



**AURO** IMPEX & CHEMICALS LIMITED



**RELIEVING AIR POLLUTION**

**LEADER IN MANUFACTURING OF APC EQUIPMENT  
PARTS.**

# AURO INTRODUCTION



- **AURO IMPEX & CHEMICALS LTD** is an AURO Group Company catering to the ever growing domestic and international network, with focus on manufacturing, exporting and supply of industrial air pollution control equipment. Over the years, **AICL** has built a strong clientele across power utilities, metallurgical plants, cement plants amongst others. **AICL** in its endeavour to support major Electrostatic Precipitator OEMs' have built a portfolio that can support the demands of varied designs & profiles.
- The factory is located within 2 hours of Kolkata , India city centre with access to the National Highway and approximately 50 Kms from Kolkata Sea Port & 90 Kms from Haldia Sea Port.



**AICL**

***Factory at Dhaniakhali, West Bengal***

# AURO JOURNEY



1990

- **AURO Enterprise was founded by Shri. Madhusudan Goenka in Kolkata , West Bengal , primarily as a trading company for foundry flex and ferrous & non ferrous- alloys.**

1995

- **Auro Industries Ltd was incorporated taking over the trading business and steadily expanded into importing of Electrostatic Precipitator ( ESP ) components & exporting essential parts to battery industry.**

2012

- **Auro Impex & Chemicals Pvt Ltd as a subsidiary of Auro group was established and state of the art manufacturing facility was built . The company is engaged in air pollution control equipment and fabrication**

2019

- **Auro Industries Ltd ventured into wholesale distributorship of tyres using there established network of suppliers & clients across India.**

2023

- **Auro Impex & Chemicals Ltd become listed company with NSE. A new High frequency transformer rectifier (HFTR ) factory has been envisioned and will soon be in operation.**

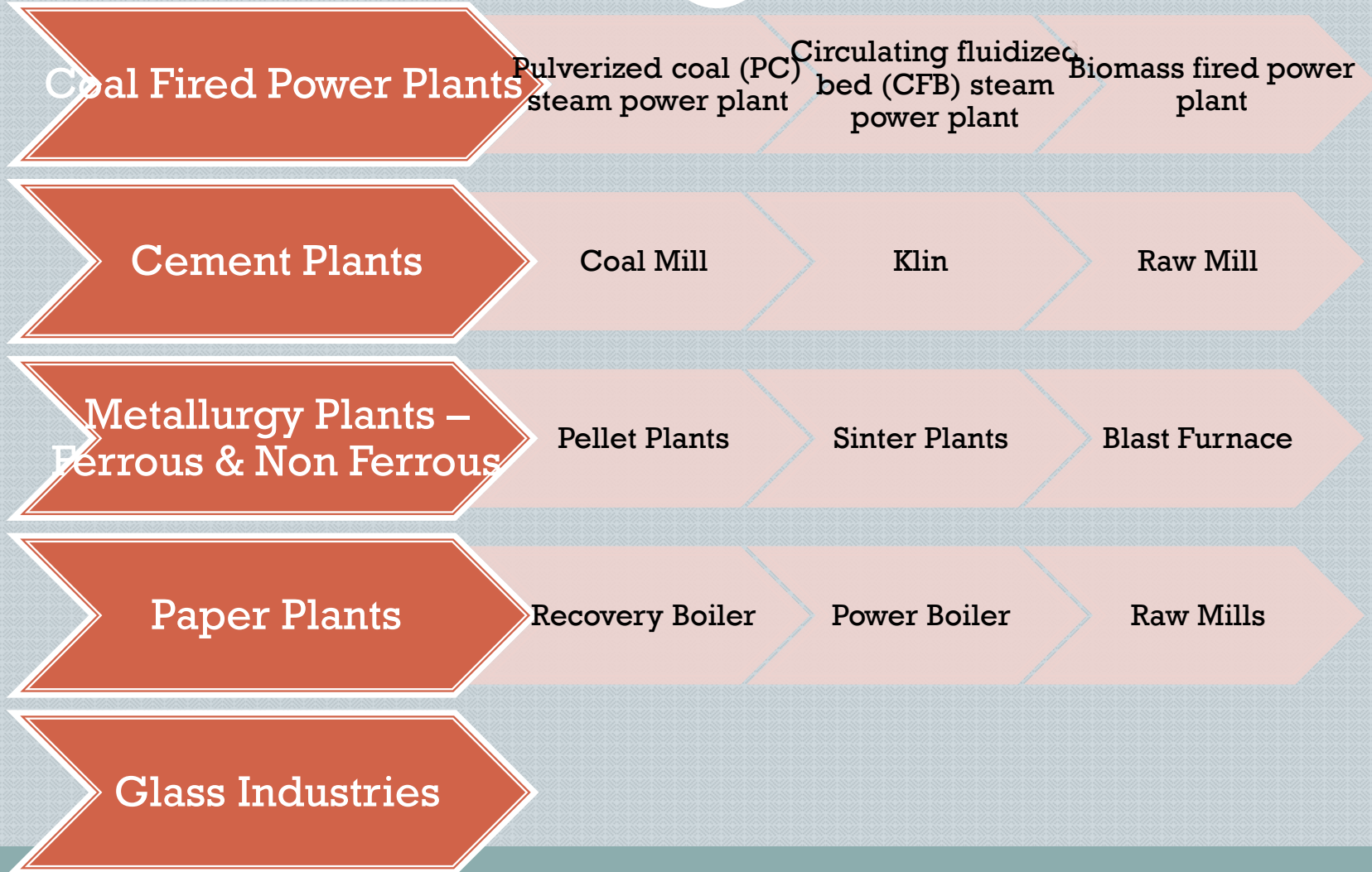


# AURO JOURNEY



***AURO GROUP IN ITS JOURNEY OF PAST THREE DECADES HAS BEEN SEEING CONTINUAL GROWTH WITH EVERY PASSING YEAR. STARTING FROM HUMBLE BEGINNING , AURO STANDS TO ACHIEVE A TURN OVER OF 240 + CR WITH A STRONG FOCUS IN GAINING NEW HEIGHTS IN ITS CORE BUSINESS AREA.***

# INDUSTRIAL SECTORS OF AURO



# AURO PRODUCT PORTFOLIO



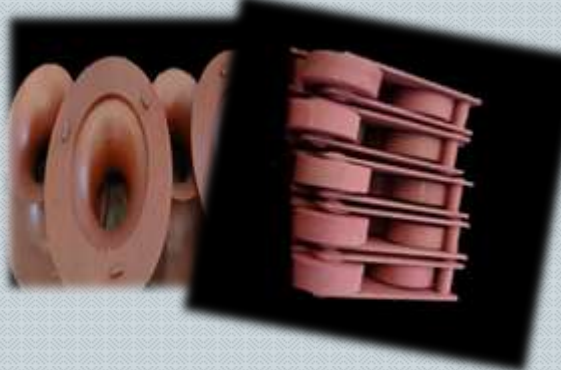
**COLLECTING ELECTRODE**



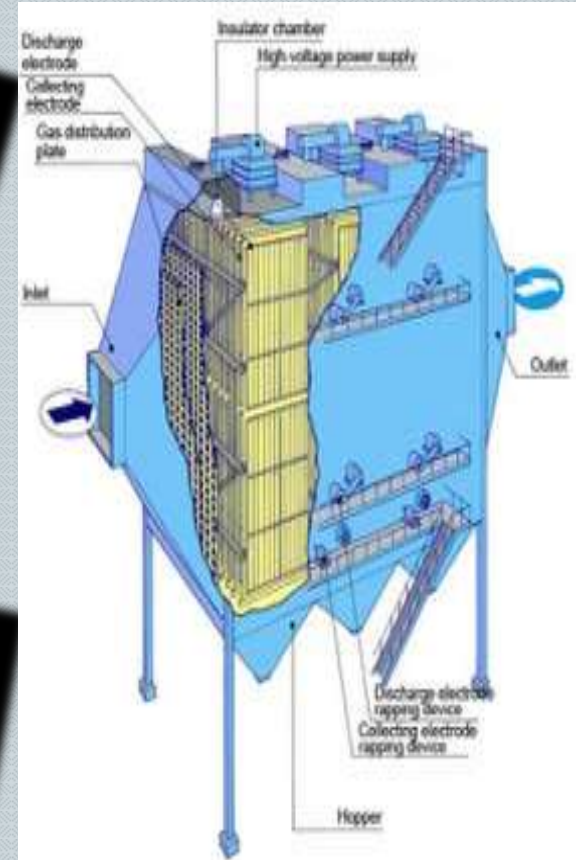
**EMITTING ELECTRODE**



**ESP BUSHINGS**



**ESP INTERNALS PARTS**



**ELECTROSTATIC PRECIPITATORS  
(ESP)**



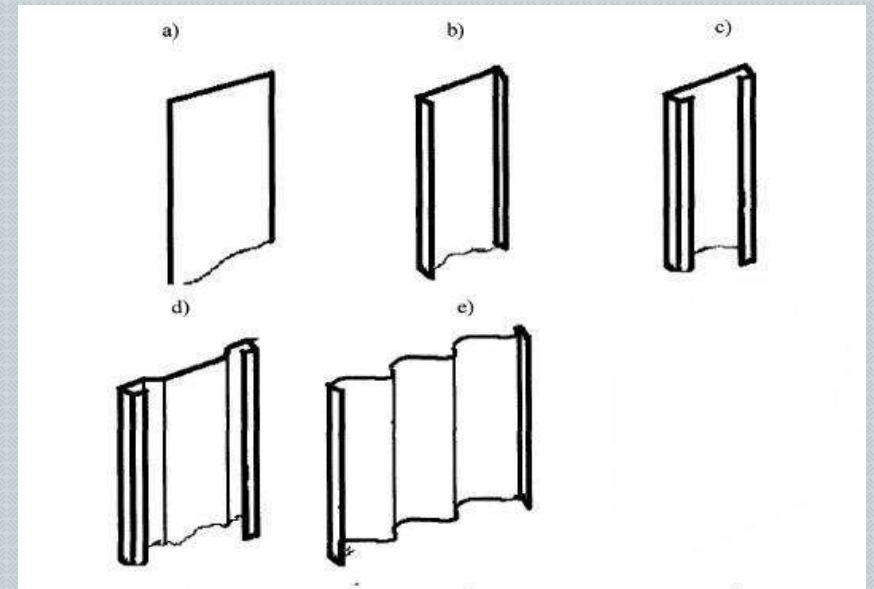
# COLLECTING ELECTRODE



- **Collecting Electrodes are roll-formed from CRCA sheets and corrosion resistant Corten. The profiles are supplied in standard lengths as per customer design and packed in steel crates with application of rust-preventive oil.**

Typical collecting electrode profiles:

- A) I - type
- B) U - type
- C) C - type
- D) G - type
- E) Z - type



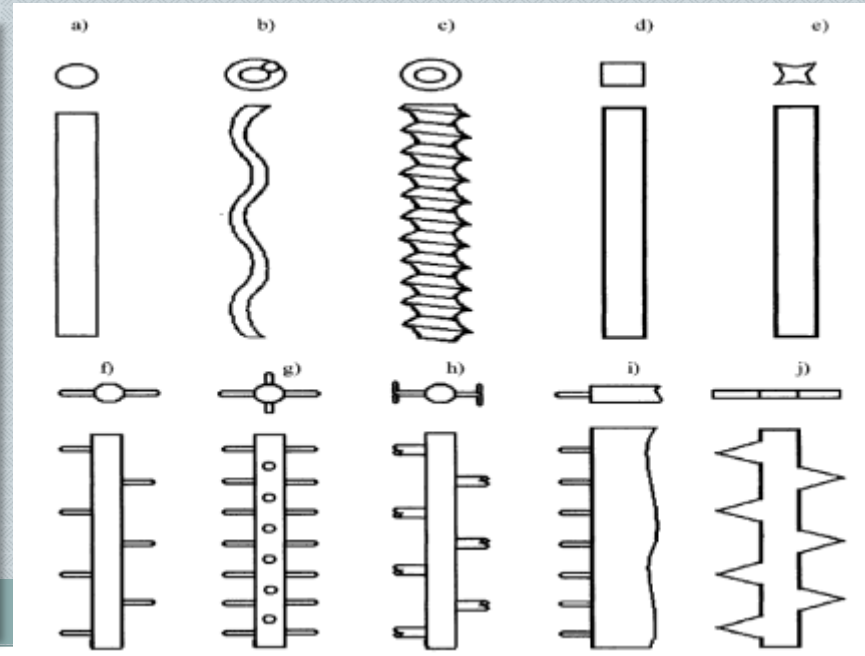


# EMITTING ELECTRODE

- The ESP Electrodes offered by us, are made up of the finest components, under the strict supervision of industry leading experts. Moreover, our ESP Electrodes are available at affordable prices, with no compromise on quality

## Typical discharge electrode profiles:

- A) Smooth wires or pipes.
- B) Helical or spiralling wires.
- C) Threaded wires & rod.
- D) Rectangular rods or twisted square.
- E) Star-shaped rods.
- F) Rod with needles arranged in opposing way.
- G) Rod with cross arranged needles.
- H) Rod with emitters.
- I) Plate with needles.
- J) band-type with spikes





# HV BUSHINGS



**Hollow Ceramic Support Bushing** is used as high-voltage insulating and sealing through the discharge electrode suspension rod entering the electric field in an ESP. It also functions as support of the discharge electrode system. By its configuration.

It is classified into three types:

- A) Cylindrical Bushing
- B) Conical Bushing
- C) Special-Shaped Bushing

**Post Bushing** is used as high-voltage insulation between discharge electrode system and ESP casing, and supporting the weight of the entire discharge electrode system. A post bushing consists of the ceramic body and metal fittings at both ends which are cemented together with binder that can withstand high temperature.

**Shaft Bushing** is interposed and connected between the rapping shaft inside the electrical field and the driving gear-motor outside functioning as power transmission for turning the shaft and high voltage insulating between the discharge electrode system and the ESP casing



**CYLINDRICAL**

**CONICAL**

**SPECIAL SHAPED BUSHING**



≤250°C or ≤350°C



72kV to 120kV



# ESP INTERNAL PARTS



**TADPOLE**



**BUSHING HOUSING**



**TUMBLING HAMMER**



**GD SCREEN**



# HF POWER SUPPLIES



Our Associate **ERC Technology Pvt Ltd** in collaboration of **Beijing Trustek, China** has launched The HIGH FREQUENCY type electric precipitator rectifier transformer iron core uses high-tech nanocrystalline materials, and the low-voltage coil is wound with a special double-stranded wire covered with high-frequency system. The iron loss and copper loss are low, and the energy conversion efficiency is not less than 90%, power factor is 0.98

## Compact HFTR Construction

- Control Kiosk with IP 56 enclosure.
- Industrial AC for the control kiosk.
- ONAN cooling for Transformer.
- IGBT cooling Heat Sink (in RED) via Transformer oil.
- Stainless Steel kiosk and transformer tank.





# **AURO** IMPEX & CHEMICALS LIMITED

## **SS PIPES ( ERW ) 202 & 304**

OUR PRODUCT RANGE FOR STAINLESS STEEL (SS) ERW PIPES INCLUDES PIPES IN VARIOUS SIZES, GRADES, WALL THICKNESSES, AND FINISHES. THESE PIPES ARE MADE FROM HIGH-QUALITY STAINLESS STEEL, KNOWN FOR ITS SUPERIOR CORROSION RESISTANCE, EXCELLENT STRENGTH, AND VERSATILITY.

WE ARE MANUFACTURER OF SS 202 & SS 304 PIPES IN ROUND, RECTANGLE & SQUARE SHAPES.

SS PIPE LENGTH WILL BE 20FT OR AS PER CUSTOMER REQUIREMENT.





# **AURO** IMPEX & CHEMICALS LIMITED

## **SS PIPE ( 202 & 304 SPECIFICATION )**

<b>ROUND - MM ( INCH )</b>	<b>SQUARE - MM ( INCH )</b>	<b>RECTANGLE - MM ( INCH )</b>
12.70 ( 1/2 )	12 x 12 ( 1/2 x 1/2 )	26 x 13 ( 1 x 1/2 )
15.88 ( 5/8 )	15 x 15 ( 5/8 x 5/8 )	40 x 20 ( 1 1/2 x 3/4 )
19.05 ( 3/4 )	20 x 20 ( 3/4 x 3/4 )	75 x 25 ( 3 x 1 )
25.40 ( 1 )	25 x 25 ( 1 x 1 )	50 x 25 ( 2 x 1 )
31.75 ( 1 1/4 )	40 x 40 ( 1 1/2 x 1 1/2 )	
38.10 ( 1 1/2 )	50 x 50 ( 2 x 2 )	
50.80 ( 2 )		
63.50 ( 2 1/2 )		
76.20 ( 3 )		

### **NOTE :**

**SS 304 ( THICKNESS ) : 1.5 / 1.18 / 0.95 - 1 / 0.8 / 0.7 / 0.6 / 0.5**

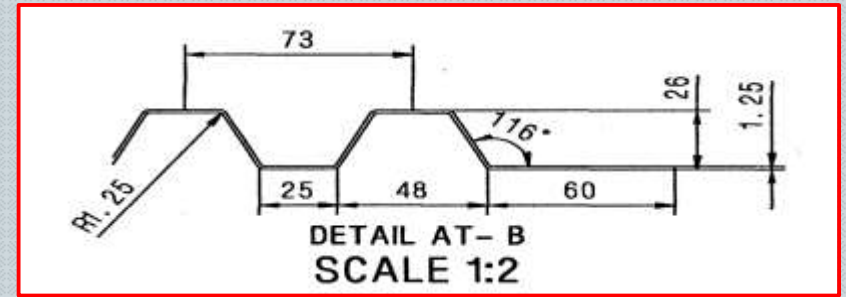
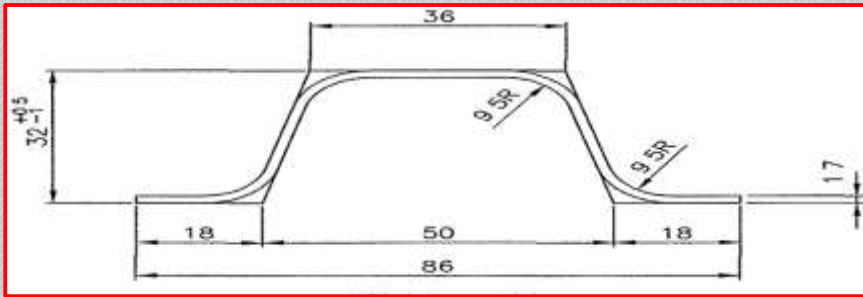
**SS 202 ( THICKNESS ) : 1.45 / 1.15 / 0.90 - 1 / 0.78 / 0.68 / 0.55 - 0.6 / 0.48**

**GUAGE : 16 / 18 / 20 / 22 / 24 / 26 / 28**



# AURO IMPEX & CHEMICALS LIMITED

- AICL has been making Trough floors used is under frame of coaches of Indian Railway, made of austenitic steel, which absorb a large portion of buffing forces. We, at AURO Impex & Chemicals Limited, had developed Trough floors of thickness 1.70mm, 1.25mm and participated in open tender through IREPS.
- After successfully CCA by ICF, we had received Approval Letter from Integral Coach Factory (ICF) and success fully supplied at ICF, MCF, etc



# AURO IMPEX & CHEMICALS LIMITED



## Some reference PO details

SN	ORDER NO. & DATE	PLACE BY	FULL DESCRIPTION	ORDER QTY.	SUPPLY QTY.
1	112241362100860 & dtd. 23/04/2025 (M.A. No.: 004074 & dtd. 01/08/2025)	Modern Coach Factory	SET OF TROUGH FLOOR PARTS (CRF) as per Drg. No. MP16TFL3T2TSCN VERSION 2 Packing Instruction PI042 VER 1.0. DRG.: RCF-RBL-DRG.-68, Alt. a, RCF-RBL-DRG.-67, Alt. a. RM Spec.: C-K201, X5CrNi 18 10(304)	111SETS	111SETS
2	11221189100485 & dtd. 04/03/2023 (M.A. No.: 004370 & dtd. 12/12/2023)	Modern Coach Factory	SET OF TROUGH FLOOR PARTS (CRF) as per Drg. No. MP16TFL3T2TSCN VERSION 2 Packing Instruction PI042 VER 1.0. DRG.: RCF-RBL-DRG.-68, Alt. a, RCF-RBL-DRG.-67, Alt. a. RM Spec.: C-K201, X5CrNi 18 10(304)	40SETS	40SETS
3	02221325100310 & dtd. 23/02/2023 (M.A. No.: 00963 & dtd. 22/11/2023)	Integral Coach Factory	ONE COACH SET OF CRF TROUGH FLOOR PART FOR MRVC PHASE-II M AND M2 COACHES TO DRG. NO. ICF/MRVC/M/BT-1-3-003 ALT 'a' ITEM 1 -3 NOS AND ITEM 2 -1 NO. Special Condition: PACKING AS PER ICF/J&T/SK-1729 ALT 'b'. RM Spec.: C-K201, X5CrNiN 18 7(301)	13SETS	13SETS
4	02221194100405 & dtd. 13/03/2023 (M.A. No.: 007239 & dtd. 02/09/2023)	Integral Coach Factory	TROUGH FLOOR TO DRG.NO.ICF/SR/DMU/TC/E-1-3-005 ALT 'c' ITEM 1 - 6 NOS ITEM 2 - 2 NOS. Special Condition: PACKING CONDITION AS PER DRG.NO.ICF/J&T/SK -1729, ALT 'b'. TO BE BUNDLED AS ONE SET. RM Spec.: C-K201, X5CrNiN 18 7(301)	09SETS	09SETS
3	02221325100310 & dtd. 23/02/2023 (M.A. No.: 00963 & dtd. 22/11/2023)	Integral Coach Factory	ONE COACH SET OF CRF TROUGH FLOOR PART FOR MRVC PHASE-II M AND M2 COACHES TO DRG. NO. ICF/MRVC/M/BT-1-3-003 ALT 'a' ITEM 1 -3 NOS AND ITEM 2 -1 NO. Special Condition: PACKING AS PER ICF/J&T/SK-1729 ALT 'b'. RM Spec.: C-K201, X5CrNiN 18 7(301)	13SETS	13SETS
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# AICL FACTORY



A Capacity Production of 10,000 MT+ per month

**AICL has setup a state of the art manufacturing unit of ESP (ELECTRO STATIC PRECIPITATOR) internal parts having spread across a sprawling area of 106286 square feet and a shop floor area of 70000 square feet.**



**COLLECTING ELECTRODE FORMING LINE**

**IN HOUSE DE PIPE MANUFACTURING FACILITY**

# AICL PRESENCE IN POWER SECTOR



Projects	CAPACITY
L & T – NTPC , Khargone ( MP )	2 X 660 MW
L & T – Rajpura ( Punjab )	2 X 700 MW
L & T – Kudgi ( Karnataka )	3 X 800 MW
L&T - NTPC , Buxar ( Bihar )	2 X 660 MW
L & T – Malwa ( MP )	2 X 660 MW
L & T – Chhabra ( Rajasthan )	2 X 660 MW



# AICL PRESENCE IN POWER SECTOR



Projects	CAPACITY
<b>ISGEC - JSW , Barmer ( Rajasthan )</b>	<b>8 X 135 MW</b>
<b>ISGEC – Chandrapur ( Maharashtra )</b>	<b>2 X 500 MW</b>
<b>GE –WBPDC ( West Bengal )</b>	<b>2 X 300 MW , 2 X 500 MW</b>
<b>THERMAX – Shyam Sel &amp; Power Limited ( West Bengal )</b>	
<b>THERMAX – Bhusan Steel &amp; Power ( Orissa )</b>	
<b>THERMAX – Bengal Energy ( West Bengal )</b>	
<b>THERMAX – Shakambhari Ispat &amp; Power ( West Bengal )</b>	



KC Cottrell



# AICL PRESENCE IN POWER SECTOR



Projects	CAPACITY
KC Cottrell - NTPC , Meja ( UP )	2 X 660 MW
KC Cottrell - Tata Power , Trombay	500 MW
KC Cottrell - NTPC , Khurja ( UP )	2 X 660 MW
KC Cottrell - NTPC , Anpara ( UP )	2 X 500 MW
KC Cottrell - NTPC , Farakka ( WB)	3 X 200 MW
KC Cottrell – Kolaghat Thermal Power Station ( WB)	3 X 210 MW



# AICL PRESENCE IN POWER SECTOR



Projects	CAPACITY
KC Cottrell - NTPC , Badarpur ( New Delhi )	2 X 210 MW
KC Cottrell – Harduaganj Thermal Power Station ( UP )	1 X 660 MW
KC Cottrell – Vizag Steel Plant ( Andhra Pradesh )	
NTPC , Kanti ( Bihar )	2 X 195 MW
Sagardighi Thermal Power Station ( West Bengal )	2 X 300 MW , 2 X 500 MW
OPGC , Jharsuguda ( Orissa )	2 X 210 MW , 2 X 660 MW
DVC , Raghunathpur ( West Bengal )	2 X 600 MW



# THANK YOU



**Corporate Office:**

740A, Block P, New Alipore, Kolkata – 700053

**Factory Address:**

Village - Kanajuli, P.O - Goborarah, Dhaniakhali District -  
Hooghly, West Bengal 712305