

BEFORE THE NATIONAL GREEN TRIBUNAL (SZ) CHENNAI
MEMORANDUM OF APPEAL
(Under 16(a) r/w 18(1) of the National Green Tribunal Act, 2010)

Appeal No. 36 of 2022

1. Disha-A-Life School,
Represented by its Correspondent
2. Dr. D.Muthukumaraswamy
Farmer

...Appellants

Vs.

1. Hitech Die Cast (P) Ltd.,
Represented by its Director
2. Unicast Alloys Pvt. Ltd.,
Rep.by its Director, Mr.Vasudevan
And 4-Others

...Respondents

INDEX TO TYPED SET OF PAPERS
FILED BY 1st and 2nd RESPONDENT

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It is certified that the above mentioned documents are true copy of the original documents.

Dated at Chennai on this the 1st day of January, 2023


COUNSEL FOR 1ST & 2ND RESPONDENT

அனுப்புநர் :

மோகன்ராஜ்

தி/கா தங்கவேல்,

NO: 2/100, தெற்கு கோட்டம்,

புலணிக்கவுண்டன் புதுர்,

திர்ளக்காபாளையம்,

பெள்ளாளச்சி (T.K)

கோயம்புத்தூர் (D.T) 642002

பெறுநர் :

உயர் திரு மெலமார் அவர்கள்,

புன்காஸ்டர் அவ்வாயல் (பி)லிட

ஆச்சுபட்டி திரும்பபாளையம் ஊராட்சி

பெள்ளாளச்சி (T.K) கோயம்புத்தூர் (D.T) 642002

ஐயா,

எனது விவசாய நிலம் மேற்படி திர்ளக்காபாளையம் க.ச ரீண் 181/B ரீண்ற சீரேவ திளத்தில் ஏதண்ணை லாருக்கர். வைத்து விவசாயம் செய்கு வடுகிறேன்.

எனது மேற்படி திளத்தில் ஏதண்ணை லாருக்கருக்கு திடந்த 3 வடுகருக்கு திண்டி உருகளது ஏதாடிந்ரணையல் பவண்படுத்தில் மேல்புது மண்ணை திரிபுடித்தல் செய்கு வைக்கவும், லாருகில் ஏதண்ணை லாருத்திண் வசடிப்பக்காகவும் பவண்படுத்தி வடுகிறேன்

கிந்தி மேல்புது மணல் பவண்படுத்திய பிறகு ஏதண்ணை லாருத்திண் மகிசுல் மகிசுல் திரும்புத்தி அரித்தில் படி உள்ளது.

மேலும் சூன்சரிசன் ஆவையுமே குறைத்து உங்கதி.
 சிலவே மீண்டும் எனது ஆவையக்காக உங்கதி
 குறைந்தபடியில் பயன்படுத்தும் போன்றது மண்ணை
 சாக்கி குறைக்கிறாது கிதன் சேலம் குறைப்படுத்திக்கொள்கிறேன்

கிந்த போன்றது மண்ணை எனது குறைந்தபடியில்
 மட்டும் நான் பயன்படுத்தி உருக்கிறேன் சாப்பிடுகிறேன்
 சேலம் குறைத்துக்கொள்கிறேன்

107. 10/11/2018/2018
 கிப்பயக்கி,



கந்தசாமி அவர்கள் மகன் K.பாலசுப்பிரமணியம்(வயது58),
வடக்குதோட்டம் SF NO:228/2

CLAIMED BY HIM AS BARREN LAND IN
HIS LETTER FILED AT NGT

For UNICAST ALLOYS (P) LTD.,

V. Sivakumar

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





கந்தசாமி அவர்கள் மகன் K.பாலசுப்பிரமணியம்(வயது58),
வடக்குதோட்டம் SF NO:228/2

For UNICAST ALLOYS (P) LTD.,

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GSTIN : 33AAACU2426P1Z8





கந்தசாமி அவர்கள் மகன் K.மயில்சாமி (வயது62),
கதவு எண் 1/15

For UNICAST ALLOYS (P) LTD.,

V. Sivakumar

**V. SIVAKUMAR
DIRECTOR**

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8



UNICAST ALLOYS PRIVATE LIMITED

Registered Office & Factory
Achipatti P.o. Pollachi - 642 002
Coimbatore Dist. Tamil Nadu, India
Phone : 91 4259 259306
98423 21583

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கந்தசாமி அவர்கள் மகன் K.மயில்சாமி (வயது62),
கதவு எண் 1/15

For UNICAST ALLOYS (P) LTD.,

V. Sivakumar

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





ராமசாமி அவர்கள் மனைவி R.நஞ்சம்மாள் வசவன் கோவில்
தோட்டம் கதவு எண் 1/76

For UNICAST ALLOYS (P) LTD.,

V. Sivakumar

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





ராமசாமி அவர்கள் மனைவி R.நஞ்சம்மாள் வசவன் கோவில்
தோட்டம் கதவு எண் 1/76

For UNICAST ALLOYS (P) LTD.,

V. Sivakumar

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





Paved Concrete Road For The Entire Vehicle Movement Area To Control The Fugitive Emission

For UNICAST ALLOYS (P) LTD.,

**V. SIVAKUMAR
DIRECTOR**

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





Paved Concrete Road For The Entire Vehicle Movement Area To Control The Fugitive Emission

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





Paved Concrete Road For The Entire Vehicle Movement Area To Control The Fugitive Emission

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





From Eastern Side Road Entire Factory View.

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





From Eastern Side Road Entire Factory View.

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





From Eastern Side Road Entire Factory View.

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





From Eastern Side Road Entire Factory View.

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





From Eastern Side Road Entire Factory View.

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





Black Sand Removal Area Green Belt - 2

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





Southern Side Green Belt With Plant View

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





Black Sand Removal Zone Southern Side With Plant View

For UNICAST ALLOYS (P) LTD.,

V. SIVAKUMAR
DIRECTOR

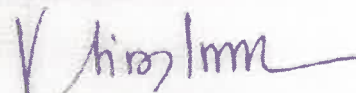
e-mail : uc@unitedgroupcompanies.com
GSTIN : 33AAACU2426P1Z8





Paved Concrete Road For The Entire Vehicle Movement Area To Control The Fugitive Emission

For HI-TECH DIE CAST (P) LTD.,

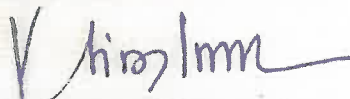


Authorised Signatory



Paved Concrete Road For The Entire Vehicle Movement Area To Control The Fugitive Emission

For HI-TECH DIE CAST (P) LTD.,



Authorised Signatory

A.MADASAMY
Proprietor

MADHUBALAN TRANSPORTS

Ph. 9489233753
Ph.: 9500597558

Okklipalayam, Shanmuga Nagar, Otthakalmandabam,
Coimbatore - 32

01.10.2022

22

To,

Hi-tec Die Cast Pvt. Ltd.
Palanigounden pudur pirivu,
Achipatti (PO)
Pollachi-642002

Sub: Foundry used sand removal – Reg

Sir,

This is to confirm that, with effective from 03.10.2022 we have agreed to remove the used mold sand from your premises for the use of our customers for different purposes.

Thanking You

Yours Faithfully

For MADHUBALAN TRANSPORT


Proprietor

A.MADASAMY
Proprietor

MADHUBALAN TRANSPORTS

Ph. 9489233753
Ph.: 9500597558

Okklipalayam, Shanmuga Nagar, Otthakalmandabam,
Coimbatore - 32

01.10.2022

23

To,

Unicast Alloys Pvt. Ltd.
Palanigounden pudur pirivu,
Achipatti (PO)
Pollachi-642002

Sub: Foundry used sand removal – Reg

Sir,

This is to confirm that, with effective from 03.10.2022 we have agreed to remove the used mold sand from your premises for the use of our customers for different purposes.

Thanking You

Yours Faithfully

For MADHUBALAN TRANSPORT


Proprietor



Date: 05.01.2023

To,

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
Coimbatore South Office,
Plot No.E-55A, SIDCO Industrial Estate,
Pollachi main Road, Kurichi,
Coimbatore - 641021

Sir,

Sub:

TNPCB - Industries - M/s.Hi-Tec Die Cast Private Limited, SF.No.77/1,77/2&101(Part),
Kurumbapalayam Village, Pollachi Taluk, Coimbatore District - Directions issued under Section 31A
of the Air (P&CP) Act, 1981 as amended - Report Submitted Regarding

Ref:

- 1.) Proceeding NO:TNPCB/T2/F.002264/Directions/Air/2022, dated : 11.10.2022
- 2.) Appeal No.36/2022 filed before Hon'ble NGT (SZ) by Disha - A Life School & PKD College,
Kurumbapalayam Village, Pollachi Coimbatore District.
- 3.) Joint Committee Inspection report dated 01.10.2022
- 4.) Our letter dated 31-10-22



The following directions by TNPCB and our compliance/course of action is given below for your kind reference.

S.No.	Compliance	Course of action
1.	The unit shall operate and maintain the Air Pollution Control measures continuously and efficiently so as to satisfy the AAQ/Emission standards prescribed by the Board.	We are already maintaining the Air Pollution Control measures continuously and efficiently as per TNPCB norms and we assure you we will strictly adhere the AAQ/Emission standard as prescribed by the Board.
2.	The unit shall explore the possibilities to provide paved road for the entire vehicle movement area to control the fugitive emission from its premises.	We have laid the paved road for the entire vehicles movement area, and deployed road sweepers to control the fugitive emission from the premises. <i>Photograph of the paved roads laid and road sweepers are attached.</i>
3.	The unit shall provide CCTV camera focusing the stacks of the unit with 3 month recording facility and connect the same to the local TNPCB office for monitoring.	We have already completed providing CCTV camera focusing the stacks of the unit with 3 month recording facility and connected the same to the local TNPCB office for monitoring, providing user name and password as below, User Name : hitech@unitedgroupcompanies.com Password : HITECH@POLL123 This has been completed & communicated vide our letter dated 31-10-22
4.	The unit shall ensure good quality of scraps shall be used for melting activity.	We are already maintaining the use of good quality of scraps as advised by the TNPCB Board.
5.	The unit shall provide silos/closed shed for storage of waste sand generated in its premises. The unit shall avoid dumping the waste sand on open land.	We dispose the used sand immediately as and when same is generated through M/s.MADHUBALAN TRANSPORTS. In this regard letter from M/s.MADHUBALAN TRANSPORT is attached and we do not keep any stock in the open land.

Kindly note for the last 30 years from the establishment of our foundries Air & Water Lab reports confirm we are well within the norms prescribed by TNPCB.

hi-tec

HI-TEC DIE CAST PRIVATE LIMITED

The recent AAQ test reports one time in 2021 & one time in 2022 also confirmed that we are well within the norms as prescribed by TNPCB. The dates of test reports is given below,

AAQ tests 202125 & 26th Jan 2021*Reports attached***AAQ tests 2022**04th & 05th March 2022

Note: We kindly inform you that the tests were conducted during the East wind directions, that is October to April

Please also note that we have also paid the fees to PCB to conduct test during Jan'23 (Vide DD No. 179323, dated : 02-01-23)

Also please note we have completed all the recommendations made by the PCB Committee visited earlier on 30.11.2021.

We are willing to implement any other suggestions by TNPCB in near future.

Thanking you

Yours faithfully

For Hitech Die Cast (P) Ltd.,

Authorized Signatory

UNICAST ALLOYS PRIVATE LIMITED

Registered Office & Factory
 Achipatti P.o. Pollachi - 642 002
 Coimbatore Dist. Tamil Nadu, India
 Phone : 91 4259 259306
 98423 21583

Date: 05.01.2023

To,

The District Environmental Engineer,
 Tamil Nadu Pollution Control Board,
 Coimbatore South Office,
 Plot No.E-55A, SIDCO Industrial Estate,
 Pollachi main Road, Kurichi,
 Coimbatore - 641021.

Sir,

Sub:

TNPCB - Industries - M/s.Unicast Alloys Private Limited, S.F.No.98/1D,100 & 101 (Part), 78/1A, 78/3A, 98/3A, Kurumbapalayam Village, Pollachi Taluk, Coimbatore District - Directions issued under Section 31A of the Air (P&CP) Act, 1981 as amended - Report Submitted Regarding

Ref:

- 1.) Proceeding NO:TNPCB /T2/F.002264/Directions/Air/2022. dated : 11.10.2022.
- 2.) Appeal No.36/2022 filed before Hon'ble NGT (SZ) by Disha - A Life School & PKD College, Kurmbapalayam Village, Pollachi, Coimbatore District.
- 3.) Joint Committee Inspection report dated 01.10.2022.
- 4.) Our letter dated 31-10-22

The following directions by TNPCB and our compliance/course of action is given below for your kind reference

S.No.	Compliance	Course of action
1.	The unit shall operate and maintain the Air Pollution Control measures continuously and efficiently so as to satisfy the AAQ/Emission standards prescribed by the Board.	We are already maintaining the Air Pollution Control measures continuously and efficiently as per TNPCB norms and we assure you we will strictly adhere the AAQ/Emission standard as prescribed by the Board.

Corporate Office : Flat 104, C-Block, Pioneer Apartments, 1075, Avinashi Road,
 Coimbatore - 641 018. Phone : 4216681

e-mail : uc@unitedgroupcompanies.com

GSTIN : 33AAACU2426P1Z8

CIN : U27101TZ1990PTC002813



UNICAST ALLOYS PRIVATE LIMITED

Registered Office & Factory
Achipatti P.o. Pollachi - 642 002
Coimbatore Dist. Tamil Nadu, India
Phone : 91 4259 259306
98423 21583

2.	The unit shall provide completely paved road for the entire vehicle movement area and shall deploy road sweepers to control the fugitive emission from its premises.	We have laid the paved road for the entire vehicles movement area, and deployed road sweepers to control the fugitive emission from the premises. <i>Photograph of the paved roads laid and road sweepers are attached.</i>
3.	The unit shall provide compound wall with steel cladding of 20 feet height for the entire western side of the machine shop located adjacent to the school boundary.	We have provided compound wall with steel cladding of 20 feet height for the entire side of the machine shop located adjacent to the school boundary. <i>Photos are attached.</i>
4.	The unit shall either completely reuse the dumped waste mould sand within the premises or dispose it to the Common Waste Mould Sand Reclamation unit or for other beneficial uses.	We are disposing the used sand outside through MADHUBALAN TRANSPORT. In this regard letter from M/s.MADHUBALAN TRANSPORT is attached. We dispose the used sand immediately as and when same is generated and we do not keep any stock in the open land
5.	The unit shall provide CCTV camera focusing the stacks of the unit with 3 month recording facility and connect the same to the local TNPCB office for monitoring.	We have already completed providing CCTV camera focusing the stacks of the unit with 3 month recording facility and connected the same to the local TNPCB office for monitoring, providing user name and password as below, User Name : UNICAST POLLACHI Password : UNICAST@POLL123 This has been completed & communicated vide our letter dated 31-10-22
6.	The units shall explore the possibilities of providing common waste sand reclamation plant using advanced techniques.	For the green mould used sand no common waste reclamation plant is available. Also the agriculturists nearby our factory using our sand for their coconut farms for retention of water in their lands and also for better yield. <i>Enclosed letter & photos</i> Also as mentioned under point no.4, we dispose the sand through M/s.MADHUBALAN TRANSPORT as and when the same generated and we do not

Corporate Office : Flat 104, C-Block, Pioneer Apartments, 1075, Avinashi Road,
Coimbatore - 641 018. Phone : 4216681

e-mail : uc@unitedgroupcompanies.com

GSTIN : 33AAACU2426P1Z8 CIN : U27101TZ1990PTC002813



UNICAST ALLOYS PRIVATE LIMITED

Registered Office & Factory
 Achipatti P.o. Pollachi - 642 002
 Coimbatore Dist. Tamil Nadu, India
 Phone : 91 4259 259306
 98423 21583

		keep any stock in the open land
7.	The unit shall provide silos/ closed shed for storage of waste sand generated in its premises and to dispose further. The unit shall avoid dumping the waste sand on open land.	As stated under point no.4 & 6, we dispose the used sand immediately as and when same is generated and we do not keep any stock in the open land.

Kindly note for the last 30 years from the establishment of our foundries Air & Water Lab reports confirm we are well within the norms prescribed by TNPCB.

The recent AAQ test reports two times in 2021 & three times in 2022 also confirmed that we are well within the norms as prescribed by TNPCB. The dates of test reports is given below,

AAQ tests 2021	AAQ tests 2022
1) 29.01.2021	1) 03.03.2022
2) 14.12.2021	2) 17.08.2022
	3) 26.11.2022

Reports attached

Note: We kindly inform you that the tests were conducted during the east wind directions, that is October to April

Please also note that we have also paid the fees to PCB to conduct test during Jan'23 (Vide DD No. 179322, dated : 02-01-23)

Also please note we have completed all the recommendations made by the PCB Committee visited earlier on 30.11.2021.

We are willing to implement any other suggestions by TNPCB in near future.

Thanking you

For UNICAST ALLOYS (P) LTD.,

Yours faithfully


Authorised Signatory

Corporate Office : Flat 104, C-Block, Pioneer Apartments, 1075, Avinashi Road,
 Coimbatore - 641 018. Phone : 4218681

e-mail : uc@unitedgroupcompanies.com

GSTIN : 33AAACU2428P1Z8 CIN : U27101TZ1990PTC002813





TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

From
K.Selvaraj, M.Sc.,
Assistant Director (Lab)
Advanced Environmental Laboratory
Tamilnadu Pollution Control Board
No.5, Ramasamy Nagar, Kavundampalayam,
Coimbatore – 641 030.
Email – aelcbe@tnpcb.gov.in

To
M/s. Hitech Die Cast (P) Ltd.,
S.F.No.77/1, 77/2 &101part,
Kurumbapalayam Village,
Achipatti (Post),
Pollachi (Taluk),
Coimbatore (District).

Lr.No.TNPC Bd/AD (L)/AEL – CBE/AAOS & SM/F.No.P.7/2022 – 23, Dated 19.01.2023.

Sir,

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

- Ref:**
1. This office Lr.No.TNPC Bd/AD (L)/AEL-CBE/Air survey/F.No.P.7/22 –23, dated 11.08.2022.
 2. Your Letter No.Nil, dated 13.01.2023.
 3. Cash Receipt No.157359 dated 04.01.2023 for Rs.73,200/-

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 M/s. Hitech Die Cast Private Limited., on 12.01.2023 & 13.01.2023 with invoice for a sum of Rs.73,200 /- (Rupees seventy three thousand and two hundred only) towards the above survey / analysis charges, and the same has been adjusted with the advance fees received vide reference (3) cited.

Kindly acknowledge the receipt of the report without fail.

9/19.1.23
 Assistant Director (Lab),
 AEL – TNPCB – CBE.

Encl: As above.

Copy to:

1. The District Environmental Engineer, TNPCB, Coimbatore (South) for favour of kind information please.
2. Copy to file.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

TEST REPORT

ULR-TC702523000001443P

Report No.96/AEL – CBE/ AAQS/2022 – 2023, Dated 19.01.2023.

1. Name of the Industry : M/s.Hitech Die Cast (P) Ltd.,
2. Address of the Industry : S.F.No.77/1, 77/2 & 101part, Achipatti (Post),
Kurumbapalayam Village, Pollachi (Taluk), Coimbatore.
3. Date of Survey : 12.01.2023 & 13.01.2023.
4. Duration of Survey : PM₁₀ : 8 Hrs & PM_{2.5} : 24Hrs
5. Category : Orange/Large
6. Test Started on : 19.01.2023.
7. Test Completed on : 19.01.2023.
8. Matrix : Ambient Air Quality

Meteorological Conditions

Ambient Temperature (°C)	Min	Max	Relative Humidity (%)	Min	Max
	21.0	32.0		23	63
Weather Condition	Clear Sky		Rain Fall (mm)	--	
Predominant Wind Direction	North East → South West		Mean Wind Speed (km/hr)	--	

Ambient Air Quality Survey Results

Sl. No	Location	Direction *	Distance (m) *	Height Form GL(m)	Pollutants Concentration (microgram / m ³)			
					PM ₁₀	SO ₂	NO ₂	PM _{2.5}
1	On top of Scaffolding near Main entrance of M/s. Hitech Die cast (P) Ltd.,	North East	70	3.0	51.0	8.2	14.0	-
2	On top of Scaffolding near Worker's Rest Room Building of M/s. Hitech Die cast (P) Ltd.,	South East	110	3.0	63.0	9.5	17.2	-
3	On top of Scaffolding at South West side of Worker's Quarters of M/s.Unicast Alloys Private Ltd.,	South West	275	3.0	84.0	14.0	29.0	-
4	On top of Scaffolding at West side of the unit near Administrative office of M/s.Unicast Alloys Private Ltd.,	West	108	3.0	82.0	13.6	24.0	39.0
5	On top of Scaffolding near Main entrance of M/s.Unicast Alloys Private Ltd.,	North West	55	3.0	67.0	12.0	24.5	-

Note:- * With respect to major emission sources.

PM₁₀, SO₂ & NO₂ the analytical results are restricted to the sampling period of 8 hrs.

PM_{2.5} the analytical results for the sampling period of 24 hrs.

Test Performed	Test Method
PM ₁₀	IS 5182: (Part 23) – 2006
SO ₂	Modified West – Gaeke / IS 5182: (Part 2) – 2001 RA: 2012
NO ₂	Jacobs – Hochheiser / IS 5182: (Part 6) – 2006 RA: 2012

-- End of Report --

19/1.23
E.S

D.C.S.O

G. Selvaraj
Assistant Director (Lab),
AEL – TNPCB – CBE.

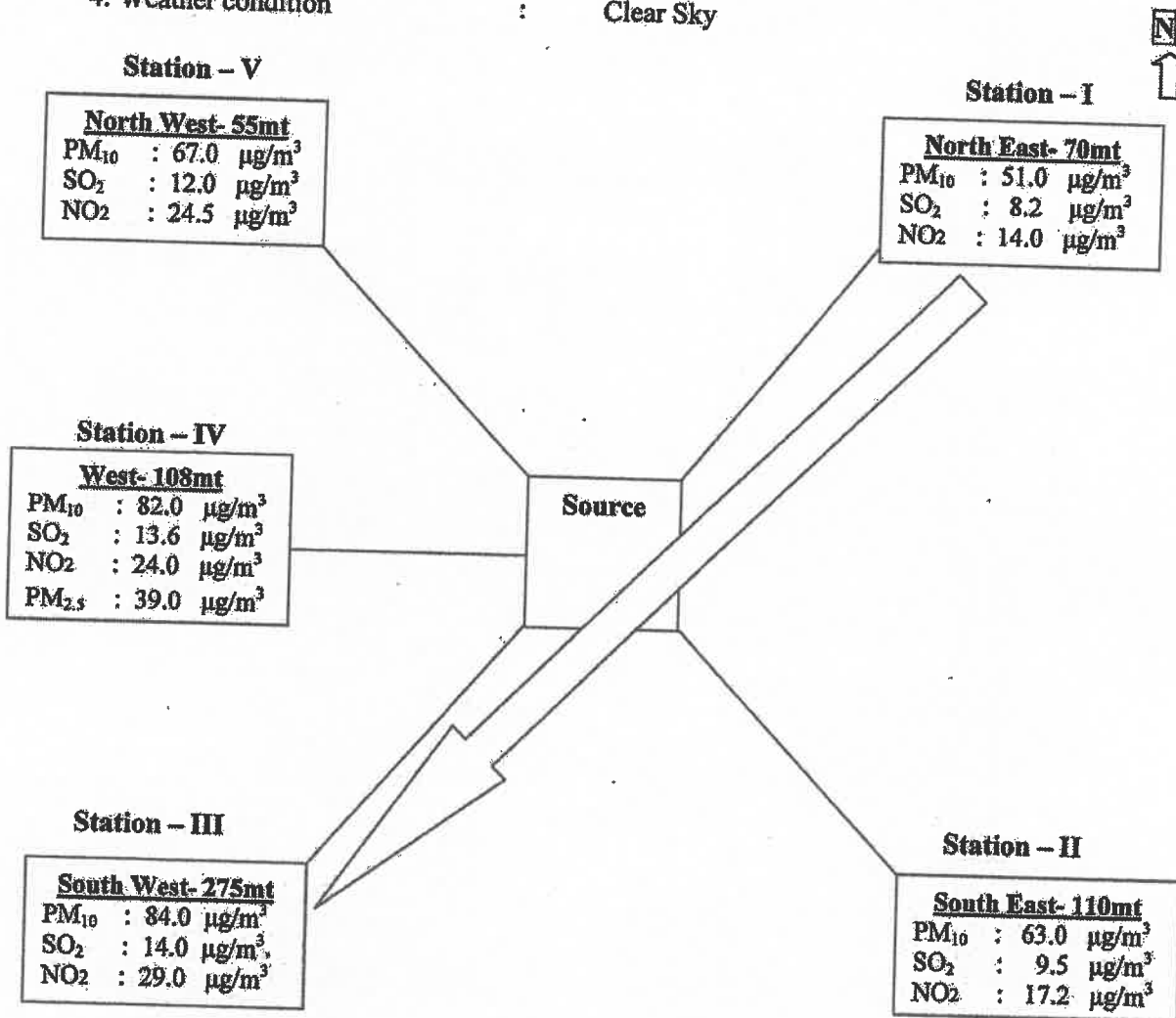


TAMILNADU POLLUTION CONTROL BOARD
 Advanced Environmental Laboratory, Coimbatore – 641 030.
AMBIENT AIR QUALITY SURVEY

Schematic Diagram Showing Location of Sampling

Report No.96/AEL – CBE/AAQ/SM/2022 – 2023, Dated 19.01.2023.

1. Name and Address of the Industry : M/s.Hitech Die Cast (P) Ltd.,
S.F.No.77/1, 77/2 & 101part, Achipatti (Post),
Kurumbapalayam Village,
Pollachi (Taluk), Coimbatore (District).
2. Date of Survey : 04.03.2022 & 05.03.2022.
3. Predominant wind direction : North East → South West.
4. Weather condition : Clear Sky



Note:- PM₁₀, SO₂ & NO₂ values are expressed in µg/m³ and restricted to the sampling period of 8 hrs.
 PM_{2.5} value is expressed in µg/m³ for the sampling period of 24 hrs.

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D.C.S.O

G-8/19/23
Assistant Director (Lab),
AEL – TNPCB – CBE.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

TEST REPORT

ULR-TC702523000001443P

Report No.96/AEL – CBE/ SM/2022 – 2023, Dated 19.01.2023.

1. Name of the Industry : M/s.Hitech Die Cast (P) Ltd.,
2. Address of the Industry : S.F.No.77/1, 77/2 & 101part,
Achipatti (Post), Kurumbapalayam Village,
Pollachi (Taluk), Coimbatore (District).
3. Date of Survey : 12.01.2023.
4. Test Started on : 19.01.2023.
5. Test Completed on : 19.01.2023.
6. Matrix : Stack Emission
7. Type of Industry : Cast Iron and SG Iron Castings Manufacturing

Stack Monitoring Survey Results

Sl. No	Stack attached to	Stack Temp °C	Velocity in (m/ sec)	Discharge rate in Nm ³ /Hour	Pollutants (mg / Nm ³)		
					PM	So ₂	No _x
1.	Induction furnaces – 1.5 Tons/Hr (After Cassette type Dust Collector)	39	14.46	14,051	24.0	10.6	4.8
2.	Shot Blast Machine – II – 0.5 Ton (After Bag Filter)	38	12.05	5,220	59.0	-	-

Note:-

Test Performed	Test Method
Particulate Matter	IS 11255: (Part 1) – 1985 (RA: 2003)

-- End of Report --

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19/1/23
D.C.S.O

G. Selvaraj
Assistant Director (Lab),
AEL – TNPCB – CBE.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

STACK DETAILS

Report No.96/AEL – CBE/SM/2022 – 2023, Dated 19.01.2023.

1. Name and Address of the Industry: M/s.Hitech Die Cast (P) Ltd.,
S.F.No.77/1, 77/2 & 101part, Achipatti (Post),
Kurumbapalayam Village,
Pollachi (Taluk), Coimbatore (District).
2. Date of Survey : 12.01.2023.

Sl.No	Particulars	1	2
1.	Stack attached to	Induction Furnace	Shot Blast Machine
2.	Details of process stack	Melting	--
3.	Height from G Level in (m)	24.0	8.0
4.	Diameter in (m)	0.6	0.4
5.	Port hole height from Ground Level or bends or ducts in (m)	13.0	4.17
6.	Fuel Used (with % Sulphur content)	Electricity	Electricity
7.	Fuel Consumption rate per day (mention units)	-	-
8.	Stack Capacity	1.5 Tons/Hr	0.5 Ton
9.	APC Measures provided	Cassette Type Dust Collector	Bag Filter
10.	APC functional status	Working	Working
11.	Ambient temp in °K	299	301
12.	Temp of flue gas in °K	312	311
13.	Velocity of flue gas in m/sec	14.46	12.05
14.	Volume of flue gas sampled in m ³	1.040	1.012
15.	Gaseous Discharge rate per Nm ³ /Hour	14,051	5,220

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Assistant Director (Lab),
AEL – TNPCB – CBE.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.
AMBIENT/SOURCE NOISE LEVEL SURVEY - Report of Analysis

ULR-TC702523000001443P

Report No.96/AEL – CBE/ NLS/2022 – 2023, Dated 19.01.2023.

1.	Name of the Industry	M/s.Hitech Die Cast (P) Ltd.,		
2.	Address of the Industry	S.F.No.77/1, 77/2 & 101part, Achipatti (Post), Kurumbapalayam Village, Pollachi (Taluk), Coimbatore (District).		
3.	Date of Survey	12.01.2023.		
	Category	Orange/Large	Land use Classification	--
	Type of Survey	Ambient	Time of Survey	Day
	Meteorological conditions	CALM		
	Matrix	Sound Level		

Logging Parameters

Instrument Used	Larson & Davis		Serial No	824 A 2030	
Logging Interval	10 Minutes each point		Measuring Range	50-110 dB(A)	
Weighting	"A"	Peak Weighting	"C"	Time Weighting	FAST
Sound Incidence	RANDOM		Time in hrs	11.25 to 12.25 Hrs.	

Report of Noise Level Monitoring

Sl No	Location	Distance (M)	Direction	Sound Level – dB(A)					
				L _{eq}	L ₉₀	L ₅₀	L ₁₀	Min	Max
	At Ambient:								
1.	Near Administrative office building of M/s. Unicast Alloys (P) Ltd.,	108	West	62.2	61.4	62.2	62.7	60.0	63.3
2.	At Main entrance of M/s. Unicast Alloys (P) Ltd.,	55	North West	59.6	59.0	59.6	60.4	58.7	62.3
3.	Near Worker's Quarters of M/s. Unicast Alloys (P) Ltd.,	275	South West	56.2	55.4	55.9	57.1	55.2	57.6
4.	At Main entrance of M/s. Hitech Die cast (P) Ltd.,	70	North East	60.4	57.0	60.5	63.1	54.6	64.7
5.	Near Workers Quarters of M/s. Hitech Die cast (P) Ltd.,	110	South East	57.3	56.4	57.8	61.1	54.8	62.5

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

-- End of Report --

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D.C.S.O

6-8/19/23
Assistant Director (Lab),
AEL – TNPCB – CBE.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

GENERAL PARTICULARS

Report No.96/AEL – CBE/AAO/SM/2022 – 23, Dated 19.01.2023.

Name and Address of the Industry : M/s.Hitech Die Cast (P) Ltd.,
S.F.No.77/1, 77/2 & 101part, Achipatti (Post),
Kurumbapalayam Village,
Pollachi (Taluk), Coimbatore (District).

Date of Survey : 12.01.2023 & 13.01.2023.

Sl. No	Head of Particulars	Particulars																														
1.	Process Description	Cast Iron and SG Iron Castings Manufacturing.																														
2.	Emission Sources	Induction Furnace, Shot Blast Machine.																														
3.	Fugitive Emission Sources	Vehicle movements.																														
4.	Raw Material Consumptions	<table border="1"> <thead> <tr> <th>Sl.No</th> <th>Raw Materials</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Silica Sand</td> <td>5720 Kgs</td> </tr> <tr> <td>2</td> <td>Bentonite Powder</td> <td>1650 Kgs</td> </tr> <tr> <td>3</td> <td>Gotron (Coal Dust)</td> <td>700 Kgs</td> </tr> <tr> <td>4</td> <td>M.S.Scrap</td> <td>360 Kgs</td> </tr> <tr> <td>5</td> <td>M.S.Punching</td> <td>13490 Kgs</td> </tr> <tr> <td>6</td> <td>Carbon Coke</td> <td>27 Kgs</td> </tr> <tr> <td>7</td> <td>Shell Coke</td> <td>929 Kgs</td> </tr> <tr> <td>8</td> <td>C.I. Borings</td> <td>450 Kgs</td> </tr> <tr> <td>9</td> <td>Home Returns</td> <td>9260 Kgs</td> </tr> </tbody> </table>	Sl.No	Raw Materials	Quantity	1	Silica Sand	5720 Kgs	2	Bentonite Powder	1650 Kgs	3	Gotron (Coal Dust)	700 Kgs	4	M.S.Scrap	360 Kgs	5	M.S.Punching	13490 Kgs	6	Carbon Coke	27 Kgs	7	Shell Coke	929 Kgs	8	C.I. Borings	450 Kgs	9	Home Returns	9260 Kgs
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7	Shell Coke	929 Kgs																														
8	C.I. Borings	450 Kgs																														
9	Home Returns	9260 Kgs																														
5.	Production Capacity as per Air Consent order No. & Date	Cast Iron and SG Iron Castings – 1450 Tons/Month. As per Air Consent order No. 2205237163048 Dated 28.03.2022.																														
6.	Production on the day of Survey	1. S.G. Iron – 22.3 Tons. 2. Grey Iron – 2.16 Tons.																														
7.	Air Consent Order No. Validity upto 31 st March 2029.	Air Consent order No. 2205237163048 Dated 28.03.2022 Validity upto 31.03.2029.																														
8.	Details of APC measures	Cassette type Dust Collector and Bag Filter																														
9.	Functional Status of APC measures	Working																														
10.	Field Observations	--																														

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19/1/23
D.C.S.O

6.8.19/1/23
Assistant Director (Lab),
AEL – TNPCB – CBE.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

INFERENCE REPORT NO. 96/ AEL – CBE/ A.A.O.S./ S.M. Dated 19.01.2023.

1. Name of Industry : M/s.Hitech Die Cast (P) Ltd.,
S.F.No.77/1, 77/2 & 101part, Achipatti (Post),
Kurumbapalayam Village,
Pollachi (Taluk), Coimbatore (District).
2. Pollution Category : Orange/Large
3. Date of A.A.Q. Survey : 12.01.2023 & 13.01.2023.
4. Predominant Wind Direction : North East → South West
5. Weather condition : Clear Sky

STATUS OF POLLUTANTS LEVEL

I. AMBIENT AIR QUALITY:-

1. Total No. of A.A.Q. stations monitored : PM₁₀: 5 Nos & PM_{2.5}: 1 No
2. No. of A.A.Q. stations in which Pollutants
Level exceeded the Boards standards (PM₁₀) & PM_{2.5} : 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.	<u>Respirable Suspended particulate Matter: PM₁₀</u>	84.0	51.0	100
2.	PM _{2.5}	39.0	-	60
3.	<u>GASEOUS POLLUTANTS:-</u>			
	(i) SO ₂	14.0	8.2	80
	(ii) NO ₂	29.0	14.0	80

II. STACK MONITORING:-

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

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19/1/23

Assistant Director (Lab),
AEL – TNPCB – CBE.
19/1/23



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

BILL

Report No.96/AEL – CBE/AAQ/SM/2022 – 2023, Dated 19.01.2023.

Bill No.	96/2022 – 2023
Date	19.01.2023.

To

M/s.Hitech Die Cast (P) Ltd.,

S.F.No.77/1, 77/2 & 101part, Achipatti (Post), Kurumbapalayam Village,

Pollachi (Taluk), Coimbatore (District).

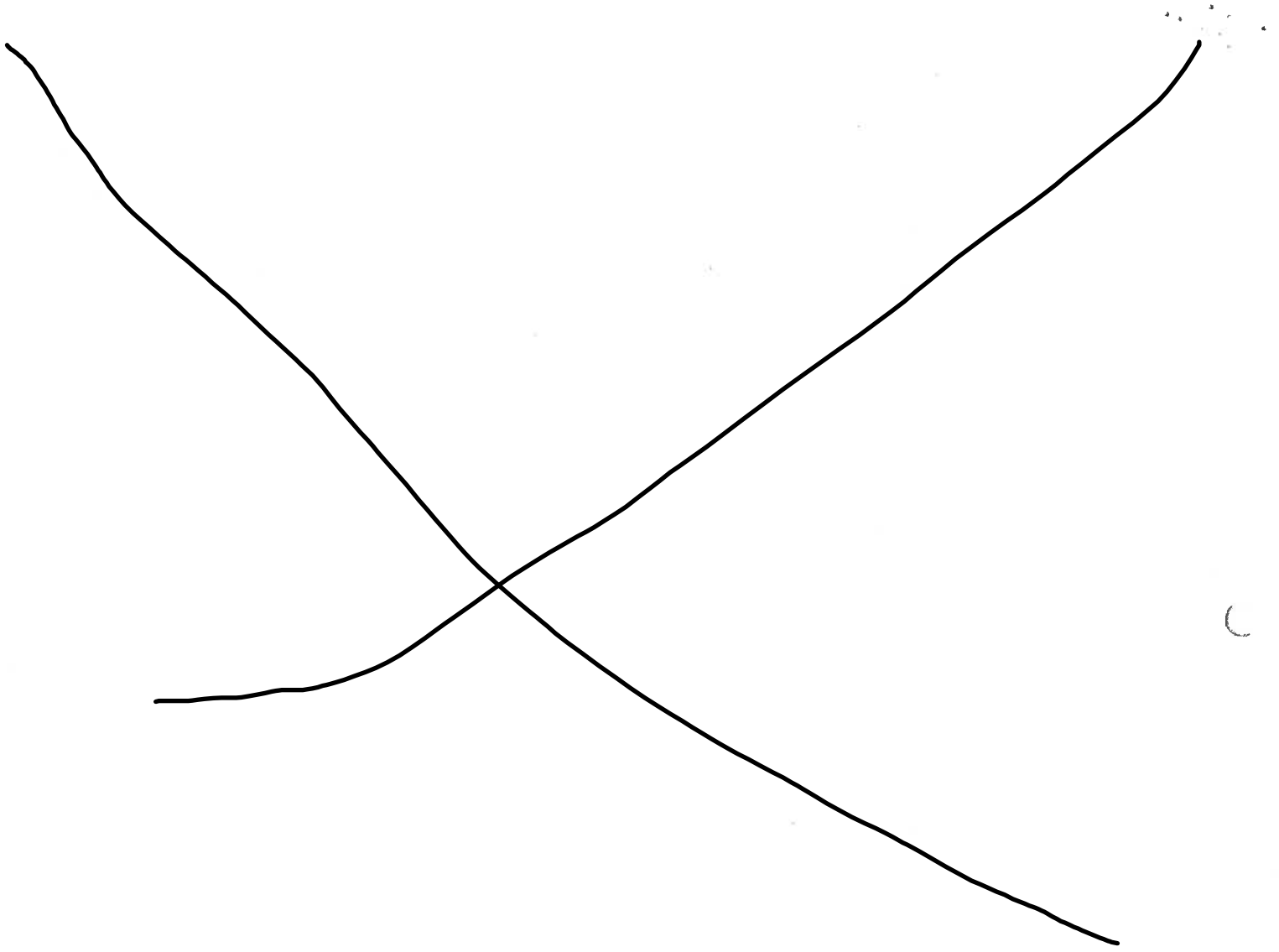
- Ref: 1. Bd's Memo No.TNPCB/DD(L)/02031/2019 Dated 08.09.2021.G.O.(2D) No.13 dated: 31.08.2021] (REVISED ANALYTICAL CHARGES)
2. This office Lr.No.TNPC Bd/AD (L)/AEL-CBE/Air survey/F.No.P.7/22 –23, dated 11.08.2022.
3. Your Letter No.Nil, dated 13.01.2023.
4. Cash Receipt No.157359 dated 04.01.2023 for Rs.73,200/-

Sl. No.	Description	Rate (Rs)	No. of Stations/Stacks	Amount (Rs)
1.	SAMPLING CHARGES:			
	(i). Ambient Air Quality Monitoring	3,500.00	6	21,000.00
	(ii). Source Emission Monitoring (PM, SO ₂ NO ₂ , etc.,)	13,100.00	1	13,100.00
	(iii).Source Emission Monitoring (PM)	9,600.00	1	9,600.00
2.	ANALYTICAL CHARGES:			
	(i). Ambient Air Samples PM ₁₀ , SO ₂ , NO ₂ (each Rs.1,050/-).....	3,150.00	5	15,750.00
	(ii). Ambient Air Samples PM _{2.5} (each Rs.1,050/-).....	1,050.00	1	1,050.00
	(iii). Source Emission Samples PM, SO ₂ , NO ₂ (each Rs.1,050/-).....	3,150.00	1	3,150.00
	(iv). Source Emission Samples – PM (Rs.1,050/-)	1,050.00	1	1,050.00
3.	AMBIENT MONITORING CHARGES:			
	(i). For first 5 stations	7,000.00	-	7,000.00
4.	TRANSPORATION CHARGES	-		1,500.00
Total				73,200.00
Less: Advance – (Vide Ref. No.4)				73,200.00
Balance to pay				Nil

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G. S. M. 19/1/23
Assistant Director (Lab),
AEL – TNPCB – CBE.





TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

From
K.Selvaraj, M.Sc.,
Assistant Director (Lab)
Advanced Environmental Laboratory
Tamilnadu Pollution Control Board
No.5, Ramasamy Nagar, Kavundampalayam,
Coimbatore – 641 030.
Email – aelcbe@tnpcb.gov.in

To
M/s. Unicast Alloys (P) Ltd.,
S.F.No.98/1D, 100 & 101 part,
Kurumbapalayam Village,
Pollachi (Taluk),
Coimbatore (District).

Lr.No.TNPC Bd/AD (L)/AEL – CBE/AAQS & SM/F.No.P.21/2022 – 23, Dated 19.01.2023.

Sir,

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

- Ref: 1. This office Lr.No.TNPC Bd/AD (L)/AEL-CBE/Air survey/F.No.P.21/22 –23, dated 27.07.2022.
2. Your Lr.No.Nil dated 13.01.2023.
3. Cash Receipt No.157358 dated 04.01.2023 for Rs.1,05,150/-

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 M/s. Unicast Alloys (P) Ltd., on 03.03.2022 & 04.03.2022 with invoice for a sum of Rs.1,05,150 /- (Rupees one lakh five thousand one hundred and fifty only) towards the above survey / analysis charges, and the same has been adjusted with the advance fees received vide reference (3) cited.

Kindly acknowledge the receipt of the report without fail.

Encl: As above.

Copy to:

1. The District Environmental Engineer, TNPCB, Coimbatore (South) for favour of kind information please.
2. Copy to file.

19/1.23
6-80
Assistant Director (Lab),
AEL – TNPCB – CBE



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

TEST REPORT

ULR-TC702523000001442P

Report No.95/AEL – CBE/ AAOS/2022 – 2023, Dated 19.01.2023.

1. Name of the Industry : M/s.Unicast Alloys (P) Ltd.,
2. Address of the Industry : S.F.No.98/1D, 100 & 101 part, Kurumbapalayam Village,
Pollachi (Taluk), Coimbatore (District).
3. Date of Survey : 11.01.2023 & 12.01.2023.
4. Duration of Survey : PM₁₀ : 8 Hrs & PM_{2.5} : 24Hrs
5. Category : Orange/Large
6. Test Started on : 19.01.2023.
7. Test Completed on : 19.01.2023.
8. Matrix : Ambient Air Quality

Meteorological Conditions

Ambient Temperature (°C)	Min	Max	Relative Humidity (%)	Min	Max
	24.0	31.0		24	49
Weather Condition	Clear Sky		Rain Fall (mm)	Nil	
Predominant Wind Direction.	North East → South West		Mean Wind Speed (km/hr)	--	

Ambient Air Quality Survey Results

Sl. No	Location	Direction *	Distance (m) *	Height Form GL(m)	Pollutants Concentration (microgram / m ³)			
					PM ₁₀	SO ₂	NO ₂	PM _{2.5}
1	On top of scaffolding at North East corner near Main Entrance.	North East	105	2.0	51.0	9.3	16.0	-
2	On top of scaffolding near Labour Quarters.	South East	150	2.0	55.0	8.2	18.0	-
3	On top scaffolding in the Open field of Disha A Life School.	South West	210	2.0	88.0	15.0	26.0	24.0
4	On top scaffolding in the Open field of Disha A Life School.	West – South West	200	2.0	78.0	13.6	21.8	-
5	On top scaffolding in the Open field of Disha A Life School.	West – North West	135	2.0	68.0	11.0	19.0	-

Note:- * With respect to major emission sources.

PM₁₀, SO₂ & NO₂ The analytical results are restricted to the sampling period of 8hrs

PM_{2.5} The analytical results for the sampling period of 24 hrs.

Near by unit M/s.Hitech Die Cast (P) Ltd was in operation on the day of AAQ Survey

Test Performed	Test Method
PM ₁₀	IS 5182: (Part 23) – 2006
SO ₂	Modified West – Gaeke / IS 5182: (Part 2) – 2001 RA: 2012
NO ₂	Jacobs – Hochheiser / IS 5182: (Part 6) – 2006 RA: 2012

-- End of Report --

19/1.23
E.S

D.C.S.O

Assistant Director (Lab),
AEL – TNPCB – CBE.



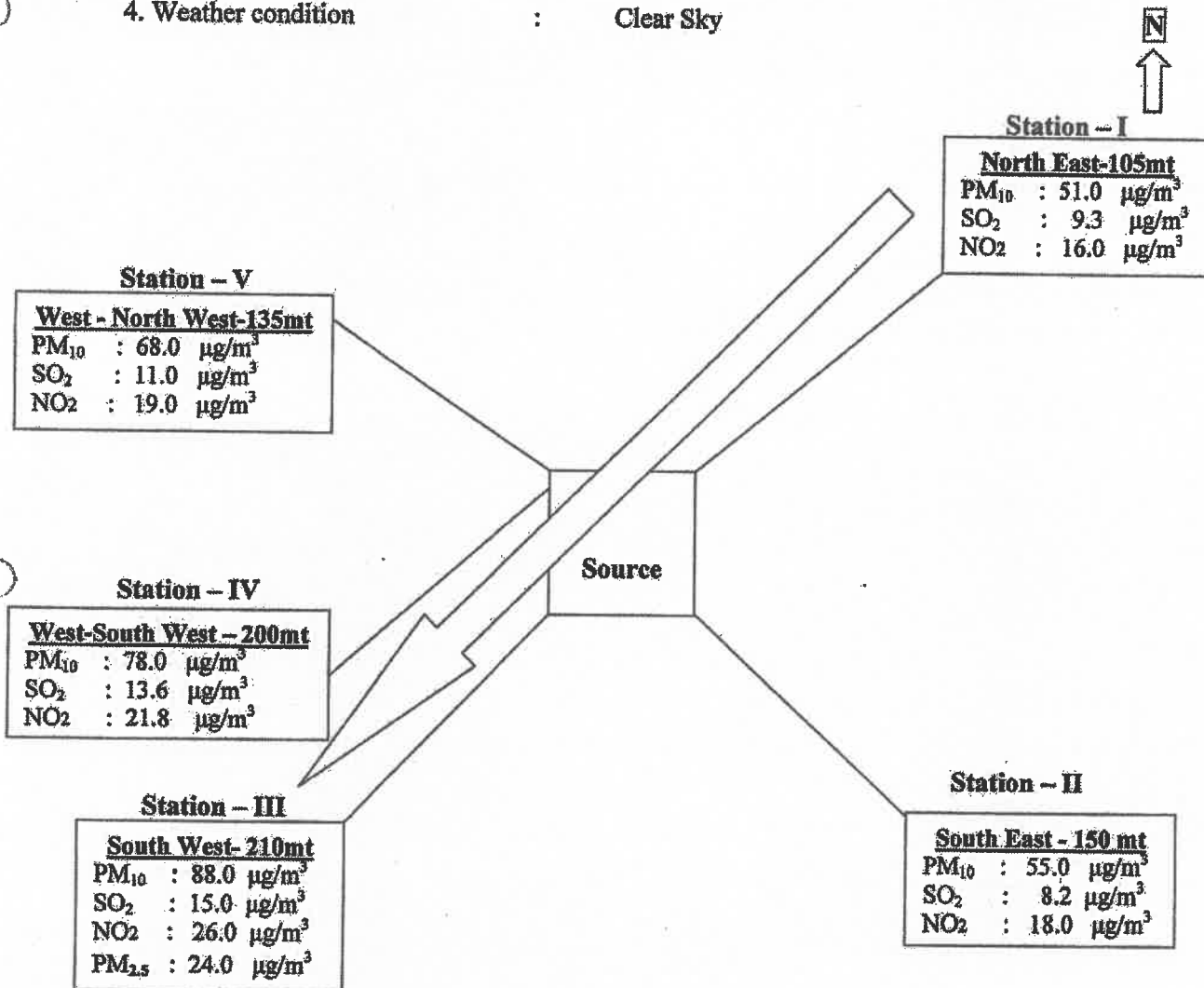
TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

AMBIENT AIR QUALITY SURVEY

Schematic Diagram Showing Location of Sampling

Report No.95/AEL – CBE/AAO/SM/2022 – 2023, Dated 19.01.2023.

1. Name and Address of the Industry : M/s.Unicast Alloys (P) Ltd.,
S.F.No.98/1D, 100 & 101 part, Kurumbapalayam
Village, Pollachi (Taluk),
Coimbatore (District).
2. Date of Survey : 11.01.2023 & 12.01.2023.
3. Predominant wind direction : North East → South West
4. Weather condition : Clear Sky



Note:- PM₁₀, SO₂ & NO₂ values are expressed in µg/m³ and restricted to the sampling period of 8 hrs
PM_{2.5} value is expressed in µg/m³ for the sampling period of 24 hrs.

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19/1/23
Assistant Director (Lab),
AEL – TNPCB – CBE.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

TEST REPORT

ULR-TC702523000001442P

Report No.95/AEL – CBE/ SM/2022 – 2023, Dated 19.01.2023.

1. Name of the Industry : M/s.Unicast Alloys (P) Ltd.,
2. Address of the Industry : S.F.No.98/1D, 100 & 101 part, Kurumbapalayam Village,
Pollachi (Taluk), Coimbatore (District).
3. Date of Survey : 11.01.2023.
4. Test Started on : 19.01.2023.
5. Test Completed on : 19.01.2023.
6. Matrix : Stack Emission
7. Type of Industry : Cast Iron & SG Iron Castings Manufacturing

Stack Monitoring Survey Results

Sl. No	Stack attached to	Stack Temp °C	Velocity in (m/sec)	Discharge rate in Nm ³ /Hour	Pollutants (mg / Nm ³)		
					PM	So ₂	No _x
1.	Induction furnace – 1.5 Tons/Hr (After Spark Arrestor, Cyclone Separator & Cassette Type Dust Collector.)	39	9.8	16,929	38.0	10.6	6.0
2.	Shot blast Machine No.2 – 0.5 Ton (After Cassette Type Dust collector]	33	11.3	4,976	85.0	-	-
3.	Shot blast Machine No.1 – 1.0 Ton (After Dust collector]	31	14.3	6,338	42.0	-	-
4.	Sand Plant (After Cyclone separator & Pulse Jet Type Dust Collector)	39	7.14	12,317	29.0	-	-
5.	Fettling Section (After Dust collector)	39	7.4	3,196	50.0	-	-

Note:-

Test Performed	Test Method
Particulate Matter	IS 11255: (Part 1) – 1985 (RA: 2003)

– End of Report –

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D.C.S.O

Assistant Director (Lab)
Assistant Director (Lab),
AEL – TNPCB – CBE.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

STACK DETAILS

Report No.95/AEL – CBE/SM/2022 – 2023, Dated 19.01.2023.

1. Name and Address of the Industry: M/s.Unicast Alloys (P) Ltd.,
S.F.No.98/1D, 100 & 101 part, Kurumbapalayam
Village, Pollachi (Taluk), Coimbatore (District).

2. Date of Survey : 11.01.2023.

Sl.No	Particulars	1	2
1.	Stack attached to	Induction Furnace	Shot blast Machine No.2
2.	Details of process stack	Melting	--
3.	Height from G Level in (m)	30.0	5.6
4.	Diameter in (m)	0.8	0.4
5.	Port hole height from Ground Level or bends or ducts in (m)	11.0	4.2
6.	Fuel Used (with % Sulphur content)	Electricity	Electricity
7.	Fuel Consumption rate per day (mention units)	-	-
8.	Stack Capacity	1.5 Tons / Hr	0.5 Ton
9.	APC Measures provided	Spark Arrestor, Cyclone Separator & Cassette Type Dust Collector	Cassette Type Dust Collector
10.	APC functional status	Working.	Working
11.	Ambient temp in °K	300	301
12.	Temp of flue gas in °K	312	306
13.	Velocity of flue gas in m/sec	9.8	11.3
14.	Volume of flue gas sampled in m ³	0.900	1.008
15.	Gaseous Discharge rate per Nm ³ /Hour	16,929	4,976

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4/19.1.23
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6-80/19/1/2-3
Assistant Director (Lab),
AEL – TNPCB – CBE.

Sl. No	Particulars	3	5	6
1.	Stack attached to	Shot blast Machine No.1	Sand Plant	Fettling Section
2.	Details of process stack	--	--	--
3.	Height from G Level in (m)	9.1	11.75	13.6
4.	Diameter in (m)	0.4	0.8	0.4
5.	Port hole height from Ground Level or bends or ducts in (m)	4.9	7.6	9.0
6.	Fuel Used (with % Sulphur content)	Electricity	Electricity	Electricity
7.	Fuel Consumption rate per day (mention units)	--	-	-
8.	Stack Capacity	1.0 Ton	-	-
9.	APC Measures provided	Dust Collector	Cyclone separator and Pulse Jet Type Dust Collector	Dust Collector
10.	APC functional status	Working	Working	Working
11.	Ambient temp in °K	303	304	303
12.	Temp of flue gas in °K	304	312	312
13.	Velocity of flue gas in m/sec	14.3	7.14	7.4
14.	Volume of flue gas sampled in m ³	1.026	0.650	0.650
15.	Gaseous Discharge rate per Nm ³ /Hour	6,338	12,317	3,196

6/19.1.23
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6-5/19/23
Assistant Director (I/II),
AEL - TNPCB - OBE.



TAMILNADU POLLUTION CONTROL BOARD

Advanced Environmental Laboratory, Coimbatore - 641 030.

AMBIENT/SOURCE NOISE LEVEL SURVEY - Report of Analysis

ULR-TC702523000001442P

Report No.95/AEL - CBE/ NLS/2022 - 2023, Dated 19.01.2023.

1.	Name of the Industry	M/s.Unicast Alloys (P) Ltd.,		
2.	Address of the Industry	S.F.No.98/ID, 100 & 101 part, Kurumbapalayam Village, Pollachi (Taluk), Coimbatore (District).		
3.	Date of Survey	11.01.2023.		
	Category	Orange/Large	Land use Classification	--
	Type of Survey	Ambient	Time of Survey	Day Time
	Meteorological conditions	CALM		
	Matrix	Sound Level		

Logging Parameters

Instrument Used	Larson & Davis	Serial No	824 A 2028
Logging Interval	10 Minutes each point	Measuring Range	50-110 dB(A)
Weighting	"A" Peak Weighting	"C" Time Weighting	FAST
Sound Incidence	RANDOM	Time in hrs	16.30 Hrs to 17.20 Hrs.

Report of Noise Level Monitoring

Sl No	Location	Distance (M)	Direction	Sound Level - dB(A)					
				L _{eq}	L ₉₀	L ₅₀	L ₁₀	Min	Max
	At Ambient:								
1	Near Main Entrance of the unit.	105	North East	57.7	56.9	57.7	59.7	55.4	61.1
2	At South East corner near Labour Quarters.	150	South East	53.6	52.9	53.3	54.2	52.1	61.9
3	In the Open field of Disha A Life School at North West Corner of the unit.	210	North West	52.5	51.3	52.1	53.8	50.3	60.4
4	In the Open field of Disha A Life School at West side of the unit.	200	West	51.5	50.3	51.3	51.9	49.5	57.7
5	In the Open field of Disha A Life School at South West corner of the unit.	135	South West	52.1	51.5	52.0	52.5	50.7	55.0

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

-- End of Report --

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E.S

[Signature]
19/1/23
D.C.S.O

[Signature]
Assistant Director (Lab),
AEL - TNPCB - CBE.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

GENERAL PARTICULARS

Report No.95/AEL – CBE/AAO/SM/2022 – 2023, Dated 19.01.2023.

Name and Address of the Industry : M/s.Uncast Alloys (P) Ltd.,
S.F.No.98/1D, 100 & 101 part, Kurumbapalayam
Village, Pollachi (Taluk), Coimbatore (District).

Date of Survey : 11.01.2023 & 12.01.2023.

Sl.No	Head of Particulars	Particulars																																	
1.	Process Description	Cast Iron and SG Iron Castings Manufacturing.																																	
2.	Emission Sources	Induction Furnace, Shot Blast Machines, Sand Plant and Fettling Section.																																	
3.	Fugitive Emission Sources	Vehicle movements.																																	
4.	Raw Material Consumptions	<table border="1"> <thead> <tr> <th>Sl.No</th> <th>Description</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Silica Sand</td> <td>5533 Kgs</td> </tr> <tr> <td>2</td> <td>Bentonite Powder</td> <td>2213 Kgs</td> </tr> <tr> <td>3</td> <td>Gotron (Coal dust)</td> <td>759 Kgs</td> </tr> <tr> <td>4</td> <td>M.S.Scrap</td> <td>4130 Kgs</td> </tr> <tr> <td>5</td> <td>M.S.Punching</td> <td>6725 Kgs</td> </tr> <tr> <td>6</td> <td>Carbon Coke</td> <td>190 Kgs</td> </tr> <tr> <td>7</td> <td>Shell Coke</td> <td>449 Kgs</td> </tr> <tr> <td>8</td> <td>C.I. Borings</td> <td>4300 Kgs</td> </tr> <tr> <td>9</td> <td>S.G. Borings</td> <td>1320 Kgs</td> </tr> <tr> <td>9</td> <td>Home Returns</td> <td>9490 Kgs</td> </tr> </tbody> </table>	Sl.No	Description	Quantity	1	Silica Sand	5533 Kgs	2	Bentonite Powder	2213 Kgs	3	Gotron (Coal dust)	759 Kgs	4	M.S.Scrap	4130 Kgs	5	M.S.Punching	6725 Kgs	6	Carbon Coke	190 Kgs	7	Shell Coke	449 Kgs	8	C.I. Borings	4300 Kgs	9	S.G. Borings	1320 Kgs	9	Home Returns	9490 Kgs
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9	Home Returns	9490 Kgs																																	
5.	Production Capacity as per Air Consent order No. & Date	Cast Iron and SG Iron Castings – 1450 Tons/Month. As per Air Consent order No.2205237179736 Dated 28.03.2022																																	
6.	Production on the day of Survey	1. S.G.Iron – 12.3 Tons 2. Grey Iron – 14.3 Tons																																	
7.	Air Consent Order No. Validity upto 31 st March 2029.	Air Consent order No. 2205237179736 Dated 28.03.2022 Validity upto 31.03.2029.																																	
8.	Details of APC measures	Spark Arrestor, Cyclone separator & Cassette type Dust Collector, Pulse jet Type Dust Collector and Dust Collector.																																	
9.	Functional Status of APC measures	Working																																	
10.	Field Observations	--																																	

19/1/23
E.S

D.C.S.O

Assistant Director (Lab),
AEL TNCB



TAMILNADU POLLUTION CONTROL BOARD

Advanced Environmental Laboratory, Coimbatore - 641 030.

INFERENCE REPORT NO. 95/ AEL - CBE/ A.A.O.S./ S.M. Dated 19.01.2023.

1. Name of Industry : M/s.Unicast Alloys (P) Ltd.,
S.F.No.98/1D, 100 & 101 part, Kurumbapalayam
Village, Pollachi (Taluk),
Coimbatore (District).
2. Pollution Category : Orange/Large
3. Date of A.A.Q. Survey : 11.01.2023 & 12.01.2023
4. Predominant Wind Direction : North East → South West
5. Weather condition : Clear Sky

STATUS OF POLLUTANTS LEVEL

I. AMBIENT AIR QUALITY:-

1. Total No. of A.A.Q. stations monitored : PM₁₀: 5 & PM_{2.5}: 1
2. No. of A.A.Q. stations in which Pollutants
Level exceeded the Boards standards (PM₁₀) & PM_{2.5} : 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.	<u>Respirable Suspended particulate Matter: PM₁₀</u>	88.0	51.0	100
2.	PM _{2.5}	24.0	-	60
	<u>GASEOUS POLLUTANTS:-</u>			
	(i) SO ₂	15.0	8.2	80
	(ii) NO ₂	26.0	16.0	80

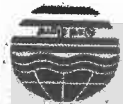
II. STACK MONITORING:-

1. Total No. of Stacks Monitored : 5
2. No. of Stacks in which Pollutants level
Exceeded the Boards standards : NIL

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D.C.S.O
19/1/23

Assistant Director (Lab),
AEL - TNPCB - CBE.
19/1/23



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Coimbatore – 641 030.

BILL

Report No.95/AEL – CBE/AAO/SM/2022 – 2023, Dated 19.01.2023.

Bill No.	95/2022 – 2023
Date	19.01.2023.

To

M/s.Unicast Alloys (P) Ltd.,
S.F.No.98/1D, 100 & 101 part,
Kurumbapalayam Village, Pollachi (Taluk),
Coimbatore (District).

- Ref: 1. Bd's Memo No.TNPCB/DD(L)/02031/2019 Dated 08.09.2021.G.O.(2D) No.13 dated: 31.08.2021] (REVISED ANALYTICAL CHARGES)
2. This office Lr.No.TNPC Bd/AD (L)/AEL-CBE/Air survey/F.No.P.21/22 –23, dated 27.07.2022.
3. Your Lr.No.Nil dated 13.01.2023.
4. Cash Receipt No.157358 dated 04.01.2023 for Rs.1,05,150/-

Sl. No.	Description	Rate (Rs)	No. of Stations/Stacks	Amount (Rs)
1.	SAMPLING CHARGES:			
	(i). Ambient Air Quality Monitoring	3,500.00	6	21,000.00
	(ii). Source Emission Monitoring (PM, SO ₂ NO ₂ etc.,)	13,100.00	1	13,100.00
	(iii).Source Emission Monitoring (PM)	9,600.00	4	38,400.00
2.	ANALYTICAL CHARGES:			
	(i). Ambient Air Samples PM ₁₀ , SO ₂ , NO ₂ (each Rs.1,050/-).....	3,150.00	5	15,750.00
	(ii). Ambient Air Samples PM _{2.5} (each Rs.1,050/-).....	1,050.00	1	1,050.00
	(iii). Source Emission Samples PM, SO ₂ , NO ₂ (each Rs.1,050/-).....	3,150.00	1	3,150.00
	(iv). Source Emission Samples – PM (Rs.1,050/-)	1,050.00	4	4,200.00
3.	AMBIENT MONITORING CHARGES:			
	(i). For first 5 stations	7,000.00	-	7,000.00
4.	TRANSPORATION CHARGES	-		1,500.00
Total				1,05,150.00
Less: Advance – (Vide Ref. No.4)				1,05,150.00
Balance to Pay				Nil

GA/19.1.23
E.S

GA/19.1.23
D.C.S.O

GA/19.1.23
Assistant Director (Lab),
AEL – TNPCB – CBE.

**BEFORE THE NATIONAL GREEN
TRIBUNAL (SZ) CHENNAI**

Appeal No. 36 of 2022

**INDEX TO TYPED SET OF
PAPERS FILED
BY 1st & 2nd RESPONDENT**

**M/s.R. BHARATH KUMAR (Ms.1232/1993)
V.AYYAPPARAJA (Ms.412/2001)**

COUNSEL FOR 1ST & 2ND RESPONDENT