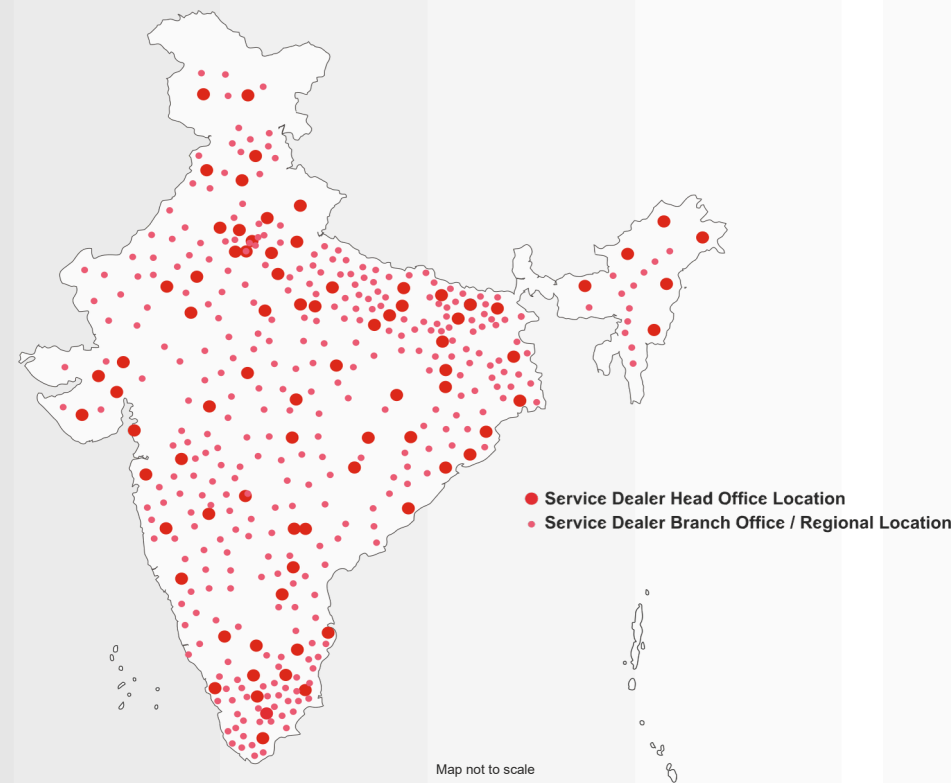


## EXISTING CLIENTS



All client names and logos featured are the property of their respective trademark or copyright owners and do not belong to TMTL.

**PAN INDIA SERVICE NETWORK**



Map not to scale



*You can rely on us...*

 [www.tmtl.in](http://www.tmtl.in)  
 [corporate@tafe.com](mailto:corporate@tafe.com)  
 [fb.com/TMTEngines](https://fb.com/TMTEngines)  
 [linkedin.com/company/TMTEngines](https://linkedin.com/company/TMTEngines)  
 9555912222

**MAASGENERATORSPVT. LTD.**  
**CORPORATE OFFICE** PPT, 1080, PLOT NO- 9, SECTOR- 6, DWARKA, DELHI - 110075  
**PHONE** +91-9868172646 | 9873459820  
**Email** [mass.gensets@gmail.com](mailto:mass.gensets@gmail.com) | **WEBSITE** [www.maasgenerators.com](http://www.maasgenerators.com)  
**FACTORY ADDRESS** Industrial complex, railway road, kathua (J&K)

**TAFE MOTORS AND TRACTORS LIMITED**  
(A wholly owned subsidiary of **TAFE**)

Dealer Stamp



**YOUR POWER TO SUCCESS**

**BEST FUEL ECONOMY      BEST IN RELIABILITY**  
**BEST COST OF OWNERSHIP      BEST IN CLASS SERVICE**

**BEST FUEL ECONOMY      BEST IN RELIABILITY**  
**BEST COST OF OWNERSHIP      BEST IN CLASS SERVICE**



\* Terms and conditions apply



***You can rely on us...***



**EICHER ENGINES**  
AIR COOLED

**TMTL ENGINES**  
WATER COOLED

**#IndiaKaEngine**



OUR HERITAGE

As one of the pioneers in manufacturing diesel engines in the country with a heritage of more than 65 years lending to its expertise, TMTL Engines Division envisages growing exponentially in the power generation segment by providing cutting edge technology, best fuel efficiency, and lowest cost of ownership. In 2005, Tractors and Farm Equipment Limited (TAFE) acquired the tractors, gears, transmission and engines business from Eicher Motors Limited through its wholly owned subsidiary TAFE Motors and Tractors Limited (TMTL). Along with the plant and machinery, TAFE also acquired the right to use the Eicher Engines brand name for engines up to 46 hp (35 kVA).

Through technical collaboration with companies such as Ricardo Consulting (UK), Sisu Diesel and Valtra (Finland), a new range of Engines from 82.3 HP to 160 HP was developed and marketed under the TMTL Engines brand name. Currently both Eicher Engines (5 kVA to 35 kVA) and TMTL Engines are being sold under the umbrella brand of E- TMTL.

TMTL Engines Division offers economical power solutions with custom built products and services to cater to a wide range of institutional and retail customers ranging from banking and finance, rentals, commercial, construction and infrastructure, hospitality, information technology, government and public sector, small and medium enterprises, petrol pumps, educational institutes, residential and hospitals etc., and has an existing base of over 1 million highly satisfied customers.

With an emphasis to meet global standards of quality and productivity, TMTL Engines Division employs quality management tools like TQM, TPM, SGA and Kaizen extensively. The engines plant at Alwar is certified under ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TMTL Engines Division is one of the fastest growing engines manufacturers in India. Backed by a strong, vast and ever-expanding service network it enjoys a dominant market share in the Telecom segment where timely and quality service is a critical factor.

TMTL engines division offers wide range of air and water cooled engines with CRS and non CRS technology which is helping TMTL carve a unique identity for itself in its quest to truly become #IndiaKaEngine.



Eicher Engines are Manufactured and Marketed by TAFE Motors and Tractors Limited, under a license from Eicher Goodearth Private Limited. "EICHER" is the exclusive trademark of Eicher Goodearth Private Limited.

FEATURES & BENEFITS

| ENGINE                                                                                                                                                           |  |                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|
| Cutting Edge Technology                                                                                                                                          |  | Best in Class Fuel Efficiency<br>Lowest Maintenance<br>Longest Oil Change Period<br>Longest Overhauling Period<br>Most Economical Genset |
| A 1 Governing                                                                                                                                                    |  | Quality of Power<br>Lowest Flickering and Fluctuation                                                                                    |
| High Moment of Inertia and Torque                                                                                                                                |  | Best in Class Block Loading Capability<br>Better Performance at Varying Loads                                                            |
| Individual Blowers (Air Cooled Range)                                                                                                                            |  | Even cooling of all the cylinders<br>Better efficiency                                                                                   |
| Turbo Charger with Inter Cooler<br>(Water Cooled Range)                                                                                                          |  | Better Engine Efficiency                                                                                                                 |
| Most Reliable Engines                                                                                                                                            |  | Prime Power Rating available across range<br>Most Powerful Engines in their Class                                                        |
| ACOUSTIC ENCLOSURE                                                                                                                                               |  |                                                                                                                                          |
| CRCA Sheet                                                                                                                                                       |  | Longer Life                                                                                                                              |
| 40 mm PU Foam (5 to 60 kVA)                                                                                                                                      |  | Thickest in its class<br>Low noise and vibration level<br>Super Silent Options available                                                 |
| Silencer Inside the Canopy                                                                                                                                       |  | Better Aesthetics<br>Longer life of Silencer<br>Saves Space                                                                              |
| Compact Size                                                                                                                                                     |  | Suitable for roof top installation                                                                                                       |
| Large Doors on Both Sides<br>Drain Provided for Lube Oil and Fuel Tank                                                                                           |  |                                                                                                                                          |
| Unitary Front and Back Panel<br>Canopy with Internal Bolting<br>Stainless Steel Hinges with SS Studs<br>SS Slam Locks with Barrel & Padlock<br>arrangement       |  | Higher Degree of Safety                                                                                                                  |
| Dual Fuel Lock<br>S-bend Fuel Pipe<br>Stainless Steel Fuel Strainer                                                                                              |  | Pilferage Proof                                                                                                                          |
| State of Art Powder Coating Plant                                                                                                                                |  | Long Life Weather Protection                                                                                                             |
| BEST IN CLASS SERVICE                                                                                                                                            |  |                                                                                                                                          |
| Single Point of Contact<br>Round the Clock Assistance<br>Pan India Service Network<br>Highly Qualified & Trained Service Team<br>Post Service Feedback Mechanism |  | Delighted Customer                                                                                                                       |
| TMTL CARES                                                                                                                                                       |  |                                                                                                                                          |
| 24X7 TMTL Care Number                                                                                                                                            |  | 1 860 425 8685                                                                                                                           |
| Assistance in Load Calculation                                                                                                                                   |  | Optimum Sizing of the Genset                                                                                                             |
| Installation Guidance                                                                                                                                            |  | Better Life and performance                                                                                                              |
| Training of Genset Operators                                                                                                                                     |  | Better Maintenance & Optimization                                                                                                        |
| Customized AMCs/CMCs                                                                                                                                             |  | Lifelong association                                                                                                                     |

TECHNICAL SPECIFICATIONS

| GENSET                               |                                                                                                                                              |             |              |             |                 |             |                            |             |              |             |               |             |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-------------|-----------------|-------------|----------------------------|-------------|--------------|-------------|---------------|-------------|
| Power (kVA)                          | 5                                                                                                                                            | 7.5         | 10           | 15          | 20              | 25          | 30                         | 35          | 40           | 45          | 50            | 60          |
| Genset Model                         | MAAS/5/SP                                                                                                                                    | MAAS/7.5/SP | MAAS/10/SP   | MAAS/15/SP  | MAAS/20/SP      | MAAS/25/SP  | MAAS/30/SP                 | MAAS/35/SP  | MAAS/40/SP   | MAAS/45/SP  | MAAS/60/SP    | MAAS/60/TP  |
|                                      | MAAS/5/TP                                                                                                                                    | MAAS/7.5/TP | MAAS/10/TP   | MAAS/15/TP  | MAAS/20/TP      | MAAS/25/TP  | MAAS/30/TP                 | MAAS/35/TP  | MAAS/40/TP   | MAAS/45/TP  |               |             |
| Duty                                 | Prime                                                                                                                                        | Prime       | Prime        | Prime       | Prime           | Prime       | Prime                      | Prime       | Prime        | Prime       | Prime         | Prime       |
| Control Panel                        | Options Available for AMF/Manual Control                                                                                                     |             |              |             |                 |             |                            |             |              |             |               |             |
| Acoustic Insulation                  | 1800 PU FR- Acoustic Foam                                                                                                                    |             |              |             |                 |             |                            |             |              |             |               |             |
| DG Dimensions in mm<br>L<br>B<br>H   | 1500                                                                                                                                         | 1500        | 900          | 1800        | 2050            | 2050        | 2250                       | 2250        | 2350         | 2350        | 2500          | 2500        |
|                                      | 850                                                                                                                                          | 850         | 1275         | 900         | 900             | 900         | 1000                       | 1000        | 1000         | 1000        | 1100          | 1100        |
|                                      | 1250                                                                                                                                         | 1250        | 1275         | 1275        | 1275            | 1275        | 1425                       | 1425        | 1425         | 1425        | 1575          | 1575        |
| Fuel Tank Capacity (Lt.)             | 50                                                                                                                                           | 50          | 75           | 80          | 100             | 100         | 100                        | 100         | 100          | 100         | 125           | 125         |
| Weight of DG Set (Kg) **             | 650                                                                                                                                          | 700         | 890          | 900         | 910             | 1050        | 1200                       | 1225        | 1270         | 1330        | 1470          | 1470        |
| ENGINE                               |                                                                                                                                              |             |              |             |                 |             |                            |             |              |             |               |             |
| Engine Manufacturer                  | TAFE Motors and Tractors Limited                                                                                                             |             |              |             |                 |             |                            |             |              |             |               |             |
| Engine Brand                         | Eicher Engines                                                                                                                               |             |              |             |                 |             |                            |             | TMTL Engines |             |               |             |
| Engine Model                         | 110A0-EG008                                                                                                                                  | 110A0-EG008 | 115A0-EG010  | 220A0-EG015 | 329A0-EG025     | 329A0-EG025 | 329A0-EG030                | 329A0-EG035 | 333W0-EG040  | 333W0-EG045 | 333W0-EG060   | 333W0-EG060 |
| No. of Cylinders                     | 1                                                                                                                                            | 1           | 1            | 2           | 3               | 3           | 3                          | 3           | 3            | 3           | 3             | 3           |
| Aspiration                           | Naturally Aspirated                                                                                                                          |             |              |             |                 |             | Turbo Charged Inter-cooled |             |              |             |               |             |
| Engine BHP (gross)                   | 11.5                                                                                                                                         | 11.5        | 17.6         | 25.7        | 35              | 35          | 41                         | 46          | 54           | 60          | 76            | 76          |
| Reference Standard                   | Engine - BS: 5514, ISO: 3046, IS: 10000, Genset - ISO: 8528                                                                                  |             |              |             |                 |             |                            |             |              |             |               |             |
| Displacement (cc)                    | 982                                                                                                                                          | 982         | 1558         | 1963        | 2945            | 2945        | 2945                       | 2945        | 3298         | 3298        | 3298          | 3298        |
| Compression Ratio                    | 17.5 : 1                                                                                                                                     | 17.5:1      | 18:1         | 17:1        | 17:1            | 17:1        | 17:1                       | 17:1        | 17.5:1       | 17.5:1      | 17.5:1        | 17.5:1      |
| Type/Class of Governing              | Mechanical / G2                                                                                                                              |             |              |             | Electronic / G3 |             |                            |             |              |             |               |             |
| Bore x Stroke (mm)                   | 100x125                                                                                                                                      | 100x125     | 115x150      | 100x125     | 100x125         | 100x125     | 100x125                    | 100x125     | 108x120      | 108x120     | 108x120       | 108x120     |
| Type of cooling                      | Air Cooled                                                                                                                                   |             |              |             |                 |             |                            |             | Water Cooled |             |               |             |
| Lub oil Sump capacity (with filters) | 5                                                                                                                                            | 5           | 7.5          | 8           | 9.5             | 9.5         | 9.5                        | 9.5         | 7.5          | 7.5         | 7.5           | 7.5         |
| Engine Electrical System             | 12V, 60/65 Ah                                                                                                                                |             | 12V,88/90 Ah |             |                 |             |                            |             |              |             | 12V,99/100 Ah |             |
| ALTERNATOR                           |                                                                                                                                              |             |              |             |                 |             |                            |             |              |             |               |             |
| Phase                                | 1 Phase-2 wire / 3 Phase-4 wire                                                                                                              |             |              |             |                 |             |                            |             |              |             |               |             |
| Voltage                              | 240 V AC / 415 V AC                                                                                                                          |             |              |             |                 |             |                            |             |              |             |               |             |
| Power Alternator Type                | Single Bearing, Brushless, Single / Three Phase, Insulation Class H, Voltage regulation +/- 1%, make - CG / Leroy Somer / Mecalte / Stamford |             |              |             |                 |             |                            |             |              |             |               |             |
| Power Factor                         | 0.8 lag                                                                                                                                      |             |              |             |                 |             |                            |             |              |             |               |             |
| Rated speed / Freq                   | 1500 RPM / 50 Hz                                                                                                                             |             |              |             |                 |             |                            |             |              |             |               |             |

Because of continuous improvements, product specifications and features described herein are subject to change without notice | DG Set Noise level conforming to CPCB norms  
\*\* 1. The weight of the DG Sets is approximate only (With engine lube oil and coolant as applicable but without the Diesel). 2. Tolerance applicable on the weight of the DG Sets +/- 50 Kg owing to variation in the genset accessories and different makes of the alternator.

WARRANTY TERMS

Warranty period covers 2 Years or 5000 Hours run\* (whichever is earlier)  
Warranty on 5C covers 5 Years or 5000 Hours run\* (whichever is earlier)  
\* Terms and conditions apply

PRIME POWER (PRP)

Applicable for supplying power to varying electrical load for unlimited hours.  
Prime Power (PRP) is in accordance with ISO 8528.  
10% overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.



TMTL GENSET CONTROL UNIT

Protection for Over / Under Voltage / Frequency / Speed, Over load, Canopy FAN fault, Load imbalance, Low Lube oil pressure, High cylinder / water temperature, Low Fuel level, Radiator water low, Charging alternator / V-Belt failure etc. Service due prompt - Control unit will display the Service due alert based on running hours