



**VIRDI**  
TRANSFORMERS

ESTD 1963



**An ISO Certified Company  
Selected Super Products**



**Always a step ahead in technology**

## ABOUT COMPANY

An ISO 9001 : 2015 Certified Company, VIRDI ELECTRIC WORKS PVT LTD. Is one of the India's leading manufacturer and exporter of wide range of transformers and welding machines.

The company has been Established in 1963 & has reputation in the market and manufactured to meet the international standard of quality. Also our products come with two years warrantee.

VEWPL Mission is to continuously invent high - quality engineering products that will produce a cost effective and is optimal for our clients.

## OUR GOALS

- To consolidate and expand our leadership and presence on the international market strong efforts addressed to insufficiently protected market.
- To continuously increase know-how and gear our attempts to guarantee customer satisfaction. To intensify our attentions to cost reduction in order increase our competitiveness.
- Optimum performance of any electrical or electronic equipment is highly depended on the stability of the applied mains voltages. Wide deviations from the normal voltages both in the higher side and lower side can produce harmful effects.



## WHY BUY VIRDI

- Trust of 60 Years Working Experience.
- Usage of fresh raw materials as per is/ international Standards.
- Experienced and skilled manpower.
- Excellent service after sales team across India subcontinent.
- Through testing of transformer servo voltage stabilizer as per applicable standards.
- Strong customer base of repeat customer and industrial user.
- Super strong process check at every stage during manufacturing.

**Quality Assurance:** Each product undergoes rigorous quality checks to meet international standards, ensuring durability and reliability.

**Innovation:** We stay at the forefront of technological advancements, consistently integrating the latest innovations into our products.

**Customer-Centric Approach:** Our dedicated team is committed to understanding and meeting the unique requirements of our clients, providing tailored solutions that exceed expectations.

**Global Presence:** With a strong presence both domestically and internationally, we have successfully catered to a diverse range of industries and sectors.

**Environmental Responsibility:** We prioritize sustainability by adopting eco-friendly practices in our manufacturing processes, contributing to a greener future.





“Our company’s strength lies not only in our products and services but in the spirit of our team. Your passion and dedication make all the differences. All the Best!”

**Managing Director – Gurmeet Singh Virdi**





## OUR PRODUCT RANGE

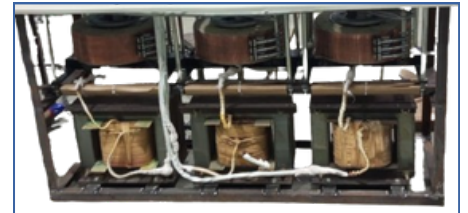
### SERVO VOLTAGE STABILIZER

Viridi, Servo Voltage Stabilizer, ISO 9001-2015 Standards (IS:9815) Single And Three Phase , Air/Oil Cooled , Input range 160/270/ 300/470v, Output Range 220/ 400 Volts.

#### OPTIONAL FEATURES & PROTECTIONS:-

- High Voltage Cut Off
- Over Load Cut Off
- Single Phase Preventer
- Phase Sequence Corrector
- Changes Over Or By Pass Provision
- Phase Reversal Cut Off
- Low Voltage Cut Off
- Short Circuit Protection
- Earth Fault Protection
- Surge & Spike Protection

**Application :-** \* Air Conditioning Plants \* Oil Industries \* Medical Equipment's \* Hotels\* Offset Printing Units \* Information Technology \* Textile Industries\* Mall & Commercial Complexes .



### LINEAR TYPE SERVO VOLTAGE STABILIZER

Viridi, Linear Servo Voltage Stabilizer Input Supply 300/260 240/190 Volts, Roller Contacts, Outdoor Type Digitally AC Voltmeter With selector switch to measure to input/ output voltages, microprocessor fully automatic control.

**Upto:-** 60 KVA TO 3000 KVA

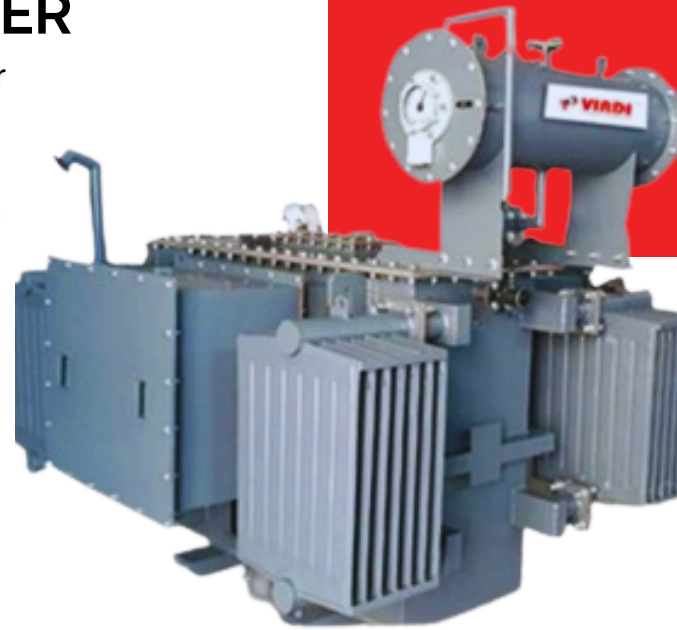
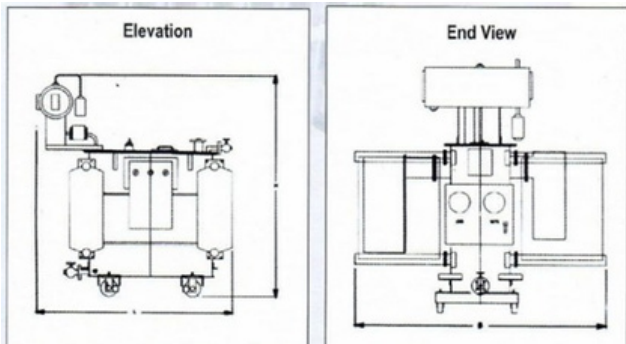
#### Advantages of VIRDI Servo Stabilizer

- Corrects Voltage automatically and continuously
- Synchronous motors operate at highly efficiency when supplied with constant voltage.
- Protects costly equipment from menace of high/low voltage thus cutting down the maintenance cost.
- Low production losses & better efficiency in plant
- Increase productivity
- 100% depreciation as per income tax act.
- Save the diesel cost, as generator is not required to run at high/ low input voltage,

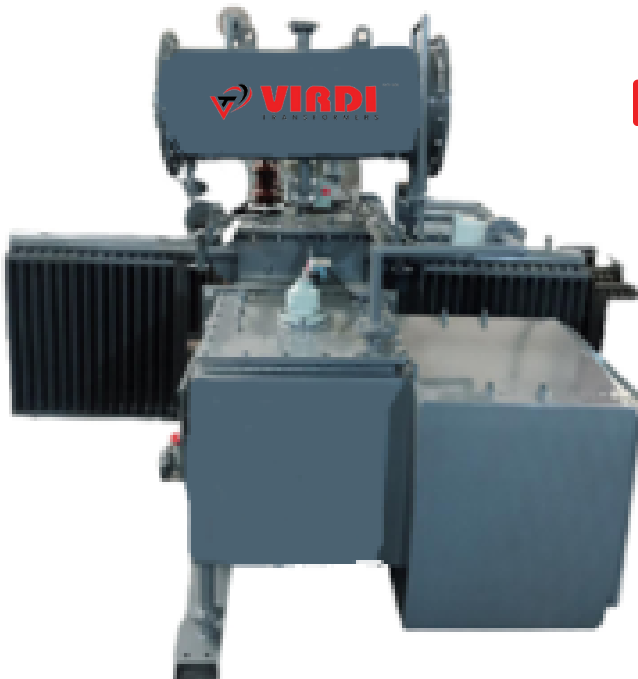


## ■ DISTRIBUTION TRANSFORMER

Virdi, Distribution Transformer Aluminum/ Copper Winding, Outdoor type, Input Rated 11kv/Output Rated .433Volts, Tapping Off circuit tap changer shall be provided on HV winding in variation from  $\pm 5\%$  in steps of 2.5%, Vector Group DYN11, Cooling ONAM.



**Application :-** \* Air Conditioning Plants \* Cement Plants \* Oil Industries \* Farm House \* Information Technology \* Textile Industries \* Induction Heating Plants.



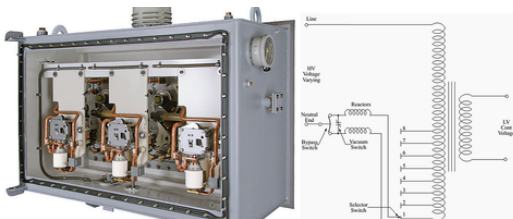
## ■ OLTC TRANSFORMER

Virdi, OLTC Transformer Three Phase, Copper winding, Outdoor Type, Input Rated 11kv/Output Rated .433Volts, Tapping On Load tap changer shall be provided on HV winding in variation from  $\pm 5\%$  in steps of 2.5%, Vector Group DYN11, Cooling ONAM.

OLTCs enable voltage regulation and/or phase shifting by varying the transformer ratio under load without interruption.

**Upto:-** 500 KVA TO 3000 KVA

**Application :-** \*Healthcare Industry \* Commercial Buildings \*Data Centres \* Heavy Industries..



## ■ FURNACE TRANSFORMER

Virdi, Furnace Transformer Oil Cooled, Digital Metering, Indoor Type, Copper Used, Manual Mode Operation, Three Phase, Six Step Tapping, Connections Primary/ Secondary, Vector Group DY11.

Furnace Transformers are special & sophisticated Transformers designed and tuned to the inverter circuit which applies a medium frequency (generally 500 Hz or 1000 Hz) voltage to the Induction coil.

The inverter circuit requires a D.C. Voltage for its operation, which is obtained by converting available three phase A.C.Voltage application, special transformers are designed and supplied. These are essentially Rectifier / Converter Duty Transformers. We supply transformers for different types of furnaces such as Arc Furnaces, Ladle Furnace, Induction Furnace etc.

**Upto:-** 25 KVA TO 3000 KVA



## ■ ISOLATION TRANSFORMER

Virdi, Isolation Transformer Suitable For Balanced Load, Oil Cooled, Single And Three Phase, Ratio-1.1, 400/400 Volts Primary Delta, Secondary Star, 50 Cycles, 98% Efficiency.

Isolation transformers are used in transmission and distribution networks to step up and down voltage levels where the voltage and current capacities on both coils are equal. An essential function of an isolation transformer is to eliminate voltage spikes in supply lines that can cause service interruptions or damage equipment if they reach the load.

**Upto:-** 25 KVA TO 3000 KVA

**Application:-** Isolation transformers with electrostatic shields are used for power supplies for sensitive equipment such as computers, medical devices, or laboratory instruments.





## ■ CVT

Virdi, Constant Voltage Transformer, Input Voltage 180/270 Volts Output Voltage 230v, 50 Hz, Frequency 1% change In Line, Air Cooled CVT.

Constant Voltage Transformer is also called a voltage regulator. CVT is used in tank circuits specially made of high-voltage winding and capacitors to deliver uninterrupted average output with unstable input.

**Upto :-** 500 VA TO 10 KVA

**Application :-** \*Audio & Video \*Photo processing lab \* Telex \* Fax \* EPABX \* Data processing \* Cash register \* Internet application.



## ■ ELECTROPLATING RECTIFIER

Virdi, Electroplating Rectifier Single & Three Phase, 50 cycles, Oil Cooled, Indoor Type, Winding- Electrolyte Copper strip/wire, Controller-Step less (Varaice type).

The electroplating rectifier is a plating rectifier for metal plating solution that is needed for all sector. When the operator starts the process, the output voltage keeps increasing from zero, and then turns back to zero again.

This process can be repeated indefinitely or for a limited time according to your needs and wishes. This way, you can spare your work force.

**Upto:-** 50 amps to 15000 amps

**Application:-** Anodizing, \*\* Plating \* Hard Anodizing

## PROJECTION WELDING MACHINE

Virdi, Projection Welding Machine Two Phase, 50 Cycles, Pneumatic (Air Operated), SCR Control with 4 stage system, Transformer Winding Electrolite Copper Strip Transformer / Electrodes/SCR / Water cooled.



Projection welding is to pre-process one or more raised points on the bonding surface of a workpiece, make it in contact with the surface of another workpiece, pressurize it and heat it with electricity, and then collapse it, so that these contact points form resistance welding of solder joints.

**Upto :-** 35 KVA TO 250 KVA

**Application :-** \* Sheet Metal Industries, \* Nuts to pate \* welding the parts of refrigerator \* welding Studs.

## SEAM WELDING MACHINE

Virdi, Seam Welding Machine Two Phase 50 Cycles, attachment Longitudinal/Circumference type Electrolyte, Copper Chromium, M.S /S.S Sheet.

A seam welding machine has one or two motor-driven wheels rotate to create a series of overlapping spot welds on sheet components to achieve air and/or liquid proof sealing on the welded part.

The current passes through these rollers and the components to be welded are pressed in between them. The electrical resistance within the electrode rollers generates heat that joins the weld materials continuously.

**Upto:-** 35 KVA TO 250 KVA

**Application :-** \*Gas or fluid-tight joints in a variety of sheet \*metal fabrications. \* Steel fuel tanks for motor vehicles \* steel drums , \* domestic radiators.





## ■ PNEUMATIC SPOT WELDING MACHINE

Virdi, Pneumatic Spot Welding Machine, Two Phase, Input 415 Volts, 50 Cycles, Copper, Water Cooling in Arm Holder / Electrodes Thyristor Control with 4 stages .

It is simply a spot welder with portable and pneumatic function. The pneumatic spot welding machine is perfectly suitable for a broad range of applications. It can be found both in small workshops and high production large factories.

**Upto:-** 5 KVA TO 35 KVA

**Application:-** Automotive, \*Aerospace, \*Rail, \*Metal furniture,\* Sheet Metal Industries.



## ■ PEDAL SPOT WELDING MACHINE

Virdi, Pedal Spot Welding Machine Single & Two Phase Input Range 220/380 Volts, 50 Cycles, Copper, Water Cooling in Arm Holder / Electrodes.

Pedal Spot Welding Machine is operated by pedal & used to welding 1+1 sheet. We placed one sheet on another sheet between the electrode & press the pedal. The current flow from the transformer to the sheets through the welding arm. As we know that the heat produced is directly proportional to the resistance of the conductor therefore the resistance of the sheet will produce heat. This heat will melt the metal & pressure applied through the pedal will form a solid weld nugget.

**Upto :-** 5 KVA TO 35 KVA

**Application :-** \* Automotive, \*Aerospace, \*Rail, \*white goods, \*Metal furniture, \* Electronics, \* Medical Building \*construction.

## LASER WELDING MACHINES

Virdi, Laser welding is a precise and surprisingly delicate welding process that uses beam light to join metal parts. The laser beam is produced by a freestanding laser source and directed to a machine-mounted or hand-held collimator 'torch' and onto the workpiece.

**Laser Power:** This is the amount of energy delivered by the laser to the workpiece. Higher laser power allows faster welding and greater penetration, but good control of power levels is critical in achieving good welds.

**Joint Design:** Joint design affects weld quality significantly. Close conformance/fit between parts and accessible weld positions are very beneficial in weld quality.

**Upto:-**1000 w-3000w

**Application Range** \*widely used in kitchen \*household appliances \*advertising \*molds, \*stainless steel doors and \*windows, \*handicrafts furniture, \*auto parts.



## PNEUMATIC BENCH TYPE SPOT WELDING MACHINE

Virdi, Pneumatic Bench Spot Welding Machine Single & Two Phase, Input Supply 220/380/415 Volts, 50 Cycles, Copper Winding, Arm Holder/ Size Gun Metal, Water Cooling / Electrodes.

**Upto :-** 15 KVA to 35 KVA

**Application** - Bench type spot welding machines are used for welding of small and critical components in the manufacture of artificial jewellery, spectacle frames, switchgear, electrical and electronic components, etc.



## ■ HAND SPOT WELDING MACHINE

Virdi, Hand Spot Welding Machine Single & Two Phase 50 Cycles, Copper Winding, Transformer Cooling - Air Cooled, with Complete Earth Cables, Output Main Cables, Gun and Control Cables etc.

A welding gun directs the wire to the joint, transfers the welding current to the wire and provides the gas for shielding the arc and weldpool. For light duty work, air-cooled guns rely on the shielding gas passing through the body to cool the nozzle and have a limited current-carrying capacity.



**Upto :-** 10 KVA TO 25 KVA

**Application:-** \* Almira Industries, \* Automobile Industries \* completely automated.



## ■ HOT STAKING WELDING MACHINE

Virdi, HOT Staking Welding Machine Two Phase 50 Cycles Input 380/415Volts, Cooling Transformer/ Electrodes/SCR/ Water, Foot Switch, SCR Control with 4 Stage System, Transformer Winding Electrolite Copper Strip, Gauge ability etc.

Hot Staking eliminates the need for extra hardware, which can become defective, break, or otherwise suffer from quality control issues. Additionally, hardware fasteners tend to be more expensive and labor intensive than heat staking plastic fastening options.

**Upto :-** 10 KVA TO 50 KVA

**Application-** This machine is applied to DC motor and universal motor.

## ARC WELDING MACHINE

ARC Welding Machine Single & Three Phase,  
Input Supply 220/380 Volts 50 Cycles, Air Cooled,  
Application M.S Sheet.

**Upto:-** 200 amps to 600 amps

**Application:-** \* repairing of broken parts of machines \*  
welding of cast iron and frames \* automotive industries, \*  
shipbuilding.



## MIG WELDING MACHINE

MIG Welding Machine Single & Three Phase,  
220/380 Volts 50 Cycles Air Cooling With  
Complete Power Source, CO2 Regulator,  
Heater, Flow Meter, etc.

Metal Inert Gas (MIG) welding is an arc welding  
process that uses a continuous solid wire electrode  
heated and fed into the weld pool from a welding  
gun. The two base materials are melted together  
forming a join.

### Advantages

The main advantage of MIG welding is the speed of  
the process. Compared to other welding styles, it  
can contribute to shorter production times and, as a  
result, lower costs. Other advantages include:

1. It is easy to learn.
2. The process doesn't require highly skilled operators.
3. Finished welds do not need much (if any) cleaning or finishing.
4. It's suitable for thin materials.

**Upto:-** 200 amps to 600 amps

**Application:-** \* repairing of broken parts of  
machines \* welding of cast iron and frames \*  
automotive industries, \* ship building.



## ■ TIG WELDING MACHINE (AC/DC)

TIG Welding Machine Single & Three Phase, 220/380 DC Volts, with Complete Welding Torch Power Source Argon Gas Regulator, Gas Pipe, etc.

TIG allows you to create clean welds when appearances count. Because the heat input is often controlled by pressing on a foot pedal, similar to driving a car, TIG welding allows you to heat up or cool down the weld puddle giving you precise weld bead control.

AC/DC TIG Welding Machine Three Phase, Input Supply 380/415 Volts 50 Cycles , AC DC Volts, Steeples Control.

**Upto:-** 200 amps to 400 amps

**Application:-** \* Pipeline \* Pipe welding \* aviation \* Aerospace \* Sheet Metal Industries \* Aluminum, \* Stainless Steel, \* Carbon Steel, \* Copper, \* Titanium, \* Nickel Alloy.



## ■ AIR PLASMA CUTTING MACHINE

AIR Plasma Cutting Machine Inverter Based Portable Welding Single & Three Phase, 50 Cycles, Cutting Thickness-5/8/10/15/20/35/50 mm .

Plasma is a melting process in which a jet of ionised gas at temperatures above 20,000°C is used to melt and expel material from the cut.

**Upto:-** Cut 50 to Cut-300

**Application :-** \* Fabrication Shops,\* Automotive Repair\*Restoration, \*Industrial Construction,\*Salvage , \*Scraping Operations.



## ■ POWER FACTOR PANEL

Power Factor is the ratio of active power to apparent power and it is a major component in measuring electrical consumption. APFC is an automatic power factor control panel which is used to improve the power factor, whenever required, by switching ON and OFF the required capacitor bank units automatically.

APFC panels help reduce Reactive Power and Apparent Power Demand. These panels also help to avoid Power Factor Surcharges & Maximum Demand Penalties. It reduces the risk of Operational Issues and Power Loss.

**Upto :-** 30 KVAR TO 500 KVAR

**Application:-** power plants, steel rolling mills this link, sugar plants, cement plants, chemical plant, dairy plants, Textile, sugar, Hospital, Automobile, and building segment, etc.



## ■ ONLINE UPS

An Online UPS is a type of uninterruptible power supply that utilises either a double or delta conversion technology. With double conversion, network equipment does not receive electricity directly from the AC outlet. Instead, AC power travels to a rectifier, where it becomes DC power.

VIRDI offers one-step for UPS Solution from desktop System to industrial application . Customer needs have been understood for various application areas and products designed based on these input.

**Upto :-** 5 KVA TO 500 KVA

**Application:-** 1. Computers, Data Centres, Server rooms, Search Data Centres \* Network Operation Centres \* Process Industries.



## TEAM TRUE BLUE



**Ashmita Kaur**  
Head Of Sales & Marketing

To be the driving force behind our company's growth and market leadership, I envision a dynamic sales and marketing team that consistently exceeds expectations, embraces innovation, and builds enduring relationships with clients and partners.

Our vision is to not only meet market demands but to anticipate and shape them, setting new benchmarks for excellence and leaving an indelible mark on our industry.



**Venraj Singh**  
Head Of Production

As the Head of Production, my vision is to lead a world-class manufacturing team that sets industry standards for efficiency, innovation, and quality.

I envision a production department that seamlessly integrates cutting-edge technologies and sustainable practices to deliver products that not only meet but exceed customer expectations.



# TEAM TRUE BLUE



## ■ OUR VISION

At " Virdi Electric Works Pvt Ltd . We aspire to be a globally recognized lead in manufacturing industry renowned for our innovation, excellence and sustainable solutions . Our vision in to empower businesses and communities with high technology, censuring a reliable and efficient power supply that factors progress and prosperity .

## ■ OUR MISSION

Our Mission for Virdi Electric Works Pvt Ltd is to design manufacture and deliver high quality servo voltage stabiliser, power transformer and welding machine that exceed customer expectations. Through continuous innovation, ethical practices, and a commitment to environmental sustainability we aim to:-

- Customer Excellence
- Innovation
- Employees Empowerment
- Environmental Responsibility
- Partnership and Collaboration
- Community Impact

By aligning Our Daily Operations and strategic decisions our daily operations and strategic decisions with this mission and vision, we strive to be at the forefront of our industry , delivering value to our customers and the industries we serve.



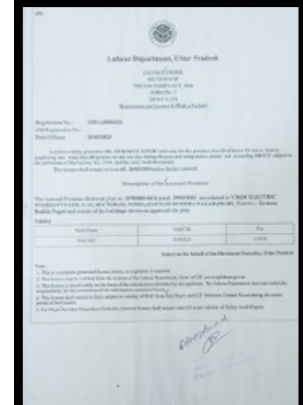


## OUR FINISHED GOODS

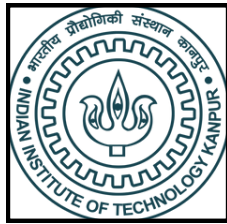




# OUR PARTICIPATION & AWARDS

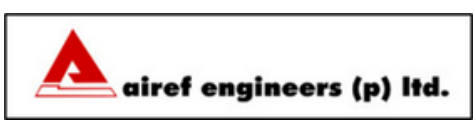


## Government Sector Clients



## Private Sector Clients







# Client List

## Exports House

- Alaska Export
- BOUTIQUEINTERNATIONAL, NOIDA
- MAGFILTERS & EQUIPMENT PVT LTD, GURGAON
- ANKH EXPORT, NOIDA
- SATKARTAR EXPORTER, DELHI
- AVAL FASHION HOUSE, NOIDA

## SHOWROOMS

- APPEAL FURNISHING, DELHI
- RC JWELLWERS
- 1ST HALLMARK JWELLERY, DELHI
- MAGIC TREE, DELHI
- MLAL & SONS JWELLERS, DELHI
- COMPETENT AUTOMOBILE, DELHI

## BANKS

- PUNJAB NATIONAL BANK, DELHI
- O.B.C BANK, DELHI
- THE KHATTRICO-OP URBAN BANK, DELHI
- S.B.I. BANK, DELHI CANARA BANK, DELHI

## HOTELS, RESTAURANTS & BANQUET HALL

- HOTEL FLORENCE, DELHI
- PARANTHAN JUNCTION, DELHI
- TARANG BANQUET HALL, DELHI
- BIKANERFOODS PVT LTD, DELHI

## BUILDERS

- Gaur Son Builder Pvt Ltd
- SAVIORS BUOLDERS, GHAZIABAD, U.P.
- ANSAL PALAM CLUB, GURGAON
- GULSHANDEVELOPERS PVT LTD, U.P.
- CROSSING INFRASTRUCTURE LTD, U.P.
- CITY LINKER INFRASTRUCTURE LTD, U.P.
- SANGWANDEVELOPERS PVT LTD, DELHI

## PETROL PUMPS

- KUNDANLAL SERVICE STATION, DELHI
- BADRINATH & SONS, DELHI
- VICTORY SERVICE STATION, DELHI
- KAPOOR SERVICE STATION, DELHI
- MARTINMOTORS, DELHI

## FARM HOUSE

- CDR FARM HOUSE, DELHI
- SWAGAT FARM HOUSE
- SHARMAFARM HOUSE, DELHI
- USHA MARTIN FARM HOUSE, DELHI
- GAGAN FARM HOUSE, DELHI
- ORIENT CEREMIC LTD, DELHI
- J K JAIN FARM, DELHI
- RAJEEV FARM HOUSE, DELHI

## OVERSEAS

- MURANO GLASS FACTORY, DUBAI, UAE
- GENERAL ALUMINIUM & GLASS FACTORY, DUBAI, UAE

## GENERAL INDUSTRIES

- .Airef Engineering Pvt Ltd
- AG Faster
- L & TLTD, DELHI
- GARGINOX LIMITED, PUNE/HARYANA
- BALAJI WIRES PVT LTD, GHAZIABAD
- BANSAL WIRES PVT LTD, GHAZIABAD
- SINDIA STEELS PVT LTD, NASIK
- HELLA ELECTRONICS PVT LTD GURGAON
- GEAR INDIA, GHAZIABAD, U.P.
- AERO ENTERPRISES, DELHI
- QUADRANT EPP SURLONINDIA LTD, GHAZIABAD/UTTARANCHAL
- INDEUEOCH INDIA PVT LTD, GURGAON
- MARUTISUZUKI LTD. GURGAON
- HITACHI METGLASS PVT LTD, GURGAON
- COILS & TRANSFORMERS INDIA PVT LTD, HARYANA
- SSR METALS PVT LTD, U.P.
- ABHINAV STEELS PVT LTD, U.P.
- MEX STORAGE SYSTEMS PVT LTD. NOIDA/DELHI

## INSTITUTIONS

- APTECH, DELHI WINTECH, DELHI
- E2CS, DELHI
- OXFORD SOFTWARE, DELHI
- LITTLE ANGLES SEC. SCHOOL, HARYANA
- VANASTHALI PUBLIC SCHOOL, DELHI/NOIDA
- SARDAR PATEL SCHOOL, DELHI
- HAPPY PUBLIC SCHOOL, DELHI

## PRINTING & PUBLISHER

- KUMAR OFFSET PRINTING, DELHI
- SHANKAR PROCESS, DELHI
- ROYAL OFFSET PRINTING, DELHI
- KAVERI PRINT PROCESS LTD, DELHI
- PASRICHA PRESS, DELHI
- KRISHNA PRINTING, DELHI
- SWASTIK PRINTERS PVT LTD, DELHI
- STANDARD CARTOON PVT LTD, DELHI
- SANJEEV OFFSET, DELHI
- PERFECT ROTORY OFFSET PVT LTD

## MEDICAL INSTITUTE & HOSPITALS

- SURYA HOSPITAL, DELHI
- JAIN CHARITABLE HOSPITAL, DELHI
- NIDHAN HOSPITAL, HARYANA
- SAHOTA HEALTHCARE, UTTRAKHAND
- ANAND CAT SCANE CENTRE, DELHI
- TANEJA HOSPITAL, DELHI
- GOYAL EYE INSTITUTE, DELHI

## GOVT. DEPTS.

- DEFENCE, LEH, J&K
- INDIA METRO LOGICAL DEPT, DELHI
- BRAHMOS AEROSPACE
- TIRUVANTHAPURAM LTD, KERELA



# THANK YOU!



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