



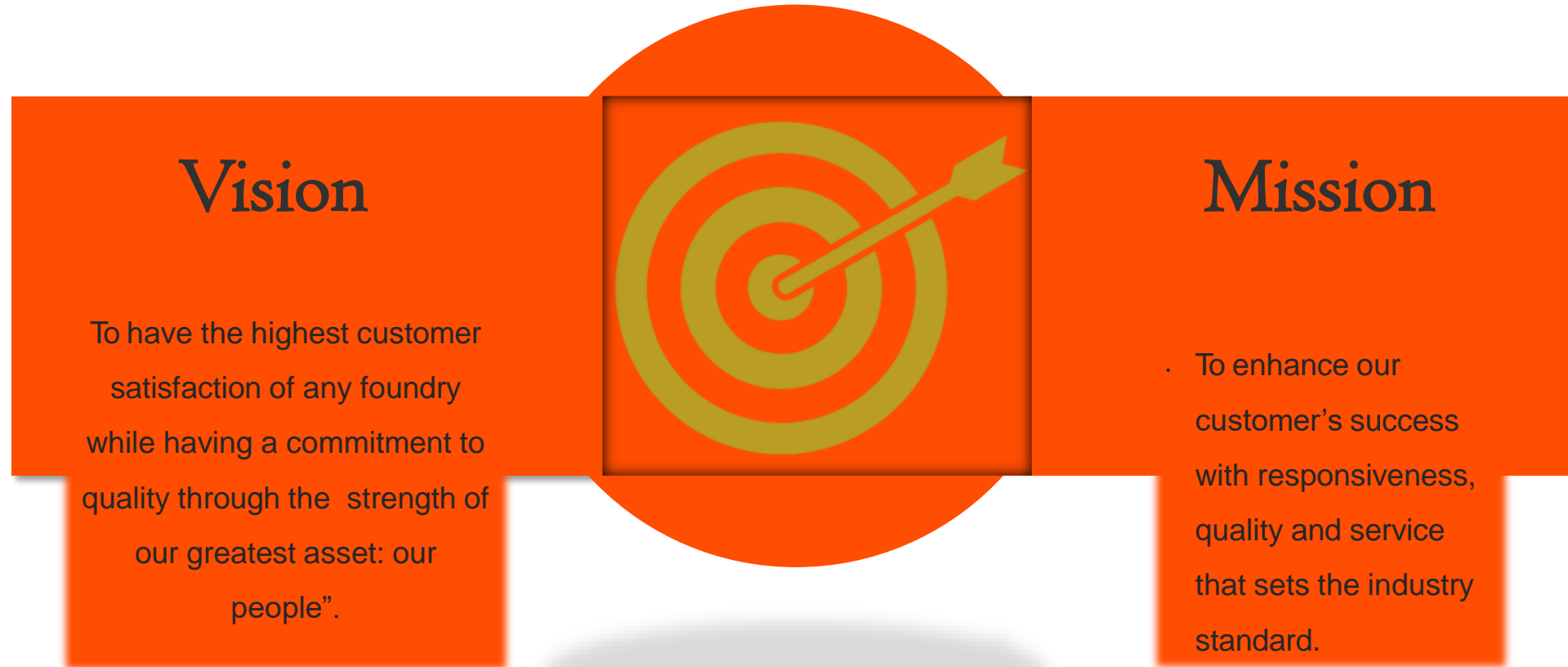
DART ENGINEERING AND TECHNOLOGY

About Us

- Dart Engineering spreads over an area of 12,500 sq.ft started in the year 2022-2023 by expertise in Aluminium foundry who has experience of more than 15 years in the field of gravity die casting.
- One amongst the foundry that has end to end solution for manufacturing the gravity die casting and at lesser cost of production.
- Dart seeks to scale up its height of excellence in quality and customer satisfaction by commitment and expertise in work with customers.
- In-house facilities: **Tilting** Gravity Die casting, heat treatment and testing facilities.



Vision Mission



Quality Policy

- Ensure that castings conform to customers specific requirements and perceived requirements and produced as efficiently and economically as possible within the relevant statutory and regulatory requirements of the industry.
- Implement continual improvement initiatives
- Communicate quality objectives, and its performance in achieving these objectives, across the company.
- Work closely with customers and suppliers in seeking to establish high quality standards.
- Communicate that quality is everyone's responsibility.



Our Capabilities



- Production capacity:- 40 MT of good casting per month
- Ability to manufacture the castings from 0.1 Kg to 30 Kg and casting of size from 100 mm to 900 mm
- Manufacture castings of wall thickness 3 mm and also with intricate sand cores
- To develop new component within 8-10 weeks time

Alloys we Handle

- A356
- A319
- LM24
- LM25
- LM6
- AlSi10Mg

Infrastructure



- Electrical resistance Melting furnace(350kgs) -2 nos
- Tilting gravity die casting machine – 2 nos
- Rotary Degassing machine – 01 no
- Optical Emission Spectrometer - 01 no (Make :- Ametek)
- Optical Brinell Hardness Machine – 01 no
- Universal Testing Machine (UTM) – 01 no
- Vacuum Porosity Tester – 01 no
- Vertical Bandsaw machine – 01 no
- Belt grinder – 02 nos
- Automated Slitting machine – SPM to cut the runner in casting
- Heat Treatment furnace of capacity 2 MT – 01 no
- 125 Kva Generator – 1 no
- Grid Blasting Machine – 1 no

Manufacturing Facilities

Melting Furnaces



Gravity Die Casting



Rotary Degassing Unit



Manufacturing Facilities



Belt Sander



Heat Treatment Furnace



Automatic Slitting Saw Machine



Testing Equipments

Optical Emission Spectrometer



Optical Brinell Hardness Machine



Universal Testing Machine



DEVELOPMENT PROCESS

- Review of customer drawing
- Understanding the requirements
- Feasibility study

• 1st Week



- Making of Tool / Die
- Dimension Inspection of tool

• 3-8th Week

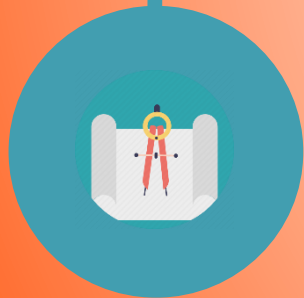


- Dimension Inspection of part
- Testing of Part as per requirement
- Dispatch

• 10th Week

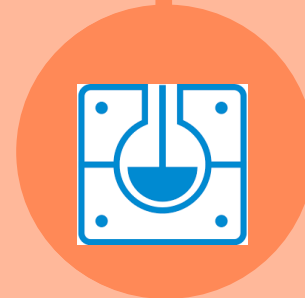
• 2nd Week

- Gating, Runner and riser design.
- Mould flow analysis
- Finalisation of DFMA model



• 9th Week

- 1st Casting trial
- Inspection of casting dimensions
- 2nd Casting trial



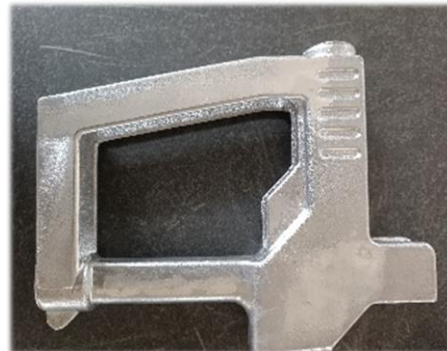
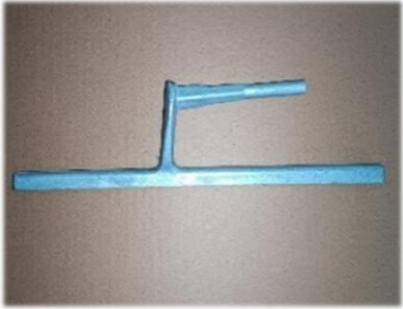
Future Expansions



| S.No | Description | Target |
|------|---------------------------|------------|
| 1 | Turning Centre | Dec – 2024 |
| 2 | Vertical Machining Centre | Dec – 2024 |
| 3 | Electronic Height Gauge | Dec – 2024 |
| 4 | Shot Blasting Machine | Mar - 2025 |

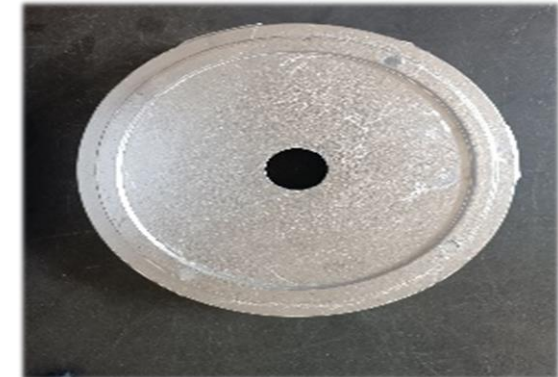
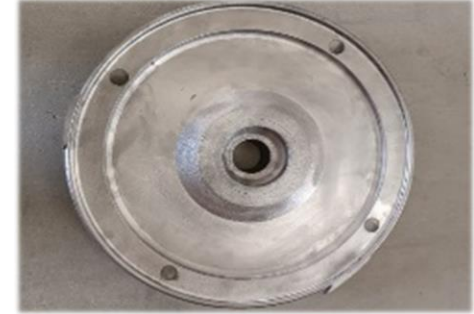
Product Gallery

Construction Industry



Casting Weight:- 0.2 Kg to 4 Kg
Criticality :- 3mm Wall thickness and intricate sand cores

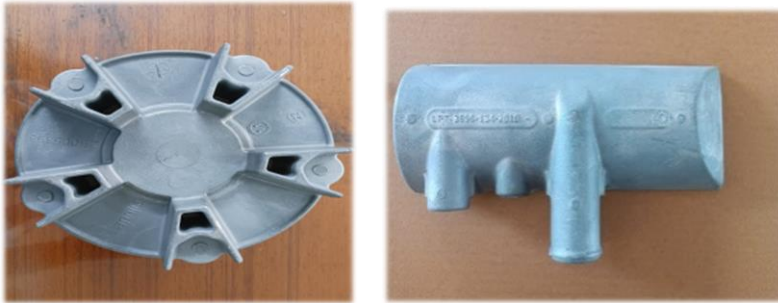
Power Plant



Casting Wt:- 20-25 Kg

Product Gallery

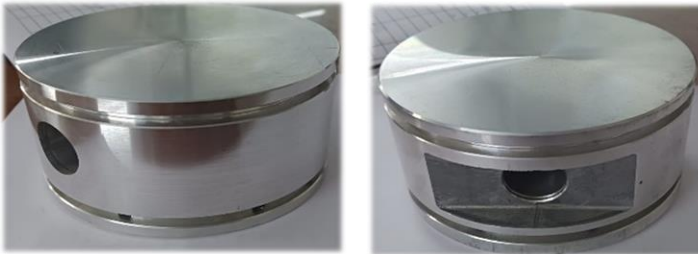
Automobile Parts



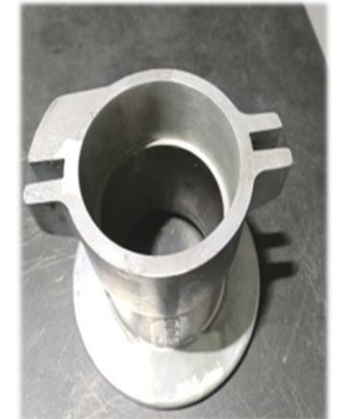
Casting weight:- 1-2 Kg

Criticality :- 3mm Wall thickness and Level 2 RT

Oil & Gas Industry



Electrical Housing & Covers

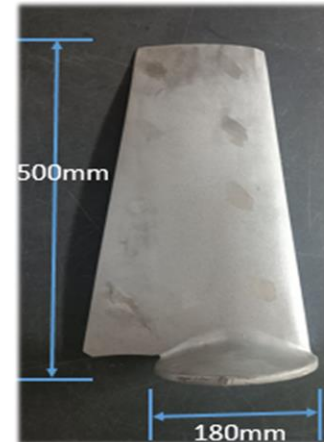
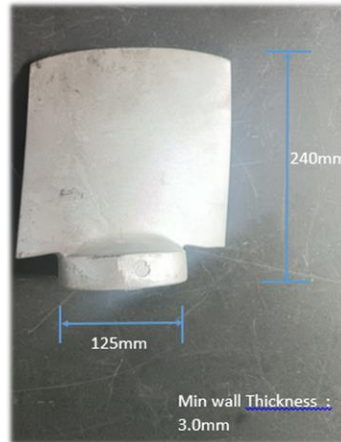
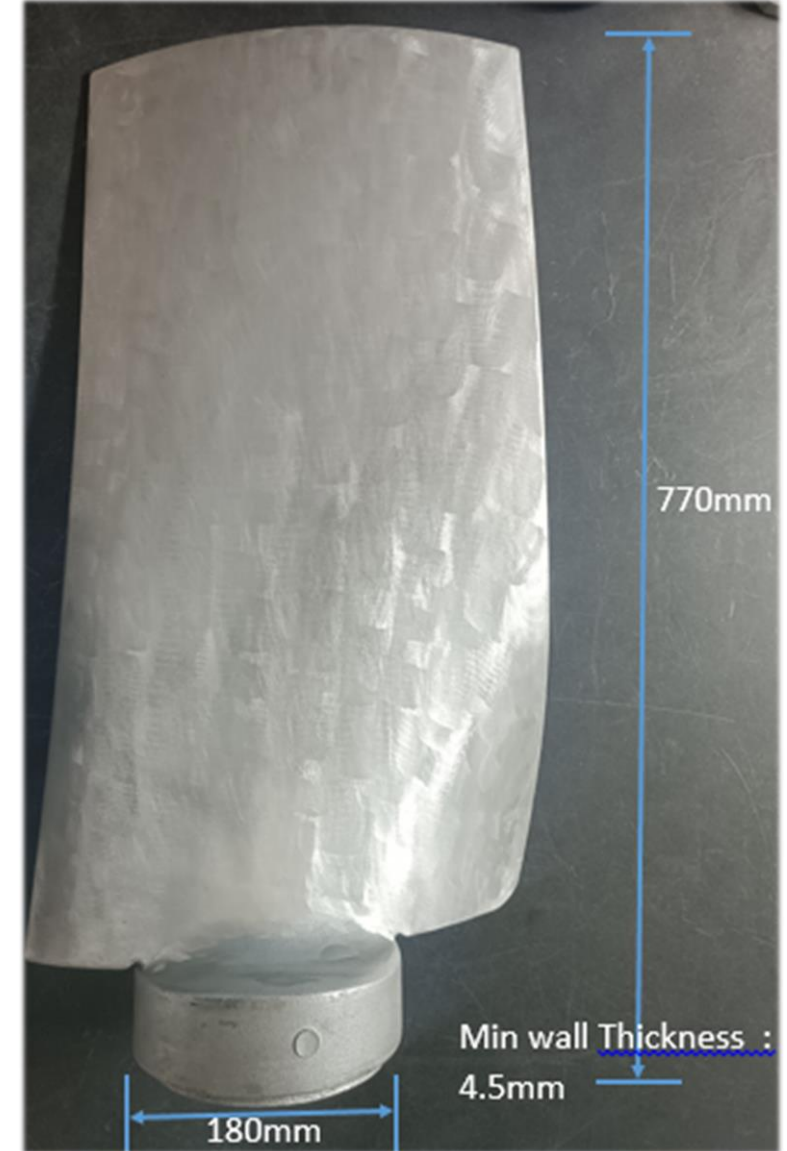
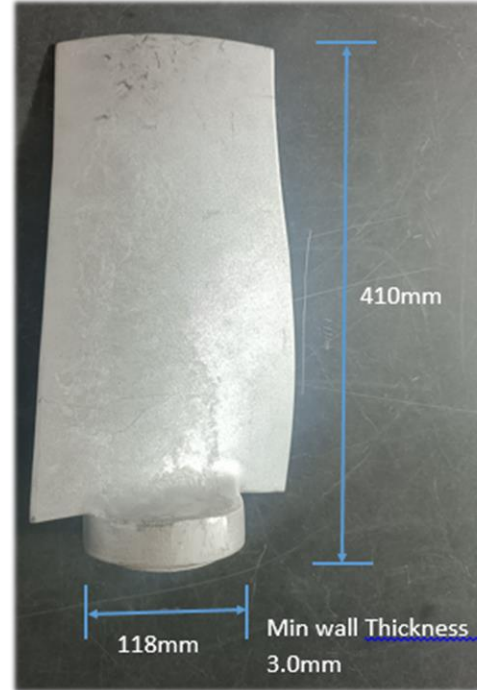
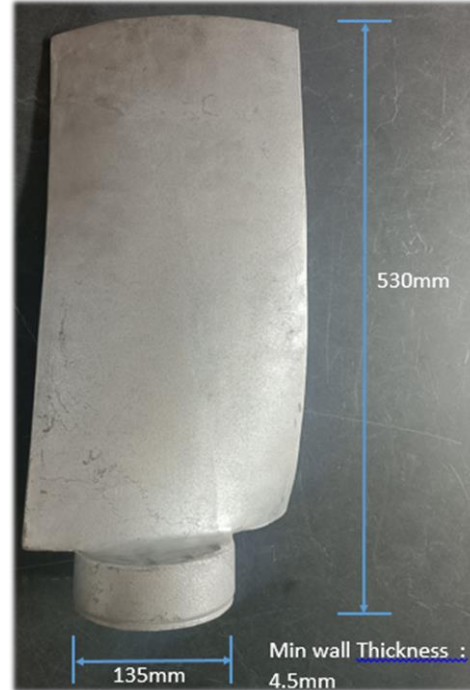


Casting weight:- 2-5 Kg

Special Process:- Type II Hard anodizing

Product Gallery

BLADES (100% Radiography required)



Certifications and Quality Systems



- Quality controls:

All process from Melting to Dispatch is controlled with necessary process controls

- WI for every operation performed.

- Certification :

- 1. ISO 9001 : 2015
- 2. Tamilnadu Pollution Control Board



CERTIFICATE ◆ 證書 ◆ CERTIFICADO ◆ CERTIFICAT



CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that



M/s. DART ENGINEERING AND TECHNOLOGY
Karegoundenpalayam, No.454/1, Door No.7/52A,
Karegoundenpalayam, Annur
Coimbatore – 641653, India

has implemented Quality Management System
in accordance with ISO 9001:2015
for the scope of

**MANUFACTURING AND SUPPLY OF ALUMINIUM GRAVITY DIECASTING
AND HEAT TREATMENT COMPONENTS**

The certificate is valid from 2022-11-08 until 2025-11-07
Subject to successful completion of annual periodic audits
The present status of this certificate can be obtained through TÜV SÜD website by scanning below QR code and by
entering the certificate number (without spaces) on web page. Further clarifications regarding the status & scope of
this certificate may be obtained by consulting the certification body at info@india.tuv.com

Certificate Registration No. 99 100 22773
Date of Initial certification: 2022-11-08
Issue Date: 2022-11-08 Rev. 00




Rajul Kale
Head of Certification Body
of TÜV SÜD South Asia Private Limited,
Mumbai
Member of TÜV SÜD Group





TÜV SÜD South Asia Pvt. Ltd. • TÜV SÜD House • Sakinaka • Andheri (East) • Mumbai - 400072 • Maharashtra • India



TAMILNADU POLLUTION CONTROL BOARD

Category of the Industry
ORANG

CONSENT ORDER NO. 2405161485132 DATED: 24/09/2024
PROCEEDINGS NO.E.2619CB/OS/DEE/TNPCB/CBN/A/2024 DATED: 24/09/2024

SUB: Tamil Nadu Pollution Control Board - CONSENT TO OPERATE - DIRECT - M/s. DART ENGINEERING AND TECHNOLOGY - S.F.No. 454/1A pt. KARAGOONDENPALAYAM village Annur Taluk and Coimbatore District - Consent for operation of the plant and discharge of effluents under Section 21 of the Air (Prevention and Control of Pollution) Act, 1986 as amended in 1987 (Central Act 14 of 1981) -Issued-Reg. (Industry User ID: 024CBN61485017)

Ref: 1. User's CTO-Direct application No. 61485132 dated: 26.08.2024
2. UR No: E.2619CB/OS/DEE/CBN/2024 Dated: 20/09/2024
3. Minutes of the 2780 DLCC meeting held on 20/09/2024 (Item No. 278-3).

CONSENT TO OPERATE is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1986 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as "The Act") and the rules and orders made there under to:

The Person
M/s. DART ENGINEERING AND TECHNOLOGY
S.F.No. 454/1A pt.
KARAGOONDENPALAYAM Village,
Annur Taluk,
Coimbatore District.

Authorizing the acceptor to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of effluents from the said industry.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.


This CONSENT is valid for the period ending March 31, 2024.

C.VANAJA
District Environmental Engineer,
Tamil Nadu Pollution Control Board,
CHENNAI, INDIA.

To:
The Person,
M/s. DART ENGINEERING AND TECHNOLOGY,
Door No.7/52A, Manalpalayam, Karegoundenpalayam, Annur Taluk, Coimbatore,
Pin: 641653.

Cc/ps to:

1
POLLUTION PREVENTION PAYS



TAMILNADU POLLUTION CONTROL BOARD

Category of the Industry
ORANG

CONSENT ORDER NO. 2405161485132 DATED: 24/09/2024
PROCEEDINGS NO.E.2619CB/OS/DEE/TNPCB/CBN/W/2024 DATED: 24/09/2024

SUB: Tamil Nadu Pollution Control Board - CONSENT TO OPERATE - DIRECT - M/s. DART ENGINEERING AND TECHNOLOGY - S.F.No. 454/1A pt. KARAGOONDENPALAYAM village Annur Taluk and Coimbatore District - Consent for operation of the plant and discharge of sewage and/or trade effluents under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) - Issued-Reg. (Industry User ID: 024CBN61485017)

Ref: 1. User's CTO-Direct application No: 61485132 dated: 26.08.2024
2. UR No: E.2619CB/OS/DEE/CBN/2024 Dated: 20/09/2024
3. Minutes of the 2780 DLCC meeting held on 20/09/2024 (Item No. 278-3).

CONSENT TO OPERATE is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) (hereinafter referred to as "The Act") and the rules and orders made there under to:

The Person
M/s. DART ENGINEERING AND TECHNOLOGY
S.F.No. 454/1A pt.
KARAGOONDENPALAYAM Village,
Annur Taluk,
Coimbatore District.

Authorizing the acceptor to make discharge of sewage and/or trade effluents.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending March 31, 2024.

C.VANAJA
District Environmental Engineer,
Tamil Nadu Pollution Control Board,
CHENNAI, INDIA.

To:
The Person,
M/s. DART ENGINEERING AND TECHNOLOGY,
Door No.7/52A, Manalpalayam, Karegoundenpalayam, Annur Taluk, Coimbatore,
Pin: 641653.

Cc/ps to:

1
POLLUTION PREVENTION PAYS

Contact Us



DART ENGINEERING AND TECHNOLOGY

SF No: 454/1, Door No: 7/52A, Masantipalayam, K.G Palayam, Annur Taluk, Coimbatore – 641 653, Tamilnadu.



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Thankyou