

Test Report

Name & Address of the Customer : **M/S. Chamundi Die Cast Ltd**
Plot No - 50 B, C&D Industrial Area,
Harohalli, Tumkur - 575168.

Particulars of Sample Collected : **Stack Monitoring**
Name of the Sample Location : **Chimney attached to "380 KVA DG Set"**

Date of Collection : 25/09/2021
Date of Sample Receipt : 25/09/2021
Sample Code / ID : NALRC/2021/09/ED/477
Date of Analysis Started : 25/09/2021
Date of Completion : 28/09/2021
Report No : NALRC/2021/09/477
Report Date : 28/09/2021
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Instrument Used:

Instrument Name	Make	Model	Instrument Calibrated Date	Instrument calibration due Date
Stack Monitoring Kit	Greentech Instruments	GTI-121	17/03/2021	16/03/2022

General Details

Date of Monitoring	25/09/2021
Fuel Used	Diesel
Ambient Temperature(°C)	30.0
Stack Diameter (m)	0.06
Quantity of flu gas discharge into the atmosphere (Nm ³ /Hr)	73.29

STACK MONITORING RESULTS

Note: 1. N.S: Not Specified,

Parameters	Unit	Result	Limits	Test Method
Flue Gas Temperature	°C	140	N.S	IS:11255(Part-3) 1985 RA:2003
Exit Velocity of gas	(Mts/Sec)	7.2	N.S	IS:11255(Part-3) 1985 RA:2003
Particulate matter	mg/Nm ³	38.0	75.0	IS 11255(Part 1)1985 RA 2014
Oxides of Nitrogen	mg/Nm ³	36.0	710.0	IS 11255(Part 7) 2005 RA 2012
Sulphur Dioxide(SO ₂)	mg/Nm ³	6.9	N.S	IS 11255(Part 2) 1985 RA 2014

*****End of the report*****

Test Report

Name & Address of the Customer : **M/S. Chamundi Die Cast Ltd**
Plot No - 50 B, C&D Industrial Area,
Harohalli, Tumkur - 575168.

Particulars of Sample Collected : **Stack Monitoring**
Name of the Sample Location : Chimney attached to "625 KVA DG Set - 01"

Date of Collection : 25/09/2021
Date of Sample Receipt : 25/09/2021
Sample Code / ID : NALRC/2021/09/ED/478
Date of Analysis Started : 25/09/2021
Date of Completion : 28/09/2021
Report No : NALRC/2021/09/478
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Instrument Used:

Instrument Name	Make	Model	Instrument Calibrated Date	Instrument calibration due Date
Stack Monitoring Kit	Greentech Instruments	GTI-121	17/03/2021	16/03/2022

General Details

Date of Monitoring	25/09/2021
Fuel Used	Diesel
Ambient Temperature(°C)	30.0
Stack Diameter (m)	0.06
Quantity of flu gas discharge into the atmosphere (Nm ³ /Hr)	71.26

STACK MONITORING RESULTS

Note: I. N.S: Not Specified,

Parameters	Unit	Result	Limits	Test Method
Flue Gas Temperature	°C	140	N.S	IS:11255(Part-3) 1985 RA:2003
Exit Velocity of gas	(Mts/Sec)	7.0	N.S	IS:11255(Part-3) 1985 RA:2003
Particulate matter	mg/Nm ³	54.6	75.0	IS 11255(Part 1)1985 RA 2014
Oxides of Nitrogen	mg/Nm ³	43.5	710.0	IS 11255(Part 7) 2005 RA 2012
Sulphur Dioxide(SO ₂)	mg/Nm ³	6.9	N.S	IS 11255(Part 2) 1985 RA 2014

*****End of the report*****

Test Report

Name & Address of the Customer : **M/S. Chamundi Die Cast Ltd**
Plot No - 50 B, C&D Industrial Area,
Harohalli, Tumkur - 575168.

Particulars of Sample Collected : **Stack Monitoring**

Name of the Sample Location : Chimney attached to "625 KVA DG Set - 02"

Date of Collection : 25/09/2021

Date of Sample Receipt : 25/09/2021

Sample Code / ID : NALRC/2021/09/ED/479

Date of Analysis Started : 25/09/2021

Date of Completion : 28/09/2021

Report No : NALRC/2021/09/479

Report Date : 29/09/2021

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Instrument Used:

Instrument Name	Make	Model	Instrument Calibrated Date	Instrument calibration due Date
Stack Monitoring Kit	Greentech Instruments	GTI-121	17/03/2021	16/03/2022

General Details

Date of Monitoring	25/09/2021
Fuel Used	Diesel
Ambient Temperature(°C)	30.0
Stack Diameter (m)	0.06
Quantity of flu gas discharge into the atmosphere (Nm ³ /Hr)	80.42

STACK MONITORING RESULTS

Note: 1. N.S: Not Specified,

Parameters	Unit	Result	Limits	Test Method
Flue Gas Temperature	°C	140	N.S	IS:11255(Part-3) 1985 RA:2003
Exit Velocity of gas	(Mts/Sec)	7.9	N.S	IS:11255(Part-3) 1985 RA:2003
Particulate matter	mg/Nm ³	56.4	75.0	IS 11255(Part 1)1985 RA 2014
Oxides of Nitrogen	mg/Nm ³	43.7	710.0	IS 11255(Part 7) 2005 RA 2012
Sulphur Dioxide(SO ₂)	mg/Nm ³	7.0	N.S	IS 11255(Part 2) 1985 RA 2014

*****End of the report*****

Test Report

Name & Address of the Customer : **M/S. Chamundi Die Cast Ltd**
Plot No - 50 B, C&D Industrial Area,
Harohalli, Tumkur - 575168.

Particulars of sample : **Ambient Air Quality Monitoring**
Name of the Sample Location : **Near Security Main Gate**

Date of Collection : 25/09/2021
Date of Sample Receipt : 25/09/2021
Sample Code / ID : NALRC/2021/09/ED/476
Date of Analysis Started : 25/09/2021
Date of Completion : 28/09/2021
Report No : NALRC/2021/09/476
Report Date : 28/09/2021
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Instrument used

Instrument Name	PM _{2.5}	PM ₁₀
	Fine Particulate Sampler	Respirable Dust Sampler
Make	Greentech Instruments	Greentech Instruments
Model	GTI-131	GTI-151 BL
SI No	127-DTC-2017	127-DTC-2017
Instrument Calibrated Date	14/03/2021	17/03/2021
Instrument calibration due Date	13/03/2022	16/03/2022

Environmental Conditions

Temperature (°C)	30.0
Humidity (%)	42.0
Climate-	Clear Sky
Wind Flow	Normal

AMBIENT AIR QUALITY MONITORING RESULTS

SI No	Parameters	Unit	Results	Standard as per NAAQM	Test Method
1	Particulate Matter (PM10)	µg/m ³	78.6	100.0 Max	IS 5182 (Part-23) : 2017
2	Particulate matter (PM2.5)	µg/m ³	27.6	60.0 Max	NALRC/SOP/Air/10 : 2017
3	Sulphur Dioxide (SO ₂)	µg/m ³	6.9	80.0 Max	IS 5182 (Part 2) : 2017
4	Nitrogen Dioxide (NO ₂)	µg/m ³	29.0	80.0 Max	IS 5182 (Part 6) 2017

*****End of the report*****

Test Report

Name & Address of the Customer : **M/S. Chamundi Die Cast Ltd**
Plot No - 50 B, C&D Industrial Area,
Harohalli, Tumkur - 575168.

Particulars of sample : **Noise Monitoring (Day Time)**

Date of Collection : 25/09/2021
Date of Sample Receipt : 25/09/2021
Sample Code / ID : NALRC/2021/09/ED/480
Date of Analysis Started : 25/09/2021
Date of Completion : 27/09/2021
Report No : NALRC/2021/09/480
Report Date : 27/09/2021
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Instrument Used:

Instrument Name	Make	SI No	Instrument Calibrated Date	Instrument Calibrated Due Date
Sound Level Meter	HTA Instruments	160508096	17/03/2021	16/03/2022

NOISE MONITORING RESULTS

SI No	Sample Location	Test Method	Noise level Results in Leq dB (A)	Limits as per KSPCB in Day Time
1	380 KVA DG Set	IS 9989:1981 (Reaffirmed-2006)	67.5	75 dB (A) Leq Max
2	625 KVA DG Set - 01		73.5	
3	625 KVA DG Set - 02		72.8	

*****End of the report*****

Essen & Co.

EC/QCF/17

ESTD. 1944

ANALYTICAL CHEMISTS & ASSAYERS
(An ISO 9001 - 2015 Certified Company)

No. 92, 7th Main, 3rd Phase,
Peenya Industrial Area,
Bangalore - 560 058.

Founded by : Dr. N. JAYARAMAN, M.A., D.Sc.
Director : Dr. J. RAJARAM

Phone : 28392230 / 29512230
29512231

Email : essenblr@gmail.com
essenblr@essenco.in

TEST REPORT

ISSUED TO:

M/s. CHAMUNDI DIE CAST PVT.LTD., (UNIT-1) WORKS - PLOT NO. 50 B C & D, HIREHALLI INDUSTRIAL AREA, HIREHALLI, TUMAKURU - 572 168.	CERTIFICATE NO.: AW/2466 DATE OF ISSUE...: 30-08-2021
	REGISTER NO....: 3006 DATE OF RECEIPT: 24-08-2021

SAMPLE SUBMITTED BY PARTY

DESCRIPTION OF SAMPLE: C E T P WATER

TESTED AS PER.....: IS:3025

PARAMETER	REQUIREMENTS	RESULTS
COLOUR	SEE NOTE	ALMOST COLOURLESS
ODOUR	SEE NOTE	ODOURLESS
SUSPENDED SOLIDS, mg/l	100 MAX.	20.0
ELECTRICAL CONDUCTIVITY	2250 MAX.	1670
pH	5.5 TO 9.0	7.4
OIL & GREASE, mg/l	10 MAX.	<10.0
BIO-CHEMICAL OXYGEN DEMAND FOR 3 DAYS @ 27~C, mg/l	30 MAX.	18.0
RESIDUAL SODIUM CARBONATE, mg/l	5.0 MAX.	1.9
CHLORIDE AS Cl, mg/l	600 MAX.	255.24
SULPHATE AS SO ₄ , mg/l	1000 MAX.	38.9
DISSOLVED SOLIDS (INORGANIC), mg/l	2100 MAX.	1080
NOTE: ALL EFFORTS SHOULD BE MADE TO REMOVE COLOUR AND UNPLEASANT ODOUR AS FAR AS PRACTICABLE.		

For ESSEN & CO.

Checked By: *Ajay*



M.K. Vasuki
Authorized Signatory

M.K. VASUKI
Technical Manager

Note : The test results given in this certificate pertains only to the sample received by us. Our intervention has been performed to the best of our skill and knowledge and our responsibility is limited to the exercise of due care. This certificate reflects our findings on the sample received by us and does not release vendors or buyers from their contractual obligations. This Certificate shall not be considered as proof of...

EsSEN & Co.

EC/QCF/17

ESTD. 1944

ANALYTICAL CHEMISTS & ASSAYERS
(An ISO 9001 - 2015 Certified Company)No. 92, 7th Main, 3rd Phase,
Peenya Industrial Area,
Bangalore - 560 058.Founded by : Dr. N. JAYARAMAN, M.A., D.Sc.
Director : Dr. J. RAJARAMPhone : 28392230 / 29512230
29512231Email : essenblr@gmail.com
essenblr@essenco.in

TEST REPORT

ISSUED TO:

M/s. CHAMUNDI DIE CAST PVT.LTD.,(UNIT-1) WORKS - PLOT NO: 50 B C & D, HIREHALLI INDUSTRIAL AREA, HIREHALLI, TUMAKURU - 572 168.	CERTIFICATE NO.: AW/1830 DATE OF ISSUE...: 31-07-2021
	REGISTER NO.....: 2225 DATE OF RECEIPT: 27-07-2021

SAMPLE SUBMITTED BY PARTY

DESCRIPTION OF SAMPLE: C E T P WATER
TESTED AS PER.....: IS:3025

PARAMETER	REQUIREMENTS	RESULTS
COLOUR	SEE NOTE	ALMOST COLOURLESS
ODOUR	SEE NOTE	ALMOST ODOURLESS
SUSPENDED SOLIDS, mg/l	100 MAX.	18.0
ELECTRICAL CONDUCTIVITY	2250 MAX.	1510
pH	5.5 TO 9.0	6.85
OIL & GREASE, mg/l	10 MAX.	<10.0
BIO-CHEMICAL OXYGEN DEMAND FOR 3 DAYS @ 27-C, mg/l	30 MAX.	16.0
RESIDUAL SODIUM CARBONATE, mg/l	5.0 MAX.	2.14
CHLORIDE AS CL, mg/l	600 MAX.	191.43
SULPHATE AS SO ₄ , mg/l	1000 MAX.	46.30
DISSOLVED SOLIDS (INORGANIC),mg/l	2100 MAX.	1060.0
NOTE: ALL EFFORTS SHOULD BE MADE TO REMOVE COLOUR AND UNPLEASANT ODOUR AS FAR AS PRACTICABLE.		

For ESSEN & CO.

Checked By: *Ajay*

Authorized Signatory

M.K. VASUNI
Technical Manager

Note : The test results given in this certificate pertains only to the sample received by us. Our intervention has been performed to the best of our skill and knowledge and our responsibility is limited to the exercise of due care. This certificate reflects our findings on the sample received by us and does not release vendors or buyers from their contractual obligations. This Certificate shall not be reproduced, in part or full and