	TEST	REPORT			
Test Report No: -	GESEC/AAQM/2022-23/05/	GESEC/AAQM/2022-23/05/			<b></b>
Sample ID: -	GESEC/AAQM/2022-23/05/	GESEC/AAQM/2022-23/05/		26.05.20	
Name & Address of the Customer	M/s. Metaforge Engineering I Dindori Road, Mhasrul,Nashik				
	Ambient Air S	ample Details			
Туре	Sampling Locat	ion	Sar	npling done by	<u> </u>
Ambient Air	Near Main Gat	e	Green Envirosa		
	Sampli	ng Time			
Start Time	Sto	p Time		Tota	l Hrs.
09.45 am	09	.45 am		24	Hrs.
	Metrological Data/Env	rironmental Condit	ions	•	
Ambient Temperature oc	34	Wet Bulb Ten	nperature <sup>oC</sup>	30	
Dry Bulb Temperature oc	34	Relative Hur	nidity % RH	54	
Date of Sampling	Sample Receipt Date	Analysis S	tart Date	Analysis	End Date
19.05.2022 To 20.05.2022	21.05.2022	21.05.	2022	26.05.2022	
Name of Instrument	Fine Dust Sampler	Date of Ca	llibration	06/09	/2021
Calibration Certificate No.	235	Due Date of	Calibration	05/09	/2022
Parameters	Method		Unit	NAAQ Standards	Result
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2)	:2017	μg/m³	≤ 80	22.6
Nitrogen Dioxide (NO <sub>2</sub> )	IS:5182 (PART 6)	IS:5182 (PART 6):2018		≤ 80	25.9
Particulate Matter PM <sub>10</sub>	IS:5182 (PART 4):2019		μg/m³	≤ 100	56.1
Particulate Matter PM <sub>2.5</sub>	IS:5182 (PART 24	):2019	μg/m³	≤ 60	35.4
Ozone(O <sub>3</sub> ) For 1 Hrs.	Method 411, Air Sampling and Analysis 3 <sup>rd</sup> Edition ,2013		μg/m³	≤ 180	10.7
Ammonia (NH <sub>3</sub> ) For 24 Hrs.	Method 401, Air Sampling Edition ,201		μg/m³	≤400	3.3

- > All above results are within National Ambient Air Quality standards.
- BDL-Below Detectable Limit.

Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By

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	TEST	REPORT			
Test Report No: -	GESEC/AAQM/2022-23/05/		Report Date	26.05.20	22
Sample ID: -	GESEC/AAQM/2022-23/05/	GESEC/AAQM/2022-23/05/		26.05.20	JZZ
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul,Nash				
	Ambient Air S	ample Details			
Туре	Sampling Locat	•	Sar	npling done by	<u> </u>
Ambient Air	Near Main Ga	te	Green Envirosa		
	Samplir	ng Time			
Start Time	St	op Time		Tota	l Hrs.
09.45 am	09	9.45 am		24 Hrs.	
	Metrological Data/Env	ironmental Condit	ions		
Ambient Temperature oc	34	Wet Bulb Ter	nperature <sup>oC</sup>	30	
Dry Bulb Temperature oc	34	Relative Hur	nidity % RH	54	
Date of Sampling	Sample Receipt Date	Analysis S	tart Date	te Analysis End Date	
19.05.2022 To 20.05.2022	21.05.2022	21.05.	2022	26.05.2022	
	5: 5 : 6 :			05/00	/2.224
Name of Instrument Calibration Certificate No.	Fine Dust Sampler 235	Date of Ca		06/09 05/09	
Cambration Certificate No.	255	Due Date of	Calibration	05/09	/2022
Parameters	Method		Unit	NAAQ Standards	Result
Carbon Monoxide (CO)	MASA-822 3rd Ed	dition	μg/M³	≤ 04	BDL
Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182 (Part 11) :2006	IS 5182 (Part 11) :2006 (RA 2017)		≤ 05	BDL
Benzo(a)Pyrene (BaP)	CPCB Manual Vol	CPCB Manual Vol 1 2011		≤ 01	BDL
Arsenic (As)	MASA-822 3rd Ed	lition	ng/M³	≤ 06	BDL
Nickel (Ni)	MASA-822 3rd Ed	lition	ng/M³	≤ 20	BDL
Lead (Pb)	MASA-822 3rd Ed	lition	μg/M³	1.00	BDL
Remark-				•	

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- BDL-Below Detectable Limit.

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\*\*\*End Of Report\*\*\*

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	TEST	REPORT			
Test Report No: -	GESEC/AAQM/2022-23/05/			26.05.202	12
Sample ID: -	GESEC/AAQM/2022-23/05/		Report Date	26.05.202	
Name & Address of the Customer	M/s. Metaforge Engineering I Dindori Road, Mhasrul,Nashik				
	Ambient Air S	ample Details			
Туре	Sampling Locati	-	Sa	mpling done by	,
				safe Engineers 8	
Ambient Air	Near ETP Area	1		Pvt. Ltd, Pune	
	Samplir	ng Time			
Start Time	Stop	Time		Total	Hrs.
09.55 am	09.	55 am		24 H	Irs.
	Metrological Data/Env	ironmental Condit	ions		
Ambient Temperature oc	34	Wet Bulb Temperature oc		30	
Dry Bulb Temperature <sup>oC</sup>	34	Relative Hum	idity % RH	54	1
		T			
Date of Sampling	Sample Receipt Date	Analysis St	art Date	Analysis E	nd Date
19.05.2022 To 20.05.2022	21.05.2022	21.05.2	2022	26.05.2022	
	T			25/42	(2.2.4
Name of Instrument	Combined Sampler	Date of Cal		25/10/	
Calibration Certificate No.	CC202221000006078F	Due Date of (	Lalibration	24/10/	2022
Parameters	Method		Unit	NAAQ Standards	Result
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	2017	μg/m³	≤ 80	21.5
Nitrogen Dioxide (NO <sub>2</sub> )	IS:5182 (PART 6):2	IS:5182 (PART 6):2018		≤ 80	26.8
Particulate Matter PM <sub>10</sub>	IS:5182 (PART 4):2019		μg/m³	≤ 100	53.1
Particulate Matter PM <sub>2.5</sub>	IS:5182 (PART 24):	2019	μg/m³	≤ 60	27.2
Ozone(O₃) For 1 Hrs.	Method 411, Air Sampling and Analysis 3 <sup>rd</sup> Edition ,2013		μg/m³	≤ 180	11.2
Ammonia (NH₃) For 24 Hrs.	Method 401, Air Sampling a Edition ,2013	nd Analysis 3 <sup>rd</sup>	μg/m³	≤400	3.0

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	TEST	REPORT			
Test Report No: -	GESEC/AAQM/2022-23/05/	GESEC/AAQM/2022-23/05/		26.05.202	12
Sample ID: -	GESEC/AAQM/2022-23/05/		Report Date	26.05.202	
Name & Address of the Customer	M/s. Metaforge Engineering I Dindori Road, Mhasrul,Nashik				
	Ambient Air S	ample Details			
Туре	Sampling Locati	ion	Sa	ampling done by	/
Ambient Air	Near ETP Area	3	Green Enviro	safe Engineers & Pvt. Ltd, Pune	k Consultant
	Samplii	ng Time		·	
Start Time	Sto	p Time		Total	Hrs.
09.55 am	09.	55 am		24 Hrs.	
	Metrological Data/Env	rironmental Condit	ions		
Ambient Temperature oc	34	Wet Bulb Tem	perature oc	30	
Dry Bulb Temperature oc	34	Relative Hum	idity % RH	54	
Date of Sampling	Sample Receipt Date	Analysis St	art Date	Analysis E	nd Date
19.05.2022 To 20.05.2022	21.05.2022	21.05.2	2022	26.05.2022	
		1		-	
Name of Instrument	Combined Sampler	Date of Ca		25/10/	
Calibration Certificate No.	CC202221000006078F	Due Date of	Calibration	24/10/	2022
Parameters	Method		Unit	NAAQ Standards	Result
Carbon Monoxide (CO)	MASA-822 3rd Ed	ition	μg/M³	≤ 04	BDL
Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182 (Part 11) :2006	(RA 2017)	μg/M³	≤ 05	BDL
Benzo(a)Pyrene (BaP)	CPCB Manual Vol 1	. 2011	ng/M³	≤ 01	BDL
Arsenic (As)	MASA-822 3rd Ed	ition	ng/M³	≤ 06	BDL
Nickel (Ni)	MASA-822 3rd Ed	ition	ng/M³	≤ 20	BDL
Lead (Pb)	MASA-822 3rd Ed	ition	μg/M³	1.00	BDL
Remark-					

- > All above results are within National Ambient Air Quality standards.
- > BDL-Below Detectable Limit.

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	TEST REPORT			
Test Report No: -	GESEC/ANLM/2022-23/05/		Report Date	26.05.2022
Sample ID: -	GESEC/ANLM/2022-23/05/		Report Date	20.03.2022
	T			
Name & Address of the Customer	M/s. Metaforge Engineerin	_		
	Dindori Road, Mhasrul,Nas	nik-422004.		
	Ambient Noise Samp	le Details		
Туре	Ambient Noise			
Sampling done by	Green Envirosafe Engineers	& Consultant Pv	rt. Ltd, Pune	
Standard method	As Per IS: 9989:2020			
		T		
Date of Sampling	Sample Receipt Date	Analysis	Start Date	Analysis End Date
20.05.2022	21.05.2022	21.0	5.2022	26.05.2022
	<u></u>	T		T
Name of Instrument	Digital Sound Level Meter		Calibration	10/10/2021
Calibration Certificate No.	ME.2021/10/21/002	Due Date o	of Calibration	09/10/2022
	<u> </u>	Ī		T
Test Location	Unit		Level Readings	CPCB Standards
		Day	Night	dB(A)
Near main Gate	dB (A)	57.4	50.3	
Near East Side	dB (A)	60.1	54.7	During Day time =
Near West Side	dB (A)	58.6	50.7	75 dB (A)
Near North Side	dB (A)	54.2	48.2	During Night time=
Near South Side	dB (A)	59.5	51.1	70dB(A)

- > All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -75/70 dB.

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	TEST	REPORT			
Test Report No: -	GESEC/WZM/2022-23/05/		26.05.202	2	
Sample ID: -	GESEC/WZM/2022-23/05/		Report Date	26.05.202	.2
Name & Address of the Customer	M/s. Metaforge Engineerin Dindori Road, Mhasrul,Nas	_			
	WORK ZONE AII	R Sample Det	tails		
Туре		g Location		Sampling	done by
Work zone Air	Forging Section (HN-14)			Green Enviros & Consultant I	afe Engineers
	Sampli	ng Time			
Start Time	Stop Time			Total Hrs.	
10.30 am	10.	45 am		15.Min	
	Metrological Data/Env				
Ambient Temperature oc	30	Wet Bulb	Temperature oc	26	
Dry Bulb Temperature <sup>oC</sup>	30	Relative	Humidity % RH	49	
Date of Sampling	Sample Receipt Date	Analys	sis Start Date	Analysis I	End Date
20.05.2022	21.05.2022	21	.05.2022	26.05.	2022
Name of Instrument Calibration Certificate No.	Personal Sampler CC202221000006075F	Date of Calibration Due Date of Calibration		25/10/2021 24/10/2022	
Parameters	Method		Unit	As per Factory Act	Result
Sulphur Dioxide(SO <sub>2</sub> )	IS:5182 (PART 2):20	)17	μg/M³	≤ 5000	10.7
Oxides of Nitrogen(NOx)	IS:5182 (PART 6):20	)18	μg/M³	≤ 6000	15.3
Suspended Particulate Matter	NIOSH 0500:2012	2	μg/M³	N.S	18.9

- All above result are well within the Factory act,1948 standards & OSHA Standard.
- N.S .Not Specified

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	TEST I	REPORT			
Test Report No: -	GESEC/WZM/2022-23/05/		26.05.2022		
Sample ID: -	GESEC/WZM/2022-23/05/		Report Date	26.05.202	.2
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul, Nasi	_			
	WORK ZONE AIF	R Sample Det	tails		
Туре	Samplin	g Location		Sampling	done by
Work zone Air	Н.Т	.Plant		Green Enviros & Consultant I	
	Samplii	ng Time		•	
Start Time	Stop	Time		Total Hrs.	
11.00 am	11.3	15 Am		15.Min	
	Metrological Data/Env	rironmental (	Conditions		
Ambient Temperature oc	30	Wet Bulb	Temperature oc	26	
Dry Bulb Temperature oc	30	Relative	Humidity % RH	49	
Date of Sampling	Sample Receipt Date	Δnalv	sis Start Date	Analysis I	nd Date
20.05.2022	21.05.2022		1.05.2022	Analysis End Date 26.05.2022	
Name of Instrument	Personal Sampler	Date o	of Calibration	25/10/	/2021
Calibration Certificate No.	CC202221000006075F	Due Dat	e of Calibration	24/10/	/2022
Parameters	Method		Unit	As per Factory Act	Result
Sulphur Dioxide(SO <sub>2</sub> )	IS:5182 (PART 2):20	17	μg/M³	≤ 5000	13.8
Oxides of Nitrogen(NOx)	IS:5182 (PART 6):20	18	μg/M³	≤ 6000	16.3
Suspended Particulate Matter	NIOSH 0500:2012	2	μg/M³	N.S	17.1

- ➤ All above result are well within the Factory act,1948 standards & OSHA Standard.
- N.S .Not Specified

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	TEST I	REPORT					
Test Report No: -	GESEC/WZM/2022-23/05/		36.05.303	2			
Sample ID: -	GESEC/WZM/2022-23/05/		Report Date	26.05.202	.2		
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul,Nasl	_					
	WORK ZONE AIR	R Sample Det	tails				
Туре	Samplin	g Location		Sampling	done by		
Work zone Air	Platir	ng Plant		Green Enviros & Consultant I			
	Samplin	ng Time					
Start Time	Stop Time			Total Hrs.			
11.30 am	11.4	15 Am		15.Min			
	Metrological Data/Environmental Conditions						
Ambient Temperature oc	30	Wet Bulb	Temperature oc	26			
Dry Bulb Temperature oc	30	Relative	Humidity % RH	49			
Date of Sampling	Sample Receipt Date	Analy	sis Start Date	Analysis I	End Date		
20.05.2022	21.05.2022	21	05.2022	26.05.	2022		
Name of Instrument Calibration Certificate No.	Personal Sampler CC202221000006075F		of Calibration e of Calibration	25/10/ 24/10/			
Campiation Certificate No.	CC202221000000075F	Due Dat	e or Cambration	24/10/	2022		
Parameters	Method		Unit	As per Factory Act	Result		
Sulphur Dioxide(SO <sub>2</sub> )	IS:5182 (PART 2):20	17	μg/M³	≤ 5000	14.3		
Oxides of Nitrogen(NOx)	IS:5182 (PART 6):20	18	μg/M³	≤ 6000	19.6		
Suspended Particulate Matter	NIOSH 0500:2012	<u> </u>	μg/M³	N.S	20.1		

- All above result are well within the Factory act,1948 standards & OSHA Standard.
- N.S .Not Specified

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	TEST I	REPORT					
Test Report No: -	GESEC/WZM/2022-23/05/		26.05.2022				
Sample ID: -	GESEC/WZM/2022-23/05/		Report Date	26.05.202			
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul,Nasl	_					
	WORK ZONE AIF	R Sample Det	tails				
Туре		g Location		Sampling	done by		
Work zone Air	Threading & :	Secondary A	rea	Green Enviros & Consultant I			
	Samplii	ng Time					
Start Time	Stop Time			Total Hrs.			
12.10 pm	12.7	25 pm		15.min			
	Metrological Data/Environmental Conditions						
Ambient Temperature oc	30	Wet Bulb	Temperature oc	26			
Dry Bulb Temperature oc	30	Relative	Humidity % RH	49			
Date of Sampling	Sample Receipt Date	Analy	sis Start Date	Analysis I	End Date		
20.05.2022	21.05.2022	21	.05.2022	26.05.	2022		
Name of Instrument	Personal Sampler		of Calibration	25/10/			
Calibration Certificate No.	CC202221000006075F	Due Dat	e of Calibration	24/10/	2022		
Parameters	Method		Unit	As per Factory Act	Result		
Sulphur Dioxide(SO <sub>2</sub> )	IS:5182 (PART 2):20	17	μg/M³	≤ 5000	10.7		
Oxides of Nitrogen(NOx)	IS:5182 (PART 6):20	18	μg/M³	≤ 6000	14.2		
Suspended Particulate Matter	NIOSH 0500:2012	2	μg/M³	N.S	17.4		

- All above result are well within the Factory act,1948 standards & OSHA Standard.
- N.S .Not Specified

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	TEST REPO	ORT		
Test Report No: -	GESEC/WNLM/2022-23/05/			26.05.2022
Sample ID: -	GESEC/WNLM/2022-23/05/		Report Date	26.05.2022
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul,Nash	<del>-</del>		
	Work Zone Noise	Sample Details		
Туре	Work Zone Noise			
Sampling done by	Green Envirosafe Engineers	& Consultant Pvt.	Ltd, Pune	
Standard method	As Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis	Start Date	Analysis End Date
20.05.2022	21.05.2022	· · · · · · · · · · · · · · · · · · ·	5.2022	26.05.2022
20.03.2022	21.03.2022	21.0	5.2022	20.03.2022
Name of Instrument	Digital Sound Level Meter	Date Of	Calibration	10/10/2021
Calibration Certificate No.	ME.2021/10/21/002	Due Date o	of Calibration	09/10/2022
	1	Г		T
Test Location	Unit		e Level Readings	The Factories Act 1948,
Forging Section	dB(A)	<b>Day</b> 80.5	<b>Night</b> 68.9	standards
		79.7	67.5	-
Packing Area	dB(A)			-
Threading Section	dB(A)	80.1	67.1	_
Export Area	dB(A)	74.1	64.3	<u> </u>  -
Maintenance& Tool Room	dB(A)	83.2	70.2	_
LAB Plating	dB(A)	66.7	61.7	
Plating Section	dB(A)	73.1	64.5	
Tolling Area	dB(A)	81.1	68.4	<90
Quality Area	dB(A)	75.9	61.2	
CNC Section	dB(A)	77.9	69.8	
Remark-	. ,	I	1	1

> The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.

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	TEST REP	ORT				
Test Report No	GESEC/ST/2022-23/05/		Report Date	2	26.05.2022	
Sample ID: -	GESEC/ST/2022-23/05/					
	1					
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul,Nash					
	Sample D	etails				
Sample collection Date	Sample receipt Date	Analysis st	art Date	Analys	is complete Date	
20.05.2022	21.05.2022	21.05.2	2022	2	26.05.2022	
	Instrument	Details				
Name Of Instrument	Stack Monitoring Kit	Date Of Ca	libration	C	1/10/2021	
Calibration Certificate No.	PICL/1021/F/179	Due Date of	Calibration	30/09/2022		
	Stack De	tails				
Stack No/ID	Stack Attached to Sampling				pling done by	
	Annealing	Annealing Furnace -2			Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	
Shape	Round	Fuel U	sed			
Diameter/ Dimensions ( m)	0.038	Press	ure	3.1		
Height ( m)	18					
Temperature ( k )	363	Velocity	( m/s)	6.37		
Gas Volume (Nm³)	21.34			•		
	T				1	
Parameters	Method	Unit	Liı	nit	Result	
Particulate Matter	IS 11255 (Part 1) 2019	mg/NM <sup>3</sup>	≤ 1	150	39.2	
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	mg/NM³			22.7	
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	Kg/day	≤18	8.64	0.011	
Nitrogen Dioxide (NO <sub>x</sub> )	IS 11255 (Part 7) 2017	mg/NM <sup>3</sup> N.S.		19.9		

All above results are well within MPCB Limit.

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# \*\*\*END OF REPORT\*\*\*

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	TEST REP	ORT			
Test Report No	GESEC/ST/2022-23/05/		Report Date		6.05.2022
Sample ID: -	GESEC/ST/2022-23/05/				
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul,Nash				
	Sample D	etails			
Sample collection Date	Sample receipt Date	Analysis sta	art Date	Analysi	s complete Date
20.05.2022	21.05.2022	21.05.2	.022	2	6.05.2022
	Instrument	Details			
Name Of Instrument	Stack Monitoring Kit	Date Of Cal	libration	0	1/10/2021
Calibration Certificate No.	PICL/1021/F/179	Due Date of C	Calibration	30/09/2022	
	Stack De	tails			
Stack No/ID	Stack Att	Stack Attached to Sampli			
	Heat Tre	eatment		Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	
Shape	Round	Fuel U	sed		
Diameter/ Dimensions ( m)	0.2032	Pressu	ure	3.0	
Height ( m)	14.5				
Temperature ( k )	368	Velocity	( m/s)	6.30	
Gas Volume (Nm³)	596.20				
Parameters	Method	Unit	Liı	nit	Result
Particulate Matter	IS 11255 (Part 1) 2019	mg/NM <sup>3</sup>		IEO	43.9
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	mg/NM <sup>3</sup>		L50 	32.3
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	Kg/day		8.64	0.46
Nitrogen Dioxide (NO <sub>x</sub> )	IS 11255 (Part 7) 2017	mg/NM <sup>3</sup> N.S.			21.5

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	TEST REP	ORT				
Test Report No	GESEC/ST/2022-23/05/	Report Date		26.05.2022		
Sample ID: -	GESEC/ST/2022-23/05/					
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul,Nash					
	Sample D	etails				
Sample collection Date	Sample receipt Date	Analysis st	art Date	Analysi	is complete Date	
20.05.2022	21.05.2022	21.05.2	2022	2	26.05.2022	
	Instrument	Details				
Name Of Instrument	Stack Monitoring Kit	Date Of Calibration		0	1/10/2021	
Calibration Certificate No.	PICL/1021/F/179	Due Date of Calibration		30/09/2022		
	Stack De	tails				
Stack No/ID	Stack Att	pling done by				
	Plating S	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune				
Shape	Round	Fuel U	sed			
Diameter/ Dimensions ( m)	0.6096	Press	ure	3.1		
Height ( m)	12					
Temperature ( k )	332	Velocity	( m/s)	6.09		
Gas Volume (Nm³)	5742.68			•		
	T	1		•-		
Parameters	Method	Unit	Liı	nit	Result	
Particulate Matter	IS 11255 (Part 1) 2019	mg/NM <sup>3</sup>	≤ 1	150	43.2	
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	mg/NM <sup>3</sup>		<del></del>	24.7	
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	Kg/day	≤18	8.64	3.40	
Nitrogen Dioxide (NO <sub>x</sub> )	IS 11255 (Part 7) 2017	mg/NM³	N	.S.	22.4	

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	TEST REP	ORT			
Test Report No	GESEC/ST/2022-23/05/	Report Date		26.05.2022	
Sample ID: -	GESEC/ST/2022-23/05/				
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul,Nash				
	Sample D	etails			
Sample collection Date	Sample receipt Date	Analysis st	art Date	Analysis	complete Date
20.05.2022	21.05.2022	21.05.2	2022	20	5.05.2022
	Instrument	Details			
Name Of Instrument	Stack Monitoring Kit	Date Of Calibration		01	/10/2021
Calibration Certificate No.	PICL/1021/F/179	Due Date of Calibration		30/09/2022	
	Stack De	tails			
Stack No/ID	Stack Attached to Sampling done by				
1.	DG Set I		Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune		
Shape	Round	Fuel Used		Diesel	
Diameter/ Dimensions ( m)	0.03	Press	ure	3.0	
Height ( m)	6.75				
Temperature ( k )	343	Velocity	( m/s)	6.09	
Gas Volume (Nm³)	13.46				
Parameters	Method	Unit	1 ii	mit	Result
Parameters  Particulate Matter	IS 11255 (Part 1) 2019	mg/NM <sup>3</sup>			
	, ,	<u> </u>	≤ :	150	33.7
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	mg/NM <sup>3</sup>			21.9
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	Kg/day	≤18	8.64	0.007
Nitrogen Dioxide (NO <sub>x</sub> )	IS 11255 (Part 7) 2017	mg/NM³	N	.S.	15.4

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	TEST REP	ORT				
Test Report No	GESEC/ST/2022-23/05/	Report Date		20	26.05.2022	
Sample ID: -	GESEC/ST/2022-23/05/					
Name & Address of the Customer	M/s. Metaforge Engineering Dindori Road, Mhasrul,Nash					
	Sample D	etails				
Sample collection Date	Sample receipt Date	Analysis st	art Date	Analysis	complete Date	
20.05.2022	21.05.2022	21.05.2	2022	2	6.05.2022	
	Instrument	Details				
Name Of Instrument	Stack Monitoring Kit	Date Of Calibration		01	1/10/2021	
Calibration Certificate No.	PICL/1021/F/179	Due Date of Calibration		30/09/2022		
	Stack De	tails				
Stack No/ID	Stack Attached to Sampling done by					
2.	DG Set II	DG Set II - 45 KVA			rosafe Engineers a nt Pvt. Ltd, Pune	
Shape	Round	Fuel Used		Diesel		
Diameter/ Dimensions ( m)	0.03	Press	ure	3.0		
Height ( m)	4.57					
Temperature ( k )	340	Velocity	( m/s)	6.06		
Gas Volume (Nm³)	13.52					
Parameters Parameters	Method	Unit	1:.	mit	Result	
Parameters Particulate Matter	IS 11255 (Part 1) 2019	mg/NM <sup>3</sup>	LII	iiit		
	, ,	<u> </u>	≤ 2	150	46.7	
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	mg/NM <sup>3</sup>	-	<b></b>	32.6	
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	Kg/day	≤18	8.64	0.010	
Nitrogen Dioxide (NO <sub>x</sub> )	IS 11255 (Part 7) 2017	mg/NM <sup>3</sup>	N	.S.	23.1	

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		TES	T REPORT			
Test Report No: -	GESEC/DIL/2	022-23/05/				26.05.2022
Sample ID: -	GESEC/DIL/2	GESEC/DIL/2022-23/05/			t Date	26.05.2022
Name & Address of the Custo	omer	mer M/s. Metaforge Engineering I Pvt Ltd. Dindori Road, Mhasrul,Nashik-422004.				
		DG Noise	Monitoring R	eport		
Туре	DG Noise					
Sampling done by	Green Enviro	safe Engineers	& Consultant I	Pvt. Ltd, Pune		
Standard method	As Per IS: 99	89:2020				
Date of Sampling	Sample Receipt Date Analysis Start Date				te	Analysis End Date
20.05.2022	21.0	5.2022	21.05.2022			26.05.2022
	1		1			
Name of Instrument	Digital Soun	d Level Meter	Dat	te Of Calibrati	on	10/10/2021
Calibration Certificate No.	ME.2021	/10/21/002	Due I	Date of Calibra	ntion	09/10/2022
		Reading				
Test Location	Ni - atla Ci di -	0.5 mtr. Awa		M/+ C:- -	Avg.	Difference dB(A)
	North Side	East Side 1.	South Side	West Side		
Without Enclosure	80.1	85.4	81.1	87.2	<mark>83.4</mark>	
With Enclosure	69.4	70.2	69.3	71.3	<mark>70.0</mark>	<mark>13.4</mark>
	L	2.	DG. SET - 45 H	(VA	<u> </u>	
Without Enclosure	81.2	86.2	83.1	86.7	<mark>84.3</mark>	46.2
With Enclosure	65.1	69.2	68.3	70.1	<mark>68.1</mark>	<mark>16.2</mark>

Maharashtra Pollution Control Board has prescribed minimum 25 dB (A) Noise as DG Insertion loss difference during With and Without enclosure of DG

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		TEST REPORT				
Test Report No: -	GESEC/ISR/202	2-23/05/	Donort Data	26.05.2022		
Sample ID: -	GESEC/IDR/202	2-23/05/	Report Date	26.05.2022		
Name & Address of the Customer		e Engineering I I Mhasrul,Nashik				
	Illum	ination Sample	Details			
Sampling done by		•	Consultant Pvt. Ltd, Pune			
	_					
Date of Sampling	Sample Receipt Date		Analysis Start Date	Analysis End Date		
20.05.2022	21.05.2022		21.05.2022	26.05.2022		
Name of Instrument	Lux Meter		Date of Calibration	10/10/2021		
Calibration Certificate No.	2021/10/21/001		Due Date of Calibration	09/10/2022		
	2021/10/21/001		1 2 4 5 2 4 6 6 7 6 4 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	03/ 23/ 2022		
	Illum	ination Survey	Report			
Test Location	Re	sult	Lineta	11-24		
rest Location	Day	Night	Limit	Unit		
Forging Section	1200	345	300			
Packing Area	1410	1052	300			
Threading section	360	551	300			
Export Area	692	510	300			
Maintenance & Tool Room	1800	422	200	1		
LAB Plating	882	400	300	Lux		
Plating section	489	382	300			
i lating section	1420	431	300			
Tolling Area						
	1900	407	300			

Illumination Level in the factory is found satisfactory, as per The Factories Act, 1948.

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	TEST R	EPORT		
Test Report No: GESEC/WW/2022-23/05/	Report Date		26.05.2022	
Sample ID : GESEC/WW/2022-23/05/	Sample Details			STP Outlet
	Type of Samp	ole		Waste Water
	Volume Of Sa	ample	1 Lit plastic bottle	
	Sample Statu	S		Sealed
Name & Address of the Customer – M/s. Metaforge Engineering I Pvt Ltd.	Sample Colle	cted By	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	
Dindori Road, Mhasrul, Nashik-422004.	Date of Samp	ole Collection		20.05.2022
	Sample Recei	ipt Date	21.05.2022	
	Analysis start	Date	21.05.2022	
	Analysis End	Date	26.05.2022	
		1 1		
Parameters	Results	MPCB Limit	Unit	Standard Method
PH	7.4	5.5-9.0		APHA 4500 H+B 23 <sup>RD</sup> ED :2017
Total Suspended Solid	81	<100	mg/l	APHA 2540 D 23 <sup>rd</sup> ED:2017
Total Dissolved Solid	1381	<2100	mg/l	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Dissolved (COD)	42.5	<250	mg/l	IS 3025 (Part 58) , 2019
Biological Oxygen Dissolved (BOD) at 27°C for 3 days	10.6	<30	mg/l	IS 3025 (Part 44), 2019
Oil & Grease	<5	<10	mg/l	IS 3025 (Part 39), 2019
Chloride as Cl <sup>-</sup>	93.8	<600	mg/l	APHA 4500 CI- B,23rd Edition, 2017
		<1000	mg/l	APHA 3025 (Part 24) ;2019

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				26.05.2022
Test Report No: GESEC/WW/2022-23/05/	Report Date			20.03.2022
Sample ID: GESEC/WW/2022-23/05/	Sample Deta	ils		ETP Outlet
	Type of Samp	ole	Waste Water	
	Volume Of Sa	ample	1 Lit plastic bottle	
	Sample Statu	ıs	Sealed	
Name & Address of the Customer –	Sample Colle	cted By	Green Envirosafe Engineers &	
M/s. Metaforge Engineering I Pvt Ltd.	•	<u>-</u>	Consultant Pvt. Ltd, Pune	
Dindori Road, Mhasrul, Nashik-422004.	Date of Samp			20.05.2022
	Sample Rece	•	21.05.2022	
	Analysis start	t Date	21.05.2022	
	Analysis End	Date	26.05.2022	
Parameters	Results	MPCB Limit	Unit	Standard Method
			Ollic	
PH	7.5	5.5-9.0		APHA 4500 H+B 23 <sup>RD</sup> ED :2017
Total Suspended Solid	44.6	<100	mg/l	APHA 2540 D 23 <sup>rd</sup> ED:2017
Total Dissolved Solid	1785	<2100	mg/l	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Dissolved (COD)	59.1	<250	mg/l	IS 3025 (Part 58) , 2019
Biological Oxygen Dissolved (BOD) at 27°C for 3	14.7	<30	mg/l	IS 3025 (Part 44), 2019
days	<5	<10	mg/l	IS 3025 (Part 39), 2019
days Oil & Grease Chloride as Cl <sup>-</sup>	<5 97.2	<10 <600	mg/l mg/l	IS 3025 (Part 39), 2019  APHA 4500 Cl- B,23rd Edition, 2017

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	TEST F	REPORT		
Test Report No: GESEC/WW/2022-23/05/	Report Date		26.05.2022	
Sample ID: GESEC/WW/2022-23/05/	Sample Details		ETP Outlet	
	Type of Sample	?	Waste Water	
	Volume Of Sam	1 Lit plastic bottle		
Name & Address of the Customer – M/s. Metaforge Engineering I Pvt Ltd. Dindori Road, Mhasrul,Nashik-422004.	Sample Status	Sealed		
	Sample Collecto	ed By	Green Envirosafe Engineers 8 Consultant Pvt. Ltd, Pune	
	Date of Sample	Collection	20.05.2022	
	Sample Receipt	t Date	21.05.2022	
	Analysis start D	ate	21.05.2022	
	Analysis End Da	ate	26.05.2022	
Parameters	Results	MPCB Limit	Unit	Standard Method
Detergent	0.82	<10	mg/lit	APHA 5540

\*\*\*End Of Report\*\*\*

### Terms and conditions

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	TEST REPOR	Т		
Report No: GESEC/W/2022-23/05/	Date of Reporting		26.05.2022	
Sample Code: GESEC/W/2022-23/05/	Sample Details		Cooling Tower	
	Type of Sample		Water	
	Volume Of Sample		1 Lit Plastic Bottle	
Name & Address of the Customer –	Sample Status		Sealed	
M/s. Metaforge Engineering I Pvt Ltd. Dindori Road, Mhasrul, Nashik-422004.	Sample Collected By		Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	
Dilidori Kodu, Milasrui, Nasilik-422004.	Date of Sample Colle	ction	20.05.2022	
	Date of Sample recei	ved in lab	21.05.2022	
	<b>Analysis start Date</b>		21.05.2022	
	Analysis End Date		26.05.2022	
Parameters	Results	Unit	Standard Method	
	Physical Param	eter		
Turbidity	<0.1	NTU	IS:3025(part 10):2019	
TDS	420.3	mg/lit	IS: 3025 (Part 16):2017	
	Chemical Paran	neter		
рН	7.2		APHA 4500 ,23rd Ed.2017	
Total Hardness	96.07	mg/lit	IS: 3025 (Part 21):2019	
Total Alkalinity	1633	mg/lit	IS: 3025 (Part 23):2019	
Sulphate	135.2	mg/lit	APHA 3025 (Part 24):2019	
Residual Chlorine	<0.1	mg/lit	IS 3025 (Part 26):2019	
Chloride	185.4	mg/lit	APHA 4500 Cl-B,23rd Ed.2017	
Calcium (as Ca)	22.44	mg/lit	IS 3025 (Part 40):2019	
Magnesium (as Mg)	9.22	mg/lit	APHA 3500-Mg,B, 23rd Ed.2017	

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Sample Details		6 II T
•		Cooling Tower
Type of Sample		Water
Volume Of Sample		1 Lit Plastic Bottle & 1 Lit. Glass Bottle
Sample Status		Sealed
Sample Collected B	у	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune
<b>Date of Sample Coll</b>	lection	20.05.2022
Date of Sample reco	eived in lab	21.05.2022
<b>Analysis start Date</b>		21.05.2022
Analysis End Date		26.05.2022
Results	Unit	Standard Method
Physical Para	meter	
Clear	<5	Hazen
Elemental An	alysis	
<0.1	mg/lit	IS:3025 (Part 2):2019
Microbiological P	arameter	
Absent	MPN/100ml	IS 1622:1981
Absent	per/100ml	IS 1622:1981
	Volume Of Sample Sample Status  Sample Collected B  Date of Sample Coll Date of Sample reconnected B  Analysis start Date  Analysis End Date  Results  Physical Para  Clear  Elemental An  <0.1  Microbiological P  Absent	Volume Of Sample Sample Status  Sample Collected By  Date of Sample Collection Date of Sample received in lab Analysis start Date Analysis End Date  Results Unit Physical Parameter  Clear <5 Elemental Analysis  <0.1 mg/lit  Microbiological Parameter  Absent MPN/100ml

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\*\*\*End Of Report\*\*\*

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- $\textbf{6.} \qquad \text{MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022}.$

	TEST	REPORT		
Report No: GESEC/W/2022-23/05/	Date of Repo	rting		26.05.2022
Sample Code: GESEC/W/2022-23/05/	Sample Detai	ls		Forging Shop Cooler
	Type of Samp	le		Drinking Water
	Volume Of Sa	mple		1 Lit Plastic Bottle
Name & Address of the Customer –	Sample Status			Sealed
M/s. Metaforge Engineering I Pvt Ltd.	Sample Collec	cted By		Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune
Dindori Road, Mhasrul,Nashik-422004.	Date of Samp	le Collection		20.05.2022
	-	le received in lab		21.05.2022
	Analysis start	Date		21.05.2022
	Analysis End I	Date	26.05.2022	
Parameters	Results	Limits as per IS 10500:2012	Unit	Standard Method
	Physica	l Parameter		
Turbidity	<0.1	<1	NTU	IS:3025(part 10):2019
TDS	64	<500	mg/lit	IS: 3025 (Part 16):2017
	Chemica	al Parameter		
рН	7.1	6.5 to 8.5		APHA 4500 ,23rd Ed.2017
Total Hardness	54.1	<200	mg/lit	IS: 3025 (Part 21):2019
Total Alkalinity	9.1	<200	mg/lit	IS: 3025 (Part 23):2019
Sulphate	6.7	<200	mg/lit	APHA 3025 (Part 24):2019
Residual Chlorine	<0.1	<0.2	mg/lit	IS 3025 (Part 26):2019
				•
Chloride	19.3	<250	mg/lit	APHA 4500 Cl-B,23rd Ed.2017
	19.3 0.97	<250 <75	mg/lit mg/lit	APHA 4500 Cl-B,23rd Ed.2017  IS 3025 (Part 40):2019

➤ The above water sample is Comply with required limit as per 10500:2012.

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TEST	REPORT		
Date of Repor	rting		26.05.2022
Sample Detail	ls		Forging Shop Cooler
Type of Samp	le		Drinking Water
Volume Of Sa	mple		1 Lit Plastic Bottle
Sample Status	S		Sealed
Sample Collec	cted By	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	
Date of Samp	le Collection	20.05.2022	
Date of Samp	le received in lab	21.05.2022	
Analysis start	Date	21.05.2022	
Analysis End [	Date		26.05.2022
Results	Limits as per IS 10500:2012	Unit	Standard Method
Physica	l Parameter		
Clear	<5	Hazen	IS: 3025 (Part 4):1983
Elemen	tal Analysis	l	
<0.1	<0.3	mg/lit	IS:3025 (Part 2):2019
Microbiolog	gical Parameter	1	1
Absent	Absent	MPN/100ml	IS 1622:1981
Absent	Absent	per/100ml	IS 1622:1981
	Date of Report Sample Detail Type of Sample Volume Of Sa Sample Status Sample Collect Date of Sample Date of Sample Analysis start Analysis End I  Results Physica Clear Elemen <0.1 Microbiological	Physical Parameter  Clear <5  Elemental Analysis  <0.1 <0.3  Microbiological Parameter	Date of Reporting  Sample Details  Type of Sample  Volume Of Sample  Sample Status  Sample Collected By  Date of Sample Collection  Date of Sample received in lab  Analysis start Date  Analysis End Date  Results  Limits as per IS 10500:2012  Physical Parameter  Clear <5 Hazen  Elemental Analysis  <0.1 <0.3 mg/lit  Microbiological Parameter

- ➤ The above water sample is Comply with required limit as per 10500:2012.
- For Total Coliform & E.coli. Absent can be consider as Zero [ Refer IS:1622 (R.A.1996), Table No.-4].

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\*\*\*End Of Report\*\*\*

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	TEST	REPORT					
Report No: GESEC/W/2022-23/05/	Date of Repo	rting	26.05.2022				
Sample Code: GESEC/W/2022-23/05/	Sample Detai	ls	canteen Cooler				
Name & Address of the Customer – M/s. Metaforge Engineering I Pvt Ltd. Dindori Road, Mhasrul,Nashik-422004.	Type of Sample			Drinking Water			
	Volume Of Sample			1 Lit Plastic Bottle			
	Sample Status			Sealed			
	Sample Collected By			Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune			
	Date of Samp	le Collection	20.05.2022				
	Date of Samp	le received in lab	21.05.2022				
	Analysis start	Date	21.05.2022				
	Analysis End	Date	26.05.2022				
Parameters	Results	Limits as per IS 10500:2012	Unit	Standard Method			
Physical Parameter							
Turbidity	<0.1	<1	NTU	IS:3025(part 10):2019			
TDS	92.4	<500	mg/lit	IS: 3025 (Part 16):2017			
Chemical Parameter							
Н	7.2	6.5 to 8.5		APHA 4500 ,23rd Ed.2017			
Total Hardness	46.1	<200	mg/lit	IS: 3025 (Part 21):2019			
Total Alkalinity	42.7	<200	mg/lit	IS: 3025 (Part 23):2019			
Sulphate	8.4	<200	mg/lit	APHA 3025 (Part 24):2019			
Residual Chlorine	<0.1	<0.2	mg/lit	IS 3025 (Part 26):2019			
Chloride	16.5	<250	mg/lit	APHA 4500 Cl-B,23rd Ed.2017			
Calcium (as Ca)	44.9	<75	mg/lit	IS 3025 (Part 40):2019			
Magnesium (as Mg)	11.6	<30	mg/lit	APHA 3500-Mg,B, 23rd Ed.2017			
Pomark/s).	L	l l					

## Remark(s):

➤ The above water sample is Comply with required limit as per 10500:2012.

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	1231	KEI OKI		
Report No: GESEC/W/2022-23/05/	Date of Repor	rting	26.05.2022	
Sample Code: GESEC/W/2022-23/05/	Sample Detai	ls	canteen Cooler	
Name & Address of the Customer – M/s. Metaforge Engineering I Pvt Ltd. Dindori Road, Mhasrul,Nashik-422004.	Type of Sample			Drinking Water
	Volume Of Sa	mple	1 Lit Plastic Bottle	
	Sample Status			Sealed
	Sample Collected By			Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune
	Date of Samp	le Collection	20.05.2022	
	Date of Samp	le received in lab	21.05.2022	
	Analysis start Date			21.05.2022
	Analysis End I	Date	26.05.2022	
Parameters	Results	Limits as per IS 10500:2012	Unit	Standard Method
	Physica	l Parameter		
Color	Clear	<5	Hazen	IS: 3025 (Part 4):1983
	Elemen	tal Analysis		
Iron as Fe	<0.1	<0.3	mg/lit	IS:3025 (Part 2):2019
	Microbiolo	gical Parameter	L	1
Total Coliform	Absent	Absent	MPN/100ml	IS 1622:1981
E.coli.	Absent	Absent	per/100ml	IS 1622:1981
Remark(s):	I	1	1	ı

**TEST REPORT** 

- The above water sample is Comply with required limit as per 10500:2012.
- For Total Coliform & E.coli. Absent can be consider as Zero [Refer IS:1622 (R.A.1996), Table No.-4].

Mr. Vinod Hande (Technical Manager) **Reviewed & Authorized By** 

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