

# TMTL

## TECHNOLOGY HAS A NEW NAME

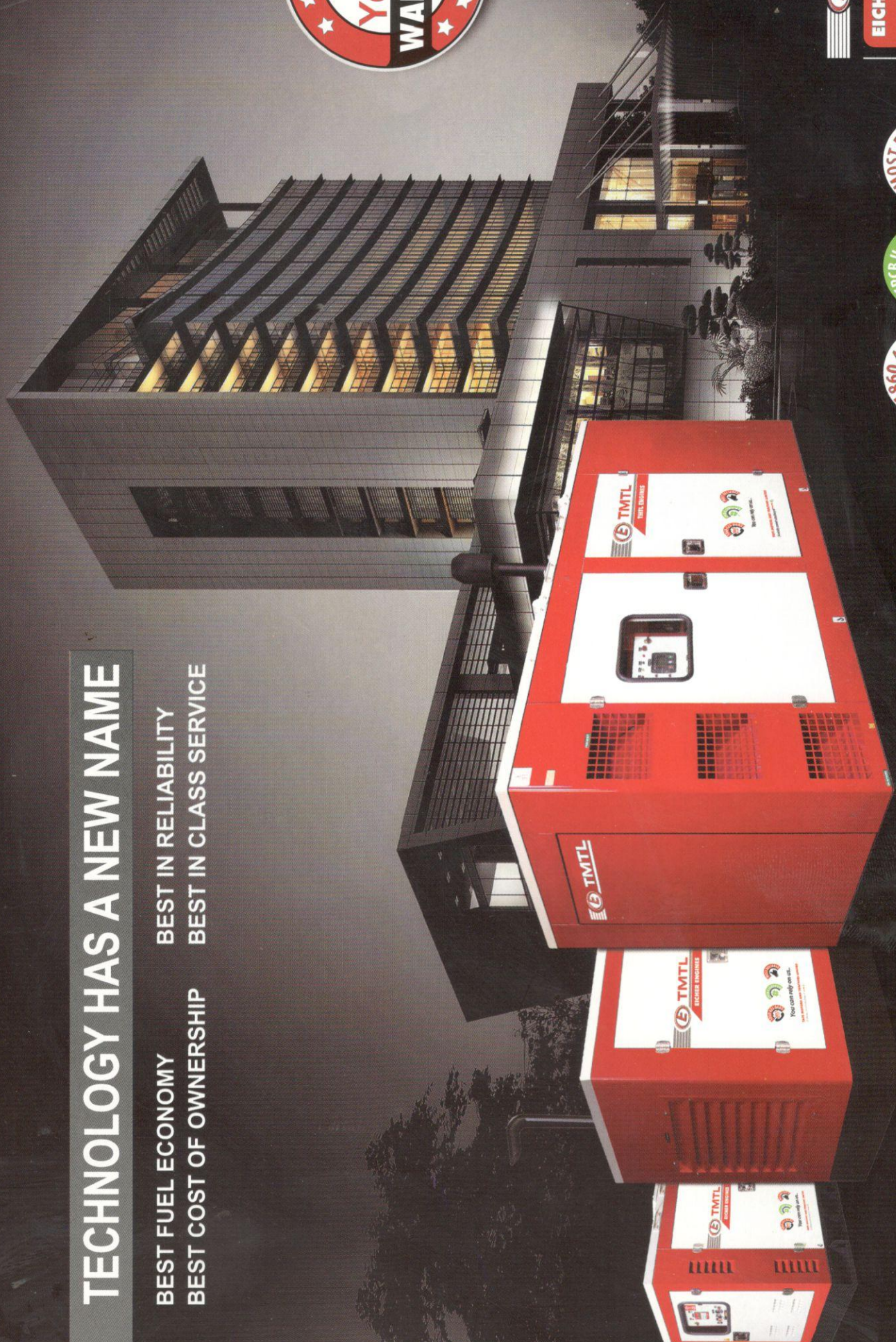
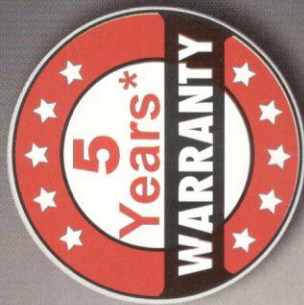
BEST FUEL ECONOMY

BEST IN RELIABILITY

BEST COST OF OWNERSHIP

BEST IN CLASS SERVICE

\* Terms and conditions apply



TMTL

**EICHER ENGINES**  
5 TO 45 KVA

**TMTL ENGINES**  
62.5 TO 125 KVA



Your call only on us

#IndiaK&E



As one of the pioneers in manufacturing diesel engines in the country with a heritage of more than 55 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 60 hp (45 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 (62.5 kVA to 125 kVA) was developed and marketed under the TMTL Engines brand name. Currently both Eicher Engines (5 kVA to 45 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, rental agents, commercial, construction and real estate, 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 7,00,000 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: 9001:2000, ISO: 9001:2008, OHSAS 18001:2007, ISO-14001:2004 and Ts16949.

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's flagship product, 125 kVA genset, is one of the most technologically advanced gensets in India with indigenously developed CRDI engine and Isochronous Governing, 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.

<b>ENGINE</b>	
Cutting Edge Technology	Best in Class Fuel Efficiency Lowest Maintenance Longest Oil Change Period Longest Overhauling Period Most Economical Genset Quality of Power Lowest Flickering and Fluctuation Best in Class Block Loading Capability Better Performance at Varying Loads Even cooling of all the cylinders Better efficiency Better Engine Efficiency
A 1 Governing	Prime Power Rating available across range Most Powerful Engines in their Class
High Moment of Inertia and Torque	Longer Life Thickest in its class Low noise and vibration level Super Silent Options available Better Aesthetics Longer life of Silencer
Individual Blowers (Air Cooled Range)	Saves Space Suitable for roof top installation Ease of Maintenance
Turbo Charger with Inter Cooler (Water Cooled Range)	
Most Reliable Engines	
<b>ACOUSTIC ENCLOSURE</b>	
CRCA Sheet	
40 mm PU Form (5 to 62.5 kVA)	
50 mm PU Form (82.5 to 125 kVA)	
Silencer Inside the Canopy	Higher Degree of Safety
Compact Size	Pilferage Proof
Large Doors on Both Sides	Long Life Weather Protection
Drain Provided for Lube Oil and Fuel Tank	
Unitary Front and Back Panel	
Canopy with Internal Bolting	
Stainless Steel Hinges with SS Studs	
SS Slam Locks with Barrel & Padlock arrangement	
Dual Fuel Lock	
S-bend Fuel Pipe	
Stainless Steel Fuel Strainer	
State of Art Powder Coating Plant	
<b>BEST IN CLASS SERVICE</b>	
Single Point of Contact	Delighted Customer
Round the Clock Assistance	
Pan India Service Network	
Highly Qualified & Trained Service Team	
Post Service Feedback Mechanism	
<b>TMTL CARES</b>	
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



# TECHNICAL SPECIFICATIONS

GENSET		5	7.5	10	12.5	15	20	25	30-35	40-45	62.5	82.5	125
Power (kVA)		5	7.5	10	12.5	15	20	25	30-35	40-45	62.5	82.5	125
Genset Model	SMU/1051R	SMU/1081R	SMU/1101R SMU/3101R	SMU/1131R SMU/3131R	SMU/1152R SMU/3152R	SMU/1202R SMU/3202R	SMU/1253R SMU/3253R	SMU/1303R SMU/3303R SMU/1353R SMU/3353R	SMU/1403AC SMU/3403AC SMU/3453AC	SMU/3633R	SMU/3834R	SMU/31254R	
Duty	Prime	Prime	Prime	Standby	Prime	Standby	Prime	Prime	Prime	Prime	Prime	Prime	Prime
Control Panel	Options Available for AMF/Manual Control												
Acoustic Insulation	PU FR- Acoustic Foam												
DG Dimensions in mm (L X B X H)	1500 850 1225	1500 850 1225	1500 1030 1400	1950 1030 1400	1950 900 1250	1950 900 1250	1950 900 1250	2250 900 1250	2250 1030 1400	2450 1030 1400	2650 1100 1550	3300 1300 1700	3300 1300 1700
Fuel Tank Capacity (Lt.)	50	50	100	100	100	100	100	100	100	100	125	250	250
Weight of DG Set (Kg) **	650	700	925*	940	950	950	950	1050	1200 / 1225	1270 / 1330	1470	1980	2050

## ENGINE

Engine Manufacturer	TAFE Motors and Tractors Limited												
Engine Brand	Eicher Engines												
Engine Model	198 ES	198 ES	222 ES	222 ES	322 ES	323 ES	422 ES	422 ES	422 TC	422 TCI	881 ES	1121 ES	1751 ES
No. of Cylinders	1	1	1	1	2	2	3	3	3	3	3	4	4
Aspiration	Naturally Aspirated												
Engine BHP (gross)	11.5	11.5	18.7	18.7	25.1	25.7	35.5	35.5	48.2	60	82.3	102	160
Reference Standard	Engine - BS: 5514, ISO: 3046, IS: 10000, Genset - ISO: 8528												
Displacement (cc)	981	981	1557	1557	1963	1963	2945	2945	2945	2945	3298	4910	4910
Compression Ratio	17.5:1	17.5:1	17.8:1	17.8:1	17:1	17:1	17:1	17:1	17:1	17:1	17:1	17:1	17:1
Type/Class of Governing	Mechanical / A1 (As per BS 5514)												
Air cleaner	Dry Type												
Type of cooling	Air Cooled												
Lub oil Sump capacity (with filters)	5	5	7.5	7.5	8.0	8.0	9.5	9.5	9.5	9.5	8.0	15	18
Engine Electrical System	12 Volts DC												

## ALTERNATOR

Phase	1 Phase / 3 Phase												
Voltage	240 V AC, 415 V AC												
Power Alternator Type	Single Bearing, Brushless, Single / Three Phase, Insulation Class H												
Power Factor	0.8 lag												
Rated speed / Freq	1500 RPM / 50 Hz												
Type of cooling	Water Cooled												

Because of continuous improvements, product specifications and features described herein are subject to change without notice | DG Set Noise level conforming to CPCB norms

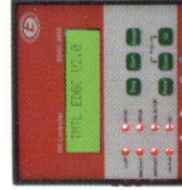
\*\* 1. The weight of the DG sets is approximate only (With engine lube oil and coolant as applicable but without the Diesels). 2. Tolerance applicable on the weight of the DG Sets +/- 50 Kg owing to variation in the genset accessories and different makes of the alternator.

## 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.



## 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



# 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



You can rely on us...

- SMS "DG" to 56677
- [dgsales@tmtl.co.in](mailto:dgsales@tmtl.co.in)
- [eicherengines.tmtl.in](http://eicherengines.tmtl.in)
- [fb.com/TMTLengines](http://fb.com/TMTLengines)

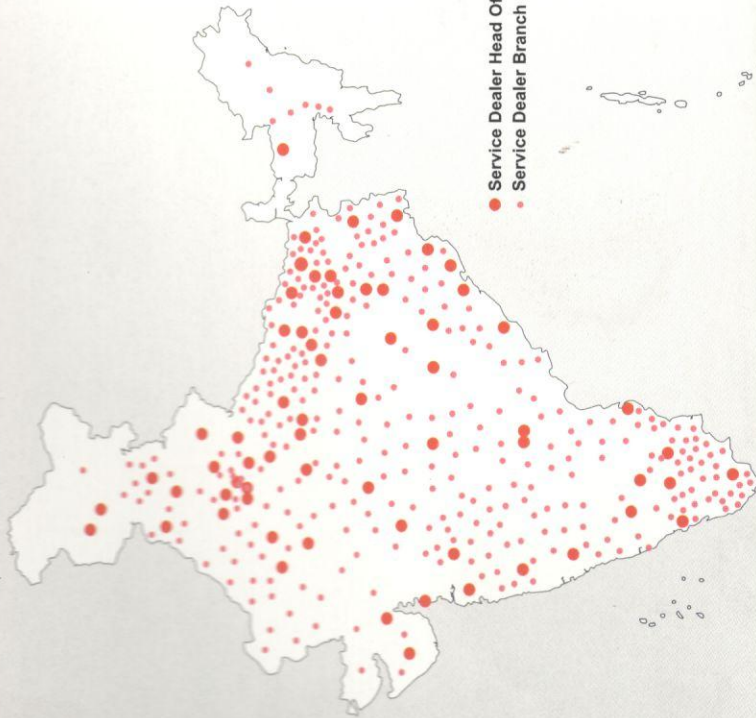
## SHINE METAL UDYOG PVT. LTD.

Authorised OEA of TAFE Motors and Tractors Limited

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Nangla, Faridabad - 121004, Haryana  
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NIT, Faridabad, Haryana - 121001  
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website : [www.shinemetallgroup.com](http://www.shinemetallgroup.com)

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

- Service Dealer Head Office Location
- Service Dealer Branch Office / Regional Location



Dealer Stamp