# **Post EC Compliance Report June-Nov 2022**

Name & Address of the Industry: M/ Grace Industries Ltd. Plot No. A-24 And A-30, MIDC Tadali Chandrapur EC No. SIAA-EC-0000002042 Dated. 16/10/2019

Production Details: Installation of Induction furnace to Manufacturer of 1. Billets – 18000 MT/month

- 2. Rolled Product TMT Bars- 18000 MT/Month
- 3. Ferro Alloys 6000 MT/Month (SAF)

Sr.	Specific Conditions	Compliance
1	PP to upload details of disposal/reuse of	Agreed
	waste slags along with its quantities.	
П	PP to install online air monitoring system.	We will install after starting the Operation
III	PP to upload documents related to the	Agreed
	proposed mitigation measures to reduce	
	environmental impacts identified in the life	
	cycle analysis.	
IV	PP to PREPARE AND IMPLEMENT CER PLAN IN	Agreed
	CONSULTATION WITH THE District	
	Authorities. PP to explore possibility to	
	provide sewage treatment plant to the village	
	Tadali or any other village from their CER	
	funds.	According 20 de the const
V	PP to include water and carbon foot print	Agreed we will do the same
	monitoring in their Environmental Monitoring	
1/1	Program.	We will submit
VI	PP to submit CER plan to MUNICIPAL Commissioner/District Collector and submit	we will submit
	the acknowledgment to Member Secretary,	
	SEIAA.	
VII	PP to ensure to comply with the conditions	Agreed
V 11	stipulated in the Office Memorandum issued	Agreeu
	by MoEF& CC dated 9 <sup>th</sup> August, 2018.	
	by Mori & CC dated 5 August, 2016.	

Sr.	General Conditions	Compliance
1	(i) PP to achieve Zero Liquid Discharge PP shall	We will study for the same after starting of
	ensure that there is no increase in the	project and will install the same
	effluent load to CETP.	
П	No additional land shall be used/acquired for	Agreed
	any activity of the project without obtaining	
	proper permission.	
Ш	PP to take utmost precaution for the health	Agreed
	and safety of the people working in the unit	
	as also for protecting the environment.	
IV	Proper Housekeeping programmers shall be	Agreed
	implemented.	
V	In the event of the failure of any pollution	Agreed
	control system adopted by the unit, the unit	
	shall be immediately put out of operation and	
	shall not be restarted until the desired	

	CC: 1 1 1 1	
	efficiency has been achieve.	According to the control of the cont
VI	A Stack of adequate height based on DG set	Agreed we will install the same after Installing
	capacity shall be provided for control and	DG
	dispersion of pollutant from DG set. (If	
	applicable).	
VII	A detailed scheme for rainwater harvesting	Agreed we Will provide and implement RWH
	shall be prepared and implemented to	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	recharge ground water.	
VIII	Arrangement shall be made that effluent and	Agreed, We will provide separate Drain Lines
127	storm water does not get mixed.	NACCO III con esta contra con con
IX	Periodic monitoring of ground water shall be	We will monitor the same
	undertaken and results analyzed to ascertain	
	any change in the quality of water. Results	
	shall be regularly submitted to the Maharashtra Pollution Control Board.	
V		Agreed we will resinte in the Niciae level
X	Noise level shall be maintained as per standards. For people working in the high	Agreed , we will maintain the Noise level
	noise area, requisite personal protective	
	equipment like earplugs etc. shall be	
	provided.	
XI	The overall noise levels in and around the	We will maintain the noise levels
\ \ \	plant are shall be kept well within the	We will maintain the noise levels
	standards by providing noise control	
	measures including acoustic hoods, silencers,	
	enclosures, etc. on all sources of noise	
	generation. The ambient noise levels shall	
	confirm to the standards prescribed under	
	Environment (Protection) Act, 1986 Rules,	
	1989.	
XII	Green belt shall be developed & maintained	Agreed we will maintain the Green Belt
	around the plant periphery. Green Belt	
	Development shall be carried out considering	
	CPCB guidelines including selection of plant	
	species and in consultation with the local	
	DFO/Agriculture Dept.	
XIII	Adequate safety measures shall be provided	We will provide adequate Safety measures and
	to limit the risk zone within the plant	also will provide Leak Detection Devices
	boundary, in case of an accident. Leak	
	detection devices shall also be installed at	
	strategic places for early detection and	
	warning.	
XIV	Occupational health surveillance of the	We will maintain the OHCE record at site
	workers shall be done on a regular basis and	
	record maintained as per Factories Act.	
XV	The company shall make the arrangement for	We will make arrangements for Protection of
	protection of possible fire hazards during	Fire hazard
	manufacturing process in material handling.	
XVI	The project authorities must strictly comply	We will comply Hazardous Waste (Management
	with the rules and regulation with regard to	and Handling) Rules, 2003
	handling and disposal of hazardous wastes in	
	accordance with the Hazardous Waste	

	(Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.	
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes/improvements required, if any, in the on-site management plan shall be ensured.	We will carry out regular Mock drills drills for the on-site emergency management
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	We will place separate environment management cell with qualified staff
XIX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Agreed we will provide Separate funds shall be allocated for implementation of environmental protection measures
XX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.govin">http://ec.maharashtra.govin</a> .	Agreed we have advertise at in two local newspapers
XXI	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies aot the MPCB & this department, on 1 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	Agreed we will submit half yearly compliance reports in respect of the stipulated prior environment clearance terms
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	We will circulate copy of the clearance letter to the concerned Municipal Corporation and the local NGO
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to	We will upload the status of compliance of the stipulated EC conditions, including results of monitored data on Our website

	the Reginal Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant	
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB.	We will submit
XXV	The Environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions shall also be sent to the respective Regional Offices of MoEF by e-mail.	We will submit the Environmental Statement regularly
4	The Environmental Clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any Environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Agreed we will not violate any Environmental laws
5	In case of submission of false document and non-compliance of stipulated conditions, Authority/Environment Department will revoke or suspend the Environment Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Agreed
6	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Agreed
7	Validity of Environment Clearance : The Environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated	Agreed and accepted

	29 <sup>th</sup> April, 2015.	
8	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition (s) imposed and to incorporate additional environmental protection measures required, if any.	Agreed
9	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Agreed
10	Any appeal against this Environment clearance shall lie with the National Green Tribunal (Wester Zone Bench, Pune), New Administrative Building, 1 <sup>st</sup> Floor, D Wing, Opposite Council Hall, Pune if preferred, within 30 days as prescribed under section 16 of National Green Tribunal Act, 2010.	Agreed



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"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

\* Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

## **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO.	HS/LAB/AA/01371
M/s Grace Industries Ltd. Plot	REPORT DATE	10/05/2022
No. A-24 And A-30, MIDC Area,	LAB REFERENCE NO.	HS/LAB/AA/ET035
Tadali Growth Centre Tadali,	SAMPLING DATE	02&03/05/2022
Chandrapur.	SAMPLE RECEIPT DATE	05/05/2022
	START DATE OF ANALYSIS	05/05/2022
	END DATE OF ANALYSIS	09/05/2022
	SAMPLING REF. / SOP NO.	

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Envirotech Research Pvt. Ltd.	Plastic Bottles & Bags		South East corner A- 24

	<u></u>					
SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE	
01	DATE OF SAMPLING	DD/MM/YY	02&03/05/2022			
02	TEST LOCATION		South East corner A-24			
03	TIME OF SAMPLING	Hrs	12:00			
04	TEMPERATURE (Max./Min)	Deg C	41/32			
05	RELATIVE HUMIDITY (Max./Min)	% RH	69/42			
06	SAMPLING DURATION	Hrs	24			
07	PM <sub>10</sub>	μ <b>g/m</b> <sup>3</sup>	49.18	100	IS 5182(part 23),2006	
08	PM <sub>2.5</sub>	μ <b>g/m</b> ³	22.19	60	CPCB Guidelines Volume – I Pg. No.15	
09	SO <sub>2</sub>	μ <b>g/m</b> ³	23.41	80	IS 5182(part 2),2001, RA 2006	
10	NO <sub>2</sub>	μ <b>g/m</b> ³	27.15	80	IS 5182(part 6),2006	
11	со	mg/m³	0.35	04	IS 5182 (part 10): 1999 (Reaffirmed 2003)	



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12	Lead	μ <b>g/m</b> <sup>3</sup>	BDL	1.0	IS 5182 (Part 22) :2004
13	NH <sub>3</sub>	μ <b>g/m</b> <sup>3</sup>	BDL	400	CPCB Guidelines Volume – I Pg. No. 35
14	Ozone	μ <b>g/m</b> ³	BDL	100	IS 5182(part 9),1974, RA 2009
15	Benzene	μ <b>g/m</b> <sup>3</sup>	BDL	05	IS 5182 (part 11): 2006
16	Benzo(a)Pyrene	ng/m³	BDL	01	CPCB Guidelines Volume – I Pg. No. 39
17	Arsenic	ng/m³	BDL	06	CPCB Guidelines Volume – I Pg. No. 47
18	Nickel	ng/m³	BDL	20	CPCB Guidelines Volume – I Pg. No. 47

# REMARK/OBSERVATIONS:

Monitoring results are well within the limits prescribed by NAAQS.

Above parameters are monitored and analyzed on the basis of NAAQS manual Volume I, 2011. NAAQS - National Ambient Air Quality Standards. BDL- Below detectable level (<0.01 ppm)

For HORIZON SERVICES

Menayolkal

MANISHA NARGOLKAR (Lab Incharge)



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# Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO.	HS/LAB/AA/01372
M/s Grace Industries Ltd. Plot	REPORT DATE	10/05/2022
No. A-24 And A-30, MIDC Area,	LAB REFERENCE NO.	HS/LAB/AA/ET035
Tadali Growth Centre Tadali,	SAMPLING DATE	02&03/05/2022
Chandrapur.	SAMPLE RECEIPT DATE	05/05/2022
	START DATE OF ANALYSIS	05/05/2022
	END DATE OF ANALYSIS	09/05/2022
	SAMPLING REF. / SOP NO.	

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Envirotech Research Pvt. Ltd.	Plastic Bottles & Bags		North west corner A- 30

SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	02&03/05/2022		
02	TEST LOCATION		North west corner A-30		
03	TIME OF SAMPLING	Hrs	12:20		
04	TEMPERATURE (Max./Min)	Deg C	41/32		
05	RELATIVE HUMIDITY (Max./Min)	% RH	69/42		
06	SAMPLING DURATION	Hrs	24		
07	PM <sub>10</sub>	μ <b>g/m</b> <sup>3</sup>	51.46	100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	μ <b>g</b> /m³	23.74	60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	μ <b>g/m</b> ³	19.46	80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	μ <b>g/m</b> ³	32.71	80	IS 5182(part 6),2006
11	со	mg/m³	0.30	04	IS 5182 (part 10): 1999 (Reaffirmed 2003)



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12	Lead	μ <b>g/m</b> <sup>3</sup>	BDL	1.0	IS 5182 (Part 22) :2004
13	NH <sub>3</sub>	μ <b>g/m</b> ³	BDL	400	CPCB Guidelines Volume – I Pg. No. 35
14	Ozone	μ <b>g/m</b> ³	BDL	100	IS 5182(part 9),1974, RA 2009
15	Benzene	μ <b>g/m</b> <sup>3</sup>	BDL	05	IS 5182 (part 11): 2006
16	Benzo(a)Pyrene	ng/m³	BDL	01	CPCB Guidelines Volume – I Pg. No. 39
17	Arsenic	ng/m³	BDL	06	CPCB Guidelines Volume – I Pg. No. 47
18	Nickel	ng/m³	BDL	20	CPCB Guidelines Volume – I Pg. No. 47

## REMARK/OBSERVATIONS:

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BDL- Below detectable level (<0.01 ppm)

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Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

		110/2/(2/17/10:2:1
CLIENT'S NAME & ADDRESS	REPORT NO.	HS/LAB/AA/01373
M/s Grace Industries Ltd. Plot	REPORT DATE	10/05/2022
No. A-24 And A-30, MIDC Area,	LAB REFERENCE NO.	HS/LAB/AA/ET035
Tadali Growth Centre Tadali,	SAMPLING DATE	02&03/05/2022
Chandrapur.	SAMPLE RECEIPT DATE	05/05/2022
•	START DATE OF ANALYSIS	05/05/2022
	END DATE OF ANALYSIS	09/05/2022
	SAMPLING REF. / SOP NO.	

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Envirotech Research	Plastic Bottles & Bags		South West corner A-
	Pvt. Ltd.			30

SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	02&03/05/2022		
02	TEST LOCATION		South West corner A-30		
03	TIME OF SAMPLING	Hrs	12:40		
04	TEMPERATURE (Max./Min)	Deg C	41/32		
05	RELATIVE HUMIDITY (Max./Min)	% RH	69/42		
06	SAMPLING DURATION	Hrs	24		
07	PM <sub>10</sub>	μ <b>g/m</b> ³	53.41	100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	μ <b>g/m</b> ³	22.76	60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	μ <b>g/m</b> ³	18.17	80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	μ <b>g/m</b> ³	26.48	80	IS 5182(part 6),2006
11	со	mg/m³	0.39	04	IS 5182 (part 10): 1999 (Reaffirmed 2003)



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12	Lead	μ <b>g/m</b> <sup>3</sup>	BDL	1.0	IS 5182 (Part 22) :2004
13	NH <sub>3</sub>	μ <b>g/m</b> ³	BDL	400	CPCB Guidelines Volume – I Pg. No. 35
14	Ozone	μ <b>g/m</b> ³	BDL	100	IS 5182(part 9),1974, RA 2009
15	Benzene	μ <b>g/m</b> <sup>3</sup>	BDL	05	IS 5182 (part 11): 2006
16	Benzo(a)Pyrene	ng/m³	BDL	01	CPCB Guidelines Volume – I Pg. No. 39
17	Arsenic	ng/m³	BDL	06	CPCB Guidelines Volume – I Pg. No. 47
18	Nickel	ng/m³	BDL	20	CPCB Guidelines Volume – I Pg. No. 47

## REMARK/OBSERVATIONS:

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Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

		TIO/LAD/NADL/T/T.O.Z.T
CLIENT'S NAME & ADDRESS	REPORT NO.	HS/LAB/AA/01374
M/s Grace Industries Ltd. Plot	REPORT DATE	10/05/2022
No. A-24 And A-30, MIDC Area,	LAB REFERENCE NO.	HS/LAB/AA/ET035
Tadali Growth Centre Tadali,	SAMPLING DATE	02&03/05/2022
Chandrapur.	SAMPLE RECEIPT DATE	05/05/2022
•	START DATE OF ANALYSIS	05/05/2022
	END DATE OF ANALYSIS	09/05/2022
	SAMPLING REF. / SOP NO.	

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Envirotech Research Pvt. Ltd.	Plastic Bottles & Bags		Nort East corner A-24

	<u>KESSETS</u>						
SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE		
01	DATE OF SAMPLING	DD/MM/YY	02&03/05/2022				
02	TEST LOCATION		Nort East corner A-24				
03	TIME OF SAMPLING	Hrs	01:00	1			
04	TEMPERATURE (Max./Min)	Deg C	41/32				
05	RELATIVE HUMIDITY (Max./Min)	% RH	69/42				
06	SAMPLING DURATION	Hrs	24				
07	PM <sub>10</sub>	μ <b>g/m</b> ³	51.64	100	IS 5182(part 23),2006		
80	PM <sub>2.5</sub>	μ <b>g/m</b> ³	25.71	60	CPCB Guidelines Volume – I Pg. No.15		
09	SO <sub>2</sub>	μ <b>g/m</b> ³	19.41	80	IS 5182(part 2),2001, RA 2006		
10	NO <sub>2</sub>	μ <b>g/m</b> ³	26.75	80	IS 5182(part 6),2006		
11	со	mg/m³	0.33	04	IS 5182 (part 10): 1999 (Reaffirmed 2003)		



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12	Lead	μ <b>g/m</b> <sup>3</sup>	BDL	1.0	IS 5182 (Part 22) :2004
13	NH <sub>3</sub>	μ <b>g/m</b> ³	BDL	400	CPCB Guidelines Volume – I Pg. No. 35
14	Ozone	μ <b>g/m</b> ³	BDL	100	IS 5182(part 9),1974, RA 2009
15	Benzene	μ <b>g/m</b> <sup>3</sup>	BDL	05	IS 5182 (part 11): 2006
16	Benzo(a)Pyrene	ng/m³	BDL	01	CPCB Guidelines Volume – I Pg. No. 39
17	Arsenic	ng/m³	BDL	06	CPCB Guidelines Volume – I Pg. No. 47
18	Nickel	ng/m³	BDL	20	CPCB Guidelines Volume – I Pg. No. 47

## REMARK/OBSERVATIONS:

Monitoring results are well within the limits prescribed by NAAQS. Above parameters are monitored and analyzed on the basis of NAAQS manual Volume I, 2011.

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For HORIZON SERVICES

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