

AIWEL

products

workmanship

customer service



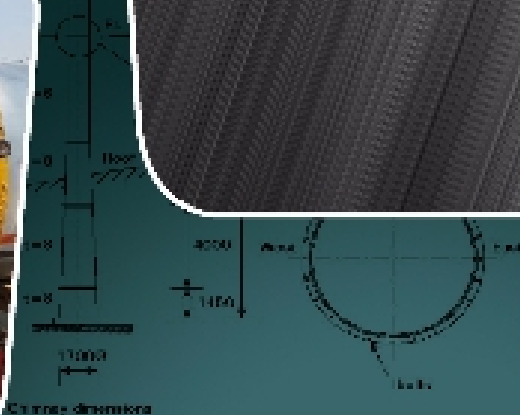
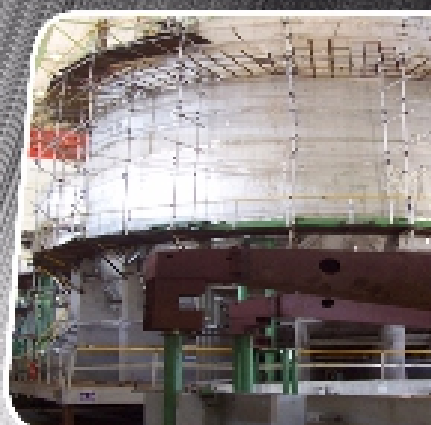
KNOWLEDGE
SKILL
INTEGRITY
& DIGNITY



AIWEL

AIWEL CONSTRUCTIONS PRIVATE LIMITED

PROFILE



AIWEL

Aiwei Construction Private Limited

New 46, Pachaiyappes College Hostel Road, Chittpet,
Chennai - 600 031. Phone : 044 - 28430863
email : projects@aiweleng.com, website : aiweleng.com



AIWEL CONSTRUCTIONS PVT LTD PROFILE

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AIWEL CONSTRUCTIONS PVT LTD PROFILE

PROFILE OF THE COMPANY

COMPANY :

Incorporated in 2000

specializes in Mechanical and Turnkey projects for Nuclear, Power and Refinery sectors.

Executed projects in the Middle East and India.

BENCHMARKS:

Following Firsts in India :

1. Piping work for a single unit 1,000 MW nuclear project for NPCIL. Kudankulam.
2. Revamp the Oldest nuclear reactor in India for 200 MW Madras Atomic power plant, first of its kind in India.
3. Fabricate critical SS vessel for 500 MW fast breeder reactor project at Bhavani, Kalpakkam.
4. Major Boiler Revamp of 200 MW Thermal Power Plant at Obra , U.P
5. Major Revamp and Capacity Enhancement of FCC Unit at Kochi Refinery.
6. One of the First to do Large Diameter SS Cryogenic Piping in India.

Our Mission:

Develop an Highly Skilled Mechanical Engineering Company that will serve the most sophisticated Industries Like Nuclear , Space and other High Tech Industries like Oil and Gas, Power etc.,

Our scope:

Provide Engineering Services on time.

Our value:

Create a Strong Enduring Team and Organization that will deliver the Objectives with dignity and Integrity.

Our strengths:

Very Highly Skilled team with relevant experience.

The market demand:

Quality delivery of services on time.

Our competitive advantage:

1. Highly Skilled Team with Vast Experience in Executing the most sophisticated Electro Mechanical Projects.
2. Worked in almost all locations in India and the Middle East.
3. Successfully completed projects on Schedule and within Budget.
4. Over 30 years of experience.
5. Completed recent Piping Projects with less than 1 % weld defect.



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PROFILE OF THE COMPANY

OWNERS :

Tharakan Family:

CHAIRMAN - B M THARAKAN:

Distinguished Mechanical Engineer, who has worked on many Complex mechanical Projects, in Power, Oil & Gas and Nuclear Sectors in India, since 1960s. Well known to most Project Owners, Consultants and EPC companies, for his Project Execution Capabilities'.

Dr A K THARAKAN:

AjitTharakan, MD, is the associate professor and chief of the division of cardiothoracic surgery at the University of Missouri School of Medicine. Dr. Tharakan completed his medical education and cardiothoracic fellowship at Christian Medical College Hospital in Vellore, India. Since moving to the United States, Dr. Tharakan completed a cardiothoracic residency at the Massachusetts General Hospital affiliated with Harvard Medical School.

Dr LEKHA THARAKAN:

Dr. Lekha K George is a Nephrology Specialist in Memphis, Tennessee. She graduated with honors in 1992. Having more than 24 years of diverse experiences, especially in NEPHROLOGY, INTERNAL MEDICINE.

Dr SANTHOSH KOSHY:

Managing Director of the largest clinical department of an academic health center, employing over 100 full-time M.D. and Ph.D. faculty and administrative support staff. With primary responsibility in areas of strategic new venture development, clinical operations, faculty career development, quality assurance and 12 divisional business unit management.

Dr. RINU SUSAN THARAKAN

Mrs. SHERO THARAKAN

Mrs. ANNIE THARAKAN



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PROFILE OF CEO

SujitTharakan

2016

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Mobile: +91-9940669471

Office : +91-44-26430863

sujitjacobtharakan@gmail.com

Business:

CEO at Aiwel Constructions Pvt Ltd.,

Director at DIKW Solutions and Consulting

Director at YOS Medical SDN. BHD.

SUMMARY

Involved at the Top Management Level in executing projects in Power, Nuclear and Oil & Gas sectors since 1994, in India and the Middle East.

Some of the key achievements

1. Executed the first 200 MW nuclear reactor revamp at Madras atomic Power station, Chennai, India.
2. Executed the Most Critical Nuclear vessel fabricated in India at Kalpakkam 500 MW Fast breeder reactor.
3. Executed the First 1000 MW Nuclear- Turbine Piping in India at Kudankulam Nuclear Power Project
4. Executed number of large Refinery Projects in India and Middle East.
5. Carried out most of the Modernization of the Oldest Refinery in India at Digboi, Assam. Specific skills in Estimation, Planning, Execution and claims preparation of projects in Power, Nuclear and Oil & Gas sectors.
6. Organizing Secretary of the PC Open International Tennis Federation Tournament 2014

EXPERIENCE

1. CEO at AiwelConstructions Pvt Ltd - November 2012 – Present - Power and Oil& Gas Projects.
2. Director at DIKW Solutions & Consulting – July 14 – Present - IT Services & Solutions.
3. Managing Director at TPS (Thermal Power Station) Builders Ltd., -January 1995 - October 2012 (17years 10 months) - Worked on Execution of Power, Nuclear and Oil& Gas projects
4. Director at K4 Engineering, Dubai - January 2007 - January 2010- Project Execution in Middle East.
5. Director at Aicam Engineering Ltd., May 1994 - January 1995 - Project Execution.

EDUCATION

1. Don Bosco Chennai Higher Secondary, Science, 1976 – 1990
2. Madras University BE - Mechanical Engineering, 1990 - 1994
3. Indian Institute of Management, Bangalore Advanced Management Program, 2012 - 2013



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PROFILE OF CEO

SujitTharakan

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PROJECTS

1000 MW Kudankulam Nuclear Power Project January 2013 - Fabrication and Erection of Piping and Static Equipment

500 MW Fast Breeder Reactor Project, Kalpakkam January 2006 - 30Dia 3mm dimensional tolerance – SS Vessel with 0% weld defect

Kochin Refinery, Composite Works for FCCU for Capacity Expansion cum Modernization Project April 2005

Indian Oil Corp, Panipath Refinery, Composite Works of Naphtha Splitter Unit-I of PX-PTA Project. August 2006

Indian Oil Corp, Panipath Refinery, Composite Works of SRU / SSRU Project June 2005

Numaligarh Refinery, Mechanical & Piping Erection work for HCU & H2U. October 1999 - Mechanical & Piping Erection work for HCU & H2U.

Indian Oil Corp, Digboi Refinery, Structural, Piping & Mechanical erection work of LSTK-2 Project March 2004 - Structural, Piping & Mechanical erection work of LSTK-2 Project, SRU, H2U, N2 Plants.

Indian Oil Corp, Digboi Refinery, Fabrication & Erection of A/G Piping, Erection of Equipment & Machinery etc. for NDCU. June 1999 .

Indian Oil Corp, Digboi Refinery, Unit Piping & Mechanical Works of SDU & HDT Project. August 2003

Indian Oil Corp, Guwahati Refinery, Piping Fabrication and Erection work for Hydrotreater Project July 2000

ENOC, Dubai, Erection of Heaters, Reformer , Equipment and Piping April 2009

Shell GTL, Qatar, Erection of Structures, Equipments and piping September 2009

GSVC, Qatar, 26 kms, 36" Cross Country pipeline , Gas Supply to station V and Facility C June 2009

Indian Oil Corporation Ltd ,Haldia, West Bangal, Site Fabrication, Erection, Testing and Commissioning of FCC Feed Heater June 1998

6 X 40 MW Open Cycle Power plan Shuwaikh Kuwait, Erection of Gas Turbines and accessories September 2007



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PROFILE OF CEO

SujitTharakan

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PROJECTS

Chennai Petroleum Corporation Limited, Chennai,

Refinery-1, Turn Around, Group-3 & 4 (2003) June 2004

Refinery-2, Turn Around, Group-1 July 2002

Refinery-1, Turn Around, CDU/ VDU September 2012

Refinery-1, Turn Around, FCCU,, MEROX and Amin Units September 2012

Refinery-1, Flare maintenance September 2012

RECOMMENDATION

Mr. Nandakumar E



Director - Petronet CCK Ltd,

Board Trustee - Cochin Port trust ,

Executive Director - Bharat Petroleum Corporation Limited

*****Mr. Sujit is known to me for over 10 years as the CEO of TPS BUILDERS Ltd. Under his young and dynamic leadership, M/S TPS Builders carried out the Major FCCU Expansion and Refurbishment in 2004. I was the head of the BPCL Kochi Refinery then. I was deeply impressed by the young Engineers knowledge to lead one of the most complex Expansion and Refurbishment work done at our BPCL Kochi Refinery. The risk taking ability to attempt a large complex Refinery project was unusual, pointing to his entrepreneur drive. He exhibited his strong Domain knowledge in Mechanical works like Piping, Structural and Equipment installation and Project Management skills. The demanding shut down integration phase of the project brought out his determination, Professionalism and honesty. I am sure he has a very bright future ahead. My best wishes to this rare talent*****.



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PROFILE OF KEY PERSONAL – Project Management

Monikvale – Sr Project Manager



BE, Mechanical Engineer passed out in 1982 from Madurai, Thiagarajar College of Engineering, Tamil Nadu. Worked in BHEL for 3 years in various projects and then in Oil & Gas projects in India, Middle East and Africa. Has through knowledge in Project Management of Mechanical Works.

Ramakrishnan K – Sr QC & Project Manager



BE, Mechanical Engineer passed out in 1993 from Government College of Engineering, Tirunelveli. Worked in most projects of the company in Oil & Gas and Power in India and abroad. Initially work in QC areas and later in Project Management, has through knowledge in Welding, Quality Control and Project Management.

Krishnan Nagarajan – Site Incharge

Diploma in Mechanical Engineering passed out in 2003 from Government Polytechnic, Manakala, Adoor. Worked in 1000 MW Kudankulam Nuclear Project Secondary Cycle Piping and other Oil and Gas Projects at Musandum Oman, Sai Rawl Oman, HRS Pipeline Station Piping Abu Dhabi and a few more Power Projects.

Siva Rajandran – Planning Engineer

Diploma in Mechanical Engineering passed out in 2005. Worked on HRSG Chennai Refinery, P3B Piping Work in Abu Dhabi, New Aviation Fuel Depot Piping Abu Dhabi and a few more Power Plants in India.



AIWEL CONSTRUCTIONS PVT LTD PROFILE

BENCH MARKS & UNIQUE QUALIFICATIONS

BENCHMARKS:

Following Firsts in India :

- Piping work for a single unit 1,000 MW nuclear project for NPCIL. Kudankulam.
- Revamp the Oldest nuclear reactor in India for 200 MW Madras Atomic power plant, first of its kind in India.
- Fabricate critical SS vessel for 500 MW fast breeder reactor project at Bhavani, Kalpakkam.
- Major Boiler Revamp of 200 MW Thermal Power Plant at Obra , U.P
- Major Revamp and Capacity Enhancement of FCC Unit at Kochi Refinery.

Unique Qualifications & Achievements:

- One of the First to do Large Diameter SS Cryogenic Piping in India.
- Assembly & Welding 110 MT, 13 mtrDia SS Nuclear vessel within 3 mm tolerance and 0% weld defect.
- Recently completed the Abu Dhabi New Airport Fuel Depot Piping with weld repair percentage of less than 1 %

AIWEL CONSTRUCTIONS PVT LTD PROFILE

BENCH MARKS & UNIQUE QUALIFICATIONS

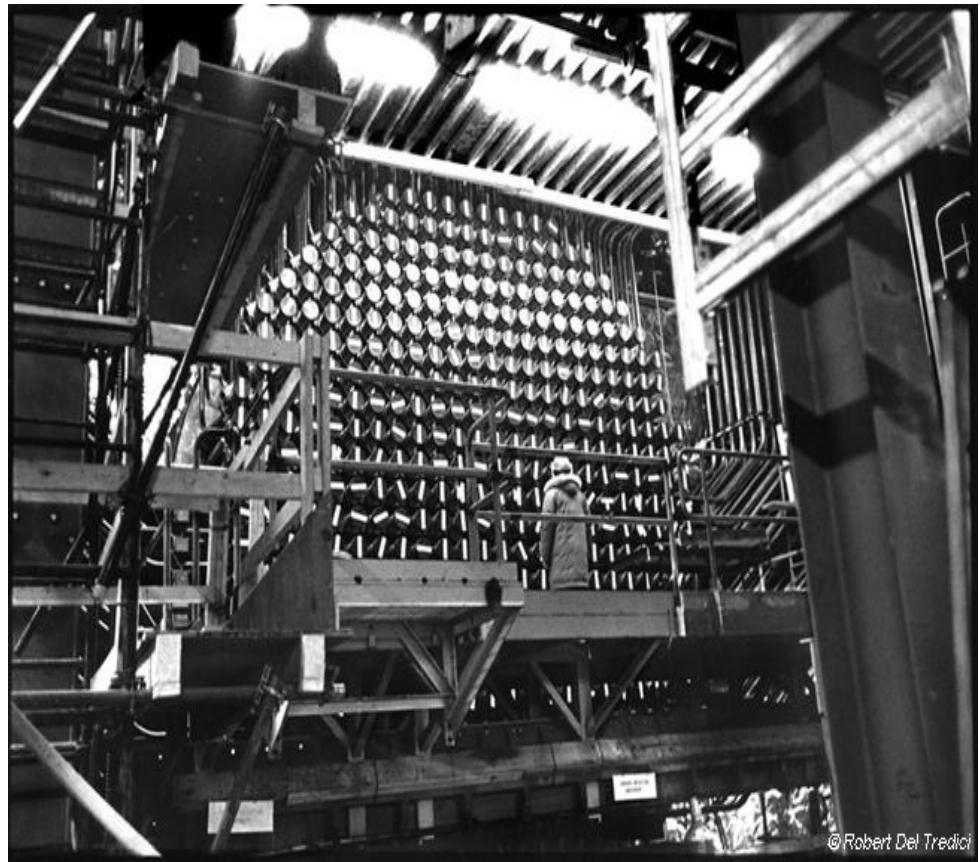
**Piping work for a single unit 1,000 MW nuclear
project for NPCIL.KudanKulam.**



AIWEL CONSTRUCTIONS PVT LTD PROFILE

BENCH MARKS & UNIQUE QUALIFICATIONS

**Revamp the Oldest nuclear reactor in India for 200
MW Madras Atomic power plant, Nuclear coolant
channel replacement**



AIWEL CONSTRUCTIONS PVT LTD PROFILE

BENCH MARKS & UNIQUE QUALIFICATIONS

Assembly & Welding 110 MT, 13 mtrDia SS Nuclear vessel within 3 mm tolerance and 0% weld defect



AIWEL CONSTRUCTIONS PVT LTD PROFILE

BENCH MARKS & UNIQUE QUALIFICATIONS

**One of the First to do Large Diameter SS Cryogenic
Piping in India.**



AIWEL CONSTRUCTIONS PVT LTD PROFILE

BENCH MARKS & UNIQUE QUALIFICATIONS

Recently completed Abu Dhabi New Airport Fuel Depot Piping with weld repair percentage of less than 1 %





AIWEL CONSTRUCTIONS PVT LTD - PROFILE

OTHER PROJECTS COMPLETED RECENTLY

SL	CUSTOMER	DESCRIPTION OF WORK
1	L&T Abu Dhabi	Piping Work of P3B Project - Ruaiz
2	L&T Abu Dhabi	Station Piping Work of HRS Pipeline Project
3	L&T Oman	Piping Work of MGP Project
4	L&T Oman	Piping Work of SRDC Project
5	L&T Abu Dhabi	Structural & Piping Work of New Abu Dhabi Airport Project
6	TPS Builders Ltd, Chennai	210 MW Boiler Erection ,Bela , Nagpur
7	TPS Builders Ltd, Chennai	3 x 150 MW Boiler Erection , Singrauli, MP



AIWEL CONSTRUCTIONS PVT LTD PROFILE

OUR SERVICES

Project Execution

- Detailed Engineering.
- Fabrication & Erection of Piping.
- Erection of Equipment & Machinery.
- Assembly, Fabrication & Erection of Heaters / Reformers.
- Assembly, Welding & Erection of Boilers/HRSG /Heat Exchangers, Heat Exchangers.
- Fabrication, Assembly & Erection of Heavy Structures.
- Fabrication and erection of Tanks.
- Assembly, Welding & Erection of Heavy Equipment.
- Shut Down Maintenance.



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PAST EXPERIENCE :Oil & Gas, Refineries &PetroChemical Plants : (Projects Completed):

SL	CUSTOMER	DESCRIPTION OF WORK
I	COMPOSITE WORKS	
1	Kochi Refineries Limited, Kerala	Composite Works for FCCU for Capacity Expansion cum Modernization Project
2	Indian Oil Corporation Ltd.,Panipat Refineries	Composite Works of Naphtha Splitter Unit-I of PX-PTA Project.
3	Indian Oil Corporation Ltd.,Panipat Refineries	Composite Works of SRU / SSRU Project.
4	Indian Oil Corporation Ltd.,Gujrath Refineries	Composite Works of CDU Heater Revamp
II	EQUIPMENTS & MACHINERIES.	
1	Kochi Refineries Limited, Kerala	Composite Works for FCCU for Capacity Expansion cum Modernization Project
2	Numaligarh Refinery Complex, Assam, India.	Mechanical & Piping Erection work for HCU & H2U .
3	Indian Oil Corporation Ltd (AOD), Digboi, Assam,India.	Structural, Piping & Mechanical erection work of LSTK-2 Project.
4	Indian Oil Corporation Ltd.,Panipat Refineries	Composite Works of Naphtha Splitter Unit-I of PX-PTA Project.
5	Indian Oil Corporation Ltd (AOD), Digboi, Assam,India.	Fabrication & Erection of A/G Piping, Erection of Equipment & Machinery etc. for NDCU .
6	Indian Oil Corporation Ltd (AOD), Digboi, Assam,India.	Unit Piping & Mechanical Works of SDU & HDT Project.
7	Indian Oil Corporation Ltd, Guwahati, Assam, India.	Piping Fabrication and Erection work for Hydrotreater Project .
8	Indian Oil Corporation Ltd (AOD), Digboi, Assam,India.	Offsite Piping & Mechanical Works of SDU Project.
9	Visakhapatnam Steel Plant, Visakhapatnam, A.P, India.	Fabrication, Erection & Commissioning of Equipments and Piping of Sinter Plant .
10	Indian Oil Corporation Ltd (AOD), Digboi, Assam,India.	Fabrication, Erection of Equipment and Piping for CRU , Reformer Project.
11	Indian Oil Corporation Ltd, Guwahati, Assam, India.	Erection of Equipments, Piping and Heaters of ISOSIV Unit.



AIWEL CONSTRUCTIONS PVT LTD PROFILE

**PAST EXPERIENCE :Oil & Gas, Refineries
&PetroChemical Plants : (Projects Completed):**

Composite Works of Naphtha Splitter Unit-I of PX-PTA Project.



Modernization of Digboi Refinery



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PAST EXPERIENCE :Oil & Gas, Refineries &PetroChemical Plants : (Projects Completed):

III)	SUPPLY, FABRICATION & ERECTION OF HEATERS / REFORMERS	
1	Indian Oil Corporation Ltd, Barauni , Bihar, India.	Supply, Fabrication & Erection of Reformer Heaters for CRU .
2	Indian Oil Corporation Ltd (AOD), Digboi, Assam	Supply, Fabrication &Erection of Reformer Heaters .
3	Indian Oil Corporation Ltd, Guwahati, Assam	Erection of Equipments, Piping and Heaters in ISOSIV Unit.
4	Indian Oil Corporation Ltd, Guwahati, Assam	Revamp of CDU Heater.
5	Indian Oil Corporation Ltd , Haldia, West Bengal	Site Fabrication, Erection, Testing and Commissioning of FCC Feed Heater.

Erection of Reformers and Heater at ENOC, Dubai





AIWEL CONSTRUCTIONS PVT LTD PROFILE

PAST EXPERIENCE : Power Plants: (Projects Completed):

SL	CUSTOMER	DESCRIPTION OF WORK
I)	ASSEMBLY, WELDING & ERECTION OF BOILERS / HRSG/EXCHANGERS.	
1	Damodar Valley Corporation Ltd., Calcutta	Erection of Boiler Components of 2 x 210 MW Boilers.
2	Ennore Thermal Power Station, Tamil Nadu	Dismantling, Erection, Testing and commissioning of Boiler, Unit-3 110MW.
3	Madras Atomic Power Station, Tamil Nadu	Installation of Coolent Channels.
4	Chennai Petroleum Corporation Limited, Chennai	Erection, testing, commissioning of 1 x 130 TPH Boiler.
5	Indian Oil Corporation Ltd (AOD), Digboi	Erection, testing, commissioning of 1 x 100 TPH Heat Recovery Steam Generator.
6	Core Health Care, Viramgam, Gujarat	Assembly, Welding and Erection of 1 x 20 MW Heat Recovery Steam Generator .
7	Ahmedabad Electricity Co., Sabarmati, Gujarat	Erection of Pressure Parts of 60.0 MW Boiler.
8	Chennai Petroleum Corporation Limited, Chennai	Overhauling & High Pressure Welding of Boiler I, II and III.
II)	ASSEMBLY, ERECTION & TESTING OF TURBINES	
1	1 X 210 Power Plant at North Chennai	Erection of Gas Turbines and accessories
2	2 X 210 MW Power Plant DVC, Bokaro	Erection of Gas Turbines and accessories
3	3 X 15 MW Rajghat Hydro Electric Project, Rajghat	Assembly, Erection & Commissioning of Kelpon Hydro Turbines and Generators.
III)	ASSEMBLY, ERECTION & TESTING OF TURBINES	
1	5 X 160 MW Open Cycle Power plan AlZoor Kuwait	Erection of Gas Turbines and accessories
2	6 X 50 MW Open Cycle Power plan Sabiya Kuwait	Erection of Gas Turbines and accessories
3	X 40 MW Open Cycle Power plan 6 Shuwaikh Kuwait	Erection of Gas Turbines and accessories

AIWEL CONSTRUCTIONS PVT LTD PROFILE

PAST EXPERIENCE : Power Plants: (Projects Completed in India):

5 X 160 MW Open Cycle Power plan AlZoor Kuwait



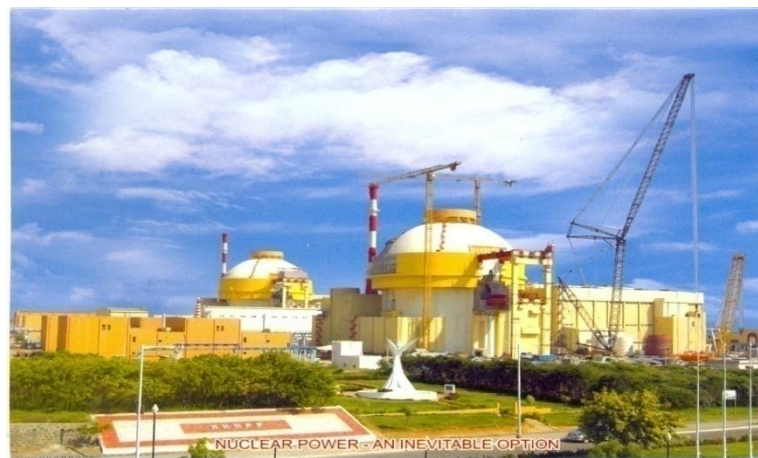
6 X 50 MW Open Cycle Power plan Sabiya Kuwait



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PAST EXPERIENCE :Nuclear Projects: (Projects Completed):

SL	CUSTOMER	DESCRIPTION OF WORK
1	500 MW Fast Breeder Reactor at Kalpakkam, TN	Manufacture of Safety Vessel- 500 MW Unit..
2	200 MW Madras Atomic Power Station, Kalpakkam, TN	Installation of Coolent Channels.
3	2 x 1000 MW Nuclear Power plant at Kudankulam ,T N	Fabrication and Erection of Piping and Static Equipment.
4	200 MW Narora. Atomic Power Station, Narora, UP	Replacement of Feeder pipe spools in NAPS Unit # 1



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PAST EXPERIENCE :Industrial Projects: (Projects Completed):

SL	CUSTOMER	DESCRIPTION OF WORK
I)	FABRICATION & ERECTION OF HEAVY STRUCTURES	
1	Rourkela Steel Plant, Orissa, India	Fabrication and Erection of Steel Structures for SMS CCP II Building.
2	Visakhapatnam steel plant, Vizag, India.	Fabrication and Erection of sinter plant.
3	Indian Oil Corporation Ltd (AOD), Digboi	Pre-fabrication & Erection of Structures for LSTK-2 Project.





AIWEL CONSTRUCTIONS PVT LTD PROFILE

PAST EXPERIENCE :Shut Downs: (Projects Completed):

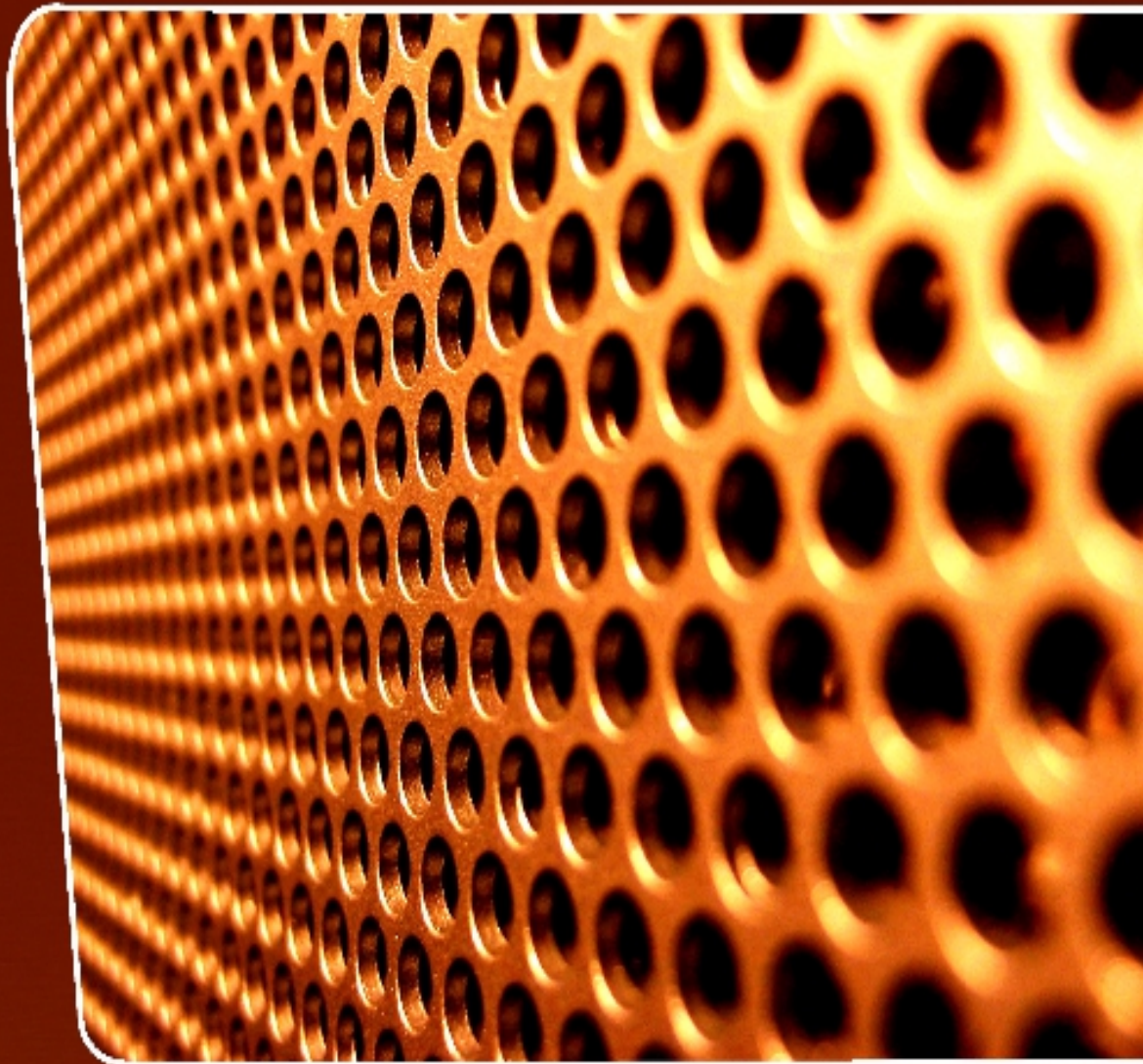
SL	CUSTOMER	DESCRIPTION OF WORK
I	SHUTDOWN MAINTENANCE	
1	Chennai Petroleum Corporation Limited, Chennai	Refinery-1, Turn Around, Group-3 & 4 (2003)
2	Madras Atomic Power Station,Tamil Nadu, India.	Installation of Coolant Channels.
3	Chennai Petroleum Corporation Limited, Chennai	Zonal Contract for Maintenance Mechanical Field Works for Process Unit Area
4	Chennai Petroleum Corporation Limited, Chennai	Refinery-2, Turn Around, Group-2 (2002)
5	Indian Oil Corporation Ltd, Guwahati, Assam	Revamp of CDU Heater.
6	Indian Oil Corporation Ltd (AOD), Digboi, Assam	Shut down job of Wax-Hydro finishing Unit .
7	Chennai Petroleum Corporation Limited, Chennai	Overhauling & High Pressure Welding of Boiler I, II and III.
8	Indian Oil Corporation Ltd , Haldia, West Bangal	Unloading, Assembly, Welding, Erection, of Rose Column.
9	Indian Oil Corporation Ltd, Guwahati, Assam	U/G ,Alloy Steel & IBR Piping of CDU Revamp Project
10	Andhra Petrochemical Limited, Visakhapatnam	Replacement of Total Inconnal Coils / Pipes of Reformer.
11	Indian Oil Corporation Ltd, Guwahati, Assam	Piping jobs pertaining DCU Revamp Project
12	Chennai Petroleum Corporation Limited, Chennai	Refinery-1, Plant 15 – CDU / VDU – Sert 2012
13	Chennai Petroleum Corporation Limited, Chennai	Refinery-1, Plant 16,17 & 18 – FCCU / AMIN /MEROX – Sert 2012
14	Chennai Petroleum Corporation Limited, Chennai	Flare Tip / KOD / Pipeline replacement and maintenance work – Sept 2012



AIWEL CONSTRUCTIONS PVT LTD PROFILE

PAST EXPERIENCE :Shut Downs: (Projects Completed):





Aiwei Construction Private Limited

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