 5182(Part-23):2017
2.	PM _{2.5}	μg/m³	26	60 -	IS 5182(Part-24):2019
3.	SO ₂	μg/m ³	05	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	20	80	IS 5182(Part-6): 2017
5.	со	mg/m ³	0.38	02	IS 5182(Part-10):2019 NDIR spectroscopy

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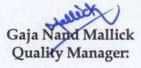
Manoranjan Analyzed by:

Notes:

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Test Report No.: A230508C -09.



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Sample Identification	:	A23050809
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	03.05.2023, 12:00 PM
End Date & Time of Sampling	:	04.05.2023, 12:00 PM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	ОК
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	ADIT-II
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	μg/m³	42	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	25	60 *	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	08	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m³	24	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.50	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Seal of Lab:

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Test Report No.: A230508C -10.



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Sample Identification	:	A23050810
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	04.05.2023, 12:05 PM
Start Date & Time of Sampling	:	05.05.2023, 12:05 PM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	ADIT-II
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	µg/m ³	48	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	28	60 -	IS 5182(Part-24):2019
3.	SO ₂	μg/m³	07	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	26	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.56	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Test Report No.: A230508C -11.



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Sample Identification	:	A23050811
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	03.05.2023, 12:00 PM
End Date & Time of Sampling	:	04.05.2023, 12:00 PM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Dam Site
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	$\mu g/m^3$	56	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	32	60 *	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	08	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	28	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.58	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Quality Manager:

Test Report No.: A230508C -12.



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Sample Identification	:	A23050812
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	05.05.2023, 12:05 PM
Start Date & Time of Sampling	:	06.05.2023, 12:05 PM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Dam Site
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
		TEST RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	µg/m³	52	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	30	60 -	IS 5182(Part-24):2019
3.	SO ₂	µg/m ³	07	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	24	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.54	02	IS 5182(Part-10):2019 NDIR spectroscopy

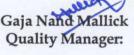
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Sample Identification	:	A23050813
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	04.05.2023, 01:00 PM
End Date & Time of Sampling	:	05.05.2023, 01:00 PM
Date of Receipt	:	08.05.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Rispa Village
Sample Submitted by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
		TEST RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	$\mu g/m^3$	58	100	IS 5182(Part-23):2017
2.	PM _{2.5}	μg/m ³	34	60 *	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	14	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	36	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.64	02	IS 5182(Part-10):2019 NDIR spectroscopy

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****End of Report****

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Quality Manager:





:	A23050814
:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
:	05.05.2023, 01:05 PM
:	06.05.2023, 01:05 PM
:	08.05.2023
:	Ambient Air
:	OK
:	08.05.2023
:	13.05.2023
:	13.05.2023
:	Rispa Village
:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
:	MEL/MSP/7.3/P-01

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	µg/m ³	50	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	30	60 -	IS 5182(Part-24):2019
3.	SO ₂	μg/m ³	09	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	32	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.52	02	IS 5182(Part-10):2019 NDIR spectroscopy

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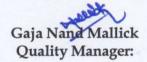


Sample Identification No.	:	S23050801
Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
	:	P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	03.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	D.G.Set-40 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Near Site Office
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	Stack Des	scription
Name of the Emission Sources Monitored	:	Stack
Stack Identification/Stack Details	:	Stack attached to DG Set
Normal Operating Schedule	:	1 Hr.
Location of the Sampling Point	:	Port hole of Stack
Dia of the Stack	:	60 cm
Fuel Used	:	HSD
Pollution Control Device	:	Nil
Sampling Duration	:	1 Hr.
Stack Temperature (°C)	:	128ºC
Ambient Temperature (°C)	:	9°C
Stack Velocity (m/sec.)	:	9.51
Stack velocity (in/sec.)		

Sl. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	50	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	24	IS 11255(Part-2): 2019	-
3.	NOx	mg/Nm ³	46	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.024	IS 13270 : 2019	≤3.5

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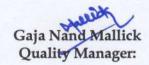


Sample Identification No.	:	S23050802
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	03.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	D.G.Set- 250 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Near Site Office
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	Stack De	
Name of the Emission Sources Monitored	:	Stack
Stack Identification/Stack Details	:	Stack attached to DG set
Normal Operating Schedule	:	1 Hr.
Location of the Sampling Point	:	Port hole of Stack
Dia of the Stack	:	40cm
Fuel Used	:	HSD
Pollution Control Device	:	Nil
Sampling Duration	:	1 Hr.
Stack Temperature (°C)	:	136ºC
Ambient Temperature (°C)	:	9ºC
Stack Velocity (m/sec.)	:	10.71
Quantity of Emission (Nm3/hrs.)	:	229.10

SI. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	46	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	20	IS 11255(Part-2): 2019	
3.	NOx	mg/Nm ³	42	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.018	IS 13270 : 2019	≤3.5

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Test Report No.: S230508C -03.



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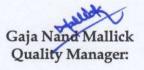
Sample Identification No.	:	S23050803
Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	03.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	D.G. Set-125 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Near Power House
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	Stack Des	
Name of the Emission Sources Monitored	:	
Stack Identification/Stack Details	:	Stack attached to DG Set
Normal Operating Schedule	:	1 Hr.
Location of the Sampling Point	:	Port hole of Stack
Dia of the Stack	:	60 cm
Fuel Used	:	HSD
Pollution Control Device	:	Nil
Sampling Duration	:	1 Hr
Stack Temperature (°C)	:	142ºC
Ambient Temperature (ºC)	:	9°C
Stack Velocity (m/sec.)	:	10.77
Quantity of Emission (Nm3/hrs.)	:	128.24
	TEST R	ESULTS

SI. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	54	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	26	IS 11255(Part-2): 2019	-
3.	NOx	mg/Nm ³	44	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.42	IS 13270 : 2019	≤3.5

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Sample Identification No.	:	S23050804
Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	03.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	D.G.Stack 125 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Near Cement Store
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
Stack 1	Descripti	on
Name of the Emission Sources Monitored	:	Stack
Stack Identification/Stack Details	:	Stack attached to D.G. Set
Normal Operating Schedule	:	1 Hr.
Location of the Sampling Point	:	Port hole of Stack

Norman Operating Schedule		1111.
Location of the Sampling Point	:	Port hole of Stack
Dia of the Stack	:	60 cm
Fuel Used	:	HSD
Pollution Control Device	:	Nil
Sampling Duration	:	1 Hr.
Stack Temperature (°C)	:	134ºC
Ambient Temperature (°C)	:	9ºC
Stack Velocity (m/sec.)	:	10.44
Quantity of Emission (Nm3/hrs.)	:	126.21
	TEST RI	ESULTS

SI. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	46	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	28	IS 11255(Part-2): 2019	
3.	NOx	mg/Nm ³	45	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.26	IS 13270 : 2019	≤3.5

Manoranjan Analyzed by: Notes:



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Test Report No.: S230508C -05.



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Sample Identification No.	:	S23050805
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh
Date of Sampling	:	05.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	D.G.Stack 320 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	ADIT-II
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	Stack De	
Name of the Emission Sources Monitored	:	Stack
Stack Identification/Stack Details	:	Stack attached to D.G. Set
Normal Operating Schedule	:	1 Hr.
Location of the Sampling Point	:	Port hole of Stack
Dia of the Stack	:	80 cm
Fuel Used	:	HSD
Pollution Control Device	:	Nil
Sampling Duration	:	1 Hr
Stack Temperature (°C)	:	140°C
Ambient Temperature (°C)	:	10°C
Stack Velocity (m/sec.)	:	9.32
Quantity of Emission (Nm3/hrs.)	:	197.44

Sl. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	56	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	28	IS 11255(Part-2): 2019	
3.	NOx	mg/Nm ³	44	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.12	IS 13270 : 2019	≤3.5

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Manoranjan Analyzed by: Notes:

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Test Report No.: S230508C -06.



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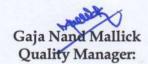


Sample Identification No.	:	S23050806
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	05.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	D.G.Stack 320 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	ADIT-I
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	Descripti	
Name of the Emission Sources Monitored	:	Stack
Stack Identification/Stack Details	:	Stack attached to D.G. Set
Normal Operating Schedule	:	1 Hr.
Location of the Sampling Point	:	Port hole of Stack
Dia of the Stack	;	80 cm
Fuel Used	:	HSD
Pollution Control Device	:	Nil
Sampling Duration	:	1 Hr.
Stack Temperature (°C)	:	138ºC
Ambient Temperature (°C)	:	10ºC
Stack Velocity (m/sec.)	:	10.11
Quantity of Emission (Nm3/hrs.)	:	215.16

SI. No. Parameter Units of Measurements Results Test Method Permissible Lin CPCB Stand							
1.	PM	mg/Nm ³	46	IS 11255(Part-1): 2019	≤0.2		
2.	SO ₂	mg/Nm ³	28	IS 11255(Part-2): 2019	-		
3.	NOx	mg/Nm ³	40	IS 11255(Part-7): 2017	≤4.0		
4.	СО	%	0.14	IS 13270 : 2019	≤3.5		

Manoranjan Analyzed by: Notes:





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Test Report No.: S230508C -07.



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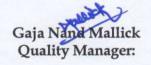
Sample Identification No.	:	S23050807
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	05.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	D.G.Stack 500 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Dam Site Batching Plant
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	Descripti	on
Name of the Emission Sources Monitored	:	Stack
Stack Identification/Stack Details	:	Stack attached to D.G. Set
Normal Operating Schedule	:	1 Hr.
Location of the Sampling Point	:	Port hole of Stack
Dia of the Stack	:	80 cm
Fuel Used	:	HSD
Pollution Control Device	:	Nil
Sampling Duration	:	1 Hr.
Stack Temperature (°C)	:	140°C
Ambient Temperature (°C)	:	10°C
Stack Velocity (m/sec.)	:	10.00
Quantity of Emission (Nm3/hrs.)	:	211.87

		and allor		
TEST	RF	SULTS		

Sl. No.	Parameter	neter Units of Measurements		Protocol	Permissible Limit as per CPCB Standards	
1.	PM	mg/Nm ³	52	IS 11255(Part-1): 2019	≤0.2	
2.	SO ₂	mg/Nm ³	20	IS 11255(Part-2): 2019		
3.	NOx	mg/Nm ³	48	IS 11255(Part-7): 2017	≤4.0	
4.	CO	%	0.42	IS 13270 : 2019	≤3.5	

Manoranjan Analyzed by: Notes:





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Test Report No.: W230508C -01.



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Sam	ple Identification No.			: 1	W23050801				
Nam	e & Address of the Custon	ner			•		. Ltd., Vill Ruwang, ur, (Himachal Pradesh)		
Date of Sampling					06.05.2023				
Date of Receipt					08.05.2023	12 - C. (1974) - C			
Sam	ple Description			: 1	Drinking Wate	r			
Sam	ple Condition			: (Ok				
	Date of Analysis				08.05.2023				
	Date of Analysis				13.05.2023				
	of Reporting	Same and			13.05.2023				
	pling Location				R.O. Water (Inl	and the second se			
	ple Collected By ronmental Condition at La	L			the set of the	and the second	it Kumar Tiwari		
	of Sampling Procedure No				$\frac{1 \text{ emp. } 25 \pm 2 \text{ °C}}{\text{MEL/MSP}/7.3/1}$	Humidity 50 :	E 10 %		
Kel.	of Sampring Procedure No	•	TEST		SULTS	-01			
SI. No.	Parameters	Units	Val		Acceptable Limit	Permissible Limit	Test Method		
1.	pH		7.3	36	6.5-8.5	No Relaxation	IS 3025 : Part-11 : 2022		
2.	Odour	-	Agreeable		e Agreeable	Agreeable	IS 3025 : Part-5 : 2018		
3.	Colour	Hazen Units	<	5	5	15	IS 3025 : Part-4 : 2021		
4.	Temperature	°C	1	2			IS 3025 : Part-19 : 2017		
5.	Turbidity	NTU	1.		1	5	IS 3025 : Part-10 : 2017		
6.	Taste	-	Agree			Agreeable	IS 3025 : Part-7&8 : 2017		
7.	Conductivity	µmhos/cm	29				IS 3025 : Part-14 : 2019		
8.	Total Dissolved Solids	mg/l	19		500	2000	IS 3025 : Part-16 : 2017		
9.	Alkalinity as CaCO ₃	mg/1	7		200	600	IS 3025 : Part-23 : 2019		
10.	Total Hardness as CaCO ₃	mg/l	13		200	600	IS 3025 : Part-21 : 2019		
10.	Calcium as Ca	mg/1 mg/1			75	200	IS 3025 : Part-40 : 2019		
	Magnesium as Mg	mg/1 mg/1	44	1035	30	100	IS 3025 : Part-46 : 2019		
12.			4.8	222					
13.	Manganese as Mn Chloride as Cl	mg/1	<0.		0.1	0.3	IS 3025 : Part-2 : 2019		
14.		mg/1	22		250	1000	IS 3025 : Part-32 : 2019		
	Nitrate as NO ₃	mg/l	9.		45		IS 3025 : Part-34 : 2019		
16.	Sulphate as SO ₄	mg/l	4(200 ,	400	IS 3025 : Part-24 : 2019		
17.	Sulphide as H ₂ S	mg/l	NI		0.05	No Relaxation	IS 3025 : Part-29 : 2019		
18.	Fluoride as F	mg/l	NI		<1.0	1.5	IS 3025 : Part-60 : 2019		
19.	Free Residual Chlorine	mg/l	NI)#	0.2	1	IS 3025 : Part-26 : 2021		
20.	Ammonia as N	mg/l	NI)#	0.5	No Relaxation	IS 3025 : Part-34 : 2019		
21.	Anionic Detergents as MBAS	mg/l	NI)#	0.2	1.0	Annexure K of IS:13428, 2018		
22.	Iron as Fe	mg/l	<0.	02	0.3	No Relaxation	IS 3025 : Part-2 : 2019		
23.	Phenolic Compound	mg/l	<0.0	001	0.001	0.002	IS 3025 : Part-43 : 2019		
24.	Copper as Cu	mg/l	<0.0	005	0.05	1.5	IS 3025 : Part-2 : 2019		

Test Report No.: W230508C -01.

25.	Aluminium as Al	mg/l	< 0.005	0.03	0.2	IS 3025 : Part-2 : 2019
26.	Barium as Ba	mg/l	0.042	0.7	No Relaxation	IS 3025 : Part-2 : 2019
27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025 : Part-2 : 2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025 : Part-2 : 2019
29.	Mercury as Hg	mg/l	< 0.0005	0.001	No Relaxation	IS 3025 : Part-48 : 2019
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	IS 3025 : Part-2 : 2019
31.	Total Arsenic as As	mg/l	< 0.005	0.01	0.05	IS 3025 : Part-2 : 2019
32.	Lead as Pb	mg/l	< 0.005	0.01	No Relaxation	IS 3025 : Part-2 : 2019
33.	Nickel as Ni	mg/l	< 0.005	0.02	No Relaxation	IS 3025 : Part-2 : 2019
34.	Total Chromium as Cr	mg/l	< 0.005	0.05	No Relaxation	IS 3025 : Part-2 : 2019
35.	Total Coliform	MPN/100ml	Absent	Absent	Absent	IS: 1622: 1981
36.	Faecal Coliform	MPN/100ml	Absent	Absent	Absent	IS: 1622: 1981

#ND- Not Detected

Ajmal Husain

Analyzed by:

Notes:

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****End of Report****

Gaja Nand Mallick

Quality Manager:

Test Report No.: W230508C -02.



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Sam	ple Identification No.			:	W	23050802			
	e & Address of the Custon	ner		:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)				
Date of Sampling					06.05.2023				
Date of Receipt				:	08.05.2023				
	ple Description	P		:	Drinking Water				
	ple Condition			:	Ol			State Party in	
	Date of Analysis			:	08.	.05.2023			
_	Date of Analysis			:		.05.2023			
	of Reporting		-	:	_	.05.2023			
	pling Location ple Collected By			:	_			it Kumar Tiwari	
	ronmental Condition at La	h		_	_		utlet) Dam Site C Humidity 50 ±	10.0/	
	of Sampling Procedure No			_	ALC: NOTE OF	EL/MSP/7.3/		L 10 70	
	or oumpring recourter re		TEST	-			1-01		
SI. No.	Parameters	Units	Val			Acceptable Limit	Permissible Limit	Test Method	
1.	pH	-	6.5	58		6.5-8.5	No Relaxation	IS 3025(Part-11) : 2022	
2.	Odour	-	Agree	eab	le	Agreeable	Agreeable	IS 3025(Part-5) : 2018	
3.	Colour	Hazen Units	<5	5		5	15	IS 3025(Part-4) : 2021	
4.	Temperature	°C	14	ł				IS 3025(Part-19) : 2017	
5.	Turbidity	NTU	0.8	8		1	5	IS 3025(Part-10) : 2017	
6.	Taste	-	Agreea	abl	e	Agreeable	Agreeable	IS 3025(Part-7&8) : 2017	
7.	Conductivity	µmhos/cm	20	10				IS 3025(Part-14) : 2019	
8.	Total Dissolved Solids	mg/l	13	0		500	2000	IS 3025(Part-16) : 2017	
9.	Alkalinity as CaCO ₃	mg/l	28	3		200	600	IS 3025(Part-23): 2019	
10.	Total Hardness as CaCO ₃	mg/l	52			200	600	IS 3025(Part-21): 2019	
11.	Calcium as Ca	mg/1	15.			75	200	IS 3025(Part-40) : 2019	
12.	Magnesium as Mg	mg/1	3.4			30	100	IS 3025(Part-46) : 2019	
13.	Manganese as Mn	mg/l	<0.0	1		0.1	0.3	IS 3025(Part-2) : 2019	
14.	Chloride as Cl	mg/l	18	_		250	1000	IS 3025(Part-32) : 2019	
15.	Nitrate as NO ₃	mg/1	6.2	_	-	45		IS 3025(Part-34) : 2019	
16.	Sulphate as SO ₄	mg/l	28	_	-	200	400	IS 3025(Part-24) : 2019	
17.	Sulphide as H ₂ S	mg/l	ND			0.05	No Relaxation	IS 3025(Part-29) : 2019	
18.	Fluoride as F	mg/l	ND	_		<1.0	1.5	IS 3025(Part-60) : 2019	
19.	Free Residual Chlorine	mg/l	ND	-	-	0.2	1.0	IS 3025(Part-26) : 2021	
20.	Ammonia as N	mg/1	ND		1	0.5	No Relaxation	IS 3025(Part-34) : 2019	
21.	Anionic Detergents as MBAS	mg/1	ND			0.2	1.0	Annexure K of IS:13428, 2018	
22.	Iron as Fe	mg/l	<0.0)2		0.3	No Relaxation	IS 3025Part-2) : 2019	
23.	Phenolic Compound	mg/l	<0.0	_		0.001	0.002	IS 3025(Part-43): 2019	
24.	Copper as Cu	mg/l	<0.0			0.05	1.5	IS 3025(Part-2): 2019	
25.	Aluminium as Al	mg/1	<0.0		-+	0.03	0.2	IS 3025(Part-2) : 2019	
26.	Barium as Ba	mg/1 mg/1	0.04		-	0.7	No Relaxation	IS 3025(Part-2) : 2019	

Test Report No.: W230508C -02.

Gaja Nand Mallick

Quality Manager:

27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025(Part-2): 2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025(Part-2): 2019
29.	Mercury as Hg	mg/l	< 0.0005	0.001	No Relaxation	IS 3025(Part-48): 2019
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	IS 3025(Part-2): 2019
31.	Total Arsenic as As	mg/l	0.004	0.01	0.05	IS 3025(Part-2): 2019
32.	Lead as Pb	mg/l	< 0.005	0.01	No Relaxation	IS 3025(Part-2): 2019
33.	Nickel as Ni	mg/l	< 0.005	0.02	No Relaxation	IS 3025(Part-2): 2019
34.	Total Chromium as Cr	mg/l	< 0.005	0.05	No Relaxation	IS 3025(Part-2): 2019
35.	Total Coliform	MPN/100ml	Absent	Absent	Absent	IS: 1622: 1981
36.	Faecal Coliform	MPN/100ml	Absent	Absent	Absent	IS: 1622: 1981

#ND- Not Detected

Ajmal Husain

Analyzed by:

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****End of Report***

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Seal of Lab;





Sample Identification No.	:	W23050803
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	06.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	Drinking Water
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	R.O.Water (Inlet) Project Site
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01

SI. No.	Parameters	Units	Value	Acceptable Limit	Permissible Limit	Test Method
1.	pН	-	7.44	6.5-8.5	No Relaxation	IS 3025(Part-11) : 2022
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-5) : 2018
3.	Colour	Hazen Units	<5	5	15	IS 3025(Part-4) : 2021
4.	Temperature	°C	16			IS 3025(Part-19) : 2017
5.	Turbidity	NTU	1.2	1	- 5	IS 3025(Part-10) : 2017
6.	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-7&8) : 2017
7.	Conductivity	µmhos/cm	339			IS 3025(Part-14) : 2019
8.	Total Dissolved Solids	mg/l	220	500	2000	IS 3025(Part-16): 2017
9.	Alkalinity as CaCO3	mg/l	72	200	600	IS 3025(Part-23): 2019
10.	Total Hardness as CaCO ₃	mg/l	114	200	600	IS 3025(Part-21): 2019
11.	Calcium as Ca	mg/l	37.6	75	200	IS 3025(Part-40): 2019
12.	Magnesium as Mg	mg/l	4.86	30	100	IS 3025(Part-46): 2019
13.	Manganese as Mn	mg/l	< 0.02	0.1	0.3	IS 3025(Part-2): 2019
14.	Chloride as Cl	mg/l	36	250	1000	IS 3025(Part-32): 2019
15.	Nitrate as NO ₃	mg/l	7.8	45	No Relaxation	IS 3025(Part-34): 2019
16.	Sulphate as SO ₄	mg/l	46	200	400	IS 3025(Part-24): 2019
17.	Sulphide as H ₂ S	mg/l	ND#	0.05	No Relaxation	IS 3025(Part-29): 2019
18.	Fluoride as F	mg/l	ND#	<1.0	1.5	IS 3025(Part-60): 2019
19.	Free Residual Chlorine	mg/l	ND#	0.2	1	IS 3025(Part-26): 2021
20.	Ammonia as N	mg/l	ND#	0.5	No Relaxation	IS 3025(Part-34): 2019
21.	Anionic Detergents as MBAS	mg/l	ND#	0.2	1.0	Annexure K of IS:13428, 2018
22.	Iron as Fe	mg/l	0.14	0.3	No Relaxation	IS 3025Part-2): 2019
23.	Phenolic Compound	mg/l	<0.001	0.001	0.002	IS 3025(Part-43): 2019
24.	Copper as Cu	mg/l	< 0.005	0.05	1.5	IS 3025(Part-2): 2019
25.	Aluminium as Al	mg/l	< 0.005	0.03	0.2	IS 3025(Part-2): 2019
26.	Barium as Ba	mg/l	0.026	0.7	No Relaxation	IS 3025(Part-2): 2019

Gaja Nand Mallick

Quality Manager:

-	1					
27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025(Part-2): 2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025(Part-2): 2019
29.	Mercury as Hg	mg/l	< 0.0005	0.001	No Relaxation	IS 3025(Part-48) : 2019
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	IS 3025(Part-2): 2019
31.	Total Arsenic as As	mg/l	< 0.005	0.01	0.05	IS 3025(Part-2): 2019
32.	Lead as Pb	mg/l	< 0.005	0.01	No Relaxation	IS 3025(Part-2): 2019
33.	Nickel as Ni	mg/l	0.006	0.02	No Relaxation	IS 3025(Part-2): 2019
34.	Total Chromium as Cr	mg/l	< 0.005	0.05	No Relaxation	IS 3025(Part-2): 2019
35.	Total Coliform	MPN/100ml	Absent	Absent	Absent	IS: 1622: 1981
36.	Faecal Coliform	MPN/100ml	Absent	Absent	Absent	IS: 1622: 1981

#ND- Not Detected

Ajmal Husain Analyzed by:

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****End of Report***

Seal of Lab





Dat	e of Sampling e of Receipt				5.05.2023 3.05.2023				
San	nple Description	1.20.20		: D	rinking Water				
San	nple Condition			: 0	k				
Star	rt Date of Analysis			: 08.05.2023					
End Date of Analysis				: 13	13.05.2023				
Dat	e of Reporting			: 13	3.05.2023				
San	npling Location			: R	.O.Water (Out	let) Project Site			
San	nple Collected By			: M	ld. Danish Al	am & Mr. Ankit	Kumar Tiwari		
Environmental Condition at Lab					Temp. 25 ± 2 °C Humidity 50 ± 10 %				
Ref. of Sampling Procedure No.					IEL/MSP/7.3/P	-01			
			TEST	RES	SULTS				
51. No	Parameters	Units	Va	lue	Acceptable	Permissible	Test Method		

SI. No.	Parameters	Units	Value	Acceptable Limit	Permissible Limit	Test Method
1.	pH	-	7.42	6.5-8.5	No Relaxation	IS 3025(Part-11) : 2022
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-5) : 2018
3.	Colour	Hazen Units	<5	5	15	IS 3025(Part-4) : 2021
4.	Temperature	°C	14			IS 3025(Part-19) : 2017
5.	Turbidity	NTU	0.5	1	5	IS 3025(Part-10) : 2017
6.	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-7&8): 2017
7.	Conductivity	µmhos/cm	214			IS 3025(Part-14) : 2019
8.	Total Dissolved Solids	mg/l	139	500	2000	IS 3025(Part-16) : 2017
9.	Alkalinity as CaCO ₃	mg/1	50	200	600	IS 3025(Part-23): 2019
10.	Total Hardness as CaCO ₃	mg/l	68	200	600	IS 3025(Part-21): 2019
11.	Calcium as Ca	mg/l	19.2	75	200	IS 3025(Part-40): 2019
12.	Magnesium as Mg	mg/l	4.86	30	100	IS 3025(Part-46): 2019
13.	Manganese as Mn	mg/1	<0.02	0.1	0.3	IS 3025(Part-2): 2019
14.	Chloride as Cl	mg/l	26	250	1000	IS 3025(Part-32): 2019
15.	Nitrate as NO ₃	mg/l	4.2	45	No Relaxation	IS 3025(Part-34): 2019
16.	Sulphate as SO ₄	mg/l	24	200	400	IS 3025(Part-24): 2019
17.	Sulphide as H ₂ S	mg/l	ND#	0.05	No Relaxation	IS 3025(Part-29): 2019
18.	Fluoride as F	mg/1	ND#	<1.0	1.5	IS 3025(Part-60): 2019
19.	Free Residual Chlorine	mg/1	ND#	0.2	1	IS 3025(Part-26): 2021
20.	Ammonia as N	mg/l	ND#	0.5	No Relaxation	IS 3025(Part-34): 2019
21.	Anionic Detergents as MBAS	mg/l	ND#	0.2	1.0	Annexure K of IS:13428, 2018
22.	Iron as Fe	mg/1	0.018	0.3	No Relaxation	IS 3025Part-2): 2019
23.	Phenolic Compound	mg/l	<0.001	0.001	0.002	IS 3025(Part-43): 2019
24.	Copper as Cu	mg/l	<0.005	0.05	1.5	IS 3025(Part-2): 2019
25.	Aluminium as Al	mg/l	< 0.005	0.03	0.2	IS 3025(Part-2): 2019
26.	Barium as Ba	mg/l	0.025	0.7	No Relaxation	IS 3025(Part-2): 2019

Test Report No.: W230508C -04.

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Quality Manager:

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27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025(Part-2): 2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025(Part-2): 2019
29.	Mercury as Hg	mg/l	< 0.0005	0.001	No Relaxation	
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	
31.	Total Arsenic as As	mg/l	< 0.005	0.01	0.05	IS 3025(Part-2): 2019
32.	Lead as Pb	mg/l	< 0.005	0.01	No Relaxation	
33.	Nickel as Ni	mg/l	< 0.005	0.02	No Relaxation	IS 3025(Part-2): 2019
34.	Total Chromium as Cr	mg/l	< 0.005	0.05	No Relaxation	
35.	Total Coliform	MPN/100ml	Absent	Absent	Absent	IS 1622 : 1981
36.	Faecal Coliform	MPN/100ml	Absent	Absent	Absent	IS 1622 : 1981

#ND- Not Detected

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Ajmal Husain Analyzed by:

Notes:

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****End of Report***

Seal of Lab:





Sample Identification No.	:	W23050805		
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh		
Date of Sampling	:	06.05.2023		
Date of Receipt	:	08.05.2023		
Sample Description	:	Surface Water (Tidong River)		
Sample Condition	:	Ok		
Start Date of Analysis	:	08.05.2023		
End Date of Analysis	:	13.05.2023		
Date of Reporting	:	13.05.2023		
Sampling Location	:	Up Stream Near Dam Site		
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari		
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %		
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01		
	TEST F	RESULTS		

SI. No.	Parameters	Units	Value	Designated Class D	Test Method
1.	pH		7.64	6.5-8.5	IS 3025(Part-11) : 2022
2.	Odour	-	Agreeable		IS 3025(Part-5) : 2018
3.	Colour	Hazen Units	<5		IS 3025(Part-4) : 2021
4.	Temperature	°C	14		IS 3025(Part-19) : 2017
5.	Turbidity	NTU	1.6	•	IS 3025(Part-10) : 2017
6.	Taste	-	Agreeable		IS 3025(Part-7&8) : 2017
7.	Conductivity	µmhos/cm	417		IS 3025(Part-14) : 2019
8.	Total Dissolved Solids	mg/l	271		IS 3025(Part-16) : 2017
9.	Alkalinity as CaCO ₃	mg/l	90		IS 3025(Part-23): 2019
10.	Total Hardness as CaCO ₃	mg/l	174		IS 3025(Part-21): 2019
11.	Calcium as as CaCO ₃	mg/l	120		IS 3025(Part-40): 2019
12.	Magnesium as CaCO ₃	mg/l	54		IS 3025(Part-46): 2019
13.	Manganese as Mn	mg/l	<0.01		IS 3025(Part-2): 2019
14.	Chloride as Cl	mg/l	62		IS 3025(Part-32): 2019
15.	Nitrate as NO ₃	mg/l	6.2		IS 3025(Part-34): 2019
16.	Sulphate as SO ₄	mg/1	46		IS 3025(Part-24): 2019
17.	Sulphide as H ₂ S	mg/l	ND#		IS 3025(Part-29): 2019
18.	Fluoride as F	mg/l	ND#		IS 3025(Part-60): 2019
19.	Total Ammonia as N	mg/l	ND#		IS 3025(Part-34): 2019
20.	Anionic Detergents as MBAS	mg/l	ND#		Annexure K of IS:13428,2018
21.	Iron as Fe	mg/l	< 0.02		IS 3025(Part-2): 2019
22.	Phenolic Compound	mg/l	ND#		IS 3025(Part-43): 2019
23.	Copper as Cu	mg/l	< 0.005		IS 3025(Part-2): 2019
24.	Aluminium as Al	mg/l	0.004	,	IS 3025(Part-2): 2019
25.	Boron as B	mg/l	<0.1		IS 3025(Part-2): 2019
26.	Barium as Ba	mg/l	0.034		IS 3025(Part-2): 2019
27.	Zinc as Zn	mg/l	< 0.02		IS 3025(Part-2): 2019

Test Report No.: W230508C -05.

28.	Cadmium as Cd	mg/l	< 0.002		IS 3025(Part-2): 2019
29.	Total Arsenic as As	mg/l	< 0.005		IS 3025(Part-2): 2019
30.	Lead as Pb	mg/l	< 0.005		IS 3025(Part-2): 2019
31.	Nickel as Ni	mg/l	< 0.005		IS 3025(Part-2): 2019
32.	Total Chromium as Cr	mg/l	<0.005		IS 3025(Part-2): 2019
33.	Dissolved Oxygen	mg/l	7.6	≥4mg/l	IS 3025(Part-38): 2019
34.	BOD	mg/1	5.2		IS 3025(Part-44): 2019
35.	COD	mg/l	44		IS 3025(Part-58): 2017
36.	Total Coliform	MPN/100ml	849		IS 1622 : 1981
37.	Faecal Coliform	MPN/100ml	486		IS 1622:1981

#ND- Not Detected

Designated Best Use	Class	
Drinking Water source without conventional treatment but after disinfection	A	
Outdoor Bathing(Organized)	B	
Drinking water source after conventional treatment & disinfection	C	
Propagation of wild life & Fisheries	D	\checkmark
Irrigation, Industrial cooling, Controlled Waste Disposal	E	
	Below E	

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Seal of Lab:

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Ajmal Husain Analyzed by:

Notes:

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****End of Report***



Gaja Nand Mallick

Quality Manager:

Test Report No.: W230508C -06.



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Sample Identification No.	:	W23050806
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	06.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	Surface Water (Tidong River)
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	Down Stream Near Project Site
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01

Sl. No.	Parameters	Units	Value	Acceptable Limit	Test Method
1.	pH	-	7.46	6.5-8.5	IS 3025(Part-11): 2022
2.	Odour	-	Agreeable		IS 3025(Part-5) : 2018
3.	Colour	Hazen Units	<5		IS 3025(Part-4) : 2021
4.	Temperature	°C	16		IS 3025(Part-19): 2017
5.	Turbidity	NTU	1.4		IS 3025(Part-10) : 2017
6.	Taste	-	Agreeable		IS 3025(Part-7&8) : 2017
7.	Conductivity	µmhos/cm	301		IS 3025(Part-14) : 2019
8.	Total Dissolved Solids	mg/l	196		IS 3025(Part-16) : 2017
9.	Alkalinity as CaCO ₃	mg/l	84		IS 3025(Part-23): 2019
10.	Total Hardness as CaCO ₃	mg/l	106		IS 3025(Part-21): 2019
11.	Calcium as CaCO ₃	mg/l	86		IS 3025(Part-40): 2019
12.	Magnesium as CaCO ₃	mg/l	20		IS 3025(Part-46): 2019
13.	Manganese as Mn	mg/l	< 0.02		IS 3025(Part-2): 2019
14.	Chloride as Cl	mg/l	34		IS 3025(Part-32): 2019
15.	Nitrate as NO3	mg/l	5.8		IS 3025(Part-34): 2019
16.	Sulphate as SO ₄	mg/l	26		IS 3025(Part-24): 2019
17.	Sulphide as H ₂ S	mg/l	ND#		IS 3025(Part-29): 2019
18.	Fluoride as F	mg/l	ND#		IS 3025(Part-60): 2019
19.	Total Ammonia as N	mg/l	ND#		IS 3025(Part-34): 2019
20.	Anionic Detergents as MBAS	mg/l	ND#		Annexure K of IS:13428
21.	Iron as Fe	mg/l	0.082		IS 3025(Part-2): 2019
22.	Phenolic Compound	mg/l	ND#		IS 3025(Part-43): 2019
23.	Copper as Cu	mg/l	< 0.005		IS 3025(Part-2): 2019
24.	Aluminium as Al	mg/l	0.12		IS 3025(Part-2): 2019
25.	Boron as B	mg/l	<0.1		IS 3025(Part-2): 2019
26.	Barium as Ba	mg/l	0.036		IS 3025(Part-2): 2019

Test Report No.: W230508C -06.

27.	Zinc as Zn	mg/l	< 0.02		IS 3025(Part-2): 2019
28.	Cadmium as Cd	mg/l	< 0.002		IS 3025(Part-2): 2019
29.	Total Arsenic as As	mg/l	< 0.005		IS 3025(Part-2): 2019
30.	Lead as Pb	mg/l	< 0.005		IS 3025(Part-2): 2019
31.	Nickel as Ni	mg/l	< 0.005		IS 3025(Part-2): 2019
32.	Total Chromium as Cr	mg/l	< 0.005		IS 3025(Part-2): 2019
33.	Dissolved Oxygen	mg/l	6.4	≥4mg/1	IS 3025(Part-38): 2019
34.	BOD	mg/l	7.8		IS 3025(Part-44): 2019
35.	COD	mg/l	64		IS 3025(Part-58): 2017
36.	Total Coliform	MPN/100ml	999		IS 1622 : 1981
37.	Faecal Coliform	MPN/100ml	515		IS 1622 : 1981

#ND- Not Detected

Designated Best Use	Class	
Drinking Water source without conventional treatment but after disinfection	A	
Outdoor Bathing(Organized)	B	
Drinking water source after conventional treatment & disinfection	C	
Propagation of wild life & Fisheries	D	V
Irrigation, Industrial cooling, Controlled Waste Disposal	E	
	Below E	

Aunal Ajmal Husain Analyzed by:

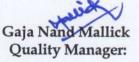
Notes:

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****End of Report***

Seal of Lab:

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Sample Identification No.	:	W23050807
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	06.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	Waste Water
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	STP Un-Treated Dam Site
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TEST	T RESULTS

Sl. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	pH	-	6.46		IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/l	450		IS 3025(Part-17):2021
3.	COD	mg/l	756	250	IS 3025(Part-58):2017
4.	BOD	mg/l	454		IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	270	20	IS 3025(Part-39) : 2021

Ajmal Husain Analyzed by:

Notes:

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****End of Report***

Gaja Nand Mallick

Quality Manager:



Test Report No.: W230508C -08.



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Sample Identification No.	:	W23050808
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	06.05.2023
Date of Receipt	:	08.05.2023
Sample Description	:	Waste Water
Sample Condition	:	Ok
Start Date of Analysis	:	08.05.2023
End Date of Analysis	:	13.05.2023
Date of Reporting	:	13.05.2023
Sampling Location	:	STP Treated Dam Site
Sample Collected By	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TEST	RESULTS

Sl. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	рН	-	6.82	5.5-9.0	IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/l	86	100	IS 3025(Part-17):2021
3.	COD	mg/l	120	250	IS 3025(Part-58):2017
4.	BOD	mg/l	66	30	IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	162	20	IS 3025(Part-39): 2021

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Analyzed by:

Notes:

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****End of Report***

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Seal of Lab:

Gaja Nand Mallick

Quality Manager:

Test Report No.: N230508C -01.



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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	02.05.2023
Date of Reporting	:	13.05.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Power House
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020

Monitoring Report

S1. No.						Category of Area
	Ld	Ln	Lmin	Lmax	Leq	
1.	54.31	38.78	38.50	58.20	51.75	Industrial Area

Standards of Noise Level

	As Per CPCB Guidelines							
Sl. No.	Category of Area	Day dB (A)	Night dB (A)					
1.	Industrial Area	75	70					
2.	Commercial Area	65	55					
3.	Residential Area	55	45					
4.	Silence Zone	50	40					

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Gaja Nand Mallick Quality Manager:

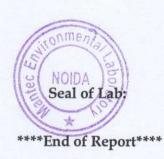




Location		Power Ho	ouse	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	53.50	55.53	56.90
	07:00AM-08:00AM	53.80	57.08	58.20
	08:00AM-09:00AM	54.70	55.43	56.20
	09:00AM-10:00AM	53.60	54.49	55.50
	10:00AM-11:00AM	52.20	54.78	57.20
	11:00AM-12:00PM	53.20	55.10	57.80
	12:00PM-01:00PM	52.60	55.37	57.60
	01:00PM-02:00PM	52.90	54.85	57.20
	02:00PM-03:00PM	53.40	54.90	56.60
	03:00PM-04:00PM	54.30	55.90	57.20
	04:00PM-05:00PM	54.20	55.32	57.20
02.05.2023	05:00PM-06:00PM	54.40	55.60	57.90
	06:00PM-07:00PM	53.60	54.59	55.60
	07:00PM-08:00PM	52.80	54.60	56.40
	08:00PM-09:00PM	53.20	55.22	56.60
	09:00PM-10:00PM	52.80	54.45	55.70
	10:00PM-11:00PM	42.60	45.82	48.50
	11:00PM-12:00AM	43.60	45.64	48.20
	12:00AM-01:00AM	42.60	43.80	45.80
	01:00AM-02:00AM	41.60	45.17	45.80
	02:00AM-03:00AM	40.20	43.53	45.20
	03:00AM-04:00AM	38.50	42.40	44.40
	04:00AM-05:00AM	41.60	44.80	46.30
	05:00AM-06:00AM	43.20	47.72	49.20
	Average	38.50	51.75	58.20

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Analyzed by:



Gaja Nand Mallick Quality Manager:





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	02.05.2023
Date of Reporting	:	13.05.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Near Site Office
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020

Monitoring Report

SI. No.			Category of Area			
	Ld	Ln	Lmin	Lmax	Leq	
1.	54.12	40.10	37.40	56.80	47.81	Industrial Area

Standards of Noise Level

	As Per CPCB Guidelines						
S1. No.	Category of Area	Day dB (A)	Night dB (A)				
1.	Industrial Area	75	70				
2.	Commercial Area	65	55				
3.	Residential Area	55	45				
4.	Silence Zone	50	40				

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Manoranjan Analyzed by:



Gaja Nand Mallick **Quality Manager:**





Location		Near Site C	Office	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	43.50	45.27	46.30
	07:00AM-08:00AM	43.80	46.46	51.10
	08:00AM-09:00AM	44.60	49.80	53.80
1.1.1.1.1.1.1.1.1	09:00AM-10:00AM	45.20	48.57	50.40
02.05.2023	10:00AM-11:00AM	46.80	49.37	51.30
	11:00AM-12:00PM	51.80	53.89	56.10
	12:00PM-01:00PM	52.50	54.52	56.30
	01:00PM-02:00PM	53.20	54.96	56.40
	02:00PM-03:00PM	53.60	55.11	56.40
	03:00PM-04:00PM	54.10	55.55	56.80
	04:00PM-05:00PM	49.70	51.91	54.20
	05:00PM-06:00PM	49.20	51.85	55.20
	06:00PM-07:00PM	45.20	47.72	50.20
	07:00PM-08:00PM	46.80	50.00	52.60
	08:00PM-09:00PM	45.50	50.06	52.60
	09:00PM-10:00PM	46.40	49.87	51.40
	10:00PM-11:00PM	39.50	42.89	47.20
	11:00PM-12:00AM	38.80	41.79	44.30
	12:00AM-01:00AM	37.40	40.22	43.20
	01:00AM-02:00AM	38.20	42.37	44.80
	02:00AM-03:00AM	38.40	40.47	42.50
	03:00AM-04:00AM	40.10	41.99	43.80
	04:00AM-05:00AM	37.80	41.34	44.60
	05:00AM-06:00AM	41.60	41.49	46.31
	Average	37.40	47.81	56.80

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Gaja Nand Mallick Quality Manager:

Test Report No.: N230508C -03.



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Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Prades		
Date of Monitoring	:	03.05.2023		
Date of Reporting	:	13.05.2023		
Sample Description	:	Noise Monitoring		
Sampling Location	:	Near Store Room		
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari		
Test Method	:	IS 9989 : 2020		

Monitoring Report

SI. No.						Category of Area
Ē	Ld	Ln	Lmin	Lmax	Leq	
1.	52.00	39.70	39.70	58.80	52.65	Industrial Area

Standards of Noise Level

	As Per CPCB Guidelines						
Sl. No.	Category of Area	Day dB (A)	Night dB (A)				
1.	Industrial Area	75	70				
2.	Commercial Area	65	55				
3.	Residential Area	55	45				
4.	Silence Zone	50	40				

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Gaja Nand Mallick **Quality Manager:**





Location		Near Store I	Room	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	52.60	55.17	58.70
	07:00AM-08:00AM	52.80	56.11	58.80
	08:00AM-09:00AM	53.00	54.14	56.10
	09:00AM-10:00AM	51.40	53.74	56.20
	10:00AM-11:00AM	52.30	55.14	58.80
	11:00AM-12:00PM	51.60	56.75	58.70
	12:00PM-01:00PM	51.80	54.28	56.40
	01:00PM-02:00PM	52.10	53.47	56.10
	02:00PM-03:00PM	51.60	54.93	57.60
	03:00PM-04:00PM	52.00	53.26	54.60
	04:00PM-05:00PM	51.60	57.14	58.40
03.05.2023	05:00PM-06:00PM	52.80	54.84	56.50
	06:00PM-07:00PM	51.60	54.30	56.40
	07:00PM-08:00PM	52.20	- 54.23	56.20
	08:00PM-09:00PM	50.60	53.58	55.40
	09:00PM-10:00PM	51.60	53.44	54.60
	10:00PM-11:00PM	39.70	48.02	56.20
	11:00PM-12:00AM	39.70	48.46	56.30
	12:00AM-01:00AM	39.90	50.18	56.70
	01:00AM-02:00AM	39.70	43.71	48.60
	02:00AM-03:00AM	39.70	53.47	56.90
	03:00AM-04:00AM	39.70	48.53	56.20
	04:00AM-05:00AM	39.70	47.04	56.10
	05:00AM-06:00AM	39.70	49.68	56.30
No Constant State	Average	39.70	52.65	58.80

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Gaja Nand Mallick Quality Manager:

Test Report No.: N230508C -04.



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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	04.05.2023
Date of Reporting	:	13.05.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	ADIT-I
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020

Monitoring Report

SI. No.		r	Category of Area			
	Ld	Ln	Lmin	Lmax	Leq	
1.	54.82	39.20	36.20	57.40	48.25	Industrial Area

Standards of Noise Level

As Per CPCB Guidelines						
Sl. No.	Category of Area	Day dB (A)	Night dB (A)			
1.	Industrial Area	75	70			
2.	Commercial Area	65	55			
3.	Residential Area	55	45			
4.	Silence Zone	50	40			

VSL



Gaja Nand Mallick **Quality Manager:**





Location		ADIT-	I	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	42.60	44.85	46.30
	07:00AM-08:00AM	44.20	45.82	47.60
	08:00AM-09:00AM	47.10	51.68	55.20
	09:00AM-10:00AM	46.60	49.78	51.40
	10:00AM-11:00AM	47.50	50.08	52.60
	11:00AM-12:00PM	53.40	54.68	55.80
	12:00PM-01:00PM	53.80	55.24	57.20
	01:00PM-02:00PM	54.10	55.37	57.40
	02:00PM-03:00PM	54.10	55.23	56.40
	03:00PM-04:00PM	54.80	55.82	56.90
	04:00PM-05:00PM	50.20	52.78	56.40
04.05.2023	05:00PM-06:00PM	50.90	54.18	56.50
04.05.2025	06:00PM-07:00PM	46.60	49.80	52.80
	07:00PM-08:00PM	47.30	50.57	52.70
	08:00PM-09:00PM	46.60	50.68	52.80
	09:00PM-10:00PM	47.90	51.19	52.80
	10:00PM-11:00PM	38.60	42.18	46.50
	11:00PM-12:00AM	38.80	41.01	42.50
	12:00AM-01:00AM	36.50	40.24	43.50
	01:00AM-02:00AM	38.50	42.57	45.30
	02:00AM-03:00AM	38.40	40.47	42.50
	03:00AM-04:00AM	39.20	41.77	43.50
	04:00AM-05:00AM	36.20	40.54	43.20
	05:00AM-06:00AM	39.50	41.49	43.80
	Average	36.20	48.25	57.40



Gaja Nand Mallick Quality Manager:





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	27.11.2022
Date of Reporting	:	13.05.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	ADIT-II
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020

Monitoring Report

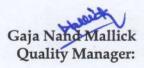
SI. No.			Category of Area			
	Ld	Ln	Lmin	Lmax	Leq	
1.	53.18	38.79	37.30	58.90	49.89	Industrial Area

Standards of Noise Level

	As Per CPCB Guidelines							
S1. No.	Category of Area	Day dB (A)	Night dB (A)					
1.	Industrial Area	75	70					
2.	Commercial Area	65	55					
3.	Residential Area	55	45					
4.	Silence Zone	50	40					

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Location		ADIT-	II	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	47.20	47.90	51.90
	07:00AM-08:00AM	48.60	50.70	52.20
	08:00AM-09:00AM	49.20	51.60	53.90
	09:00AM-10:00AM	50.40	52.56	54.40
	10:00AM-11:00AM	51.90	54.10	56.30
	11:00AM-12:00PM	53.80	56.07	58.20
	12:00PM-01:00PM	52.80	54.39	55.40
	01:00PM-02:00PM	52.40	56.93	58.80
	02:00PM-03:00PM	52.30	54.50	58.80
04.05.2023	03:00PM-04:00PM	52.30	57.36	58.30
	04:00PM-05:00PM	52.40	55.37	58.60
	05:00PM-06:00PM	52.40	57.62	58.80
04.05.2025	06:00PM-07:00PM	53.40	57.73	58.90
	07:00PM-08:00PM	52.30	57.47	58.80
	08:00PM-09:00PM	46.60	50.68	52.80
	09:00PM-10:00PM	43.10	46.31	48.60
	10:00PM-11:00PM	42.10	45.88	49.80
	11:00PM-12:00AM	40.50	42.97	45.90
	12:00AM-01:00AM	39.70	41.31	42.50
	01:00AM-02:00AM	37.30	38.93	40.50
	02:00AM-03:00AM	37.50	38.77	40.40
	03:00AM-04:00AM	38.70	40.91	42.80
	04:00AM-05:00AM	40.60	42.73	44.50
	05:00AM-06:00AM	42.80	44.55	46.20
	Average	37.30	49.89	58.90

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Analyzed by:



Gaja Nand Mallick Quality Manager:

Test Report No.: N230508C -06.



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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	05.05.2023
Date of Reporting	:	13.05.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Dam Site
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020

Monitoring Report

S1. No.		1	Category of Area			
	Ld	Ln	Lmin	Lmax	Leq	
1.	52.40	39.42	36.20	59.60	51.58	Industrial Area

Standards of Noise Level

	As Per CPCB Guidelines						
Sl. No.	Category of Area	Day dB (A)	Night dB (A)				
1.	Industrial Area	75	70				
2.	Commercial Area	65	55				
3.	Residential Area	55	45				
4.	Silence Zone	50	40				

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Gaja Nand Mallick **Quality Manager:**





Location		Dam Si	te	
Date	Day/ Hours	Lmin	Leq	Lmax
- Artesta	06:00AM-07:00AM	53.20	55.78	59.30
	07:00AM-08:00AM	53.20	56.27	58.80
	08:00AM-09:00AM	53.20	56.60	59.60
	09:00AM-10:00AM	52.30	55.78	58.58
	10:00AM-11:00AM	52.30	55.14	58.80
	11:00AM-12:00PM	52.40	57.28	58.80
	12:00PM-01:00PM	52.40	56.93	58.80
05.05.2023	01:00PM-02:00PM	52.30	54.50	58.80
	02:00PM-03:00PM	52.30	57.36	58.30
	03:00PM-04:00PM	52.40	55.37	58.60
	04:00PM-05:00PM	52.40	57.62	58.80
	05:00PM-06:00PM	53.40	57.73	58.90
05.05.2025	06:00PM-07:00PM	52.30	57.47	58.80
	07:00PM-08:00PM	52.70	57.05	58.60
	08:00PM-09:00PM	52.30	55.15	58.30
	09:00PM-10:00PM	52.60	56.04	58.60
	10:00PM-11:00PM	39.70	43.87	45.70
	11:00PM-12:00AM	39.70	41.97	45.20
	12:00AM-01:00AM	39.90	42.70	47.00
	01:00AM-02:00AM	38.50	42.57	45.30
	02:00AM-03:00AM	38.40	40.47	42.50
	03:00AM-04:00AM	39.20	41.77	43.50
	04:00AM-05:00AM	36.20	40.54	43.20
	05:00AM-06:00AM	39.70	41.89	45.80
	Average	36.20	51.58	59.60

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Gaja Nand Mallick Quality Manager:

Test Report No.: N230508C -07.



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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	05.05.2023
Date of Reporting	:	13.05.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Rispa Village
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020

Monitoring Report

SI. No.						Category of Area
	Ld	Ln	Lmin	Lmax	Leq	
1.	53.20	41.42	41.20	58.60	51.48	Residential Area

Standards of Noise Level

	As Per CPCB Guidelines						
Sl. No.	Category of Area	Day dB (A)	Night dB (A)				
1.	Industrial Area	75	70				
2.	Commercial Area	65	55				
3.	Residential Area	55	45				
4.	Silence Zone	50	40				

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Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:





Location		Rispa Vill	lage	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	53.20	54.93	56.20
	07:00AM-08:00AM	53.20	55.05	56.32
	08:00AM-09:00AM	53.80	54.72	55.30
	09:00AM-10:00AM	53.60	54.45	55.80
	10:00AM-11:00AM	53.20	54.30	54.80
	11:00AM-12:00PM	53.40	54.59	55.40
	12:00PM-01:00PM	53.80	56.10	58.60
	01:00PM-02:00PM	53.40	54.73	56.40
	02:00PM-03:00PM	53.80	55.04	56.80
	03:00PM-04:00PM	53.20	55.25	57.20
	04:00PM-05:00PM	53.50	54.89	56.40
05.05.2023	05:00PM-06:00PM	53.80	54.65	55.40
05.05.2025	06:00PM-07:00PM	53.50	54.41	54.90
	07:00PM-08:00PM	54.10	- 54.71	56.40
	08:00PM-09:00PM	53.60	55.15	56.00
	09:00PM-10:00PM	53.50	56.03	58.60
	10:00PM-11:00PM	44.20	47.63	49.20
	11:00PM-12:00AM	44.20	46.06	47.60
	12:00AM-01:00AM	42.40	43.46	44.50
	01:00AM-02:00AM	41.40	42.75	43.80
	02:00AM-03:00AM	41.20	43.24	44.80
	03:00AM-04:00AM	41.40	43.21	44.60
	04:00AM-05:00AM	41.20	44.15	45.70
	05:00AM-06:00AM	43.60	46.04	47.80
	Average	41.20	51.48	58.60

Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:

Test Report No.: N230508C -08.



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Name & Address of the Customer		 Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh 		
Date of Monitoring	:	03.05.2023		
Date of Reporting	:	13.05.2023		
Sample Description	:	Source Noise Monitoring		
Capacity of D.G.(KVA)	:	40 KVA		
Sampling Location	:	Near Site Office		
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari		
Test Method	:	IS 4758 : 2017		
	Mon	itoring Report		

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	CPCB Guidelines & Indian Standard:9989	88.29	63.83	24.10
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	62.30	45.80	-
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	94.50	70.40	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA	-	75.00	25.00

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Gaja Nand Mallick Quality Manager:





Name & Address of the Customer	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	
Date of Monitoring	:	03.05.2023
Date of Reporting	:	13.05.2023
Sample Description	:	Source Noise Monitoring
Capacity of D.G.(KVA)	:	250 KVA
Sampling Location	:	Near Site Office
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
Test Method	:	IS 4758 : 2017
	Moni	toring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	CPCB Guidelines & Indian Standard:9989	81.02	62.88	23.60
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	67.40	46.50	-
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	91.20	67.60	-
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA	-	75.00	25.00

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Gaja Nand Mallick Quality Manager:





Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh		
Date of Monitoring	:	03.05.2023		
Date of Reporting	:	13.05.2023		
Sample Description	:	Source Noise Monitoring		
Capacity of D.G.(KVA)	:	125 KVA		
Sampling Location	:	Near Power House		
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari		
Test Method	:	IS 4758 : 2017		
	Moni	toring Report		

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	L _{eq} CPCB Guidelines & 87.62 65.63 Indian Standard:9989		65.63	24.40
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	67.40	44.20	-
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	95.60	71.20	-
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA	-	75.00	25.00

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Manoranjan Analyzed by:



Gaja Nand Mallick **Quality Manager:**





:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh		
:	03.05.2023		
:	13.05.2023		
:	Source Noise Monitoring		
:	125 KVA		
:	Near Cement Store		
:	Md. Danish Alam & Mr. Ankit Kumar Tiwari		
:	IS 4758 : 2017		
	: : : : : : : : : : : : : : : : : : :		

Monitoring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq} Indian	Guidelines &	79.09	62.66	23.80
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	65.40	43.60	
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	88.60	64.80	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA	-	75.00	25.00

Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:





:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
:	05.05.2023
:	13.05.2023
:	Source Noise Monitoring
:	320 KVA
:	ADIT-II
:	Md. Danish Alam & Mr. Ankit Kumar Tiwari
:	IS 4758 : 2017
	: : : : : :

Monitoring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	CPCB Guidelines & Indian Standard:9989	87.36	65.42	24.00
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	68.20	44.80	
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	94.20	70.20	-
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

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Gaja Nand Mallick Quality Manager:

Test Report No.: N230508C -13.



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Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,		
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)		
Date of Monitoring	:	05.05.2023		
Date of Reporting	:	13.05.2023		
Sample Description	:	Source Noise Monitoring		
Capacity of D.G.(KVA)	:	320 KVA		
Sampling Location	:	ADIT-I		
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari		
Test Method	:	IS 4758 : 2017		
	Moni	toring Report		

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	CPCB Guidelines & Indian Standard:9989	87.39	65.88	23.00
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	70.50	46.50	-
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	94.20	71.20	-
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA	-	75.00	25.00

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Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:

Test Report No.: N230508C -14.



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Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,		
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)		
Date of Monitoring	:	05.05.2023		
Date of Reporting	:	13.05.2023		
Sample Description	:	Source Noise Monitoring		
Capacity of D.G.(KVA)	:	500 KVA		
Sampling Location	:	Dam Site Batching Plant		
Monitored by	:	Md. Danish Alam & Mr. Ankit Kumar Tiwari		
Test Method		IS 4758 : 2017		
	Moni	toring Report		

Close the Canopy of D.G Open the Canopy of D.G Set S. No. **Parameters** Protocol **Insertion Loss** Set (0.5 mtr Result dB(A) Distance) Result dB(A) CPCB Guidelines & 91.63 64.39 23.40 1. Leq Indian Standard:9989 CPCB Guidelines & 75.30 48.50 2. Lmin Indian Standard:9989 CPCB Guidelines & 94.20 70.80 Lmax 3. Indian Standard:9989 As per CPCB CPCB Limit in Leq Noise limit For 75.00 25.00 4. dB(A) D.G. Set Upto 1000 KVA

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Gaja Nand I lick **Quality Manager:**

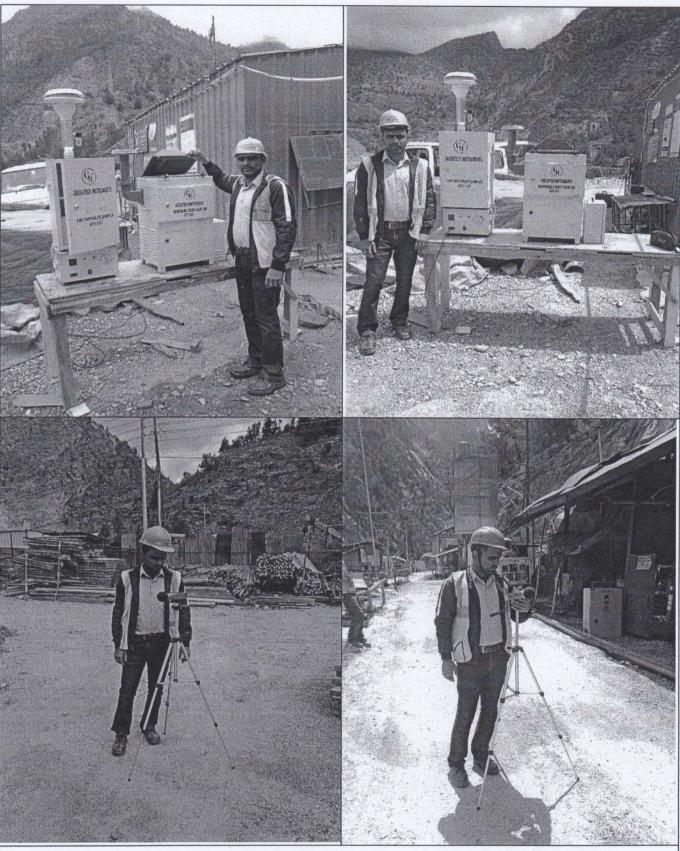




Traffic Survey

Location	Check Post, Village - Ruwang, Distt Kinnaur, Himachal Prades						
Date	05.05.2023 to 06.05.2023 Type of Vehicles						
Time (Hrs)	Project LCV	Other LCV	Other Trucks/Bus	Project Trucks	2-Wheelers		
06:00-07:00	00	00	00	00	00		
07:00-08:00	00	00	00	00	00		
08:00-09:00	00	00	00	00	01		
09:00-10:00	00	01	00	01	00		
10:00-11:00	01	00	00	01	00		
11:00-12:00	00	02	00	03	00		
12:00-13:00	03	00	00	01	00		
13:00-14:00	02 01	02	00	02 • 01	00 00		
14:00-15:00		02					
15:00-16:00	01	01	00	02	01		
16:00-17:00		01 01	00	01 01	00		
17:00-18:00			00				
18:00-19:00	01	01	00	00	00		
19:00-20:00	02	02	00	01	00		
20:00-21:00	03	00	00	00	00		
21:00-22:00	01	00	00	02	00		
22:00-23:00	02	01	00	00 01	00		
23:00-24:00	00-24:00 00	00	00		00		
24:00-01:00	00	00	00	00	00		
01:00-02:00	00	00	00	00 00 00 00	00		
02:00-03:00	0-04:00 00 00	00	00 00 00		00		
03:00-04:00		00			00		
04:00-05:00		00			00		
05:00-06:00	00	00	00	00	00		
Total	21	14	00 nenta	17	02		

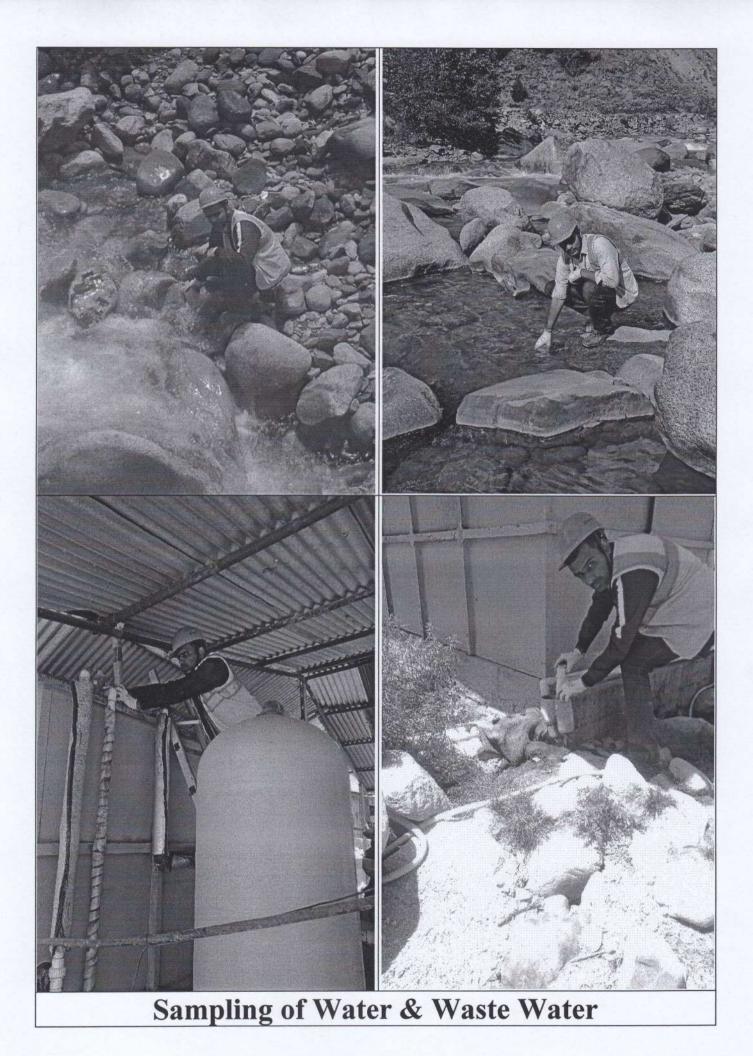
Environmental Monitoring Photographs of TPGPL Project, Kinnaur, H.P.



Monitoring of Ambient Air & Ambient Noise



Monitoring of Source Emission & Source Noise



Page - 65 - of 65

ENVIRONMENTAL MONITORING REPORT

FOR

TIDONG POWER GENERATION PVT LTD

. TIDONG POWER GENERATION PVT. LTI

SITE OFFICE VILL-RUWANG, PO-MORANG DISTT-KINNAUR, HIMACHAL PRADE

M/TPGPL./2023/02

September, 2023



MANTEC CONSULTANTS PVT. LTD.

QCI /NABET Accredited EIA Consultant at S.No.167 as per List of Accredited consultant Organizations/ Rev.25 /Sept 05, 2022 and MoEF&CC approved Laboratory 805, Vishal Bhawan, 95 Nehru Place, New Delhi-110019, PH. 011-26429294/95/96, Fax. 011-26463665/26842531, Environment Division, D-36, Sector-6, Noida-201 301, U. P.,

Ph. 0120-4215000, 0120-4215807 Fax. 0120-4215809,

e-mail: <u>lab@mantecconsultants.com</u>

Website: www.mantecconsultants.com

TABLE OF CONTENTS

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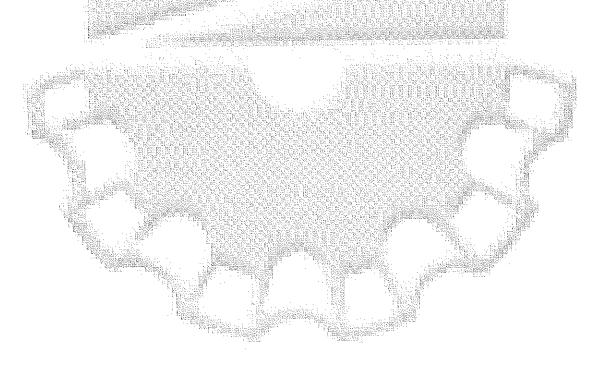
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51. No	Contents	Page No.
	Summary of Report	03-05
	Ambient Air Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	06-17
1.	Power House	06-07
2.	Near Site Office	08-09
3.	Near Store Room	10-11
4.	Dam Site Near Batching Plant	12-13
5.	ADIT-II	14-15
6.	ADIT-I	16-17
········	Stack Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	18-25
1.	Near Site Office, 40 KVA	18
2.	Near Site Office, 320 KVA	19
3.	Near Power House, 125 KVA	20
4,	Near Cement Store Room, 125 KVA	21
5.	ADIT-II, 320 KVA	22
6.	ADIT-1, 320 K VA	23
	Dam Site Batching Plant, 500 KVA	24
7.	Dan Die Dateing Lung of Litte	
7. 8.	Dam Site near Crusher Plant (500 KVA)	25
		25 26-41
	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd.,	
8.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	26-41
8.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt, Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site	26-41 26-27
8. 1. 2.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site	26-41 26-27 28-29
8. 1. 2. 3.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt, Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site	26-41 26-27 28-29 30-31
8. 1. 2. 3. 4.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site	26-41 26-27 28-29 30-31 32-33
8. 1. 2. 3. 4. 5.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt, Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water - Tidong River Upstream Near Dam Site	26-41 26-27 28-29 30-31 32-33 34-35
8. 1. 2. 3. 4. 5. 6.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water- Tidong River Upstream Near Dam Site Surface Water- Downstream Project Site Near Power House	26-41 26-27 28-29 30-31 32-33 34-35 36-37
8. 1. 2. 3. 4. 5. 6. 7.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water - Tidong River Upstream Near Dam Site Surface Water - Downstream Project Site Near Power House Waste Water - STP Untreated Water Near Power House	26-41 26-27 28-29 30-31 32-33 34-35 36-37 38
8. 1. 2. 3. 4. 5. 6. 7. 8.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water- Tidong River Upstream Near Dam Site Surface Water - Downstream Project Site Near Power House Waste Water - STP Untreated Water Near Power House	26-41 26-27 28-29 30-31 32-33 34-35 36-37 38 39
8. 1. 2. 3. 4. 5. 6. 7. 8. 9.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water - Tidong River Upstream Near Dam Site Surface Water - Downstream Project Site Near Power House Waste Water - STP Untreated Water Near Power House Waste Water - STP Untreated Water Near Power House Waste Water - STP Untreated Water Near Power House Waste Water - STP Untreated Water Near Power House Waste Water - STP Untreated Water Near Power House	26-41 26-27 28-29 30-31 32-33 34-35 36-37 38 39 40 41
8. 1. 2. 3. 4. 5. 6. 7. 8. 9.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water - Tidong River Upstream Near Dam Site Surface Water - Downstream Project Site Near Power House Waste Water - STP Untreated Water Near Power House Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Date - STP Untreated Water Near Dam Site Waste Water	26-41 26-27 28-29 30-31 32-33 34-35 36-37 38 39 40 41
8. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water - Tidong River Upstream Near Dam Site Surface Water - Downstream Project Site Near Prower House Waste Water - STP Untreated Water Near Power House Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Mater - STP Untreated Water Near Dam Site Maste Water - STP Untreated Water Near Dam Site Maste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Ambient Noise Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill. Ruwang, P.O Moorang, Dist Kinnaur, (Himachal Pradesh)	26-41 26-27 28-29 30-31 32-33 34-35 36-37 38 39 40 41 - 42-53
8. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 1.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water- Tidong River Upstream Near Dam Site Surface Water - Downstream Project Site Near Power House Waste Water - STP Untreated Water Near Power House Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Power House Power House Power House	26-41 26-27 28-29 30-31 32-33 34-35 36-37 38 39 40 41 42-53 42-43
8. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 1. 2.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Inlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water - Tidong River Upstream Near Dam Site Surface Water - Downstream Project Site Near Power House Waste Water - STP Untreated Water Near Power House Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dam Site Power House Ambient Noise Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill. Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Power House Near Site Office	26-41 26-27 28-29 30-31 32-33 34-35 36-37 38 39 40 41 42-53 42-43 44-45
8. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 1. 2. 3.	Dam Site near Crusher Plant (500 KVA) Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Drinking Water - R.O. Inlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Dam Site Drinking Water - R.O. Outlet Water Near Project Site Drinking Water - R.O. Outlet Water Near Project Site Surface Water- Tidong River Upstream Near Dam Site Surface Water - Downstream Project Site Near Power House Waste Water - STP Untreated Water Near Power House Waste Water - STP Untreated Water Near Dam Site Waste Water - STP Untreated Water Near Dower House Waste Water - STP Untreated Water Near Dam Site Maste Water - STP Untreated Water Near Dower House Waste Water - STP Untreated Water Near Dam Site Maste Water - STP Untreated Water Near Dam Site Maste Water - STP Untreated Water Near Dam Site Power House Ambient Noise Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill. Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh) Power House Near Site Office Near Site Office Near Store Room	26-41 26-27 28-29 30-31 32-33 34-35 36-37 38 39 40 41 42-43 44-45 46-47

	Source Noise Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	54-61
1.	Near Site Office, 40 KVA	54
2.	Near Site Office, 320 KVA	55
3.	Near Power House, 125 KVA	56
4.	Near Cement Store Room, 125 KVA	57
5.	ADIT-II, 320 KVA	58
6.	ADIT-I, 320 KVA	59
7.	Dam Site Batching Plant, 500 KVA	60
8.	Dam Site near Crusher Plant (500 KVA)	61
	Traffic Survey Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	62
1.	Check Post, Village - Ruwang	62
	Monitoring Photographs At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	63-65



SUMMARY OF REPORT

AMBIENT AIR QUALITY

To assess the Ambient Air Quality status in the study area surrounding of Tidong HEP seven monitoring locations were selected on the basis of topographical and meteorological situation. The details of monitoring locations and parameters carried out and testing protocols are as follows:

AMBIENT AIR QUALITY STATUS

Pollutants like PM_{10} , $PM_{2.5}$, SO_2 , NO_2 & CO were collected and analyzed.

	Locations	Parameters	Unit of Measurements	CPCB Prescribed Limits	Protocol
1	Power House				
2	Near Site Office	SO ₂	μg/ m ³	80 (24 Hours)	IS 5182(Part-2):2017
- 3	Near Store Room	NO ₂	μg/ m ³	80 (24 Hours)	IS 5182(Part-6):2017
_	2011 - Dec 194 - P	PM ₁₀	$\mu g/m^3$	100 (24 Hours)	IS 5182(Part-23):2017
4	ADIT-I	PM _{2.5}	$\mu g/m^3$	60 (24 Hours)	IS 5182(Part-24):2019
5	Dam Site	CO	mg/m^3	2 (08 Hours)	IS 5182(Part-10):2019
6	ADIT-II				NDIR spectroscopy

Conclusion

PM₁₀ (Particulate Matter)

During the monitoring period, it has been observed that the average values of PM_{10} for all the monitoring stations ranging from 44 µg/m³ to 56 µg/m³. The lowest value was observed as 44µg/m³ at ADIT-I and the highest value was observed as 56 µg/m³ at Power House. The values of all locations are well within the CPCB prescribed limits for PM_{10} i.e., 100 µg/m³.

PM2.5 (Fine Particulate Matter)

During the monitoring period, it has been observed that the average values of PM_{2.5} for all the monitoring stations ranging from 24 μ g/m³ to 33 μ g/m³. The lowest value was observed as 24 μ g/m³ at ADIT-I and the highest value was observed as 33 μ g/m³ at Power House. The values of all locations are well within the CPCB prescribed limits for PM_{2.5} i.e., 60 μ g/m³.

Sulphur Dioxide

During the monitoring period, it has been observed that the average values of SO₂ for all the monitoring stations ranging from $06 \,\mu g/m^3$ to $12 \,\mu g/m^3$. The lowest value was observed as $06 \,\mu g/m^3$ at ADIT-I and the highest value was observed as $12 \,\mu g/m^3$ at Power House. The values of all locations are well within the CPCB prescribed limits for SO₂ i.e., $80 \,\mu g/m^3$.

Nitrogen Dioxide

During the monitoring period, it has been observed that the average values of NO₂ for all the monitoring stations ranging from 17 μ g/m³ to 26 μ g/m³. The lowest value was observed as 17 μ g/m³ at ADIT-I and the highest value was observed as 26 μ g/m³ at Power House & Dam Site. The values of all locations are well within the CPCB prescribed limits for NO₂ i.e., 80 μ g/m³.

Carbon Monoxide

During the monitoring period, it has been observed that the average values of CO for all the monitoring stations ranging from 0.44 mg/m^3 to 0.62 mg/m^3 . The lowest value was observed as 0.44 mg/m^3 at ADIT-I and the highest value was observed as 0.62 mg/m^3 at Near Store Room. The values of all locations are well within the CPCB prescribed limits for CO i.e., 2.0 mg/m³.

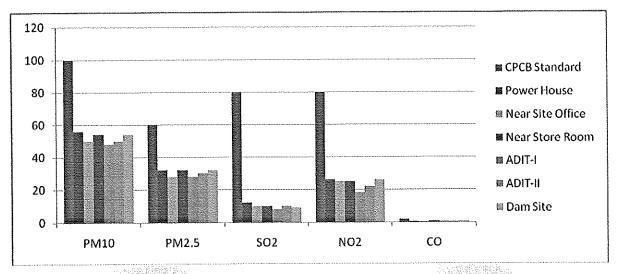


Fig. : - AAQ of Concentration Graph

WATER QUALITY

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To assess the Water Quality Status in the vicinity of Tidong HEP 10 sampling locations were selected. The Physico-Chemical parameters are analyzed and compared with IS: 10500 for suitability of the drinking purpose are as follows:

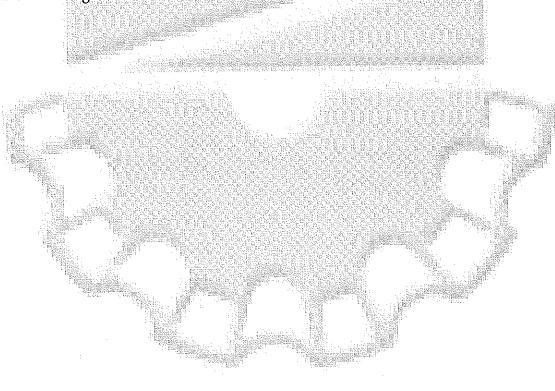
S1. No.	Parameters	Units	Acceptable Limit	Permissible Limit	Test Method
1.	pH		6.5-8.5	No Relaxation	IS 3025(Part-11):2022
2.	Odour		Agreeable	Agreeable	IS 3025(Part-5):2018
3.	Colour	Hazen Units	5	15	IS 3025(Part-4):2021
4.	Temperature	°C		a an a <u>s an an a</u> s an	IS 3025(Part-19):2017
5.	Turbidity	NTU	1	5	IS 3025(Part-10):2017
6.	Taste		Agreeable	Agreeable	IS 3025(Part-7&8):2017
7.	Conductivity	µmhos/cm			IS 3025(Part-14):2019
8.	Total Dissolved Solids	mg/l	500	2000	IS 3025(Part-16):2017
9.	Alkalinity as CaCO3	mg/1	200	600	IS_3025(Part-23):2019
10.	Total Hardness as CaCO3	mg/l	200	600	IS 3025(Part-21):2019
11.	Calcium as Ca	mg/l	75	200	IS 3025(Part-40):2019
12.	Magnesium as Mg	mg/l	30	100	IS 3025(Part-46):2019
13.	Manganese as Mn	mg/1	0.1	0.3	IS 3025(Part-2):2019
14.	Chloride as Cl	mg/1	250	1000	IS 3025(Part-32):2019
15.	Nitrate as NO ₃	mg/1	45	No Relaxation	IS 3025(Part-34):2019
16.	Sulphate as SO ₄	mg/l	200	400	IS 3025(Part-24):2019
17.	Sulphide as H ₂ S	mg/l	0.05	No Relaxation	IS 3025(Part-29):2019
18.	Fluoride as F	mg/l	<1.0	1.5	IS 3025(Part-60):2019
19.	Free Residual Chlorine	mg/1	0.2	1	IS 3025(Part-26):2021
20.	Ammonia as N	mg/l	0.5	No Relaxation	IS 3025(Part-34):2019
21.	Anionic Detergents as MBAS	mg/1	0.2	1.0	Annexure K of IS:13428, 2018
22.	Iron as Fe	mg/l	0.3	No Relaxation	IS 3025Part-2):2019
23.	Phenolic Compound	mg/l	0.001	0.002	IS 3025(Part-43):2019
24.	Copper as Cu	mg/l	0.05	1.5	IS 3025(Part-2):2019
25.	Aluminium as Al	mg/l	0.03	0.2	IS 3025(Part-2):2019
26.	Barium as Ba	mg/1	0.7	No Relaxation	IS 3025(Part-2):2019

27.	Boron as B	mg/l	0.5	1.0	IS 3025(Part-2):2019
28.	Zinc as Zn	mg/l	5	15	IS 3025(Part-2):2019
29.	Mercury as Hg	mg/l	0.001	No Relaxation	IS 3025(Part-48):2019
30.	Cadmium as Cd	mg/l	0.003	No Relaxation	IS 3025(Part-2):2019
31.	Total Arsenic as As	mg/l	0.01	0.05	IS 3025(Part-2):2019
32.	Lead as Pb	mg/l	0.01	No Relaxation	IS 3025(Part-2):2019
33.	Nickel as Ni	mg/l	0.02	No Relaxation	IS 3025(Part-2):2019
34.	Total Chromium as Cr	mg/l	0.05	No Relaxation	IS 3025(Part-2):2019
35.	Total Coliform	MPN/100ml	Shall not be detectable in any 100 ml sample		IS : 1622:1981
36.	Faecal Coliform	MPN/100ml	Shall not be detectable in any 100 ml sample		IS : 1622:1981

Conclusion

The Water & Waste Water samples taken from ground water source for drinking purpose were analyzed and observed, is well within the limit and it confirms the requirement of IS : 10500.

Surface water collected from Tidong River meets the CPCB Water Quality Criteria and best designated use. Waste Water analysis results for all Locations shows that waste water is as per CPCB discharge limit.





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MANTEC ENVIRONMENTAL LABORATORY {An ISO 9001: 2015 Certified & Accredited by NABL} D-36, SECTOR-VI, NOIDA,District-Gautam Budh Nagar, U. P. Ph.0120-4215000, 4215805, Fax,0120-4215809,e-mail :manteclab@gmail.com



Sample Identification	:	A231004 01
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	27.09.2023, 09:55 AM
End Date & Time of Sampling	:	28.09.2023, 09:55 AM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location	:	Power House
Sample Submitted by	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	FEST	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	μg/m³	52	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	30	60	IS 5182(Part-24):2019
3.	SO ₂	μg/m ³	08	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	22	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.46	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Gaja Nand Mallick Quality Manager:

Test Report No.: A231004 C -02.



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Sample Identification	:	A231004 02
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	28.09.2023, 11:05 AM
End Date & Time of Sampling	:	29.09.2023, 11:05 AM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting		10.10.2023
Sampling Location		Power House
Sample Submitted by	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TEST	RESULTS

S1. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	56	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	33	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	12	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	26	80	IS 5182(Part-6): 2017
5.	ÇO	mg/m ³	0.54	02	IS 5182(Part-10):2019 NDIR spectroscopy

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****End of Report****

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Gaja Nand Mallick





Sample Identification	:	A231004 03
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	27.09.2023, 01:00 PM
Start Date & Time of Sampling	:	28.09.2023, 01:00 PM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting		10.10.2023
Sampling Location		Near Site Office
Sample Submitted by	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	EST F	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	50	100	IS 5182(Part-23):2017
2.	PM _{2.5}	μg/m ³	28	60	IS 5182(Part-24):2019
3.	SO ₂	μg/m ³	10	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	24	80	IS 5182(Part-6): 2017
5.	CO	mg/m ³	0.48	02	IS 5182(Part-10):2019 NDIR spectroscopy

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****End of Report****

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Sample Identification	:	A231004 04
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
The descent frame, see the descent of the second seco		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	28.09.2023, 01:05 AM
End Date & Time of Sampling	:	29.09.2023, 01:05AM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	10.16 1 .1	10.10.2023
Sampling Location		Near Site Office
Sample Submitted by		Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	. :	
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
All and the second s	FEST I	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	46	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	26	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	09	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	25	80	IS 5182(Part-6): 2017
5.	ÇO	mg/m ³	0.54	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231004 05
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling		27.09.2023, 04:00 PM
Start Date & Time of Sampling	. :	28.09.2023, 04:00 PM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	•	10.10.2023
Sampling Location		Near Store Room
Sample Submitted by		Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	TEST R	ESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	48	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	28	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	08	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	22	80	IS 5182(Part-6): 2017
5.	CO	mg/m ³	0.46	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231004 06		
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,		
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)		
Start Date & Time of Sampling	:	28.09.2023, 04:05 PM		
End Date & Time of Sampling	:	29.09.2023, 04:05 PM		
Date of Receipt	:	04.10.2023		
Sample Description	:	Ambient Air		
Sample Condition	:	OK		
Start Date of Analysis	:	04.10.2023		
End Date of Analysis	:	10.10.2023		
Date of Reporting	:	10.10.2023		
Sampling Location	:	Near Store Room		
Sample Submitted by	:	Mr. Ankit Kumar Tiwari		
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %		
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01		
TEST RESULTS				

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	μg/m³	54	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	32	60	IS 5182(Part-24):2019
3.	SO ₂	μg/m³	10	80	IS 5182(Part-2):2017
4.	NO2	μg/m³	25	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.62	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231004 07
Name & Address of the Customer	:	
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	29.09.2023, 12:00 PM
End Date & Time of Sampling	:	30.09.2023, 12:00 PM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting		10.10.2023
Sampling Location		Dam Site Near Batching Plant
Sample Submitted by		Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
A Constant of the second se	TEST	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	52	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	31	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	09	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	24	80	IS 5182(Part-6): 2017
5.	CO	mg/m ³	0.52	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231004 08
		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
Name & Address of the Customer		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	30.09.2023, 12:00 PM
Start Date & Time of Sampling	:	01.10.2023, 12:00 PM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location		Dam Site Near Batching Plant
Sample Submitted by	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
T	EST	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m ³	54	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m ³	32	60	IS 5182(Part-24):2019
3.	SO₂	µg/m³	08	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	26	80	IS 5182(Part-6): 2017
5.	CO	mg/m ³	0.58	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231004 09
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	29.09.2023, 12:00 PM
End Date & Time of Sampling	:	30.09.2023, 12:00 PM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting		10.10.2023
Sampling Location		ADIT-II
Sample Submitted by	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	
	TEST	RESULTS

S1. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	μg/m³	46	100	IS 5182(Part-23):2017
2.	PM2.5	µg/m³	26	60	IS 5182(Part-24):2019
3.	SO ₂	μg/m ³	10	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	22	80	IS 5182(Part-6): 2017
5.	CQ	mg/m ³	0.55	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231004 10
	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
Name & Address of the Customer		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	30.09.2023, 12:00 PM
Start Date & Time of Sampling	:	01.10.2023, 12:00 PM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting		10.10.2023
Sampling Location	•	ADIT-II
Sample Submitted by	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	TES	Γ RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	50	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	30	60	IS 5182(Part-24):2019
3.	SO₂	µg/m³	08	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	20	.80	IS 5182(Part-6): 2017
5.	CO	mg/m ³	0.56	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231004 11
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	29.09.2023, 12:00 PM
End Date & Time of Sampling	:	30.09.2023, 12:00 PM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting		10.10.2023
Sampling Location		Adit-I
Sample Submitted by	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	rest	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	44	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	24	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	06	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	17	80	IS 5182(Part-6): 2017
5.	ĊŎ	mg/m ³	0.48	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231004 12
		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
Name & Address of the Customer		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	30.09.2023, 12:00 PM
Start Date & Time of Sampling	:	01.10.2023, 12:00 PM
Date of Receipt	:	04.10.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location	:	Adit-I
Sample Submitted by		Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	EST	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	μg/m ³	48	100	IS 5182(Part-23):2017
2.	PM _{2.5}	μg/m ³	28	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m ³	08	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m ³	18	80	IS 5182(Part-6): 2017
5.	CO	mg/m ³	0.44	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification No.	: S231004 01	
Name & Address of the Customer	Tidong Power Generation P	vt. Ltd., Vill Ruwang,
· · · · · · · · · · · · · · · · · · ·	¹ P.O Moorang, Distt Kinn	aur, (Himachal Pradesh)
Date of Sampling	: 30.09.2023	
Date of Receipt	: 04.10.2023	
Sample Description	: D.G.Set-320 KVA	
Sample Condition	: Ok	
Start Date of Analysis	: 04.10.2023	
End Date of Analysis	: 10.10.2023	
Date of Reporting	: 10.10.2023	·
Sampling Location	: Near Site Office	
Sample Collected By	: Mr. Ajmal Husain & Mr. A	nkit Kumar Tiwari
Environmental Condition at Lab	: Temp. 25 ± 2 °C Humidity 50	± 10 %
Ref. of Sampling Procedure No.	: MEL/MSP/7.3/P-01	
Keit of camp	ck Description	
Name of the Emission Sources Monitored	: Stack	
Stack Identification/Stack Details	: Stack attached to DG Set	
Normal Operating Schedule	: 1 Hr.	
Location of the Sampling Point	: Port hole of Stack	
Dia of the Stack	: 80 cm	The second secon
Fuel Used	: HSD	
Pollution Control Device	: Nil	
Sampling Duration	: 1 Hr.	
Stack Temperature (⁰ C)	: 138ºC	
Ambient Temperature (°C)	: 18ºC	
Stack Velocity (m/sec.)	: 10.74	
Quantity of Emission (Nm3/hrs.)	: 228.54	
	EST RESULTS	Permissible Limit as pe

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Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
PM		54	IS 11255(Part-1): 2019	≤0.2
	ACTIVITY AND A DESCRIPTION OF A DESCRIPR	22	IS 11255(Part-2): 2019	_
	UI IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	46	IS 11255(Part-7): 2017	≤4.0
	10 additionants in a	0.26	IS 13270 : 2019	≤3.5
	Parameter PM SO ₂ NO _x CO	ParameterMeasurementsPMmg/Nm³SO2mg/Nm³NOxmg/Nm³	ParameterUnits of MeasurementsResultsPMmg/Nm³54SO2mg/Nm³22NOxmg/Nm³46	Parameter Office of Measurements Results PM mg/Nm³ 54 IS 11255(Part-1): 2019 SO2 mg/Nm³ 22 IS 11255(Part-2): 2019 NOx mg/Nm³ 46 IS 11255(Part-7): 2017

Deepak Jha Analyzed by: Notes:

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Sample Identification No.	:	S231004 02
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	30.09.2023
Date of Receipt	:	04.10.2023
Sample Description	:	D.G.Set-250 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location		Near Site Office
Sample Collected By		Mr. Ajmal Husain & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	· · · · · · · · ·	MEL/MSP/7.3/P-01
THE PROPERTY AND A DESCRIPTION OF A DESC	Stack Des	scription
Name of the Emission Sources Monitored		Stack
Stack Identification/Stack Details		Stack attached to DG set
Normal Operating Schedule	:	1 Hr.
Location of the Sampling Point		Port hole of Stack
Dia of the Stack	1 . H	60cm
Fuel Used		HSD
Pollution Control Device		Nil
Sampling Duration		
Stack Temperature (°C)		126ºC
Ambient Temperature (°C)		18ºC
Stack Velocity (m/sec.)		9.44
Quantity of Emission (Nm ³ /hrs.)	TEST R	116.36

Sl. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	50	IS 11255(Part-1): 2019	≤0.2
2	SO ₂	mg/Nm ³	20	IS 11255(Part-2): 2019	
3.	NOx	mg/Nm ³	46	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.22	IS 13270 : 2019	≤3.5

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Sample Identification No.	:	S231004 03
Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
Ivanic & Mullebo of the Enterna	:	P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	30.09.2023
Date of Receipt	:	04.10.2023
Sample Description	:	D.G.Set-125KVA
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location	:	Near Power House
Sample Collected By		Mr. Ajmal Husain & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	Stack De	scription
Name of the Emission Sources Monitored		Stack
Stack Identification/Stack Details	Sec. 8. 4	
Normal Operating Schedule	and a start of the	: 1 Hr.
Location of the Sampling Point	AND AND AND A	
Dia of the Stack	A CONTRACTOR OF	: 40 cm
Fuel Used		: HSD
Pollution Control Device		: Nil
Sampling Duration	11日1日の時代は第二日に、日本	: 1 Hr.
Stack Temperature (⁰ C)	MORE MORE A	: 118°C
Ambient Temperature (°C)		: 17°C
Stack Velocity (m/sec.)		: 9.34
Quantity of Emission (Nm ³ /hrs.)	2 1. 4. 5. 6 3	: 52.24 RESULTS

Sl. No.	Parameter	Units of Measurements	Results		Permissible Limit as per CPCB Standards
1	PM	mg/Nm ³	46	IS 11255(Part-1): 2019	≤0.2
1.	SO ₂	mg/Nm ³	18	IS 11255(Part-2): 2019	-
2.	NO _x	mg/Nm ³	36	IS 11255(Part-7): 2017	≤4.0
3.		%	0.14	IS 13270 : 2019	≤3.5

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Sample Identification No.	:	S231004 04
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	30.09.2023
Date of Receipt	:	04.10.2023
Sample Description	:	D.G.Stack 125 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location		Near Cement Store
Sample Collected By		Mr. Ajmal Husain & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		
Ref. of Sampling Procedure No.	State :	MEL/MSP/7.3/P-01
	Stack Des	cription
Name of the Emission Sources Monitored		Stack
Stack Identification/Stack Details		Stack attached to D.G. Set
Normal Operating Schedule	Reference 1:	1 Hr.
Location of the Sampling Point	新興 .	Port hole of Stack
Dia of the Stack	:	40 cm
Fuel Used	:	HSD
Pollution Control Device		Nil
Sampling Duration		1 Hr.
Stack Temperature (⁰ C)		124ºC
Ambient Temperature (⁰ C)		17ºC
Stack Velocity (m/sec.)	and a start in the	10.31
Quantity of Emission (Nm ³ /hrs.)		56.79

Sl. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	48	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	24	IS 11255(Part-2): 2019	
3.	NO _x	mg/Nm ³	40	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.18	IS 13270 : 2019	≤3.5

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Gaja Nand Mallick

Test Report No.: S231004 C -05.



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Sample Identification No.	:	S231004 05	
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,	
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	
Date of Sampling	:	01.10.2023	
Date of Receipt	:	04.10.2023	
Sample Description	:	D.G.Stack 320 KVA	
Sample Condition	:	Ok	
Start Date of Analysis	:	04.10.2023	
End Date of Analysis	:	10.10.2023	
Date of Reporting	:	10.10.2023	
Sampling Location	:	ADIT-II	
Sample Collected By		Mr. Ajmal Husain & Mr. Ankit Kumar Tiwari	
Environmental Condition at Lab		: Temp. 25 ± 2 °C Humidity 50 ± 10 %	
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01	
	Stack Des		
Name of the Emission Sources Monitored		Stack	
Stack Identification/Stack Details		Stack attached to D.G. Set	
Normal Operating Schedule		1 Hr.	
Location of the Sampling Point		Port hole of Stack	
Dia of the Stack	:	60 cm	
Fuel Used	100 ·	HSD	
Pollution Control Device		Nil	
Sampling Duration		1Hr.	
Stack Temperature (°C)		130ºC	
Ambient Temperature (°C)		19ºC	
Stack Velocity (m/sec.)		10.63	
Quantity of Emission (Nm ³ /hrs.)		129.82	
	TEST RE	SULTS	

Sl. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	52	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	26	IS 11255(Part-2): 2019	-
3.	NOx	mg/Nm ³	54	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.26	IS 13270 : 2019	≤3.5

Deepak Jha Analyzed by: ^{Notes:}

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Sample Identification No.	:	S231004 06
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	01.10.2023
Date of Receipt	:	04.10.2023
Sample Description	:	D.G.Stack 320 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location	:	ADIT-I
Sample Collected By		Mr. Ajmal Husain & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
Stack D	escriptio	on in the second se
Name of the Emission Sources Monitored		Stack
Stack Identification/Stack Details		Stack attached to D.G. Set
Normal Operating Schedule		1 Hr.
Location of the Sampling Point	1. Mei 12. [N.	Port hole of Stack
Dia of the Stack	•	60 cm
Fuel Used	•	HSD
Pollution Control Device		Nil
Sampling Duration		1 Hr.
Stack Temperature (⁰ C)		128ºC
Ambient Temperature (°C)		19ºC
Stack Velocity (m/sec.)	· · · · ·	9.19
Quantity of Emission (Nm ³ /hrs.)		112.71
	FEST RE	SULTS

Sl. No.	Parameter	Units of Measurements	Results	Test Method	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	58	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	28	IS 11255(Part-2): 2019	-
3.	NOx	mg/Nm ³	44	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.28	IS 13270 : 2019	≤3.5

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Deepak Jha Analyzed by: Notes:





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Sample Identification No.	: S231	004 07		
Name & Address of the Customer	: Tido	Tidong Power Generation Pvt. Ltd., Vill Ruwang,		
		- Moorang, Distt Kinnaur, (Himachal Pradesh)		
Date of Sampling	: 01.10			
Date of Receipt	: 04.10	.2023		
Sample Description	: D.G.S	Stack 500 KVA		
Sample Condition	: Ok			
Start Date of Analysis	: 04.10	.2023		
End Date of Analysis	: 10.10	.2023		
Date of Reporting	: 10.10	.2023		
Sampling Location	: Dam	Site Near Batching Plant		
Sample Collected By		Ajmal Husain & Mr. Ankit Kumar Tiwari		
Environmental Condition at Lab	: Temp	o. 25 ± 2 °C Humidity 50 ± 10 %		
Ref. of Sampling Procedure No.		MSP/7.3/P-01		
Stack 1	escription			
Name of the Emission Sources Monitored	: Stack			
Stack Identification/Stack Details	: Stack	attached to D.G. Set		
Normal Operating Schedule	: 1 Hr.			
Location of the Sampling Point	: Port h	ole of Stack		
Dia of the Stack	: 80 cm			
Fuel Used	: HSD			
Pollution Control Device	: Nil			
Sampling Duration	: 1 Hr.			
Stack Temperature (⁰ C)	: 136ºC			
Ambient Temperature (°C)	: 18ºC			
Stack Velocity (m/sec.)	: 9.96			
Quantity of Emission (Nm ³ /hrs.)	: 212.91			

Sl. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	52	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	26	IS 11255(Part-2): 2019	-
3.	NOx	mg/Nm ³	46	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.44	IS 13270:2019	≤3.5

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****End of Report****

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Sample Identification No.	:	S231004 08
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	01.10.2023
Date of Receipt	:	04.10.2023
Sample Description	:	D.G.Stack 500 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location	:	Dam Site Crusher Plant
Sample Collected By		Mr. Ajmal Husain & Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
Stack D	escripti	on
Name of the Emission Sources Monitored		Stack
Stack Identification/Stack Details	i n na 🖬	Stack attached to D.G. Set
Normal Operating Schedule		1 Hr.
Location of the Sampling Point		Port hole of Stack
Dia of the Stack	:	80 cm
Fuel Used	:	HSD
Pollution Control Device	:	Nil
Sampling Duration		1 Hr.
Stack Temperature (°C)	to the 💽	134ºC
Ambient Temperature (⁰ C)		18ºC
Stack Velocity (m/sec.)		10.06
Quantity of Emission (Nm ³ /hrs.)		216.22
	TEST R	ESULTS

Sl. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	46	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	28	IS 11255(Part-2): 2019	-
3.	NOx	mg/Nm ³	42	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.32	IS 13270 : 2019	≤3.5

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Sample Identification No.	:	W231004 01
Name & Address of the Customer	:	
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	02.10.2023
Date of Receipt	:	04.10.2023
Sample Description	:	Drinking Water
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location	:	R.O. Water (Inlet) Dam Site
Sample Collected By		
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	TEST F	RESULTS

SI.	Parameters	Units	Value	Acceptable Limit	Permissible Limit	Test Method
No. 1.	pH	10000000000000000000000000000000000000	7.42	6.5-8.5	No Relaxation	IS 3025(Part-11):2022
2.	Odour		Agreeable	Agreeable	Agreeable	IS 3025(Part-5):2018
3.	Colour	Hazen Units	 <5	5	15	IS 3025(Part-4):2021
4.	Temperature	°C	10			IS 3025(Part-19):2017
5.	Turbidity	NTU	1.5	1	5	IS 3025(Part-10):2017
6.	Taste		Agreeable	Agreeable	Agreeable	IS 3025(Part-7&8):2017
7.	Conductivity	µmhos/cm	315			IS 3025(Part-14):2019
8.	Total Dissolved Solids	mg/l	205	500	2000	IS 3025(Part-16):2017
9.	Alkalinity as CaCO ₃	mg/1	82	200	600	IS 3025(Part-23):2019
10.	Total Hardness as CaCO3	mg/l	146	200	600	IS 3025(Part-21):2019
11.	Calcium as Ca	mg/l	49.6	75	200	IS 3025(Part-40):2019
12.	Magnesium as Mg	mg/1	5.34	30	100	IS 3025(Part-46):2019
13.	Manganese as Mn	mg/l	<0.02	0.1	0.3	IS 3025(Part-2):2019
14.	Chloride as Cl	mg/l	30	250	1000	IS 3025(Part-32):2019
15.	Nitrate as NO3	mg/l	8.0	45	No Relaxation	IS 3025(Part-34):2019
16.	Sulphate as SO4	mg/l	38	200	400	IS 3025(Part-24):2019
17.	Sulphide as H ₂ S	mg/l	ND#	0.05	No Relaxation	IS 3025(Part-29):2019
18.	Fluoride as F	mg/l	ND#	<1.0	1.5	IS 3025(Part-60):2019
19.	Free Residual Chlorine	mg/l	ND#	0.2	1	IS 3025(Part-26):2021
20.	Ammonia as N	mg/l	ND#	0.5	No Relaxation	IS 3025(Part-34):2019
21.	Anionic Detergents as MBAS	mg/l	ND#	0.2	1.0	Annexure K of IS:13428, 2018
22.	Iron as Fe	mg/l	<0.02	0.3	No Relaxation	IS 3025(Part-2):2019
23.	Phenolic Compound	mg/l	<0.001	0.001	0.002	IS 3025(Part-43):2019
24.	Copper as Cu	mg/l	<0.005	0.05	1.5	IS 3025(Part-2):2019

Test Report No.: W231004 C -01.

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Gaja Nand Mallick

Quality Manager:

25.	Aluminium as Al	mg/l	0.029	0.03	0.2	IS 3025(Part-2):2019
26.	Barium as Ba	mg/1	0.035	0.7	No Relaxation	IS 3025(Part-2):2019
27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025(Part-2):2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025(Part-2):2019
29.	Mercury as Hg	mg/l	< 0.0005	0.001	No Relaxation	IS 3025(Part-48):2019
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	IS 3025(Part-2):2019
31.	Total Arsenic as As	mg/l	< 0.005	0.01	0.05	IS 3025(Part-2):2019
32.	Lead as Pb	mg/l	0.006	0.01	No Relaxation	IS 3025(Part-2):2019
33.	Nickel as Ni	mg/l	< 0.005	0.02	No Relaxation	IS 3025(Part-2):2019
34.	Total Chromium as Cr	mg/l	< 0.005	0.05	No Relaxation	IS 3025(Part-2):2019
35.	Total Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981
36.	Faecal Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981

#ND- Not Detected



Ajmal Husain Analyzed by:

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ver Generation Pvt. Ltd., Vill Ruwang, rang, Distt Kinnaur, (Himachal Pradesh)
Vater
Kumar Tiwari
(Outlet) Dam Site
2°C Humidity 50 ± 10 %
7.3/P-01

	TEST RESULTS									
Sl. No.	Parameters	Units	Value	Acceptable Limit	Permissible Limit	Test Method				
1.	pH		7.28	6.5-8.5	No Relaxation	IS 3025(Part-11):2022				
2.	Odour		Agreeable	Agreeable	Agreeable	IS 3025(Part-5):2018				
3.	Colour	Hazen Units	<5	5	15	IS 3025(Part-4):2021				
4.	Temperature	°C	12		1	IS 3025(Part-19):2017				
5.	Turbidity	NTU	0.6	1	5	IS 3025(Part-10):2017				
6.	Taste		Agreeable	Agreeable	Agreeable	IS 3025(Part-7&8):2017				
7.	Conductivity	µmhos/cm	185			IS 3025(Part-14):2019				
8.	Total Dissolved Solids	mg/l	120	500	2000	IS 3025(Part-16):2017				
9.	Alkalinity as CaCO ₃	mg/1	38	200	600	IS 3025(Part-23):2019				
10.	Total Hardness as CaCO ₃	mg/l	66	200	600	IS 3025(Part-21):2019				
11.	Calcium as Ca	mg/l	17.6	75	200	IS 3025(Part-40):2019				
12.	Magnesium as Mg	mg/1	5.34	30	100	IS 3025(Part-46):2019				
13.	Manganese as Mn	mg/l	<0.02	0.1	0.3	IS 3025(Part-2):2019				
14.	Chloride as Cl	mg/l	20	250	1000	IS 3025(Part-32):2019				
15.	Nitrate as NO3	mg/l	6.2	45	No Relaxation	IS 3025(Part-34):2019				
16.	Sulphate as SO ₄	mg/1	26	200	400	IS 3025(Part-24):2019				
17.	Sulphide as H ₂ S	mg/l	ND#	0.05	No Relaxation	IS 3025(Part-29):2019				
18.	Fluoride as F	mg/l	ND#	<1.0	1.5	IS 3025(Part-60):2019				
19.	Free Residual Chlorine	mg/l	ND#	0.2	1	IS 3025(Part-26):2021				
20.	Ammonia as N	mg/l	ND#	0.5	No Relaxation	IS 3025(Part-34):2019				
21.	Anionic Detergents as MBAS	mg/l	ND#	0.2	1.0	Annexure K of IS:13428, 2018				
22.	Iron as Fe	mg/l	<0.02	0.3	No Relaxation	IS 3025(Part-2):2019				
23.	Phenolic Compound	mg/l	<0.001	0.001	0.002	IS 3025(Part-43):2019				
24.	Copper as Cu	mg/l	<0.005	0.05	1.5	IS 3025(Part-2):2019				
25.	Aluminium as Al	mg/l	< 0.005	0.03	0.2	IS 3025(Part-2):2019				
26.	Barium as Ba	mg/l	0.029	0.7	No Relaxation	IS 3025(Part-2):2019				

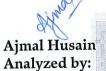
Test Report No.: W231004 C -02.

Gaja Nand Mallick

Quality Manager:

27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025(Part-2):2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025(Part-2):2019
29.	Mercury as Hg	mg/l	< 0.0005	0.001	No Relaxation	IS 3025(Part-48):2019
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	IS 3025(Part-2):2019
31.	Total Arsenic as As	mg/1	0.015	0.01	0.05	IS 3025(Part-2):2019
32.	Lead as Pb	mg/1	0.006	0.01	No Relaxation	IS 3025(Part-2):2019
33.	Nickel as Ni	mg/1	< 0.005	0.02	No Relaxation	IS 3025(Part-2):2019
34.	Total Chromium as Cr	mg/1	<0.005	0.05	No Relaxation	IS 3025(Part-2):2019
35.	Total Coliform	MPN/100ml	<2		e detectable in 00 ml sample	IS 1622:1981
36.	Faecal Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981

#ND-Not Detected



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Sample Identification No.	:	W231004 03
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling		02.10.2023
Date of Receipt	:	04.10.2023
Sample Description	:	Drinking Water
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location	:	R.O.Water (Inlet) Project Site
Sample Collected By	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	TEST	RESULTS

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Sl. No.	Parameters	Units	Value	Acceptable Limit	Permissible Limit	Test Method		
1.	pH		7.58	6.5-8.5	No Relaxation	IS 3025(Part-11):2022		
2.	Odour		Agreeable	Agreeable	Agreeable	IS 3025(Part-5):2018		
3.	Colour	Hazen Units	 <5	5	.15	IS 3025(Part-4):2021		
4.	Temperature	°C	14			IS 3025(Part-19):2017		
5.	Turbidity	NTU	1.4		5	IS 3025(Part-10):2017		
6.	Taste		Agreeable	Agreeable	Agreeable	IS 3025(Part-7&8):2017		
7.	Conductivity	µmhos/cm	303			IS 3025(Part-14):2019		
8.	Total Dissolved Solids	mg/1	197	500	2000	IS 3025(Part-16):2017		
9.	Alkalinity as CaCO ₃	mg/1	68	200	600	IS 3025(Part-23):2019		
10.	Total Hardness as CaCO3	mg/l	104	200	600	IS 3025(Part-21):2019		
11.	Calcium as Ca	mg/1	29.6	75	200	IS 3025(Part-40):2019		
12.	Magnesium as Mg	mg/l	7.29	30	100	IS 3025(Part-46):2019		
13.	Manganese as Mn	mg/1	<0.02	0.1	0.3	IS 3025(Part-2):2019		
14.	Chloride as Cl	mg/1	34	250	1000	IS 3025(Part-32):2019		
15.	Nitrate as NO3	mg/1	7.2	45	No Relaxation	IS 3025(Part-34):2019		
16.	Sulphate as SO ₄	mg/1	38	200	400	IS 3025(Part-24):2019		
17.	Sulphide as H ₂ S	mg/l	ND#	0.05	No Relaxation	IS 3025(Part-29):2019		
18.	Fluoride as F	mg/l	ND#	<1.0	1.5	IS 3025(Part-60):2019		
19.	Free Residual Chlorine	mg/l	ND#	0.2	1 .	IS 3025(Part-26):2021		
20.	Ammonia as N	mg/l	ND#	0.5	No Relaxation	IS 3025(Part-34):2019		
21.	Anionic Detergents as MBAS	mg/l	ND#	0.2	1.0	Annexure K of IS:13428, 2018		
22.	Iron as Fe	mg/l	0.026	0.3	No Relaxation	IS 3025(Part-2):2019		
23.	Phenolic Compound	mg/l	<0.001	0.001	0.002	IS 3025(Part-43):2019		
24.	Copper as Cu	mg/1	< 0.005	0.05	1.5	IS 3025(Part-2):2019		
25.	Aluminium as Al	mg/l	< 0.005	0.03	0.2	IS 3025(Part-2):2019		
26.	Barium as Ba	mg/l	0.022	0.7	No Relaxation	IS 3025(Part-2):2019		

Test Report No.: W231004 C -03.

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Gaja Nand Mallick

Quality Manager:

27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025(Part-2):2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025(Part-2):2019
29.	Mercury as Hg	mg/l	<0.0005	0.001	No Relaxation	IS 3025(Part-48):2019
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	IS 3025(Part-2):2019
31.	Total Arsenic as As	mg/l	< 0.005	0.01	0.05	IS 3025(Part-2):2019
32.	Lead as Pb	mg/l	< 0.005	0.01	No Relaxation	IS 3025(Part-2):2019
33.	Nickel as Ni	mg/l	< 0.005	0.02	No Relaxation	IS 3025(Part-2):2019
34.	Total Chromium as Cr	mg/l	<0.005	0.05	No Relaxation	IS 3025(Part-2):2019
35.	Total Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981
36.	Faecal Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981

#ND- Not Detected



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Notes:

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Sample Identification No.	:	W231004 04
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	02.10.2023
Date of Receipt	:	04.10.2023
Sample Description	:	Drinking Water
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location	:	R.O.Water (Outlet) Project Site
Sample Collected By	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
TES	ΤI	RESULTS

	TEST RESULTS									
SI. No.	Parameters	Units	Value	Acceptable Limit	Permissible Limit	Test Method				
1.	pH	lesses de ⊥ trois ien:	7.36	6.5-8.5	No Relaxation	IS 3025(Part-11):2022				
2.	Odour		Agreeable	Agreeable	Agreeable	IS 3025(Part-5):2018				
3.	Colour	Hazen Units	<5	5	15	IS 3025(Part-4):2021				
4.	Temperature	°C	12			IS 3025(Part-19):2017				
5.	Turbidity	NTU	0,5	1	5	IS 3025(Part-10):2017				
6.	Taste		Agreeable	Agreeable	Agreeable	IS 3025(Part-7&8):2017				
7.	Conductivity	µmhos/cm	245	e da anna da da		IS 3025(Part-14):2019				
8.	Total Dissolved Solids	mg/l	159	500	2000	IS 3025(Part-16):2017				
9.	Alkalinity as CaCO ₃	mg/1	58	. 200	600	IS 3025(Part-23):2019				
10.	Total Hardness as CaCO3	mg/l	70	200	600	IS 3025(Part-21):2019				
11.	Calcium as Ca	mg/1	20.8	75	200	IS 3025(Part-40):2019				
12.	Magnesium as Mg	mg/l	4.37	30	100	IS 3025(Part-46):2019				
13.	Manganese as Mn	mg/l	<0.02	0.1	0.3	IS 3025(Part-2):2019				
14.	Chloride as Cl	mg/l	32	250	1000	IS 3025(Part-32):2019				
15.	Nitrate as NO ₃	mg/1	5.8	45	No Relaxation	IS 3025(Part-34):2019				
16.	Sulphate as SO ₄	mg/l	22	200	400	IS 3025(Part-24):2019				
17.	Sulphide as H ₂ S	mg/l	ND#	0.05	No Relaxation	IS 3025(Part-29):2019				
18.	Fluoride as F	mg/l	ND#	<1.0	1.5	IS 3025(Part-60):2019				
19.	Free Residual Chlorine	mg/l	ND#	0.2	1	IS 3025(Part-26):2021				
20.	Ammonia as N	mg/1	ND#	0.5	No Relaxation	IS 3025(Part-34):2019				
21.	Anionic Detergents as MBAS	mg/l	ND#	0,2	1.0	Annexure K of IS:13428, 2018				
22.	Iron as Fe	mg/l	0.026	0.3	No Relaxation	IS 3025(Part-2):2019				
23.	Phenolic Compound	mg/l	<0.001	0.001	0.002	IS 3025(Part-43):2019				
24.	Copper as Cu	mg/l	<0.005	0.05	1.5	IS 3025(Part-2):2019				
25.	Aluminium as Al	mg/l	<0.005	0.03	0.2	IS 3025(Part-2):2019				
26.	Barium as Ba	mg/l	0.021	0.7	No Relaxation	IS 3025(Part-2):2019				

Test Report No.: W231004 C -04.

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Quality Manager:

27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025(Part-2):2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025(Part-2):2019
29.	Mercury as Hg	mg/l	<0.0005	0.001	No Relaxation	IS 3025(Part-48):2019
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	IS 3025(Part-2):2019
31.	Total Arsenic as As	mg/l	< 0.005	0.01	0.05	IS 3025(Part-2):2019
32.	Lead as Pb	mg/l	< 0.005	0.01 No Relaxation		IS 3025(Part-2):2019
33.	Nickel as Ni	mg/l	0.005	0.02 No Relaxation		IS 3025(Part-2):2019
34.	Total Chromium as Cr	mg/l	< 0.005	0.05	No Relaxation	IS 3025(Part-2):2019
35.	Total Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981
36.	Faecal Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981
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#ND- Not Detected



Analyzed by:

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Sample Identification No.	:	W231004 05
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	••	02.10.2023
Date of Receipt	••	04.10.2023
Sample Description	:	Surface Water (Tidong River)
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location	:	Tidong River Up Stream Near Dam Site
Sample Collected By	:	Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	TEST R	RESULTS

SI. No.	Parameters	Units	Value	Designated Class D	Test Method
1.	pH		7.64	6.5-8,5	IS 3025(Part-11):2022
2.	Odour		Agreeable		IS 3025(Part-5):2018
3.	Colour	Hazen Units	<5		IS 3025(Part-4):2021
4.	Temperature	°C	14		IS 3025(Part-19):2017
5.	Turbidity	NTU	1.6	a a a a	IS 3025(Part-10):2017
6.	Taste		Agreeable		IS 3025(Part-7&8):2017
7.	Conductivity	µmhos/cm	363		IS 3025(Part-14):2019
8.	Total Dissolved Solids	mg/l	236		IS 3025(Part-16):2017
9.	Alkalinity as CaCO ₃	mg/l	74		IS 3025(Part-23):2019
10.	Total Hardness as CaCO ₃	mg/l	154		IS 3025(Part-21):2019
11.	Calcium as as CaCO3	mg/1	106		IS 3025(Part-40):2019
12.	Magnesium as CaCO ₃	mg/l	48		IS 3025(Part-46):2019
13.	Manganese as Mn	mg/l	<0.01		IS 3025(Part-2):2019
14.	Chloride as Cl	mg/l	56		IS 3025(Part-32):2019
15.	Nitrate as NO ₃	mg/1	6.8		IS 3025(Part-34):2019
16.	Sulphate as SO ₄	mg/l	40		IS 3025(Part-24):2019
17.	Sulphide as H ₂ S	mg/l	ND#		IS 3025(Part-29):2019
18.	Fluoride as F	mg/l	ND#		IS 3025(Part-60):2019
19.	Total Ammonia as N	mg/l	ND#		IS 3025(Part-34):2019
20.	Anionic Detergents as MBAS	mg/l	ND#		Annexure K of IS:13428,2018
21.	Iron as Fe	mg/1	0.021		IS 3025(Part-2):2019
22.	Phenolic Compound	mg/l	ND#		IS 3025(Part-43):2019
23.	Copper as Cu	mg/l	<0.005		IS 3025(Part-2):2019
24.	Aluminium as Al	mg/l	0.041		IS 3025(Part-2):2019
25.	Boron as B	mg/l	<0.1		IS 3025(Part-2):2019
26.	Barium as Ba	mg/l	0.037		IS 3025(Part-2):2019
27.	Zinc as Zn	mg/l	<0.02		IS 3025(Part-2):2019

Page - 34 - of 65

Test Report No.: W231004 C -05.

28.	Cadmium as Cd	mg/l	< 0.002		IS 3025(Part-2):2019
29.	Total Arsenic as As	mg/l	< 0.005		IS 3025(Part-2):2019
30.	Lead as Pb	mg/l	0.006		IS 3025(Part-2):2019
31.	Nickel as Ni	mg/l	<0.005		IS 3025(Part-2):2019
32.	Total Chromium as Cr	mg/l	< 0.005		IS 3025(Part-2):2019
33.	Dissolved Oxygen	mg/l	7.8	≥4mg/l	IS 3025(Part-38):2019
34.	BOD	mg/l	5.4		IS 3025(Part-44):2019
35.	COD	mg/l	40		IS 3025(Part-58):2017
36.	Total Coliform	MPN/100ml	940		IS 1622:1981
37.	Faecal Coliform	MPN/100ml	580		IS 1622:1981

#ND- Not Detected

Designated Best Use	Class	
Drinking Water source without conventional treatment but after disinfection	Α	
Outdoor Bathing(Organized)	B	
Drinking water source after conventional treatment & disinfection	C	
Propagation of wild life & Fisheries	D	\checkmark
Irrigation, Industrial cooling, Controlled Waste Disposal	E	
	Below E	

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Sample Identification No.	:	W231004 06
Name & Address of the Customer	•	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	02.10.2023
Date of Receipt	:	04.10.2023
Sample Description	:	Surface Water (Tidong River)
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting	:	10.10.2023
Sampling Location		Tidong River Down Stream Near Power House
Sample Collected By		Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	TEST R	ESULTS

			NESULIS	Serve and the server server server as a server s	
Sl. No.	Parameters	Units	Value	Acceptable Limit	Test Method
1.	pH		7.42	6.5-8.5	IS 3025(Part-11):2022
2.	Odour		Agreeable		IS 3025(Part-5):2018
3.	Colour	Hazen Units	<5		IS 3025(Part-4):2021
4.	Temperature	°C	15		IS 3025(Part-19):2017
5.	Turbidity	NTU	1.2		IS 3025(Part-10):2017
6.	Taste	na di seneraria na arte. Na diseria	Agreeable	na line include the nature of the in- the second s	IS 3025(Part-7&8):2017
7.	Conductivity	µmhos/cm	337		IS 3025(Part-14):2019
8.	Total Dissolved Solids	mg/l	219	1	IS 3025(Part-16):2017
9.	Alkalinity as CaCO ₃	mg/l	88	1000	IS 3025(Part-23):2019
10.	Total Hardness as CaCO3	mg/l	112		IS 3025(Part-21):2019
11.	Calcium as CaCO3	mg/l	78	1 Tak	IS 3025(Part-40):2019
12.	Magnesium as CaCO ₃	mg/1	34		IS 3025(Part-46):2019
13.	Manganese as Mn	mg/1	<0.02		IS 3025(Part-2):2019
14.	Chloride as Cl	mg/1	42		IS 3025(Part-32):2019
15.	Nitrate as NO3	mg/l	4.8		IS 3025(Part-34):2019
16.	Sulphate as SO ₄	mg/l	32		IS 3025(Part-24):2019
17.	Sulphide as H ₂ S	mg/l	ND#		IS 3025(Part-29):2019
18.	Fluoride as F	mg/l	ND#		IS 3025(Part-60):2019
19.	Total Ammonia as N	mg/l	ND#		IS 3025(Part-34):2019
20.	Anionic Detergents as MBAS	mg/l	ND#		Annexure K of IS:13428,2018
21.	Iron as Fe	mg/l	0.023		IS 3025(Part-2):2019
22.	Phenolic Compound	mg/l	ND#		IS 3025(Part-43):2019
23.	Copper as Cu	mg/l	<0.005		IS 3025(Part-2):2019
24.	Aluminium as Al	mg/1	0.046		IS 3025(Part-2):2019
25.	Boron as B	mg/l	<0.1		IS 3025(Part-2):2019
26.	Barium as Ba	mg/l	0.037		IS 3025(Part-2):2019

Page - 36 - of 65

Test Report No.: W231004 C -06.

27.	Zinc as Zn	mg/l	< 0.02		IS 3025(Part-2):2019
28.	Cadmium as Cd	mg/l	< 0.002		IS 3025(Part-2):2019
29.	Total Arsenic as As	mg/l	0.005		IS 3025(Part-2):2019
30.	Lead as Pb	mg/l	0.005		IS 3025(Part-2):2019
31.	Nickel as Ni	mg/l	<0.005		IS 3025(Part-2):2019
32.	Total Chromium as Cr	mg/l	<0.005		IS 3025(Part-2):2019
33.	Dissolved Oxygen	mg/l	6.8	≥4mg/l	IS 3025(Part-38):2019
34.	BOD	mg/l	7.2		IS 3025(Part-44):2019
35.	COD	mg/l	62		IS 3025(Part-58):2017
36.	Total Coliform	MPN/100ml	1090		IS 1622:1981
37.	Faecal Coliform	MPN/100ml	542		IS 1622:1981
				EL: YO MINING SHOOL	

#ND- Not Detected

Designated Best Use	Class	
Drinking Water source without conventional treatment but after disinfection	Α	
Outdoor Bathing(Organized)	B	
Drinking water source after conventional treatment & disinfection	C	
Propagation of wild life & Fisheries	D	
Irrigation, Industrial cooling, Controlled Waste Disposal	E	
	Below E	

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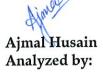
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Sample Identification No.	:	W231004 07			
		Tidong Power Generation Pvt. Ltd., Vill Ruwang,			
Name & Address of the Customer		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)			
Date of Sampling	:	02.10.2023			
Date of Receipt	:	04.10.2023			
Sample Description	:	Waste Water			
Sample Condition	:	Ok			
Start Date of Analysis	:	04.10.2023			
End Date of Analysis	:	10.10.2023			
Date of Reporting	:	10.10.2023			
Sampling Location	:	STP Un-Treated Near Power House			
Sample Collected By	:	Mr. Ankit Kumar Tiwari			
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %			
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01			
TEST RESULTS					

Sl. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	pH	Carl Carl Carl	6.74	lga les so:	IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/l	418		IS 3025(Part-17):2021
3.	COD	mg/1	582		IS 3025(Part-58):2017
4.	BOD	mg/l	74		IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	182	1	IS 3025(Part-39):2021



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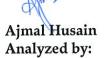
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Sample Identification No.	:	W231004 08			
		Tidong Power Generation Pvt. Ltd., Vill Ruwang,			
Name & Address of the Customer		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)			
Date of Sampling	:	02.10.2023			
Date of Receipt	:	04.10.2023			
Sample Description	:	Waste Water			
Sample Condition	:	Ok			
Start Date of Analysis	:	04.10.2023			
End Date of Analysis	:	10.10.2023			
Date of Reporting	:	10.10.2023			
Sampling Location		STP Treated Near Power House			
Sample Collected By	:	Mr. Ankit Kumar Tiwari			
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %			
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01			
TEST RESULTS					

SI. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	pH	o- in the	6.86	5.5-9.0	IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/l	78	100	IS 3025(Part-17):2021
3.	COD	mg/l	119	250	IS-3025(Part-58):2017
4.	BOD	mg/1	16	30	IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	12	20	IS 3025(Part-39):2021



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****End of Report***

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Sample Identification No.	:	W231004 09
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	02.10.2023
Date of Receipt	:	04.10.2023
Sample Description	:	Waste Water
Sample Condition	:	Ok
Start Date of Analysis	:	04.10.2023
End Date of Analysis	:	10.10.2023
Date of Reporting		10.10.2023
Sampling Location		STP Un-Treated Near Dam Site
Sample Collected By		Mr. Ankit Kumar Tiwari
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	A CONTRACTOR	MEL/MSP/7.3/P-01
	TEST	FRESULTS

Sl. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	рН		6.82	1111+++-11111	IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/l	86	· · · · · · · · · · · ·	IS 3025(Part-17):2021
3.	COD	mg/1	554		IS 3025(Part-58):2017
4.	BOD	mg/l	72		IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	166		IS 3025(Part-39):2021

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****End of Report***

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Sample Identification No.	: W231004 10
Name & Address of the Customer	: Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	: 02.10.2023
Date of Receipt	: 04.10.2023
Sample Description	: Waste Water
Sample Condition	: Ok
Start Date of Analysis	: 04.10.2023
End Date of Analysis	: 10.10.2023
Date of Reporting	: 10.10.2023
Sampling Location	: STP Treated Near Dam Site
Sample Collected By	: Mr. Ankit Kumar Tiwari
Environmental Condition at Lab	: Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	: MEL/MSP/7.3/P-01

SI. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	pH		6.82	5.5-9.0	IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/1	86	100	IS 3025(Part-17):2021
3.	COD	mg/l	107	250	IS 3025(Part-58):2017
4.	BOD	mg/1	14	30	IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	10	20	IS 3025(Part-39) : 2021



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****End of Report****

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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	27.09.2023
Date of Reporting	:	10.10.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Power House
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020
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Monitoring Report

S1. No.		N	loise Level dB(A)		Category of Area
140.	Ld	Ln	Lmin	Lmax	Leq	
1.	54.82	40.10	37.10	56.70	48.19	Industrial Area

Standards of Noise Level

	As Per CPCB Guidelines							
Sl. No.	Category of Area	Day dB (A)	Night dB (A)					
1.	Industrial Area	75	70					
2.	Commercial Area	65	55					
3.	Residential Area	55	45					
4.	Silence Zone	50	40					

Product. Prabhat Ranjan Dutta

Analyzed by:



Mall Gaja Nand Mallick **Quality Manager:**





Location	-31	Power Ho	ouse	0
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	44.20	45.23	46.30
	07:00AM-08:00AM	44.30	46.29	48.60
	08:00AM-09:00AM	46.30	51.46	54.50
	09:00AM-10:00AM	46.60	49.78	51.40
	10:00AM-11:00AM	47.20	49.88	51.90
	11:00AM-12:00PM	53.10	54.46	56.30
	12:00PM-01:00PM	53.60	54.90	56.30
	01:00PM-02:00PM	54.10	54.99	55.90
	02:00PM-03:00PM	54.10	55.42	56.70
	03:00PM-04:00PM	54.80	55.42	56.40
	04:00PM-05:00PM	50.20	52.78	56.40
	05:00PM-06:00PM	50.10	52.73	56.30
27.09.2023	06:00PM-07:00PM	46.60	49.80	52.80
	07:00PM-08:00PM	47.30	50.57	52.70
	08:00PM-09:00PM	46.60	50.68	52.80
	09:00PM-10:00PM	47.90	51.19	52.80
	10:00PM-11:00PM	37.90	42.20	46.70
	11:00PM-12:00AM	38.70	41.19	43.90
	12:00AM-01:00AM	37.50	40.34	43.50
2	01:00AM-02:00AM	40.20	42.58	45.30
	02:00AM-03:00AM	38.40	40.47	42.50
	03:00AM-04:00AM	40.10	41.99	43.80
	04:00AM-05:00AM	37.10	40.61	43.20
l, j	05:00AM-06:00AM	39.50	41.49	43.80
	Average	37.10	48.19	56.70

Problet.



Mallick Gaja Nand Mallick Quality Manager:





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	27.09.2023
Date of Reporting	:	10.10.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Near Site Office
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020

Monitoring Report

S1. No.			Noise Level o	lB(A)		Category of Area
	Ld	Ln	Lmin	Lmax	Leq	
1.	54.82	40.10	36.50	57.20	48.22	Industrial Area

Standards of Noise Level

As Per CPCB Guidelines							
Sl. No.	Category of Area	Day dB (A)	Night dB (A)				
1.	Industrial Area	75	70				
2.	Commercial Area	65	55				
3.	Residential Area	55	45				
4.	Silence Zone	50	40				

Product



Mallie Gaja Nand Mallick **Quality Manager:**





Location	Near Site Office					
Date	Day/ Hours	Lmin	Leq	Lmax		
	06:00AM-07:00AM	43.80	45.17	46.30		
	07:00AM-08:00AM	44.00	46.05	48.60		
	08:00AM-09:00AM	46.30	51.46	54.50		
	09:00AM-10:00AM	46.60	49.78	51.40		
	10:00AM-11:00AM	47.20	49.88	51.90		
	11:00AM-12:00PM	53.10	54.85	57.20		
	12:00PM-01:00PM	53.60	54.90	56.30		
	01:00PM-02:00PM	54.10	54.99	55.90		
	02:00PM-03:00PM	54.10	55.42	56.70		
24	03:00PM-04:00PM	54.80	55.82	56.90		
s 9001	04:00PM-05:00PM	50.20	52.78	56.40		
25 00 0000	05:00PM-06:00PM	50.10	52.73	56.30		
27.09.2023	06:00PM-07:00PM	46.60	49.80	52.80		
	07:00PM-08:00PM	47.30	50.57	52.70		
	08:00PM-09:00PM	46.60	50.68	52.80		
	09:00PM-10:00PM	47.90	51.19	52.80		
	10:00PM-11:00PM	37.90	42.83	48.60		
	11:00PM-12:00AM	38.70	41.19	43.90		
	12:00AM-01:00AM	36.50	40.24	43.50		
	01:00AM-02:00AM	36.80	42.42	45.30		
	02:00AM-03:00AM	38.40	40.47	42.50		
	03:00AM-04:00AM	40.10	41.99	43.80		
	04:00AM-05:00AM	37.10	40.61	43.20		
	05:00AM-06:00AM	39.50	41.49	43.80		
	Average	36.50	48.22	57.20		

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****End of Report***

Mallice Gaja Nand Mallick **Quality Manager:**

Test Report No.: N231004 C -03.



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Name & Address of the Customer		
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	28.09.2023
Date of Reporting	:	10.10.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Near Store Room
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method		IS 9989 : 2020

Monitoring Report

S1. No.			Noise Level d	lB(A)		Category of Area
	Ld	Ln	Lmin	Lmax	Leq	
1.	52.40	43.00	42.60	58.90	52.21	Industrial Area

Standards of Noise Level

S1. No.	Category of Area	Day dB (A)	Night dB (A)
	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

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Prabhat Ranjan Dutta Analyzed by:

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A Gaja Nand Mallick **Quality Manager:**

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Location	8	Near Store I	Room	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	51.80	54.83	58.70
	07:00AM-08:00AM	53.20	56.37	58.80
	08:00AM-09:00AM	53.20	55.94	58.80
	09:00AM-10:00AM	52.30	55.78	58.58
	10:00AM-11:00AM	52.30	55.14	58.80
	11:00AM-12:00PM	52.40	57.28	58.80
	12:00PM-01:00PM	52.40	56.93	58.80
	01:00PM-02:00PM	52.30	54.50	58.80
	02:00PM-03:00PM	52.30	57.36	58.30
	03:00PM-04:00PM	52.40	55.37	58.60
	04:00PM-05:00PM	52.40	57.62	58.80
	05:00PM-06:00PM	53.40	57.73	58.90
28.09.2023	06:00PM-07:00PM	52.30	57.47	58.80
	07:00PM-08:00PM	52.70	57.05	58.60
Law go -	08:00PM-09:00PM	52.30	55.15	58.30
	09:00PM-10:00PM	52.60	56.04	58.60
	10:00PM-11:00PM	43.10	44.04	46.30
	11:00PM-12:00AM	42.60	45.13	49.00
	12:00AM-01:00AM	43.10	43.92	44.80
	01:00AM-02:00AM	43.10	43.80	45.50
	02:00AM-03:00AM	43.00	43.44	44.00
	03:00AM-04:00AM	43.00	43.58	44.60
	04:00AM-05:00AM	43.10	43.92	46.60
	05:00AM-06:00AM	43.10	44.69	49.30
12	Average	42.60	52.21	58.90

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Hallick Gaja Nand Mallick **Quality Manager:**





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	29.09.2023
Date of Reporting	:	10.10.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Dam Site
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020

Monitoring Report

SI. No.		ľ	loise Level dB	(A)		Category of Area
	Ld	Ln III	Lmin	Lmax	Leq	
1	53.10	38.87	36.50	57.10	47.48	Industrial Area

Standards of Noise Level

		As Per CPCB Guidelines	
Sl. No.	Category of Area	Day dB (A)	Night dB (A)
1.	Industrial Area	75	70
2.	Commercial Area	65	- 55
3.	Residential Area	55	45
4.	Silence Zone	50	40

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Gaja Nand Mallick **Quality Manager:**



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Location		Dam Si	ite	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	42.40	49.93	47.20
-	07:00AM-08:00AM	44.50	44.75	48.70
-	08:00AM-09:00AM	45.80	47.07	49.80
	09:00AM-10:00AM	47.20	47.90	51.90
	10:00AM-11:00AM	48.60	50.70	52.20
	11:00AM-12:00PM	49.20	51.60	53.90
	12:00PM-01:00PM	50.40	52.56	54.40
	01:00PM-02:00PM	51.90	54.10	56.30
	02:00PM-03:00PM	53.80	55.90	57.10
	03:00PM-04:00PM	52.80	54.39	55.40
	04:00PM-05:00PM	50.90	52.75	54.20
	05:00PM-06:00PM	48.30	51.45	53.60
29.09.2023	06:00PM-07:00PM	47.20	49.68	51.40
	07:00PM-08:00PM	45.60	48.15	50.60
	08:00PM-09:00PM	43.50	46.98	49.60
	09:00PM-10:00PM	42.90	46.20	48.60
	10:00PM-11:00PM	42.10	45.88	49.80
	11:00PM-12:00AM	40.50	42.97	45.90
	12:00AM-01:00AM	39.70	41.31	42.50
	01:00AM-02:00AM	36.50	38.80	40.50
Advanta	02:00AM-03:00AM	36.70	38.19	39.40
	03:00AM-04:00AM	38.70	40.91	42.80
	04:00AM-05:00AM	40.60	42.73	44.50
	05:00AM-06:00AM	42.80	44.55	46.20
	Average	36.50	47.48	57.10

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Malerey Gaja Nand Mallick Quality Manager:





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
В		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	30.09.2023
Date of Reporting	:	10.10.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	ADIT-I
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method	:	IS 9989 : 2020

				onitoring Rep	ort	
S1. No.	192		Noise Level o	lB(A)		Category of Area
	Ld	Ln	Lmin	Lmax	Leq	
1.	54.82	40.10	36.40	57.20	48.22	Industrial Area

Standards of Noise Level

		As Per CPCB Guidelines	
Sl. No.	Category of Area	Day dB (A)	Night dB (A)
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

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Hallock Gaja Nand Mallick **Quality Manager:**





Location		ADIT-		
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	43.80	45.17	46.30
	07:00AM-08:00AM	44.00	46.05	48.60
	08:00AM-09:00AM	46.30	51.46	54.50
	09:00AM-10:00AM	46.60	49.78	51.40
-	10:00AM-11:00AM	47.20	49.88	51.90
	11:00AM-12:00PM	53.10	54.85	57.20
12	12:00PM-01:00PM	53.60	54.90	56.30
	01:00PM-02:00PM	54.10	54.99	55.90
	02:00PM-03:00PM	54.10	55.42	56.70
	03:00PM-04:00PM	54.80	55.82	56.90
	04:00PM-05:00PM	50.20	52.78	56.40
	05:00PM-06:00PM	50.10	52.73	56.30
30.09.2023	06:00PM-07:00PM	46.60	49.80	52.80
	07:00PM-08:00PM	47.30	50.57	52.70
	08:00PM-09:00PM	46.60	50.68	52.80
	09:00PM-10:00PM	47.90	51.19	52.80
	10:00PM-11:00PM	37.90	42.83	48.60
	11:00PM-12:00AM	38.70	41.19	43.90
	12:00AM-01:00AM	36.40	40.24	43.50
	01:00AM-02:00AM	36.80	42.42	45.30
	02:00AM-03:00AM	38.40	40.47	42.50
	03:00AM-04:00AM	40.10	41.99	43.80
	04:00AM-05:00AM	37.10	40.61	43.20
	05:00AM-06:00AM	39.50	41.49	43.80
	Average	36.40	48.22	57.20

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Prabhat Ranjan Dutta Analyzed by:



Hallick Gaja Nand Mallick Quality Manager:

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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
and the second second		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	01.10.2023
Date of Reporting	:	10.10.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	ADIT-II
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method	udi Citta	IS 9989 : 2020

Monitoring Report	CARDING THE AREA	Stand State	and the second	11 N.
woning acport	Moni	toring	ROT	ort
	TATOILI	toring	S MC	JUIL

S1. No.		N N	oise Level dB(A)		Category of Area
	Ld	Ln	Lmin	Lmax	Leq	a a construction of the second se
1.	53.08	38.79	37.30	58.20	47.53	Industrial Area

Standards of Noise Level

As Per CPCB Guidelines					
S1. No.	Category of Area	Day dB (A)	Night dB (A)		
1.	Industrial Area	75	70		
2.	Commercial Area	65	55		
3.	Residential Area	55	45		
4.	Silence Zone	50	40		

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Prabhat Ranjan Dutta Analyzed by:



Maleter Gaja Nand Mallick **Quality Manager:**

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Location	ADIT-II					
Date	Day/ Hours	Lmin	Leq	Lmax		
	06:00AM-07:00AM	43.10	49.93	47.20		
	07:00AM-08:00AM	44.50	44.98	48.70		
	08:00AM-09:00AM	45.80	47.07	49.80		
	09:00AM-10:00AM	47.20	47.90	51.90		
	10:00AM-11:00AM	48.60	50.70	52.20		
	11:00AM-12:00PM	49.20	51.60	53.90		
a	12:00PM-01:00PM	50.40	52.56	54.40		
	01:00PM-02:00PM	51.90	54.10	56.30		
10	02:00PM-03:00PM	53.80	56.07	58.20		
	03:00PM-04:00PM	52.80	54.39	55.40		
	04:00PM-05:00PM	50.90	52.75	54.20		
01 10 0000	05:00PM-06:00PM	48.30	51.45	53.60		
01.10.2023	06:00PM-07:00PM	47.20	49.68	51.40		
	07:00PM-08:00PM	45.60	48.15	50.60		
	08:00PM-09:00PM	43.50	46.98	49.60		
E	09:00PM-10:00PM	43.10	46.31	48.60		
	10:00PM-11:00PM	42.10	45.88	49.80		
	11:00PM-12:00AM	40.50	42.97	45.90		
	12:00AM-01:00AM	39.70	41.31	42.50		
	01:00AM-02:00AM	37.30	38.93	40.50		
	02:00AM-03:00AM	37.50	38.77	40.40		
	03:00AM-04:00AM	38.70	40.91	42.80		
	04:00AM-05:00AM	40.60	42.73	44.50		
	05:00AM-06:00AM	42.80	44.55	46.20		
	Average	37.30	47.53	58.20		

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Prabhat Ranjan Dutta Analyzed by:



Mallick Gaja Nand Mallick Quality Manager:

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		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	30.09.2023
Date of Reporting	:	04.10.2023
Sample Description	:	Source Noise Monitoring
Capacity of D.G.(KVA)	:	40 KVA
Sampling Location	:	Near Site Office
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method	:	IS 4758 : 2017
	Mon	itoring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	Leq	CPCB Guidelines & Indian Standard:9989	87.78	63.79	24.00
2.	Lmin	CPCB Guidelines & Indian Standard:9989	61.40	46.20	
3.	Lmax	CPCB Guidelines & Indian Standard:9989	94.20	70.20	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

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alle Y Gaja Nand Mallick Quality Manager:





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,		
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)		
Date of Monitoring	:	30.09.2023		
Date of Reporting	:	10.10.2023		
Sample Description	:	Source Noise Monitoring		
Capacity of D.G.(KVA)	:	250 KVA		
Sampling Location	:	Near Site Office		
Monitored by	:	Mr. Ankit Kumar Tiwari		
Test Method	:	IS 4758 : 2017		
Monitoring Report				

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	CPCB Guidelines & Indian Standard:9989	81.94	62.99	23.30
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	62.50	48.60	
3.	Lmax	CPCB Guidelines & Indian Standard:9989	90.50	67.20	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

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Mallin Gaja Nand Mallick **Quality Manager:**





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,		
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)		
Date of Monitoring	:	30.09.2023		
Date of Reporting	:	10.10.2023		
Sample Description	:	Source Noise Monitoring		
Capacity of D.G.(KVA)	:	125 KVA		
Sampling Location	:	Near Power House		
Monitored by	:	Mr. Ankit Kumar Tiwari		
Test Method	:	IS 4758 : 2017		
Monitoring Report				

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	Leq	CPCB Guidelines & Indian Standard:9989	87.46	65.58	23.70
2.	Lmin	CPCB Guidelines & Indian Standard:9989	66.50	45.40	
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	94.20	70.50	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

Problet.

Prabhat Ranjan Dutta Analyzed by:



Mallete Gaja Nand Mallick **Quality Manager:**

****End of Report****





:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,			
	P.O Moorang, Distt Kinnaur, (Himachal Pradesh)			
:	30.09.2023			
:	10.10.2023			
:	Source Noise Monitoring			
:	125 KVA			
:	Near Cement Store			
:	Mr. Ankit Kumar Tiwari			
:	IS 4758 : 2017			
Monitoring Report				
	: : : : : : : : : : : : : : :			

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	Leq	CPCB Guidelines & Indian Standard:9989	87.59	65.43	24.10
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	68.20	44.80	
3.	Lmax	CPCB Guidelines & Indian Standard:9989	94.60	70.50	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

froldl^{ob} Prabhat Ranjan Dutta Analyzed by:



Malle Gaja Nand Mallick **Quality Manager:**

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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,		
a ⁿ		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)		
Date of Monitoring	:	01.10.2023		
Date of Reporting	:	10.10.2023		
Sample Description	:	Source Noise Monitoring		
Capacity of D.G.(KVA)	:	320 KVA		
Sampling Location	:	ADIT-II		
Monitored by	:	Mr. Ankit Kumar Tiwari		
Test Method		IS 4758 : 2017		
Monitoring Report				

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	CPCB Guidelines & Indian Standard:9989	80.12	62.77	23.90
2.	Lmin	CPCB Guidelines & Indian Standard:9989	68.50	43.60	
3.	Lmax	CPCB Guidelines & Indian Standard:9989	90.40	66.50	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

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Prabhat Ranjan Dutta Analyzed by:



Mallic Gaja Nand Mallick **Quality Manager:**

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Test Report No.: N231004 C -12.



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Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	01.10.2023
Date of Reporting	:	10.10.2023
Sample Description	:	Source Noise Monitoring
Capacity of D.G.(KVA)	:	320 KVA
Sampling Location	:	ADIT-I
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method	:	IS 4758 : 2017
	Moni	toring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	CPCB Guidelines & Indian Standard:9989	88.41	63.88	23.80
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	61.60	45.80	
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	94.60	70,80	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

Problet



****End of Report****

Halete Gaja Nand Mallick Quality Manager:





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	01.10.2023
Date of Reporting	:	10.10.2023
Sample Description	:	Source Noise Monitoring
Capacity of D.G.(KVA)	:	500 KVA
Sampling Location	:	Dam Site near Crusher Plant (500 KVA)
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method		IS 4758 : 2017
	Moni	toring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	Leq	CPCB Guidelines & Indian Standard:9989	87.41	65.88	23.40
2.	Lmin	CPCB Guidelines & Indian Standard:9989	70.50	46.50	
3.	Lmax	CPCB Guidelines & Indian Standard:9989	94.60	71.20	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

Problet_

Prabhat Ranjan Dutta Analyzed by:



Mallec Gaja Nand Mallick **Quality Manager:**

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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	01.10.2023
Date of Reporting	:	10.10.2023
Sample Description	:	Source Noise Monitoring
Capacity of D.G.(KVA)	:	500 KVA
Sampling Location	:	Dam Site Batching Plant
Monitored by	:	Mr. Ankit Kumar Tiwari
Test Method	:	IS 4758 : 2017
	Moni	toring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	Leq	CPCB Guidelines & Indian Standard:9989	91.40	64.38	24,00
2.	Lmin	CPCB Guidelines & Indian Standard:9989	74.80	49.70	
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	94.60	70.60	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

Problet



Mas Gaja Nand Mallick **Quality Manager:**





Traffic Survey

Location	Check Post, Village - Ruwang, Distt Kinnaur, Himachal Pradesh							
Date	29.09.2023 to 30.09.2023							
		Type of Vehicles						
Time (Hrs)	Project LCV	Other LCV	Other Trucks/Bus	Project Trucks	2-Wheelers			
06:00-07:00	00		00	00	00			
07:00-08:00	00	00	00	00	00			
08:00-09:00	02	00	00	00	00			
09:00-10:00	03	01	00	01	00			
10:00-11:00	.02	00	00	01	01			
11:00-12:00	00	03	00	02	00			
12:00-13:00	02	00	00	01	00			
13:00-14:00	02	01	00	01	00			
14:00-15:00	-00	02	00	-01	00			
15:00-16:00	03	01	00	02	01			
16:00-17:00	00	03	00	01	00			
17:00-18:00	01	01	00 ¹	00	00			
18:00-19:00	02	02	00	01	00			
19:00-20:00	00	00	00	00	00			
20:00-21:00	02	01	. 00	00	00			
21:00-22:00	00	00	00	01	00			
22:00-23:00	00	01	00	00	00			
23:00-24:00	00	00	00	00	00			
24:00-01:00	00	00	00	00	00			
01:00-02:00	00	00	00	00	00			
02:00-03:00	00	00	00	00	00			
03:00-04:00	00	00	00	00	00			
04:00-05:00	00	00	00	00	00			
05:00-06:00	00	00	00	00	00			
Total	19	16	00	12	02			



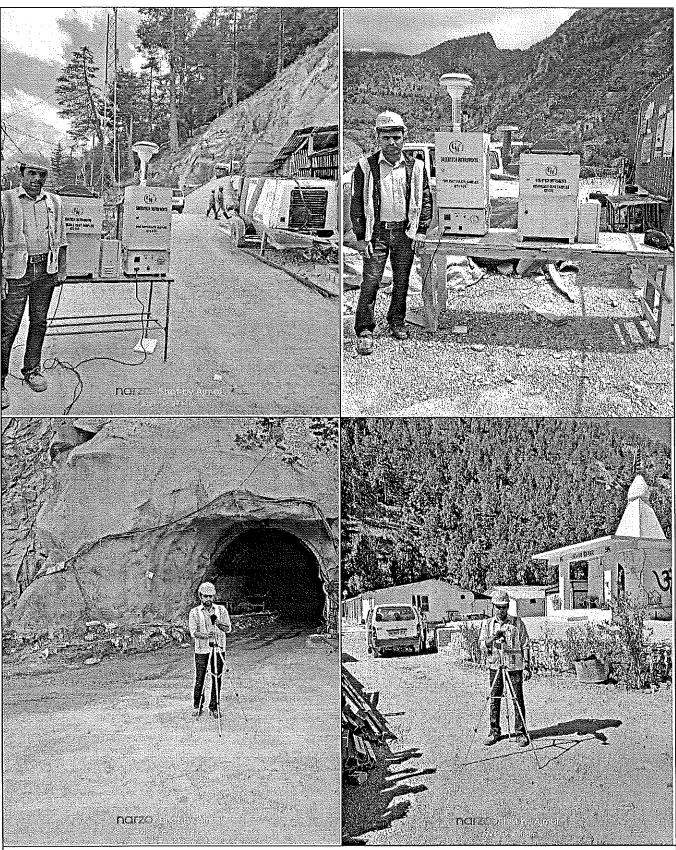
Environmental Monitoring Photographs of TPGPL Project, Kinnaur, H.P.

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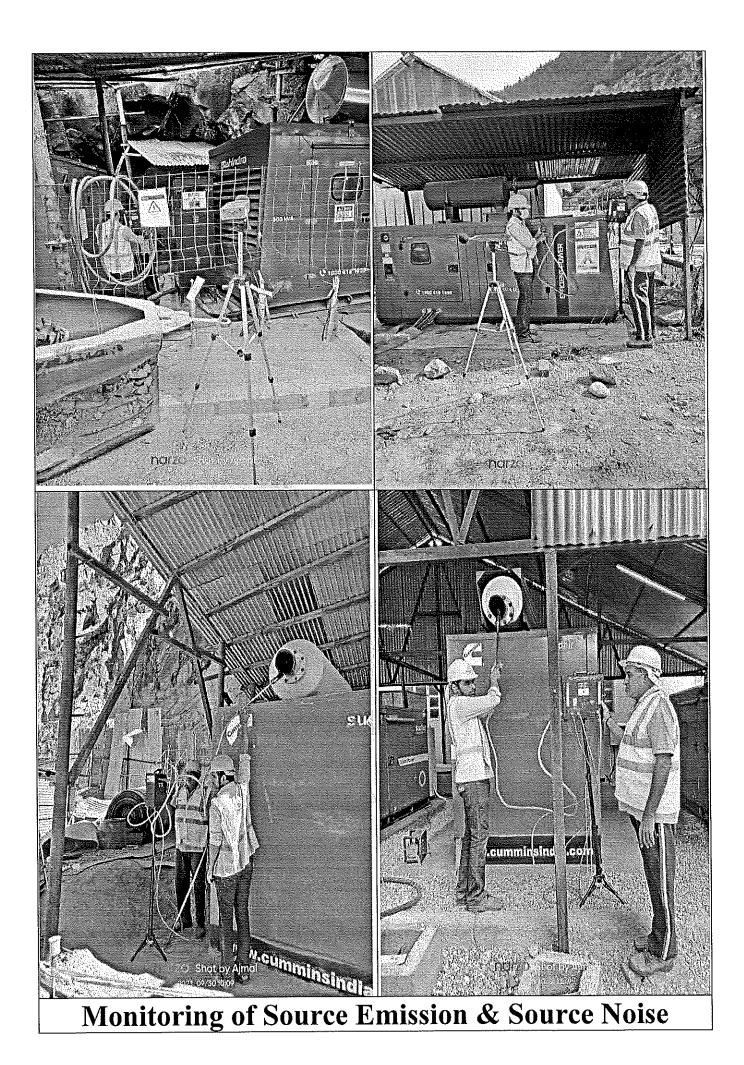
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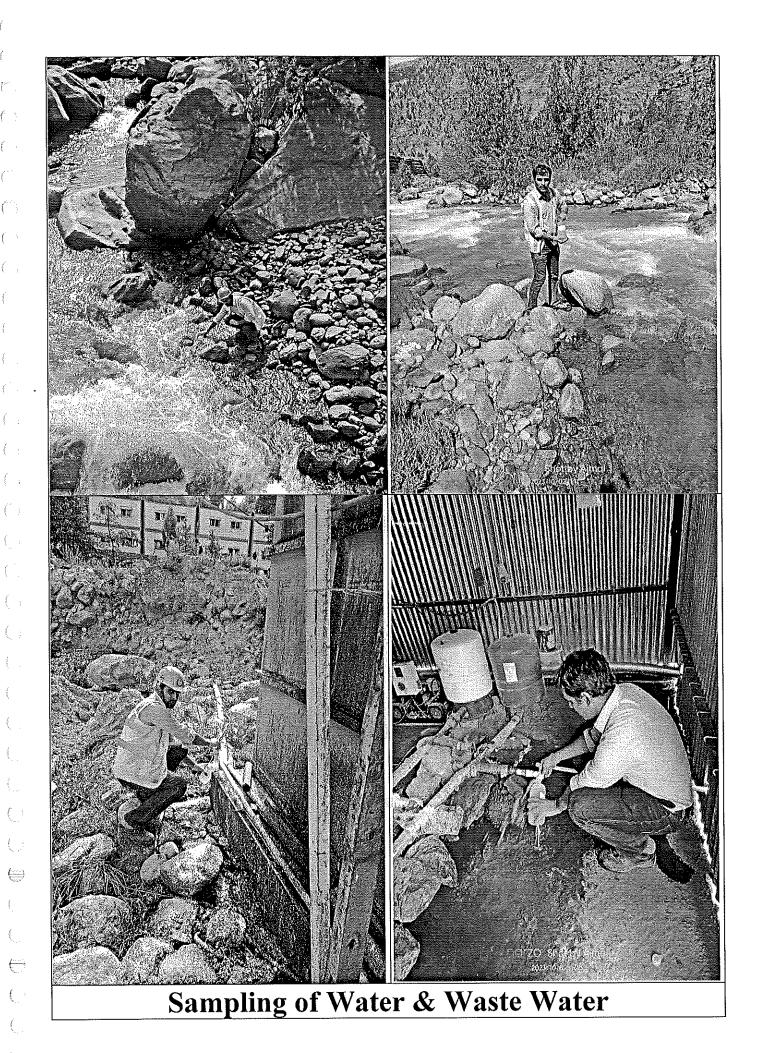
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Monitoring of Ambient Air & Ambient Noise



Page - 64 - of 65



ENVIRONMENTAL MONITORING REPORT

FOR

TIDONG POWER GENERATION PVT LTD

TIDONG POWER GENERATION PVT.

SITE OFFICE

VILL-RUWANG, PO-MORANG DISTT-KINNAUR, HIMACHAL PRADE

M/TPGPL./2023/03

December, 2023



MANTEC CONSULTANTS PVT. LTD.

QCI /NABET Accredited EIA Consultant at S.No.167 as per List of Accredited consultant Organizations/ Rev.25 /Sept 05, 2022 and MoEF&CC approved Laboratory 805, Vishal Bhawan, 95 Nehru Place, New Delhi-110019, PH. 011-26429294/95/96, Fax. 011-26463665/26842531, Environment Division, D-36, Sector-6, Noida-201 301, U. P., Ph. 0120-4215000, 0120-4215807 Fax. 0120-4215809,

> e-mail: <u>lab@mantecconsultants.com</u> Website: www.mantecconsultants.com

TABLE OF CONTENTS

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1. No	Contents	Page No.
]	Summary of Report	02-04
	Ambient Air Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	05-14
1.	Near Site Office	05-06
2.	Near Store Room	07-08
3.	ADIT-I	09-10
4.	ADIT-II	11-12
5.	Dam Site Near Batching Plant	13-14
	Stack Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	15-18
1.	Near Site Office (320 KVA)	15
2.	Near Site Office (250 KVA)	16
3.	Near Cement Store (125 KVA)	17
4.	Near Dam Site Batching Plant (500 KVA)	18
	Water Quality Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	19-30
1.	Drinking Water - R.O. Inlet Water Near Dam Site	19-20
2.	Drinking Water - R.O. Outlet Water Near Dam Site	21-22
3.	Surface Water- Tidong River Upstream Near Dam Site	23-24
4.	Surface Water- Downstream Project Site Near Power House	25-26
5.	Waste Water- STP Untreated Water Near Dam Site	27
6.	Waste Water- STP Treated Water Near Dam Site	28
7.	Waste Water- STP Untreated Water Near Power House	29
8.	Waste Water- STP Treated Water Near Power House	30
	Ambient Noise Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	31-40
1.	Near Site Office	31-32
2.	Near Store Room	33-34
3.	ADIT-I	35-36
4.	ADIT-II	37-38
5.	Dam Site Near Batching Plant	39-40
	Source Noise Monitoring Locations At Tidong Power Generation Pvt. Ltd., Vill. Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	41-44
1.	Near Site Office (320 KVA)	41
2.	Near Site Office (250 KVA)	42
3.	Near Cement Store (125 KVA)	43
4.	Near Dam Site Batching Plant (500 KVA)	44
	Traffic Survey Locations At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	45
1.	Check Post, Village - Ruwang	45
<u> </u>	Monitoring Photographs At Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O - Moorang, Distt Kinnaur, (Himachal Pradesh)	. 46-48

SUMMARY OF REPORT

AMBIENT AIR QUALITY

To assess the Ambient Air Quality status in the study area surrounding of Tidong HEP seven monitoring locations were selected on the basis of topographical and meteorological situation. The details of monitoring locations and parameters carried out and testing protocols are as follows:

AMBIENT AIR QUALITY STATUS

Pollutants like PM₁₀, PM_{2.5}, SO₂, NO₂ & CO were collected and analyzed.

	Locations	Parameters	Unit of Measurements	CPCB Prescribed Limits	Protocol
1	Near Site Office				TO F400/D 4 01/001/7
2	Near Store Room	SO ₂	$\mu g/m^3$	80 (24 Hours) 80 (24 Hours)	IS 5182(Part-2):2017 IS 5182(Part-6):2017
3	ADIT-I	NO2 PM10	μg/ m ³ μg/m ³	100 (24 Hours)	IS 5182(Part-23):2017
4	ADIT-II	$PM_{2.5}$	$\mu g/m^{3}$	60 (24 Hours)	IS 5182(Part-24):2019
5	Dam Site Near	CO	mg/m^3	2 (08 Hours)	IS 5182(Part-10):2019
5	Batching Plant		0.		NDIR spectroscopy

Conclusion

PM₁₀ (Particulate Matter)

During the monitoring period, it has been observed that the average values of PM_{10} for all the monitoring stations ranging from 42 µg/m³ to 58 µg/m³. The lowest value was observed as 42µg/m³ at Near Site Office and the highest value was observed as 58 µg/m³ at Near Store Room. The values of all locations are well within the CPCB prescribed limits for PM₁₀ i.e., 100 µg/m³.

PM2.5 (Fine Particulate Matter)

During the monitoring period, it has been observed that the average values of $PM_{2.5}$ for all the monitoring stations ranging from $24 \,\mu g/m^3$ to $34 \,\mu g/m^3$. The lowest value was observed as $24 \,\mu g/m^3$ at ADIT-1 and the highest value was observed as $34 \,\mu g/m^3$ at Near Store Room. The values of all locations are well within the CPCB prescribed limits for $PM_{2.5}$ i.e., $60 \,\mu g/m^3$.

Sulphur Dioxide

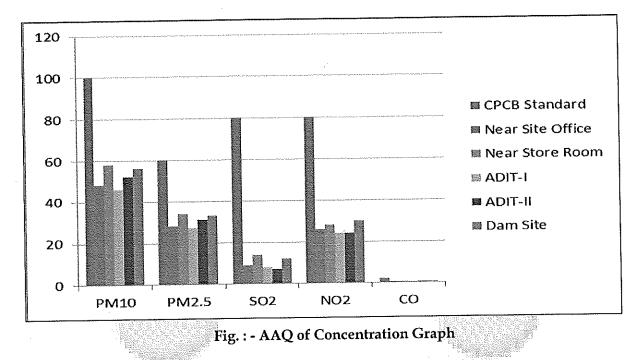
During the monitoring period, it has been observed that the average values of SO₂ for all the monitoring stations ranging from 05 μ g/m³ to 14 μ g/m³. The lowest value was observed as 05 μ g/m³ at ADIT-II and the highest value was observed as 14 μ g/m³ at Near Store Room. The values of all locations are well within the CPCB prescribed limits for SO₂ i.e., 80 μ g/m³.

Nitrogen Dioxide

During the monitoring period, it has been observed that the average values of NO₂ for all the monitoring stations ranging from 20 μ g/m³ to 30 μ g/m³. The lowest value was observed as 20 μ g/m³ at ADIT-II and the highest value was observed as 30 μ g/m³ at Dam Site. The values of all locations are well within the CPCB prescribed limits for NO₂ i.e., 80 μ g/m³.

Carbon Monoxide

During the monitoring period, it has been observed that the average values of CO for all the monitoring stations ranging from 0.42 mg/m^3 to 0.62 mg/m^3 . The lowest value was observed as 0.42 mg/m^3 at ADIT-I and the highest value was observed as 0.62 mg/m^3 at Near Store Room. The values of all locations are well within the CPCB prescribed limits for CO i.e., 2.0 mg/m³.



WATER QUALITY

To assess the Water Quality Status in the vicinity of Tidong HEP 08 sampling locations were selected. The Physico-Chemical parameters are analyzed and compared with IS: 10500 for suitability of the drinking purpose are as follows:

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SI.			Acceptable	Permissible	
51. No.	Parameters	Units	Limit	Limit	Test Method
1.	pH		6.5-8.5	No Relaxation	IS 3025(Part-11) : 2022
2.	Odour		Agreeable	Agreeable	IS 3025(Part-5) : 2018
3.	Colour	Hazen Units	5	15	IS 3025(Part-4) : 2021
4.	Temperature	°C			IS 3025(Part-19) : 2017
5,	Turbidity	NTU	1	5	IS 3025(Part-10) : 2017
6.	Taste		Agreeable	Agreeable	IS 3025(Part-7&8) : 2017
7.	Conductivity	µmhos/cm			IS 3025(Part-14) : 2019
8.	Total Dissolved Solids	mg/1	500	2000	IS 3025(Part-16) : 2017
9.	Alkalinity as CaCO ₃	mg/l	200	600	IS 3025(Part-23): 2019
10.	Total Hardness as CaCO3	mg/l	200	600	IS 3025(Part-21) : 2019
11.	Calcium as Ca	mg/1	75	200	IS 3025(Part-40): 2019
12.	Magnesium as Mg	mg/1	- 30	100	IS 3025(Part-46) : 2019
13.	Manganese as Mn	mg/1	0.1	0.3	IS 3025(Part-2): 2019
14.	Chloride as Cl	mg/1	250	1000	IS 3025(Part-32): 2019
15.	Nitrate as NO ₃	mg/l	45	No Relaxation	IS 3025(Part-34): 2019
16.	Sulphate as SO ₄	mg/1	200	400	IS 3025(Part-24): 2019
17.	Sulphide as H ₂ S	mg/1	0.05	No Relaxation	IS 3025(Part-29): 2019
18.	Fluoride as F	mg/1	<1.0	1.5	IS 3025(Part-60): 2019
19.	Free Residual Chlorine	mg/l	0.2	1	IS 3025(Part-26): 2021
20.	Ammonia as N	mg/l	0.5	No Relaxation	
21.	Anionic Detergents as MBAS	mg/l	0.2	1.0	Annexure K of IS:13428 2018
22.	Iron as Fe	mg/l	0.3	No Relaxation	
23.	Phenolic Compound	mg/1	0.001	0.002	IS 3025(Part-43): 2019
24.	Copper as Cu	mg/1	0.05	1.5	IS 3025(Part-2): 2019

25.	Aluminium as Al	mg/l	0.03	0.2	IS 3025(Part-2): 2019
26.	Barium as Ba		0.7	No Relaxation	IS 3025(Part-2): 2019
20.	Boron as B		0.5	1.0	IS 3025(Part-2): 2019
27.	Zinc as Zn		5	15	IS 3025(Part-2): 2019
20.	Mercury as Hg	 mg/l	0.001	No Relaxation	IS 3025(Part-48): 2019
<u> </u>	Cadmium as Cd	mg/1	0.003	No Relaxation	IS 3025(Part-2): 2019
	Total Arsenic as As	mg/1	0.01	0.05	IS 3025(Part-2): 2019
31.	Lead as Pb	mg/1	0.01	No Relaxation	IS 3025(Part-2): 2019
32.		mg/1 mg/1	0.02	No Relaxation	IS 3025(Part-2) : 2019
33.	Nickel as Ni		0.02	No Relaxation	IS 3025(Part-2) : 2019
34.	Total Chromium as Cr	mg/l MPN/100ml		Absent	IS: 1622: 1981
35.	Total Coliform	1	Absent	Absent	IS: 1622: 1981
36.	Faecal Coliform	MPN/100ml	Absent	Absent	10.1024.1701

Conclusion

The Water & Waste Water samples taken from ground water source for drinking purpose were analyzed and observed, is well within the limit and it confirms the requirement of IS : 10500.

Surface water collected from Tidong River meets the CPCB Water Quality Criteria and best designated use. Waste Water analysis results for all Locations shows that waste water is as per CPCB discharge limit.





Sample Identification	:	A231223 01
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	17.12.2023, 09:55 AM
End Date & Time of Sampling	:	18.12.2023, 09:55 AM
Date of Receipt	:	23.12.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location	:	Near Site Office
Sample Submitted by		Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TEST	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	μg/m³	48 ,	100	IS 5182(Part-23):2017
2.	PM _{2.5}	μg/m³	28	60	IS 5182(Part-24):2019
3.	SO₂	µg/m³	07	80	IS 5182(Part-2):2017
4.	NO ₂	µg∕m³	26	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.50	02	IS 5182(Part-10):2019 NDIR spectroscopy

Manoranjan

Analyzed by:

Notes:

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Seal of Lab:

- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

****End of Report****







Sample Identification	:	A231223 02
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	18.12.2023, 10:05 AM
End Date & Time of Sampling	:	19.12.2023, 10:05 AM
Date of Receipt	:	23.12.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting		29.12.2023
Sampling Location		Near Site Office
Sample Submitted by		Mr. Deepak Kumar Jha
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	TEST	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM10	µg/m³	42	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	25	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	09	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	22	80	IS 5182(Part-6): 2017
5.	ÇO	mg/m³	0.48	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Seal of Lab

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- > The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- > This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

****End of Report****



Gaja Nand Mallick

Quality Manager:





Sample Identification	:	A231223 03
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	17.12.2023, 12:00 PM
Start Date & Time of Sampling	:	18.12.2023, 12:00 PM
Date of Receipt	:	23.12.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting		29.12.2023
Sampling Location		Near Store Room
Sample Submitted by		Mr. Deepak Kumar Jha
Environmental Condition at Lab	-	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TEST	RESULTS

S1. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	50	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	30	60	IS 5182(Part-24):2019
3.	SO₂	μg/m ³	10	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	26	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.54	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Manoranjan Analyzed by:

nmer Seabof Lab:



Notes:

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- > The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- > This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

****End of Report****





Sample Identification	:	A231223 04
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	18.12.2023, 01:05 AM
End Date & Time of Sampling	:	19.12.2023, 01:05AM
Date of Receipt	:	23.12.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location		Near Store Room
Sample Submitted by		Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TEST	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	58	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	34	60	IS 5182(Part-24):2019
3.	SO ₂	μg/m ³	14	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	28	80	IS 5182(Part-6): 2017
5.	CO.	mg/m³	0.62	02	IS 5182(Part-10):2019 NDIR spectroscopy

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****End of Report****

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Quality Manager:





Sample Identification	:	A231223 05
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	19.12.2023, 04:00 PM
Start Date & Time of Sampling	:	20.12.2023, 04:00 PM
Date of Receipt	:	23.12.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting		29.12.2023
Sampling Location		ADIT-I
Sample Submitted by		Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TEST I	RESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	μg/m³	46	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	27	60	IS 5182(Part-24):2019
3.	SO ₂	μg/m ³	08	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	24	80	IS 5182(Part-6): 2017
5.	СО	mg/m ³	0.48	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Gaja Nand Mallick

Quality Manager:





Sample Identification	:	A231223 06		
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,		
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)		
Start Date & Time of Sampling	:	20.12.2023, 04:05 PM		
End Date & Time of Sampling	:	21.12.2023, 04:05 PM		
Date of Receipt	:	23.12.2023		
Sample Description	:	Ambient Air		
Sample Condition	:	OK		
Start Date of Analysis	:	23.12.2023		
End Date of Analysis	:	29.12.2023		
Date of Reporting	:	29.12.2023		
Sampling Location	:	ADIT-I		
Sample Submitted by		Mr. Deepak Kumar Jha		
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %		
Ref. of Sampling Procedure No.		: MEL/MSP/7.3/P-01		
	TEST	RESULTS		
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Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	μg/m³	44	100	IS 5182(Part-23):2017
2.	PM _{2,5}	μg/m³	24	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	06	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m³	22	80	IS 5182(Part-6): 2017
5.	co	mg/m ³	0.42	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231223 07
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	19.12.2023, 12:00 PM
End Date & Time of Sampling	:	20.12.2023, 12:00 PM
Date of Receipt	:	23.12.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting		29.12.2023
Sampling Location	:	ADIT-II
Sample Submitted by	:	Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TEST	RESULTS

S1. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg∕m³	52	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	31	60	IS 5182(Part-24):2019
3.	SO ₂	μg/m ³	07	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	24	80	IS 5182(Part-6): 2017
5.	CO	mg/m ³	0.52	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231223 08			
N. A.I.I. Createrner		Tidong Power Generation Pvt. Ltd., Vill Ruwang,			
Name & Address of the Customer		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)			
Start Date & Time of Sampling	:	20.12.2023, 12:00 PM			
Start Date & Time of Sampling	:	21.12.2023, 12:00 PM			
Date of Receipt	:	23.12.2023			
Sample Description	:	Ambient Air			
Sample Condition	:	OK			
Start Date of Analysis	:	23.12.2023			
End Date of Analysis	:	29.12.2023			
Date of Reporting		29.12.2023			
Sampling Location		ADIT-II			
Sample Submitted by	:	Mr. Deepak Kumar Jha			
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %			
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01			
TEST RESULTS					

S1. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	48	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg∕m³	28	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	05	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	20	80	IS 5182(Part-6): 2017
5.	CO	mg/m ³	0.44	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231223 09
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	19.12.2023, 12:00 PM
End Date & Time of Sampling	:	20.12.2023, 12:00 PM
Date of Receipt	:	23.12.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting		29.12.2023
Sampling Location	:	Dam Site Near Batching Plant
Sample Submitted by		Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	TEST	RESULTS

S1. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	µg/m³	54	100	IS 5182(Part-23):2017
2.	PM _{2.5}	µg/m³	32	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	10	80	IS 5182(Part-2):2017
4.	NO ₂	µg/m³	28	80	IS 5182(Part-6): 2017
5.	CO	mg/m ³	0.56	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification	:	A231223 10
		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
Name & Address of the Customer	8 - M	P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Start Date & Time of Sampling	:	20.12.2023, 12:00 PM
Start Date & Time of Sampling	:	21.12.2023, 12:00 PM
Date of Receipt	:	23.12.2023
Sample Description	:	Ambient Air
Sample Condition	:	OK
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location	:	Dam Site Near Batching Plant
Sample Submitted by	:	Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
	TES	TRESULTS

Sl. No.	Parameter	Units of Measurements	Value	Prescribed Limits	Protocol
1.	PM ₁₀	μg/m ³	56	100	IS 5182(Part-23):2017
2.	PM _{2.5}	μg/m ³	33	60	IS 5182(Part-24):2019
3.	SO ₂	µg/m³	12	80	IS 5182(Part-2):2017
4.	NO ₂	μg/m ³	30	80	IS 5182(Part-6): 2017
5.	со	mg/m ³	0.55	02	IS 5182(Part-10):2019 NDIR spectroscopy

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Sample Identification No.		S231223 01
Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	18.12.2023
Date of Receipt	:	23.12.2023
Sample Description	:	D.G.Set-320 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting		29.12.2023
Sampling Location		Near Site Office (320 KVA)
Sample Collected By		Mr. Deepak Kumar Jha & Mr. Kaptan Singh
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	Stack De	scription
Name of the Emission Sources Monitored	:	Stack
Stack Identification/Stack Details	:	Stack attached to DG Set
Normal Operating Schedule	81.B	1 Hr.
Location of the Sampling Point	: · ·	Port hole of Stack
Dia of the Stack		80 cm
Fuel Used		HSD
Pollution Control Device		Nil
Sampling Duration		1 Hr:
Stack Temperature (°C)	000000	130ºC
Ambient Temperature (°C)	a a a a a	6ºC
Stack Velocity (m/sec.)		10.39
Quantity of Emission (Nm3/hrs.)	:	225.496 ESULTS

S1. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	56	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	26	IS 11255(Part-2): 2019	-
3.	NOx	mg/Nm ³	44	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.028	IS 13270 : 2019	≤3.5

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Sample Identification No.	:	S231223 02
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	18.12.2023
Date of Receipt	:	23.12.2023
Sample Description	:	D.G.Set-250 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location		Near Site Office (250 KVA)
Sample Collected By		Mr. Deepak Kumar Jha & Mr. Kaptan Singh
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01
St	ack De	scription
Name of the Emission Sources Monitored	:	Stack
Stack Identification/Stack Details		Stack attached to DG set
Normal Operating Schedule	:	1 Hr.
Location of the Sampling Point	. · · ·	Port hole of Stack
Dia of the Stack	:	60 cm
Fuel Used		HSD
Pollution Control Device		Nil
Sampling Duration		1 Hr.
Stack Temperature (ºC)	:	126ºC
Ambient Temperature (ºC)		6⁰C
Stack Velocity (m/sec.)	•	9.83
Quantity of Emission (Nm ³ /hrs.)		121.254
	FEST R	ESULTS

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S1. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	48	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	18	IS 11255(Part-2): 2019	-
3.	NO _x	mg/Nm ³	38	IS 11255(Part-7); 2017	≤4.0
4.	CO	%	0.022	IS 13270 : 2019	≤3.5

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Sample Identification No.	:	S231223 03
Name & Address of the Customer	-	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
	•	P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	. :	18.12.2023
Date of Receipt	:	23.12.2023
Sample Description	:	D.G.Set-125KVA
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location	:	Near Cement Store (125 KVA)
Sample Collected By	:	Mr. Deepak Kumar Jha & Mr. Kaptan Singh
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	Stack Des	scription
Name of the Emission Sources Monitored	a districtional of the second s	Stack
Stack Identification/Stack Details		Stack attached to DG Set
Normal Operating Schedule		
Location of the Sampling Point		Port hole of Stack
Dia of the Stack	:	40 cm
Fuel Used		HSD
Pollution Control Device		Nil
Sampling Duration		1Hr.
Stack Temperature (°C)		124ºC
Ambient Temperature (ºC)		6°C
Stack Velocity (m/sec.)	www.www.w	10.19
Quantity of Emission (Nm ³ /hrs.)	02000	56.11

Sl. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards
1.	PM	mg/Nm ³	52	IS 11255(Part-1): 2019	≤0.2
2.	SO ₂	mg/Nm ³	22	IS 11255(Part-2): 2019	
3.	NOx	mg/Nm ³	-44	IS 11255(Part-7): 2017	≤4.0
4.	CO	%	0.062	IS 13270 : 2019	≤3.5

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Sample Identification No.	:	S231223 04
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	20.12.2023
Date of Receipt	:	23.12.2023
Sample Description	:	D.G.Stack 500 KVA
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location		Near Dam Site Batching Plant (500 KVA)
Sample Collected By	10.00	Mr. Deepak Kumar Jha & Mr. Kaptan Singh
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	Stack Des	scription
Name of the Emission Sources Monitored		Stack
Stack Identification/Stack Details		Stack attached to D.G. Set
Normal Operating Schedule	102.003.354	1 Hr.
Location of the Sampling Point	81.8 ·	Port hole of Stack
Dia of the Stack	:	60 cm
Fuel Used		HSD
Pollution Control Device		Nil
Sampling Duration	:	1 Hr.
Stack Temperature (°C)		134ºC
Ambient Temperature (°C)		9ºC
Stack Velocity (m/sec.)	:	10.44
Quantity of Emission (Nm ³ /hrs.)	· · · ·	126.21

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Sl. No.	Parameter	Units of Measurements	Results	Protocol	Permissible Limit as per CPCB Standards		
1.	PM	mg/Nm ³	46	IS 11255(Part-1): 2019	≤0.2		
2.	SO ₂	mg/Nm ³	28	IS 11255(Part-2): 2019			
3.	NOx	mg/Nm ³	45	IS 11255(Part-7): 2017	≤4.0		
4.	CO	%	0.26	IS 13270 : 2019	≤3.5		

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Sample Identification No.	:	W231223 01
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	;	21.12.2023
Date of Receipt	:	23.12.2023
Sample Description	:	Drinking Water
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location	:	R.O. Water (Inlet) Dam Site
Sample Collected By	12	Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	T I	RESULTS

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SI. No.	Parameters	Units	Value	Acceptable Limit	Permissible Limit	Test Method
1.	pH		7,36	6.5-8.5	No Relaxation	IS 3025 (Part-11):2022
2.	Odour		Agreeable	Agreeable	Agreeable	IS 3025 (Part-5):2018
3.	Colour	Hazen Units	ं <5	5	15	IS 3025 (Part-4):2021
4.	Temperature	°C	5			IS 3025 (Part-19):2017
5.	Turbidity	NTU	1.2	1	5	IS 3025 (Part-10):2017
6.	Taste		Agreeable	Agreeable	Agreeable	IS 3025 (Part-7&8):2017
7.	Conductivity	µmhos/cm	316			IS 3025 (Part-14):2019
8.	Total Dissolved Solids	mg/1	206	500	2000	IS 3025 (Part-16):2017
9.	Alkalinity as CaCO ₃	mg/l	82	200	600	IS 3025 (Part-23):2019
10.	Total Hardness as CaCO3	mg/l	138	200	600	IS 3025 (Part-21):2019
11.	Calcium as Ca	mg/l	46.4	75	200	IS 3025 (Part-40):2019
12.	Magnesium as Mg	mg/l	5.34	30	100	IS 3025 (Part-46):2019
13.	Manganese as Mn	mg/l	<0.02	0.1	0.3	IS 3025 (Part-2):2019
14.	Chloride as Cl	mg/l	22	250	1000	IS 3025 (Part-32):2019
15.	Nitrate as NO3	mg/l	8.0	45	No Relaxation	IS 3025 (Part-34):2019
16.	Sulphate as SO ₄	mg/1	38	200	400	IS 3025 (Part-24):2019
17.	Sulphide as H ₂ S	mg/l	ND#	0.05	No Relaxation	IS 3025 (Part-29):2019
18.	Fluoride as F	mg/l	ND#	<1.0	1.5	IS 3025 (Part-60):2019
19.	Free Residual Chlorine	mg/l	ND#	0.2	1	IS 3025 (Part-26):2021
20.	Ammonia as N	mg/l	ND#	0.5	No Relaxation	IS 3025 (Part-34):2019
21.	Anionic Detergents as MBAS	mg/l	ND#	0.2	1.0	Annexure K of IS:13428, 2018
22.	Iron as Fe	mg/1	< 0.02	0.3	No Relaxation	IS 3025 (Part-2):2019
23.	Phenolic Compound	mg/l	< 0.001	0.001	0.002	IS 3025 (Part-43):2019
24.	Copper as Cu	mg/l	< 0.005	0.05	1.5	IS 3025 (Part-2):2019

Test Report No.: W231223 C -01.

25.	Aluminium as Al	mg/l	< 0.005	0.03	0.2	IS 3025 (Part-2):2019
26.	Barium as Ba	mg/l	0.036	0.7 No Relaxation		IS 3025 (Part-2):2019
27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025 (Part-2):2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025 (Part-2):2019
29.	Mercury as Hg	mg/1	< 0.0005	0.001	No Relaxation	IS 3025 (Part-48):2019
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	IS 3025 (Part-2):2019
31.	Total Arsenic as As	mg/l	< 0.005	0.01 0.05		IS 3025 (Part-2):2019
32.	Lead as Pb	mg/l	< 0.005	0.01 No Relaxation		IS 3025 (Part-2):2019
33.	Nickel as Ni	mg/l	< 0.005	0.02	No Relaxation	IS 3025 (Part-2):2019
34.	Total Chromium as Cr	mg/l	< 0.005	0.05	No Relaxation	IS 3025 (Part-2):2019
35.	Total Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981
36.	Faecal Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981

#ND- Not Detected

Frabhat Ranjan Dutta Analyzed by:

Notes:

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****End of Report****

Seal of Lab

Gaja Nand Mallick

Quality Manager:



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:	W231223 02
	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
•	P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
:	21.12.2023
:	23.12.2023
:	Drinking Water
:	Ok
:	23.12.2023
:	29.12.2023
:	29.12.2023
:	Mr. Deepak Kumar Jha
	R.O. Water (Outlet) Dam Site
	Temp. 25 ± 2 °C Humidity 50 ± 10 %
	MEL/MSP/7.3/P-01

	IEST RESULTS									
SI. No.	Parameters	Units	Value	Acceptable Limit	Permissible Limit	Test Method				
1.	pH		7.12	6.5-8.5	No Relaxation	IS 3025 (Part-11):2022				
2.	Odour		Agreeable	Agreeable	Agreeable	IS 3025 (Part-5):2018				
3.	Colour	Hazen Units	<5	5	15	IS 3025 (Part-4):2021				
4.	Temperature	°C	4			IS 3025 (Part-19):2017				
5.	Turbidity	NTU	1.0	1	5	IS 3025 (Part-10):2017				
6.	Taste	동 : 한 만 도 이 한 왕이는 아이들을 같이 하는 것이 한 것이	Agreeable	Agreeable	Agreeable	IS 3025 (Part-7&8):2017				
7.	Conductivity	µmhos/cm	175	a b o sin e sin Sin i sin		IS 3025 (Part-14):2019				
8.	Total Dissolved Solids	mg/1	114	500	2000	IS 3025 (Part-16):2017				
9.	Alkalinity as CaCO ₃	mg/1	40	200	600	IS 3025 (Part-23):2019				
10.	Total Hardness as CaCO3	mg/1	72	200	600	IS 3025 (Part-21):2019				
11.	Calcium as Ca	mg/l	44	75	200	IS 3025 (Part-40):2019				
12.	Magnesium as Mg	mg/1	28	30	100	IS 3025 (Part-46):2019				
13.	Manganese as Mn	mg/l	<0.02	0.1	0.3	IS 3025 (Part-2):2019				
14.	Chloride as Cl	mg/l	18	. 250	1000	IS 3025 (Part-32):2019				
15.	Nitrate as NO ₃	mg/l	6.2	45	No Relaxation	IS 3025 (Part-34):2019				
16.	Sulphate as SO ₄	mg/l	24	200	400	IS 3025 (Part-24):2019				
17.	Sulphide as H ₂ S	mg/1	ND#	0.05	No Relaxation	IS 3025 (Part-29):2019				
18.	Fluoride as F	mg/l	ND#	<1.0	1.5	IS 3025 (Part-60):2019				
19.	Free Residual Chlorine	mg/1	ND#	0.2	1	IS 3025 (Part-26):2021				
20.	Ammonia as N	mg/l	ND#	0.5	No Relaxation	IS 3025 (Part-34):2019				
21.	Anionic Detergents as MBAS	mg/l	ND#	0.2	1.0	Annexure K of IS:13428, 2018				
22.	Iron as Fe	mg/l	<0.02	0.3	No Relaxation	IS 3025 (Part-2):2019				
23.	Phenolic Compound	mg/l	<0.001	0.001	0.002	IS 3025 (Part-43):2019				
24.	Copper as Cu	mg/1	< 0.005	0.05	1.5	IS 3025 (Part-2):2019				
25.	Aluminium as Al	mg/l	< 0.005	0.03	0.2	IS 3025 (Part-2):2019				
26.	Barium as Ba	mg/l	0.032	0.7	No Relaxation	IS 3025 (Part-2):2019				

Page - 21 - of 48

Test Report No.: W231223 C -02.

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27.	Boron as B	mg/l	<0.1	0.5	1.0	IS 3025 (Part-2):2019
28.	Zinc as Zn	mg/l	< 0.02	5	15	IS 3025 (Part-2):2019
29.	Mercury as Hg	mg/l	<0.0005	0.001	No Relaxation	IS 3025 (Part-48):2019
30.	Cadmium as Cd	mg/l	< 0.002	0.003	No Relaxation	IS 3025 (Part-2):2019
31.	Total Arsenic as As	mg/l	0.004	0.01	0.05	IS 3025 (Part-2):2019
32.	Lead as Pb	mg/1	<0.005	0.01	No Relaxation	IS 3025 (Part-2):2019
33.	Nickel as Ni	mg/l	< 0.005	0.02 No Relaxation		IS 3025 (Part-2):2019
34.	Total Chromium as Cr	mg/l	< 0.005	0.05 No Relaxation		IS 3025 (Part-2):2019
35.	Total Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981
36.	Faecal Coliform	MPN/100ml	<2	Shall not be detectable in any 100 ml sample		IS 1622:1981

#ND-Not Detected

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Seal of Lab





Sample Identification No.	:	W231223 03
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	21.12.2023
Date of Receipt	:	23.12.2023
Sample Description	:	Surface Water (Tidong River)
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location	:	Tidong River Upstream Near Dam Site
Sample Collected By	:	Mr. Deepak Kumar Jha
Environmental Condition at Lab	heriosi kia	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	TEST F	RESULTS

SI. No.	Parameters	-Units	Value	Designated Class D	Test Method
1.	pH	internet in the second s	7.64	6.5-8.5	IS 3025(Part-11):2022
2.	Odour	- 1. 1	Agreeable		IS 3025(Part-5):2018
3.	Colour	Hazen Units	<5		IS 3025(Part-4):2021
4.	Temperature	°C	2		IS 3025(Part-19):2017
5.	Turbidity	NTU	1.2		IS 3025(Part-10):2017
6.	Taste		Agreeable		IS 3025(Part-7&8):2017
7.	Conductivity	µmhos/cm	360		IS 3025(Part-14):2019
8.	Total Dissolved Solids	mg/1	234		IS 3025(Part-16):2017
9.	Alkalinity as CaCO ₃	mg/1	76		IS 3025(Part-23):2019
10.	Total Hardness as CaCO ₃	mg/l	162		IS 3025(Part-21):2019
11.	Calcium as as CaCO ₃	mg/l	112		IS 3025(Part-40):2019
12.	Magnesium as CaCO3	mg/1	50		IS 3025(Part-46):2019
13.	Manganese as Mn	mg/l	<0.01		IS 3025(Part-2):2019
14.	Chloride as Cl	mg/l	52		IS 3025(Part-32):2019
15,	Nitrate as NO ₃	mg/1	6.2		IS 3025(Part-34):2019
16.	Sulphate as SO ₄	mg/l	42		IS 3025(Part-24):2019
17.	Sulphide as H ₂ S	mg/1	ND#		IS 3025(Part-29):2019
18.	Fluoride as F	mg/l	ND#		IS 3025(Part-60):2019
19.	Total Ammonia as N	mg/l	ND#		IS 3025(Part-34):2019
20.	Anionic Detergents as MBAS	mg/l	ND#		Annexure K of IS:13428,2018
21.	Iron as Fe	mg/l	< 0.02		IS 3025(Part-2):2019
22.	Phenolic Compound	mg/l	ND#		IS 3025(Part-43):2019
23.	Copper as Cu	mg/l	<0.005		IS 3025(Part-2):2019
24.	Aluminium as Al	mg/l	0.006		IS 3025(Part-2):2019
25.	Boron as B	mg/l	<0.1		IS 3025(Part-2):2019
26.	Barium as Ba	mg/l	0.028		IS 3025(Part-2):2019
27.	Zinc as Zn	mg/l	<0.02		IS 3025(Part-2):2019

Test Report No.: W231223 C -03.

28.	Cadmium as Cd	mg/l	<0.002		IS 3025(Part-2):2019
29.	Total Arsenic as As	mg/l	<0.005		IS 3025(Part-2):2019
30.	Lead as Pb	mg/l	<0.005		IS 3025(Part-2):2019
31.	Nickel as Ni	mg/l	<0.005		IS 3025(Part-2):2019
32.	Total Chromium as Cr	mg/l	<0.005		IS 3025(Part-2):2019
33.	Dissolved Oxygen	mg/l	7.2	≥4mg/l	IS 3025(Part-38):2019
34.	BOD	mg/l	5.4		IS 3025(Part-44):2019
35.	COD	mg/l	46		IS 3025(Part-58):2017
36.	Total Coliform	MPN/100ml	940	·	IS 1622:1981
37.	Faecal Coliform	MPN/100ml	630		IS 1622:1981

#ND- Not Detected

Designated Best Use	Class	
Drinking Water source without conventional treatment but after disinfection	Α	
Outdoor Bathing(Organized)	B	
Drinking water source after conventional treatment & disinfection	C	
Propagation of wild life & Fisheries	D	1
Irrigation, Industrial cooling, Controlled Waste Disposal	Ε	
	Below E	

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Sample Identification No.	:	W231223 04
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	21.12,2023
Date of Receipt	:	23.12.2023
Sample Description	:	Surface Water (Tidong River)
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location	:	Tidong River Down Stream Near Power House
Sample Collected By		Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01
	0.00069965	ESULTS

	IEST RESULTS							
SI. No.	Parameters	Units	Value	Acceptable Limit	Test Method			
1.	pH		7.46	6.5-8.5	IS 3025(Part-11):2022			
2.	Odour		Agreeable		IS 3025(Part-5):2018			
3.	Colour	Hazen Units	<5		IS 3025(Part-4):2021			
4.	Temperature	°C	3		IS 3025(Part-19):2017			
5.	Turbidity	NTU	1.8		IS 3025(Part-10):2017			
6.	Taste		Agreeable		IS 3025(Part-7&8):2017			
7.	Conductivity	µmhos/cm	336		IS 3025(Part-14):2019			
8.	Total Dissolved Solids	mg/l	219		IS 3025(Part-16):2017			
9.	Alkalinity as CaCO ₃	mg/l	86		IS 3025(Part-23):2019			
10.	Total Hardness as CaCO ₃	mg/1	136		IS 3025(Part-21):2019			
11.	Calcium as CaCO3	mg/l	94		IS 3025(Part-40):2019			
12.	Magnesium as CaCO ₃	mg/l	42		IS 3025(Part-46):2019			
13.	Manganese as Mn	mg/1	<0.02		IS 3025(Part-2):2019			
14.	Chloride as Cl	mg/1	44		IS 3025(Part-32):2019			
15.	Nitrate as NO ₃	mg/l	4.6		IS 3025(Part-34):2019			
16.	Sulphate as SO ₄	mg/l	34		IS 3025(Part-24):2019			
17,	Sulphide as H ₂ S	mg/l	ND#		IS 3025(Part-29):2019			
18.	Fluoride as F	mg/1	ND#		IS 3025(Part-60):2019			
19.	Total Ammonia as N	mg/1	ND#	<u>مد ده و</u>	IS 3025(Part-34):2019			
20.	Anionic Detergents as MBAS	mg/l	ND#		Annexure K of IS:13428,2018			
21.	Iron as Fe	mg/l	0.076		IS 3025(Part-2):2019			
22.	Phenolic Compound	mg/l	ND#		IS 3025(Part-43):2019			
23.	Copper as Cu	mg/l	<0.005		IS 3025(Part-2):2019			
24.	Aluminium as Al	mg/1	0.14		IS 3025(Part-2):2019			
25.	Boron as B	mg/l	<0.1		IS 3025(Part-2):2019			
26.	Barium as Ba	mg/l	0.038		IS 3025(Part-2):2019			

Test Report No.: W231223 C -04.

Zinc as Zn	mg/l	< 0.02		IS 3025(Part-2):2019
Cadmium as Cd	mg/l	< 0.002		IS 3025(Part-2):2019
Total Arsenic as As	mg/l	< 0.005		IS 3025(Part-2):2019
Lead as Pb	mg/l	< 0.005		IS 3025(Part-2):2019
Nickel as Ni	mg/l	< 0.005		IS 3025(Part-2):2019
Total Chromium as Cr	mg/l	<0.005		IS 3025(Part-2):2019
Dissolved Oxygen	mg/l	6.6	≥4mg/l	IS 3025(Part-38):2019
BOD	mg/l	7.2		IS 3025(Part-44):2019
COD	mg/l	60		IS 3025(Part-58):2017
Total Coliform	MPN/100ml	1090		IS 1622:1981
Faecal Coliform	MPN/100ml	700		IS 1622:1981
	Cadmium as Cd Total Arsenic as As Lead as Pb Nickel as Ni Total Chromium as Cr Dissolved Oxygen BOD COD Total Coliform	Cadmium as Cdmg/lTotal Arsenic as Asmg/lLead as Pbmg/lNickel as Nimg/lTotal Chromium as Crmg/lDissolved Oxygenmg/lBODmg/lCODmg/lTotal ColiformMPN/100ml	Cadmium as Cd mg/l <0.002 Total Arsenic as As mg/l <0.005	Cadmium as Cdmg/l<0.002Total Arsenic as Asmg/l<0.005

#ND- Not Detected

Designated Best Use	Class	
Drinking Water source without conventional treatment but after disinfection	A	
Outdoor Bathing(Organized)	B	
Drinking water source after conventional treatment & disinfection	C	
Propagation of wild life & Fisheries	D	\checkmark
Irrigation, Industrial cooling, Controlled Waste Disposal	E	à:
	Below E	

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Page - 26 - of 48

Gaja Nand Mallick

Quality Manager:

Test Report No.: W231223 C -05.



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Sample Identification No.	:	W231223 05
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	21.12.2023
Date of Receipt	:	23.12.2023
Sample Descripton	:	Waste Water
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location	:	STP Untreated Water Near Dam Site
Sample Collected By	:	Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	1	MEL/MSP/7.3/P-01
Ker. of Sampring Procedure 140.	1010 NO.	CRESULTS

Sl. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	pH		6.84		IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/1	480		IS 3025(Part-17):2021
3.	COD	mg/l	762		IS 3025(Part-58):2017
4.	BOD	mg/1	82		IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	278		IS 3025(Part-39) : 2021

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Quality Manager:





Sample Identification No.	:	W231223 06
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	21.12.2023
Date of Receipt	:	23.12.2023
Sample Description	:	Waste Water
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location	:	STP Treated Water Near Dam Site
Sample Collected By		Mr. Deepak Kumar Jha
Environmental Condition at Lab	J. L. D. E. C.	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01

Sl. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	pH		6.94	5.5-9.0	IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/1	82	100	IS 3025(Part-17):2021
3.	COD	mg/l	126	250	IS 3025(Part-58):2017
4.	BOD	mg/l	18	30	IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	14	20	IS 3025(Part-39) : 2021

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Sample Identification No.	:	W231223 07
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	21.12.2023
Date of Receipt	:	23.12.2023
Sample Description	:	Waste Water
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting		29.12.2023
Sampling Location		STP Untreated Water Near Power House
Sample Collected By	:	Mr. Deepak Kumar Jha
Environmental Condition at Lab	:	Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.	:	MEL/MSP/7.3/P-01

SI. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	рН		6.86		IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/l	318		IS 3025(Part-17):2021
3.	COD	mg/l	530		IS 3025(Part-58):2017
4.	BOD	mg/1	78		IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	174		IS 3025(Part-39) : 2021

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Gaja Nand Mallick

Quality Manager:





Sample Identification No.	:	W231223 08
Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Sampling	:	21.12.2023
Date of Receipt	:	23.12.2023
Sample Description	:	Waste Water
Sample Condition	:	Ok
Start Date of Analysis	:	23.12.2023
End Date of Analysis	:	29.12.2023
Date of Reporting	:	29.12.2023
Sampling Location	:	STP Treated Water Near Power House
Sample Collected By		Mr. Deepak Kumar Jha
Environmental Condition at Lab		Temp. 25 ± 2 °C Humidity 50 ± 10 %
Ref. of Sampling Procedure No.		MEL/MSP/7.3/P-01

S1. No.	Parameters	Units	Value	Tolerance Limits	Test Method
1.	pH		7.08	5.5-9.0	IS 3025(Part-11):2022
2.	Total Suspended Solids	mg/l	62	100	IS 3025(Part-17):2021
3.	COD	mg/1	124	250	IS 3025(Part-58):2017
4.	BOD	mg/l	20	30	IS 3025(Part-44):2019
5.	Oil & Grease	mg/l	16	20	IS 3025(Part-39) : 2021

Prabhat Ranjan Dutta Analyzed by:

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n Pvt. Ltd., Vill Ruwang, innaur, (Himachal Pradesh)
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Monitoring Report

S1. No.	1	,	loise Level dB(A)		Category of Area
	Ld	Ln	Lmin	Lmax	Leq	
1.	52.40	39.70	39.70	59.60	51.73	Industrial Area

Standards of Noise Level

		As Per CPCB Guidelines	
Sl. No.	Category of Area	Day dB (A)	Night dB (A)
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

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Analyzed by:



Gaja Nand Mallick Quality Manager:





Location		Near Site O	office	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	53.20	55.78	59.30
F	07:00AM-08:00AM	53.20	56.27	58.80
F	08:00AM-09:00AM	53.20	56.60	59.60
	09:00AM-10:00AM	52.30	55.78	58.58
-	10:00AM-11:00AM	52.30	55.14	58.80
F	11:00AM-12:00PM	52.40	57.28	58.80
-	12:00PM-01:00PM	52.40	56.93	58.80
	01:00PM-02:00PM	52.30	54.50	58.80
ľ	02:00PM-03:00PM	52.30	57.36	58.30
11	03:00PM-04:00PM	52.40	55.37	58.60
	04:00PM-05:00PM	52.40	57.62	58.80
	05:00PM-06:00PM	53.40	57.73	58.90
18.12.2023	06:00PM-07:00PM	52.30	57.47	58.80
	07:00PM-08:00PM	52.70	57.05	58.60
	08:00PM-09:00PM	52.30	55.15	58.30
	09:00PM-10:00PM	52.60	56.04	58.60
	10:00PM-11:00PM	39.70	43.87	45.70
	11:00PM-12:00AM	39.70	41.97	45.20
	12:00AM-01:00AM	39.90	42.70	47.00
	01:00AM-02:00AM	40.60	42.73	44.50
	02:00AM-03:00AM	39.70	42.31	44.60
	03:00AM-04:00AM	39.70	43.37	46.80
	04:00AM-05:00AM	39.70	40.67	42.60
	05:00AM-06:00AM	39.70	41.89	45.80
	Average	39.70	51.73	59.60

Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:

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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	19.12.2023
Date of Reporting	:	29.12.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Near Store Room
Monitored by	:	Mr. Deepak Kumar Jha
Test Method	:	IS 9989 : 2020

Monitoring Report

Sl. No.			Noise Level o	lB(A)		Category of Area
	Ld	Ln	Lmin	Lmax	Leq	
1.	52.02	43.00	42.40	56.90	51.47	Industrial Area

Standards of Noise Level

	As Per CPCB Guidelines						
Sl. No.	Category of Area	Day dB (A)	Night dB (A)				
1.	Industrial Area	75	70				
2.	Commercial Area	65	55				
3.	Residential Area	55	45				
4.	Silence Zone	50	40				
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Manoranjan Analyzed by:









Location		Near Store I	Room	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	52.40	57.62	58.80
	07:00AM-08:00AM	53.40	57.73	58.90
	08:00AM-09:00AM	52.30	57.47	58.80
	09:00AM-10:00AM	52.70	57.05	58.60
	10:00AM-11:00AM	52.30	55.15	58.30
	11:00AM-12:00PM	52.60	56.04	58.60
a,	12:00PM-01:00PM	51.80	54.28	56.40
	01:00PM-02:00PM	52.10	53.47	56.10
	02:00PM-03:00PM	51.60	54.93	57.60
	03:00PM-04:00PM	52.00	53.26	54.60
	04:00PM-05:00PM	51.60	57.14	58.40
10 10 0000	05:00PM-06:00PM	52.80	54.84	56.50
19.12.2023	06:00PM-07:00PM	51.60	54.30	56.40
	07:00PM-08:00PM	52.20	54.23	56.20
	08:00PM-09:00PM	50.60	53.58	55.40
	09:00PM-10:00PM	51.60	53.44	54.60
	10:00PM-11:00PM	42.80	43.62	45.30
in the second	11:00PM-12:00AM	43.00	45.16	49.00
	12:00AM-01:00AM	42.80	43.90	45.60
	01:00AM-02:00AM	42.40	43.46	44.20
·	02:00AM-03:00AM	43.20	43.93	45.60
0	03:00AM-04:00AM	43.00	43.58	44.60
	04:00AM-05:00AM	42.40	43.39	44.20
	05:00AM-06:00AM	42.80	43.80	44.80
	Average	42.40	51.47	58.90

Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	20.12.2023
Date of Reporting	:	29.12.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	ADIT-I
Monitored by	:	Mr. Deepak Kumar Jha
Test Method		IS 9989 : 2020

Monitoring Report

S1. No.			Noise Level dB(A)			Category of Area
	Ld	Ln	Lmin	Lmax	Leq	
1.	54.82	40.10	36.20	56.90	48.21	Industrial Area

Standards of Noise Level

S1. No.	Category of Area	Day dB (A)	Night dB (A)
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

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Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:





Location		ADIT-]	[
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	43.80	45.17	46.30
	07:00AM-08:00AM	44.00	46.05	48.60
	08:00AM-09:00AM	46.30	51.46	54.50
	09:00AM-10:00AM	46.60	49.78	51.40
	10:00AM-11:00AM	47.20	49.88	51.90
	11:00AM-12:00PM	53.10	54.60	56.30
	12:00PM-01:00PM	53.60	54.90	56.30
	01:00PM-02:00PM	54.10	54.99	55.90
	02:00PM-03:00PM	54.10	55.42	56.70
	03:00PM-04:00PM	54.80	55.82	56.90
	04:00PM-05:00PM	50.20	52.78	56.40
	05:00PM-06:00PM	50.10	52.73	56.30
20.12.2023	06:00PM-07:00PM	46.60	49.80	52.80
	07:00PM-08:00PM	47.30	50.57	52.70
	08:00PM-09:00PM	46.60	50.68	52.80
	09:00PM-10:00PM	47.90	51.19	52.80
	10:00PM-11:00PM	37.90	42.83	48.60
	11:00PM-12:00AM	38.70	41.19	43.90
	12:00AM-01:00AM	36.50	40.24	43.50
	01:00AM-02:00AM	36.80	42.42	45.30
*	02:00AM-03:00AM	38.40	40.47	42.50
	03:00AM-04:00AM	40.10	41.99	43.80
	04:00AM-05:00AM	36.20	40.54	43.20
	05:00AM-06:00AM	39.50	41.49	43.80
	Average	36.20	48.21	56.90

Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:

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:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
	P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
	21.12.2023
:	29.12.2023
:	Noise Monitoring
:	ADIT-II
:	Mr. Deepak Kumar Jha
:	IS 9989 : 2020
	· · · · · · · · · · · · · · · · · · ·

Monitoring Report

S1. No.	· ·	1	Noise Level dB	Category of Area		
	Ld	Ln 📕	Lmin	Lmax	Leq	
1.	53.08	38.79	37.30	58.20	47.53	Industrial Area

Standards of Noise Level

As Per CPCB Guidelines							
Sl. No.	Category of Area	Day dB (A)	Night dB (A)				
1.	Industrial Area	75	70				
2.	Commercial Area	65	55				
3.	Residential Area	55	45				
4.	Silence Zone	<mark>50</mark>	40				

Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:





Location		ADIT-I	I	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	43.10	49.93	47.20
	07:00AM-08:00AM	44.50	44.98	48.70
	08:00AM-09:00AM	45.80	47.07	49.80
	09:00AM-10:00AM	47.20	47.90	51.90
-	10:00AM-11:00AM	48.60	50.70	52.20
	11:00AM-12:00PM	49.20	51.60	53.90
	12:00PM-01:00PM	50.40	52.56	54.40
	01:00PM-02:00PM	51.90	54.10	56.30
-	02:00PM-03:00PM	53.80	56.07	58.20
\$	03:00PM-04:00PM	52.80	54.39	55.40
	04:00PM-05:00PM	50.90	52.75	54.20
	05:00PM-06:00PM	48.30	51.45	53.60
21.12.2023	06:00PM-07:00PM	47.20	49.68	51.40
	07:00PM-08:00PM	45.60	48.15	50.60
	08:00PM-09:00PM	43.50	46.98	49.60
	09:00PM-10:00PM	43.10	46.31	48.60
	10:00PM-11:00PM	42.10	45.88	49.80
	11:00PM-12:00AM	40.50	42.97	45.90
	12:00AM-01:00AM	39.70	41.31	42.50
	01:00AM-02:00AM	37.30	38.93	40.50
1	02:00AM-03:00AM	37.50	38.77	40.40
	03:00AM-04:00AM	38.70	40.91	42.80
	04:00AM-05:00AM	40.60	42.73	44.50
	05:00AM-06:00AM	42.80	44.55	46.20
· · · ·	Average	37.30	47.53	58.20

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Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:





Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang, P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	22.12.2023
Date of Reporting	:	29.12.2023
Sample Description	:	Noise Monitoring
Sampling Location	:	Dam Site Near Batching Plant
Monitored by	:	Mr. Deepak Kumar Jha
Test Method	:	IS 9989 : 2020

Monitoring Report

Sl. No.			Category of Area			
	Ld	Ln	Lmin	Lmax	Leq	
1.	53.20	41.42	41.20	58.60	51.48	Industrial Area

Standards of Noise Level

As Per CPCB Guidelines							
SI. No.	Category of Area	Day dB (A)	Night dB (A)				
1.	Industrial Area	75	70				
2.	Commercial Area	65	55				
3.	Residential Area	55	45				
4.	Silence Zone	50	40				

Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:

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Location	D	am Site Near Bat	ching Plant	
Date	Day/ Hours	Lmin	Leq	Lmax
	06:00AM-07:00AM	53.20	54.93	56.20
	07:00AM-08:00AM	53.20	55.05	56.32
	08:00AM-09:00AM	53.80	54.72	55.30
	09:00AM-10:00AM	53.60	54.45	55.80
	10:00AM-11:00AM	53.20	54.30	54.80
	11:00AM-12:00PM	53.40	54.59	55.40
	12:00PM-01:00PM	53.80	56.10	58.60
	01:00PM-02:00PM	53.40	54.73	56.40
8	02:00PM-03:00PM	53.80	55.04	56.80
	03:00PM-04:00PM	53.20	55.25	57.20
	04:00PM-05:00PM	53.50	54.89	56.40
	05:00PM-06:00PM	53.80	54.65	55.40
22.12.2023	06:00PM-07:00PM	53.50	54.41	54.90
	07:00PM-08:00PM	54.10	54.71	56.40
	08:00PM-09:00PM	53.60	55.15	56.00
	09:00PM-10:00PM	53.50	56.03	58,60
	10:00PM-11:00PM	44.20	47.63	49.20
	11:00PM-12:00AM	44.20	46.06	47.60
	12:00AM-01:00AM	42.40	43.46	44.50
	01:00AM-02:00AM	41.40	42.75	43.80
	02:00AM-03:00AM	41.20	43.24	44.80
	03:00AM-04:00AM	41.40	43.21	44.60
	04:00AM-05:00AM	41.20	44.15	45.70
	05:00AM-06:00AM	43.60	46.04	47.80
	Average	41.20	51.48	58.60

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Name & Address of the Customer	:	Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	18.12.2023
Date of Reporting	:	23.12.2023
Sample Description	:	Source Noise Monitoring
Capacity of D.G. (KVA)	:	320 KVA
Sampling Location	:	Near Site Office (320 KVA)
Monitored by	:	Mr. Deepak Kumar Jha
Test Method	:	IS 4758 : 2017
	Mon	itoring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	Leq	CPCB Guidelines & Indian Standard:9989	91.63	64.39	23,40
2.	L _{min}	CPCB Guidelines & Indian Standard:9989	75.30	48.50	
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	94.20	70.80	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

Manoranjan Analyzed by:



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Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)
Date of Monitoring	:	18.12.2023
Date of Reporting	:	29.12.2023
Sample Description	:	Source Noise Monitoring
Capacity of D.G. (KVA)	:	250 KVA
Sampling Location	:	Near Site Office(250 KVA)
Monitored by	:	Mr. Deepak Kumar Jha
Test Method	:	IS 4758 : 2017
	Mon	itoring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	L _{eq}	CPCB Guidelines & Indian Standard:9989	88.41	63.88	23.80
2.	Lmin	CPCB Guidelines & Indian Standard:9989	61.60	45.80	-
3.	L _{max}	CPCB Guidelines & Indian Standard:9989	94.60	70.80	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

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Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:

Page - 42 - of 48





Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,	
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh)	
Date of Monitoring	:	18.12.2023	
Date of Reporting	:	29.12.2023	
Sample Description	:	Source Noise Monitoring	
Capacity of D.G. (KVA)	:	125 KVA	
Sampling Location	:	Near Cement Store (125 KVA)	
Monitored by	:	Mr. Deepak Kumar Jha	
Test Method	:	IS 4758 : 2017	
	Mor	iitoring Report	

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	Leq	CPCB Guidelines & Indian Standard:9989	87.46	65.58	23.70
2.	Lmin	CPCB Guidelines & Indian Standard:9989	68.50	44.60	
3.	Lmax	CPCB Guidelines & Indian Standard:9989	94.20	70.50	2000
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

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Manoranjan Analyzed by:



Gaja Nand Mallick Quality Manager:

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Name & Address of the Customer		Tidong Power Generation Pvt. Ltd., Vill Ruwang,
		P.O Moorang, Distt Kinnaur, (Himachal Pradesh
Date of Monitoring	:	20.12.2023
Date of Reporting	:	29.12.2023
Sample Description	:	Source Noise Monitoring
Capacity of D.G. (KVA)	:	500 KVA
Sampling Location	:	Near Dam Site Batching Plant (500 KVA)
Monitored by	:	Mr. Deepak Kumar Jha
Test Method		IS 4758 : 2017
	Moni	toring Report

S. No.	Parameters	Protocol	Open the Canopy of D.G Set Result dB(A)	Close the Canopy of D.G Set (0.5 mtr Distance) Result dB(A)	Insertion Loss
1.	Leq	CPCB Guidelines & Indian Standard:9989	87.39	65.88	23.00
2.	Lmin	CPCB Guidelines & Indian Standard:9989	70.50	46.50	
3.	Lmax	CPCB Guidelines & Indian Standard:9989	94.20	71.20	
4.	CPCB Limit in Leq dB(A)	As per CPCB Noise limit For D.G. Set Upto 1000 KVA		75.00	25.00

Manoranjan Analyzed by:



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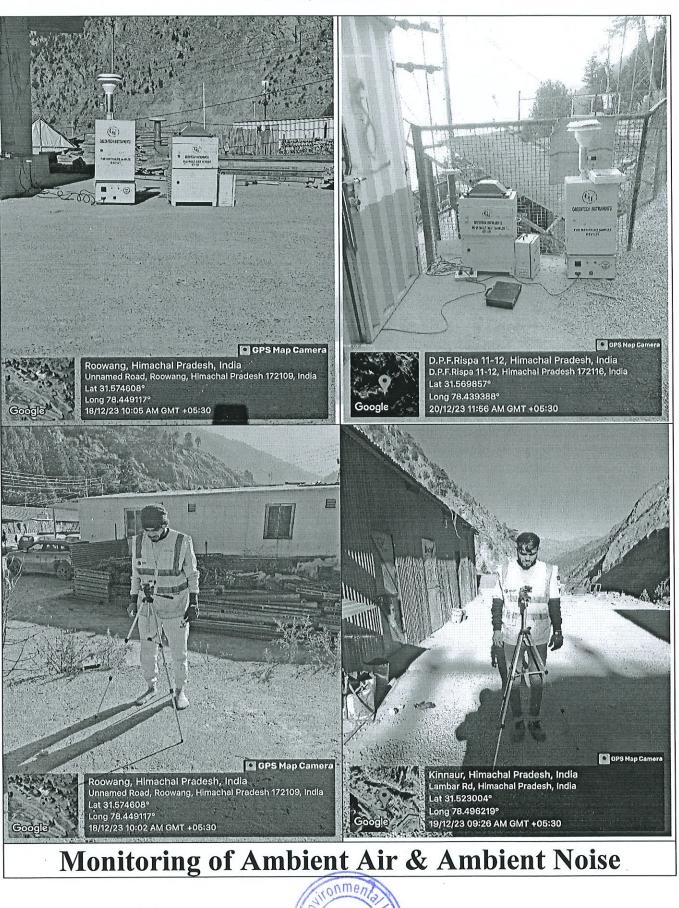


Traffic Survey

Location	Check Post, Village - Ruwang, Distt Kinnaur, Himachal Pradesh					
Date	21.12.2023 to 22.12.2023 Type of Vehicles					
Time (Hrs)	Project LCV	Other LCV	Other Trucks/Bus	Project Trucks	2-Wheelers	
06:00-07:00	00		00	00	00	
07:00-08:00	00	00	00	00	00	
08:00-09:00	00	00	00	00	00	
09:00-10:00	00	01	00	01	00	
10:00-11:00		00	00	01	00	
11:00-12:00	02	02	00	00	00	
12:00-13:00	01	00	00	01	00	
13:00-14:00	03	02	00	02	00	
14:00-15:00	01	02	00	01	00	
15:00-16:00	02	01	00	00	00	
16:00-17:00	02	01	00	01	01	
17:00-18:00	01	02	00	02	00	
18:00-19:00	01	01	00	00	00	
19:00-20:00	02	02	00	01		
20:00-21:00	01	00	, 00	00	00	
21:00-22:00	01	00	00	. 02	00	
22:00-23:00	00	01	00	00	00	
23:00-24:00	00	00	00	01	00	
24:00-01:00	00	00	00	00	00	
01:00-02:00	00	00	00	00	00	
02:00-03:00	00	00	00	00	00	
03:00-04:00	00	00	00	00	00	
04:00-05:00	00	00	00	00	00	
05:00-06:00	00	00	00	00	00	
Total	18	15	00	13	01	



Environmental Monitoring Photographs of TPGPL Project, Kinnaur, H.P.



NOIDA

