



TAMILNADU POLLUTION CONTROL BOARD

From
A. Balasubramaniam,
Deputy Chief Scientific Officer,
District Environmental Laboratory
Tamil Nadu Pollution Control
Board, HOSUR – 635126

To
M/s. Harita Fehrer Limited,
S.F.No.28/1,28pt,30pt,34pt,35pt,36pt,38/1pt,39pt,
Belagondapalli Village,
Denkanikottai Taluk,
Krishnagiri Dt.

Lr.No.TNPCBd/DEL-HSR/Air Survey/F.H2 /2021-2022, Dt. 30.06.2021.

Sir,

Sub : Furnishing of Report of Analysis of Ambient Air Quality / Stack Monitoring / Ambient Noise Level Survey – Reg.

Ref : 1. This Office Lr.No. DEL / HSR / AAQS / F.No.H - 2 / 2021-22 / Dt:23.06.2021
2. Your Lr.No.-----dt.-----
3. Cash Receipt No. 12148 dt. 02/07/21 Rs.43,500/-

I am sending herewith the Report of Analysis of Ambient Air Quality / Stack Monitoring/ Ambient Noise Level Survey conducted in the vicinity of your industry on 28.06.2021 with invoice for RS. **43,500/-** (Rupees **Forty Three Thousand and Five Hundred** only) towards the above survey / analysis charges, and the same has been adjusted vide reference (3) cited.

Kindly acknowledge the receipt of the above without fail.

A. Balasubramaniam
**Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.**

Encl.: As above.

Copy submitted to:

1. The District Environmental Engineer, TNPCBd, Hosur for favour of kind information please.
2. Copy to file.



TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Hosur .
AMBIENT AIR QUALITY SURVEY – Report of Analysis

Report No. 011/ AAQS/2021-2022

Date:30.06.2021.

1. Name of the Industr : M/s. M/s.Harita Fehrer Limited
2. Address of the Industry : Belagondapalli ,ThallyRoad,Hosur – 635 114.
3. Date of Survey : 28.06.2021
4. Duration of Survey : 8 Hours
5. Category : Orange/Large
6. Land Use Classification : Industrial

Ambient Temperature (⁰ C)	Min 26	Max 29	Relative Humidity (%)	Min 59	Max 86
Weather Condition	Cloudy		Rain Fall(mm)	NIL	
Predominant WindDirection	NW - SE		Mean Wind Speed (km/hr)	--	

Ambient Air Quality Survey Results

Sl. No.	Location	Directio n	Distance (m) *	Height Form GL (m)	Pollutants Concentration (microgram / m ³)		
					PM 10	SO ₂	NO ₂
1	On the top of Scaffolding near Old Naga Temple	NE	134	2.0	44	11	14
2	On theTop of the Scaffolding near Scrap yard	SE	125	2.0	56	14	18
3	On top of the Scaffolding near LFI area	SW	112	2.0	46	12	14
4	Top of the Scaffolding near Car parking	NW	110	2.0	40	08	12

A. Balasub
11/2/21

**Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.**

Test Performed	Test Method
PM10	IS 5182 : (Part 23) – 2006
SO2	Modified West – Graeke / IS 5182 : (Part 2) – 2001 RA: 2012
NOx	Jacobs – Hochheiser / IS 5182 : (Part 6) – 2006 RA:2012



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Hosur

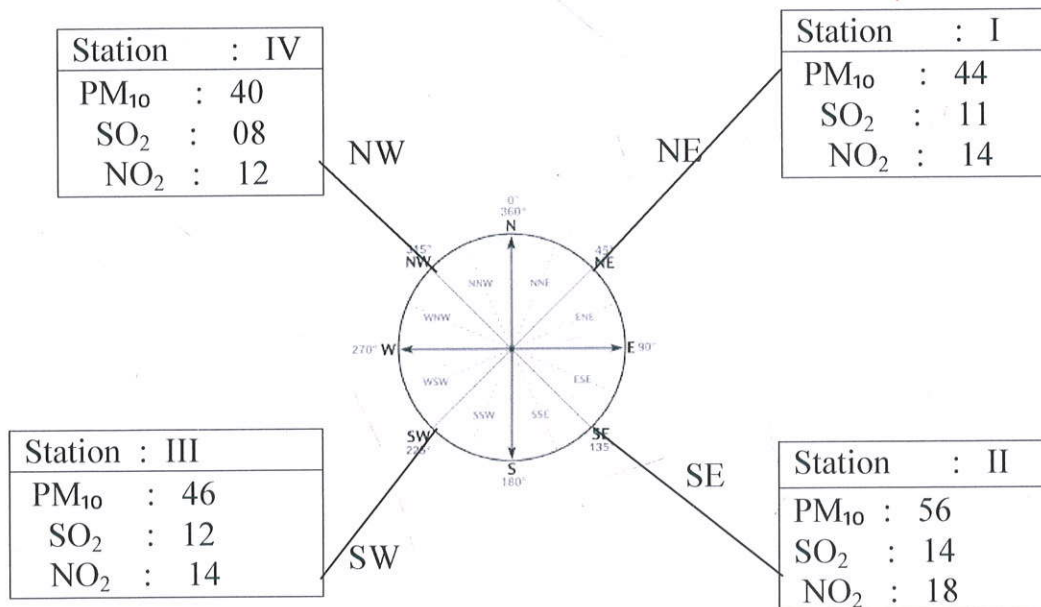
AMBIENT AIR QUALITY SURVEY

Schematic Diagram Showing Location of Sampling

Report No.011 /AAQ/SM/2021 -2022

Name and Address of the Industry : M/s.Harita Fehrer Limited
Belagondapalli ,ThallyRoad,Hosur – 635 114.

Date of Survey : 28.06.2021



Note: All the values are expressed in and restricted to sampling period of 8 hours.

Meteorological Conditions:	
Predominant Wind Direction	NW –SE
Wind Speed	----
Weather Condition	Cloudy
Rainfall	Nil

A. Babu
Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur



TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Hosur

STACK MONITORING SURVEY – Report of Analysis

Report No.011/ SM/2021-2022 Date:30.06.2021.

1. Name of the Industry : M/s.HaritaFehrer Limited
2. Address of the Industry : S.F.No.28/1,28pt,30pt,34pt.35pt,36pt,38/1pt,39pt,
BelagondapalliVillage,DenkanikottaiTaluk,Krishnagiri Dt.
3. Date of Survey : 28.06.2021
4. Type of Industry : Automobile Industry

Stack Monitoring Survey Results

Sl. No.	Stack attached to	Stack .Temp °C	Velocity in (m/ sec)	Discharge rate In Nm ³ /Hr	Pollutants (mg / Nm ³)			
					PM	SO ₂	NO _x	MDI
1	Long Fiber Injection (New)	29	6.2988	15532	(-)	(-)	(-)	0.028
2	KUKA Line Foam Exhaust	32	11.1546	24969	(-)	(-)	(-)	0.012
3	Arm Pad Manufacturing	30	11.9359	26894	(-)	(-)	(-)	0.008

Test Performed	Test Method
PM	IS 11255: (Part 1) – 1985
SO ₂	IS 11255: (Part 2) – 1985
NO _x	IS 11255: (Part 7) – 2005

A. Balam
Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Hosur

Stack Details

Report No. 011 /AAQ/SM/2021 – 2022

1. Name and Address of the Industry : M/s. Harita Fehrer Limited
S.F.No.28/1,28pt,30pt,34pt.35pt,36pt,38/1pt,39pt,
Belagondapalli Village, Denkanikottai Taluk, Krishnagiri Dt.
2. Date of Survey : 28.06.2021

Sl. No.	Particulars	1	2
1.	Stack attached to	LFI (New)	KUKA Line Foam Exhaust
2.	Details of process stack	PU Foam	PU Foam
3.	Height from G Level in (m)	10.5	10.5
4.	Diameter in (m)	0.94	0.90
5.	Port hole height from Ground Level or bends or ducts in (m)	6.5	6
6.	Fuel Used (with % Sulphur content)	---	---
7.	Fuel Consumption rate per day (mention units)	---	---
8.	Boiler type and capacity	---	---
9.	APC Measures provided	Scrubber	Scrubber
10.	APC functional status	Functioning	Functioning
11.	Composition of flue gas	CO %	--
		CO ₂ %	--
		O ₂ %	--
12.	Moisture content in %	--	--
13.	Ambient temp in °K	302	302
14.	Temp of flue gas in °K	302	305
15.	Velocity of flue gas in m/sec	6.2988	11.1546
16.	Volume of flue gas sampled in m ³	1.008	1.008
17.	Gaseous Discharge rate per hr in Nm ³ /Hr	15532	24969
18.	Combustion efficiently %	--	--

A. Babu
Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Hosur

Stack Details

Report No. **011 /AAQ/SM/2021 – 2022**

1. Name and Address of the Industry : M/s.Harita Fehrer Limited
S.F.No.28/1,28pt,30pt,34pt.35pt,36pt,38/1pt,39pt,
Belagondapalli Village, ,
Denkanikottai Taluk Krishnagiri Dt.
2. Date of Survey : 28.06.2021

Sl. No.	Particulars	3
1.	Stack attached to	Arm Pad Manufacturing
2.	Details of process stack	PU Foam
3.	Height from G Level in (m)	10.5
4.	Diameter in (m)	0.90
5.	Port hole height from Ground Level or bends or ducts in (m)	7.0
6.	Fuel Used (with % Sulphur content)	---
7.	Fuel Consumption rate per day (mention units)	---
8.	Boiler type and capacity	---
9.	APC Measures provided	Scrubber
10.	APC functional status	Functioning
11.	Composition of flue gas	--
		--
		--
12.	Moisture content in %	--
13.	Ambient temp in °K	302
14.	Temp of flue gas in °K	303
15.	Velocity of flue gas in m/sec	11.9359
16.	Volume of flue gas sampled in m ³	1.056
17.	Gaseous Discharge rate per Hr in Nm ³ /Hr	26894
18.	Combustion efficiently %	--

A. Balasubramanian
11/3/21
Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCCB / Hosur.



TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Hosur.

STACK MONITORING SURVEY – Additional details

Report No. 011/ SM/2021-2022

Date:30.06.2021.

1. Name of the Industry : M/s.Harita Fehrer Limited
2. Address of the Industry : S.F.No.28/1,28pt,30pt,34pt.35pt,36pt,38/1pt,39pt,
BelagondapalliVillage,
DenkanikottaiTaluk,
Krishnagiri Dt.
3. Date of Survey : 28.06.2021
4. Type of Industry : Automobile

Stack Monitoring Additional details

Sl. No	Details of stack mentioned in the Air Consent order	Details of stack available and in working condition	Details of stack for which stack Emission sampling have been done	Justification for the left out of stack Emission Sampling
1	Long Fiber Injection (New)	PU Foam Working Condition	MDI Sampling done	----
2	KUKA Line Foam Exhaust	PU Foam Working Condition	MDI Sampling done	----
3	Arm Pad Manufacturing	PU Foam Working Condition	MDI Sampling done	----

A. B. Jom
Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.



TAMIL NADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Hosur .

AMBIENT/SOURCE NOISE LEVEL SURVEY - Report of Analysis

Report No.011 / NLS/2021-2022

Date:30.06.2021

1.	Name of the Industry	M/s.HaritaFehrer Limited		
2.	Address of the Industry	S.F.No.28/1,28pt,30pt,34pt.35pt,36pt,38/1pt,39pt, BelagondapalliVillage,DenkanikottaiTaluk,Krishnagiri Dt.		
3.	Date of Survey	28.06.2021		
Category		Orange / Large	Land use Classification	Industrial
Type of Survey		Ambient	Time of Survey	Day
Meteorological conditions		Calm		

Logging Parameters

Instrument Used	Casella Technologies	Serial No	C8110029		
Logging Interval	10 Minutes each point	Measuring Range	50 - 110		
Weighting	"A"	Peak Weighting	"C"	Time Weighting	FAST
Sound Incidence	RANDOM		Time in hrs	15.40 Hrs	

Report of Noise Level Monitoring

Sl No	Location	Duration (min)	Distance (M)	Direction	Sound Level – dB (A)					
					L _{eq}	L ₉₀	L ₅₀	L ₁₀	Min	Max
1	Behind Fence	10	230	N	51.2	47.0	50.5	54.0	45.2	55.7
2	Behind Fence	10	320	NE	49.2	45.0	46.5	50.5	43.2	59.8
3	Behind Fence	10	210	SE	53.4	52.0	53.0	55.0	51.5	55.9
4	Near Car Parking	10	310	SW	59.4	58.0	59.5	60.5	57.0	60.9
5	Behind Security gate	10	275	NW	52.0	45.0	49.5	55.5	44.2	61.4

Note:L90 Value refers to background noise: L50 Value refers to mean noise.L10 value refers to nuisance or annoyance level :Leq value is the average energy for the measured period

A. B. S. S. S.
Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.



TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Hosur
General Particulars

Report No.011./AAQ/SM/2021-2022

Name and Address of the Industry :M/s.HaritaFehrer Limited
S.F.No.28/1,28pt,30pt,34pt.35pt,36pt,38/1pt,39pt,
Belagondapalli Village,
DenkanikottaiTaluk,Krishnagiri Dt.

Date of Survey : 28.06.2021

S.No.	Particulars	
1.	Process Description	Manufacturing of Seats for automative components and physical fitness equipments, Polyurethane composite parts(LFI) Microcellular urethane (MCU), Foam pads for automotive industrial applications
2.	Emission Sources	Foaming & DG
3.	Fugitive Emission Sources	Foaming & DG
4.	Raw Material Consumptions	Polyol, MDI, TDI Blend.
5.	Production Capacity as per Air Consent order No. & Date	1.Seats for automative and physical Fitness equipments – 7500000 Nos / Year 2.Plyurethene Composite parts – 1500 Tons / Year 3.Micro Cellular urethane (MCU) – 200 Tons / year 4.Foam Pads for automative Industrial application – 7250 T / Year 2007226866302 /dt : 14.09.2020
6.	Production on the day of Survey	1.7800 Nos 2. 0.6 Ton 3. 0.1 Ton 4. 6.8 Tons
7.	Percent production with respect to Air Consent Order	
8.	Air Consent Order No. Validity upto 31 st March 20.....	2007226866302 /dt : 14.09.2020 valid upto 31.03.2022
9.	Details of APC measures	1.Wet Scrubber Provided for LFI 2. Dry Scrubber with activated carbon Provided for GMA,HK,KUKA, Arm pad and micro cellular urethane
10.	Functional Status of APC measures	Functioning
11.	Compliance with Consent Conditions	Compliance
12.	Field Observations	-----

A. Balaji
Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.



TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Hosur.

INFERENCE REPORT ON AAQS/ S.M.

1. Name of Industry : M/s. Harita Fehrer Limited
S.F.No.28/1,28pt,30pt,34pt.35pt,36pt,38/1pt,39pt,
Belagondapalli Village,
Denkanikottai Taluk, Krishnagiri Dt.
2. Pollution Category : Orange – Large
3. Date of A.A.Q. Survey : 28.06.2021
4. Predominant Wind Direction : North West to South East
5. Weather condition : Clear Sky

STATUS OF POLLUTANTS LEVEL

I. AMBIENT AIR QUALITY :-

1. Total No. of A.A.Q. stations monitored : 4
2. No. of A.A.Q. stations in which Pollutants
Level exceeded the Boards standards : NIL

Maximum and Minimum values of Pollutants Level observed:

Sl. No	POLLUTANT	Values in microgram/m ³		BOARD'S STANDARD (As per consent order)
		Maximum	Minimum	
1.	PM ₁₀	56	40	100
2.	<u>GASEOUS POLLUTANTS:-</u>			
	(i) SO ₂	14	08	80
	(ii) NO ₂	18	12	80

II. STACK MONITORING:-

1. Total No. of Stacks Monitored : 3
2. No. of Stacks in which Pollutants level
Exceeded the Boards standards : Nil

A. B. Jeyaraj
11/2/21
**Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.**



TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Hosur.

BILL

Report No.011./AAQ/SM/2021 - 2022

To.

M/s.HaritaFehrer Limited

S.F.No.28/1,28pt,30pt,34pt.35pt,36pt,38/1pt,39pt,

BelagondapalliVillage,DenkanikottaiTaluk,Krishnagiri Dt.

Bill No.	011/2021-2022
Date	30.06.2021

Ref: 1. B.PMs.No.6 Dt.31.03.2009.

2. This Office Lr.No. DEL / HSR / AAQS / F.No.H - 2 / 2021-22 /Dt:23.06.2021

3. Your Lr.No. -----dt.-----.

4. Cash Receipt No: dt. Rs.43,500/-

Sl. No	Description	No. of Stations	Rate (Rs.)	Amount (Rs).
1.	Ambient Air Quality Survey – PM ₁₀ (Sampling)	4	2,000.00	8000.00
2.	Stack Monitoring – PM, SO ₂ , NO _x ,	3	7,500.00	22500.00
3.	Analysis Charges – PM ₁₀	4	600.00	2400.00
4.	Analysis Charges – Sulphur dioxide	4	600.00	2400.00
5.	Analysis Charges – NO ₂ & Nitrogen Oxides	4	600.00	2400.00
6.	Analysis Charges – MDI	3	600.00	1800.00
7.	Ambient Noise Level testing charges (First 5 Points)	1 st 5 points	4,000.00	4000.00
Total				43500.00
Less: Advance – Vide CR No: Dt:				43500.00
Advance Vide & Report No: Dt:				NIL
Balance to be paid				NIL
Excess payment with TNPCB				NIL

A. Balasubramanian
Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.