

THE DELTA GROUP OF COMPANIES

ENGINEERING
&
CONSTRUCTION
EXPERIENCE



THE DELTA GROUP OF COMPANIES

DIVISIONS

Power

Industry

Infrastructure

Renewable Energy

ACTIVITIES

Design Engineering

Project Management & Construction

Logistics Handling, Management & Consultancy

Representation

Procurement services

- Planning,
- Conceptual Design,
- Detailed Engineering,
- Customized Solutions

- Civil,
- Mechanical,
- Electrical,
- Controls & Instrumentation
- Turnkey Contract
- Pipe Spool Fabrication Workshop

- Project Freight Forwarding,
- Heavy Lift,
- General Cargo,
- Transportation
- Tailored Services

- Representation,
- Business Promotion,
- Marketing,
- Distribution & Sales

- Project specific Procurement Services



DESIGN & ENGINEERING

CIVIL DEPARTMENT

SURVEY SOIL INVESTIGATION

- TOPOGREPHY
- SOIL INVESTGATION
- LABORATORY TEST
- ANALYSIS REPORT

PILING

- CAST-IN-SITU
- BORED
- DRIVEN
- PRECAST
- PRE BORED
- DIRECT DRIVEN

EARTHWORK

- SITE GRADE
- EXCAVATION
- BACK FILLING
- COMPACTING
- DISPOSAL

FOUNDATION & RCC STRUCTURES

- SPREAD FOUNDATION
- RAFT / MAT
- PEDESTALS
- TANK PADS
- COLUMNS/BEAMS/SLABS

ROADS/DRAINS/PAVEMENTS

- RCC/BITUMEN ROADS
- RCC/BRICKS DRAINS
- RCC/BRICKS PAVEMENTS

ROADS/DRAINS/PAVEMENTS

- RCC/BITUMEN ROADS
- RCC/BRICKS DRAINS
- RCC/BRICKS PAVEMENTS

SPECIAL RCC STRUCTURES

- COOLING TOWER
- CHIMNEY RCC
- WATER RETENTION STRUCTURE
- CLARIFIER
- RESERVOIR ETC.
- TANKS

ARCHITECTURAL

- MASONARY
- CLADDING
- CEILING
- FALSE FLOORING
- ROOF TREATMENT
- LANDSCAPE
- FENCING
- INTERIOR
- FITTING/FIXTURES
- DOORS SHUTERS WINDOWS
- PAINTING
- FLOORING
- SANITARY
- PLUMBING

MECHANICAL DEPARTMENT

STRUCTURAL

- F & D
- ROLLED
- ALIGNMENT / FINISHING

EQUIPMENT ERECTION

- STATIC
- SPECIAL EUIPEMENT ASSEMBLY
- ALIGNMENT FINISHING/ GROUTING
- HYDRO TESTING/TRIAL RUN

PIPING

- PRE FABRICATION
- ERECTION/ALIGNMENT
- FLUSHING/TESTING
- FIRE FITTING SYSTEM

PIPE SUPPORT

- FABRICATION

INSULATION & REFRACTORIES

- FABRICATION

HEAVY LIFTS

- HAULAGE
- ALIGNMENT/GROUTING

FABRICATION OF EQUIPMENT

- WORKSHOP

NDT

- SAND/SHOT BLASTING

ELECTRICAL DEPARTMENT

SWITCH YARD

- STRUCTURAL FABRICATION
- ERECTION
- EQUIPMENTERECTION./ALIGNMENT
- CABLE LAYING/TERMINATION
- STRINGING/TESTING
- CABLE TRAY/FABRICATION/ERECTION
- CABLE LAYING/TERMINATION

TESTING EQUIPEMENT

TRANSFORMER/GENERATOR/DG SET

- ERECTION
- ALIGNMENT GROUTING
- TESTING

LIGHTING FIXTURE

- INTERNAL
- EXTERNAL

PRECOMMISSIONING SYSTEM CHECK

PROJECT DEPARTMENT

- PROJECT MANAGEMENT
- PROJECT ENGINEERING
- PROJECT PLANNING.
- PROJECT CO-ORDINATION
- PROJECT COST CONTROL

CONTROLS & INSTRUMENTATION DEPARTMENT

- CONSTRUCTION MANAGEMENT
- PLANNING/COSTING
- QUANTITY SURVEYOR
- CO-ORDINATION (DOC. CONTROL/DWG. ANALYSIS/TECH INPUT ETC.)

CMC

- MANAGEMENT/MATERIAL CONTROL INVENTORY
- LOGISTIC/HANDLING
- STORES
- SECURITY

SAFETY DEPARTMENT

QA/QC DEPARTMENT

WORKSHOP

Safety is our First Priority | Quality is our Concern



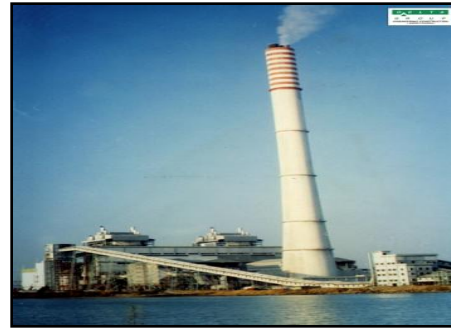
SPECIALIZATION

- Coal Based Power Plant
- Combine Cycle Power Plant
- Co-Generation Project
- Concentrated Solar Power

160MW Combined Cycle Power Plant

Contract Executed in 18 MONTHS by -
SINGLE POINT RESPONSIBILITY CONCEPT

An ASIAN RECORD !!



PROJECT DESCRIPTION:

3 x 800 MW KUDGI SUPER CRITICAL POWER PROJECT, KARNATAKA

CLIENT:

TOSHIBA POWER SYSTEMS COMPANY, INDIA

SCOPE OF WORK:

PIPING FABRICATION WORKS OF NON-IBR TG PIPING & PIPING ERECTION WORKS FOR COMPLETE IBR & NON-IBR PIPING ALONG WITH HANGERS AND SUPPORT FOR ALL THREE UNITS.

- COMPLETE FABRICATION AND ERECTION OF NON-IBR PIPING SYSTEMS
- COMPLETE ERECTION OF IBR PIPING SYSTEMS
- ACW PIPING FABRICATION AND ERECTION WORKS
- PREPARATION OF DETAILED FABRICATION DRAWINGS FOR NON-IBR SYSTEMS
- UNLOADING OF MATERIAL
- IBR INSPECTION AND CERTIFICATION ASSISTANCE
- SUPPLY OF TOTAL MANPOWER REQUIRED
- CIVIL FOUNDATION WORKS
- NDT SERVICES
- COMMISSIONING ACTIVITIES

SALIENT FEATURES:

FABRICATION AND ERECTION OF 34 NOS. OF NON-IBR SYSTEMS PER UNIT



PROJECT DESCRIPTION:

360 MW AL-TAWEELAH COMBINED CYCLE POWER PROJECT, ABU DHABI

CLIENT:

BECHTEL, U.K.

SCOPE OF WORK:

CONSTRUCTION OF MAIN PLANT CIVIL & ELECTRO-MECHANICAL WORKS FOR GAS BASED COMBINED CYCLE POWER PLANT.

- **COMPLETE CIVIL WORKS** INCLUDING APPROX. OF 400 NO. OF PILES.
- **COMPLETE ELECTRO-MECHANICAL WORKS.**
- CONSTRUCTION OF DISCHARGE CULVERTS.
- **TRANSPORTATION, LOGISTIC HANDLING** OF PLANT & EQUIPMENT INCLUDING GAS TURBINE & STEAM TURBINE.
- **SUPPLY & MANAGEMENT OF TOTAL MANPOWER** REQUIRED FOR ELECTRO-MECHANICAL & CONSTRUCTION WORKS.
- **MANAGEMENT OF CAMP FACILITIES** FOR MAIN CONTRACTOR AND OWNER.

SALIENT FEATURES:

400 NOS. OF PILING DONE. COMPLETE SUPPLY AND MANAGEMENT FOR ELECTRO-MECHANICAL & CONSTRUCTION WORKS.

PROJECT DESCRIPTION:

2 x 260 MW RAMAGUNDAM THERMAL POWER PROJECT, BPL GROUP

CLIENT:

MARUBENI CORPORATION, JAPAN

SCOPE OF WORK:

1. **DEMOLITION** OF TALL AND OTHER STRUCTURES.
2. **SITE GRADING AND LEVELING** WORK.
3. NALLAH DIVERSION WORK.
4. **ACCESS ROAD** FOR THE PLANT.

- ALL REQUIRED **GOVERNMENT APPROVALS FOR EXPLOSIVES.**
- ALL THE SPECIALISED TECHNICAL BACK-UP FOR COOLING TOWER DEMOLITION BY IMPLOSION METHOD.
- ALL **CONSTRUCTION EQUIPMENT, TOOLS AND TACKLES**
- **MANPOWER AND MANAGEMENT**
- CONSUMABLES, WATER AND ELECTRICITY.

SALIENT FEATURES:

CONTROLLED DEMOLITION OF TWO COOLING TOWERS.



PROJECT DESCRIPTION:

2 x 260 MW RAMAGUNDAM THERMAL POWER PROJECT, BPL GROUP

CLIENT:

MARUBENI CORPORATION, JAPAN

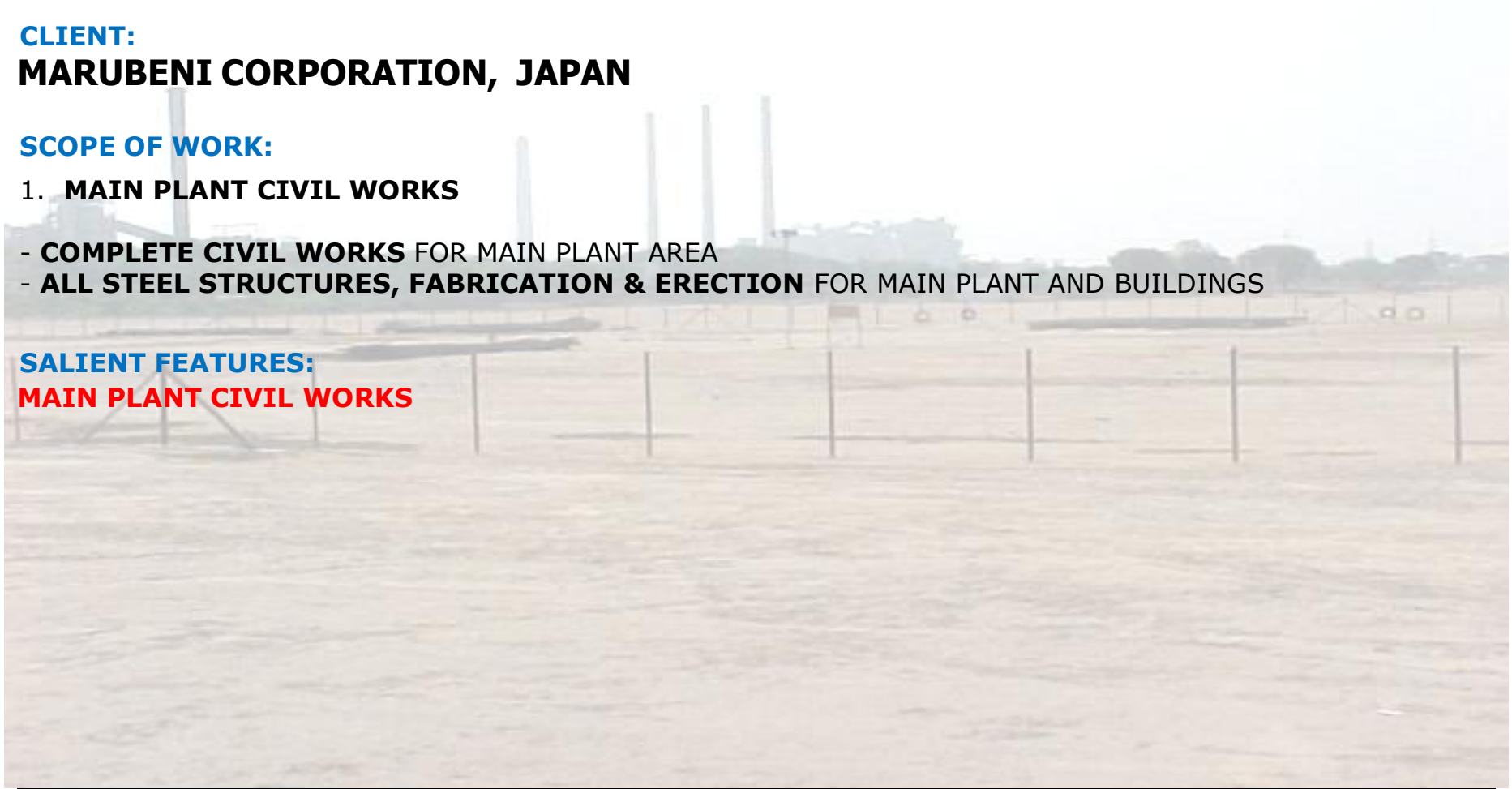
SCOPE OF WORK:

1. MAIN PLANT CIVIL WORKS

- **COMPLETE CIVIL WORKS** FOR MAIN PLANT AREA
- **ALL STEEL STRUCTURES, FABRICATION & ERECTION** FOR MAIN PLANT AND BUILDINGS

SALIENT FEATURES:

MAIN PLANT CIVIL WORKS



PROJECT DESCRIPTION:

270 MW COMBINED CYCLE POWER PROJECT - PKG – II, ASSAM

CLIENT:

NORTH EASTERN ELECTRIC POWER CORPORATION, INDIA

SCOPE OF WORK:

COMPLETE CIVIL WORK WITHIN THE PLANT AREA INCLUDING FOUNDATION, BUILDING INCLUDING FINISHING ITEMS, SWITCH YARD, GAS BOOSTER STATION, CONTROL ROOM ETC. ALSO CARRY OUT **COMPLETE STRUCTURAL STEEL FABRICATION AND ERECTION** (ROLLED AND BUILT-UP SECTIONS FROM PLATES), ROOFING AND CLADDING WORK ETC. ALL THE WORK IS PART OF PKG - II OF THIS PROJECT.

- **COMPLETE SUPPLY OF CIVIL MATERIALS** LIKE CEMENT, AGGREGATES, SAND, BRICKS, DOORS AND WINDOWS, FLOORING, GLAZING, PAINTS, GRATINGS, SPECIAL COLOUR COATED AND INSULATED ROOFING AND CLADDING MATERIAL, GRATINGS, CHEQUERED PLATES ETC. FOR THE COMPLETE WORK.
- ALL THE **CONSTRUCTION EQUIPMENT** INCLUDING AUTOMATIC WELDING MACHINES FOR STEEL BUILT UP SECTIONS, MANPOWER, TOOL & TACKLES, CONSUMABLES.
- **COMPLETE DETAILED ENGINEERING AND FABRICATION DRAWINGS** FOR STRUCTURAL STEEL WORK.

SALIENT FEATURES:

6 UNITS OF 30 MW GAS TURBINE AND 3 UNITS OF STEAM TURBINE WITH ASSOCIATED FACILITIES FOR COMBINED CYCLE POWER PLANT AT KATHALGURI, ASSAM FOR M/S NORTH EASTERN ELECTRIC POWER CORP.

PROJECT DESCRIPTION:

170 MW COMBINED CYCLE POWER PLANT, VIJESHWARAM

CLIENT:

DELTAK, USA

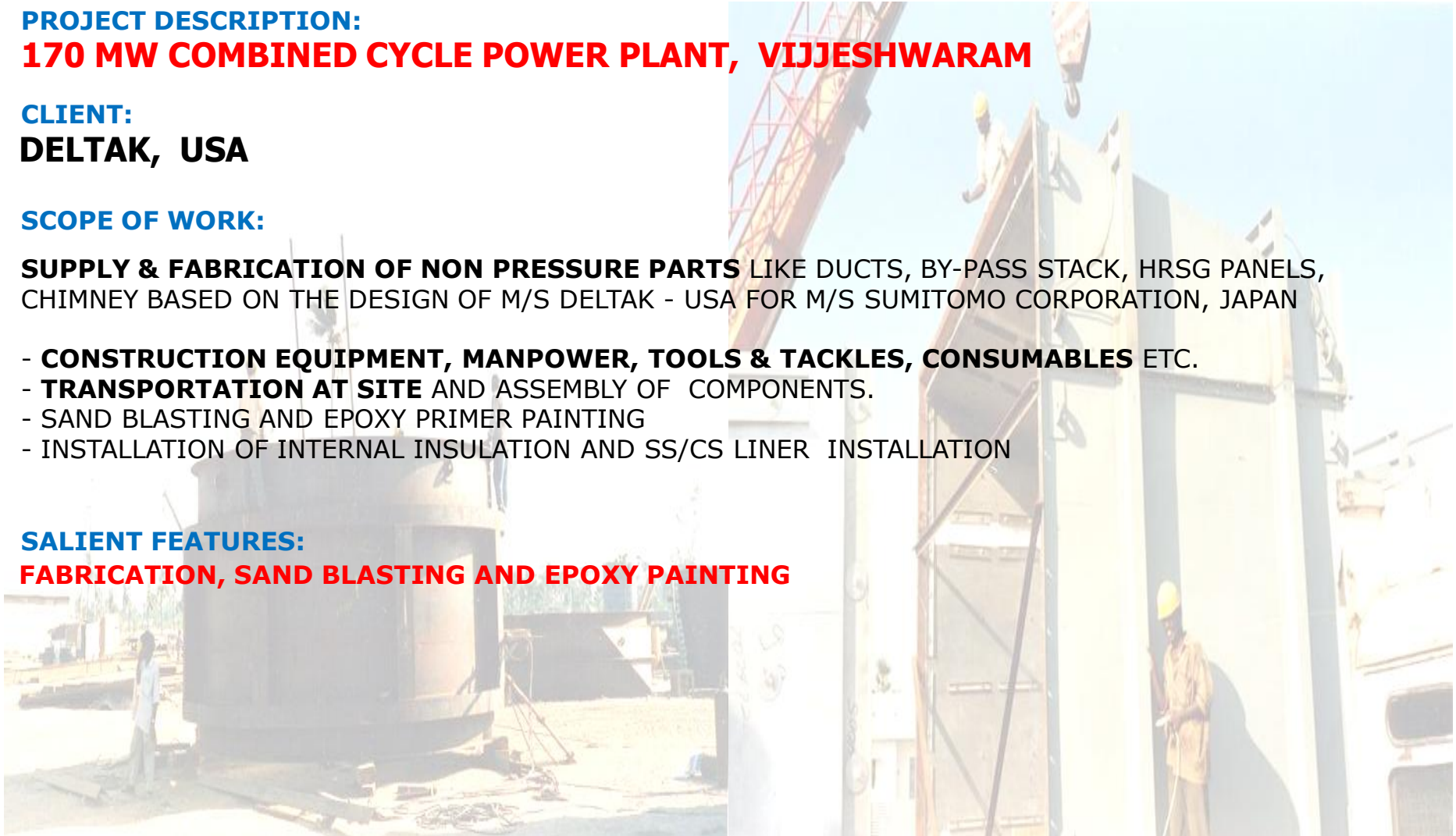
SCOPE OF WORK:

SUPPLY & FABRICATION OF NON PRESSURE PARTS LIKE DUCTS, BY-PASS STACK, HRSG PANELS, CHIMNEY BASED ON THE DESIGN OF M/S DELTAK - USA FOR M/S SUMITOMO CORPORATION, JAPAN

- **CONSTRUCTION EQUIPMENT, MANPOWER, TOOLS & TACKLES, CONSUMABLES** ETC.
- **TRANSPORTATION AT SITE** AND ASSEMBLY OF COMPONENTS.
- SAND BLASTING AND EPOXY PRIMER PAINTING
- INSTALLATION OF INTERNAL INSULATION AND SS/CS LINER INSTALLATION

SALIENT FEATURES:

FABRICATION, SAND BLASTING AND EPOXY PAINTING





PROJECT DESCRIPTION:

170 MW COMBINED CYCLE POWER PLANT, VIJESHWARAM

CLIENT:

SUMITOMO CORPORATION, JAPAN

SCOPE OF WORK:

- **COMPLETE CIVIL WORKS** INCLUDING SOIL INVESTIGATION AND PILING WORK, **STRUCTURAL STEEL FABRICATION/ERECTION/PAINTING, ERECTION OF POWER PLANT EQUIPMENT, FABRICATION AND ERECTION OF PIPING, PIPE SUPPORTS; ELECTRICAL WORK** INCLUDING SWITCH YARD, INSTRUMENTATION & CONTROL, **ASSISTANCE FOR PRE-COMMISSIONING AND COMMISSIONING**. FABRICATION OF C. W. PIPES FROM PLATE (1600 DIA), U.G. COATING AND INSTALLATION.
- **INTAKE CHANNEL AND PUMP HOUSE** FOR COOLING WATER. **SUPPLY OF CONSTRUCTION EQUIPMENT, MANPOWER, CONSUMABLES, TOOLS & TACKLES** ETC. FOR THE PROJECT.
- **DETAILED ENGINEERING AND FABRICATION DRAWINGS FOR STRUCTURAL STEEL WORK.**
- **MATERIAL SUPPLY FOR COMPLETE CIVIL WORK** I.E. CEMENT, STEEL, AGGREGATE SIDE SHEETING MATERIAL ETC.
- **STRUCTURAL STEEL MATERIAL SUPPLY.**
- **CONSTRUCTION EQUIPMENT** LIKE BATCH PLANT, TRANSIT MIXER, EXCAVATOR, SUBMERGED ARC WELDING MACHINES, CRANES INCLUDING 150 MT CRANE ETC.
- **MANPOWER, TOOLS TACKLES, CONSUMABLES** ETC.
- **CLIENT MATERIAL CONTROL.**
- **CLIENT SITE OFFICE.**

SALIENT FEATURES:

CONSTRUCTION OF POWER PLANT ON TURNKEY BASIS WITHIN A RECORD TIME OF 18 MONTHS.



PROJECT DESCRIPTION:

2 x 250 MW THERMAL POWER PROJECT AT DAHANU

CLIENT:

BHARAT HEAVY ELECTRICALS LIMITED, INDIA

SCOPE OF WORK:

ERECTION OF 11,000 MT OF POWER HOUSE STRUCTURES INCLUDING PRE-ASSEMBLY, SITE HANDLING AND MISCELLANEOUS SITE FABRICATION WORK.

SALIENT FEATURES:

SUPPLY OF CONSTRUCTION EQUIPMENT, MANPOWER, CONSUMABLES, TOOLS AND TACKLES.

PROJECT DESCRIPTION:

2 x 250 MW COAL BASED POWER PROJECT

CLIENT:

BSES LTD.

SCOPE OF WORK:

HANDLING AT SITE STORAGE YARD, **TRANSPORTATION, ERECTION, TESTING AND COMMISSIONING OF STEAM TURBINE GENERATOR, CRITICAL HP PIPING, CW PIPING, AUXILIARIES** AND PAINTING WORK FOR THE POWER PLANT.

SALIENT FEATURES:

SUPPLY OF ALL THE CONSTRUCTION EQUIPMENT, TOLLS AND PLANTS FOR INSTALLATION OF TURBINE GENERATOR, CONSUMABLES, TOOLS & TACKLES, NDT SERVICES ETC.



PROJECT DESCRIPTION:

2 x 130 MW COAL BASED POWER PLANT, JINDAL, KARNATAKA

CLIENT:

BADGER ENERGY, U.S.A. (Division of RAYTHEON, U.S.A)

SCOPE OF WORK:

DETAILED ENGINEERING, SUPPLY, FABRICATION, ERECTION, PRIMER PAINTING / GALVANIZING FOR COMPLETE STRUCTURAL STEEL FOR TURBINE BUILDING, COAL SILO BUILDING, PIPE RACKS, SERVICE BUILDING, WAREHOUSE, SWITCH YARD, GRATINGS ETC.

- **DETAILED ENGINEERING AND PREPARATION OF FABRICATION DRAWINGS.**
- **SUPPLY OF ALL THE STEEL MATERIAL INCLUDING HIGH STRENGTH BOLTS.**
- **FABRICATION OF COAL SILOS INCLUDING "SS" LINING**
- **CONSTRUCTION EQUIPMENTS LIKE CRANES, AUTOMATIC WELDING MACHINES.**
- **MANPOWER, TOOL & TACKLES, CONSUMABLES ETC.**
- SUPPLY AND INSTALLATION OF UNDER DECK SHEETS.
- SUPPLY, FABRICATION AND ERECTION OF SCREENS FOR PUMP HOUSE.

SALIENT FEATURES:

COMPLETE DETAILED ENGINEERING AND FABRICATION

PROJECT DESCRIPTION:

2 x 115 TPH HEAT RECOVERY STEAM GENERATORS FOR IOC, BARODA.

CLIENT:

INDIAN OIL CORPORATION OF INDIA

SCOPE OF WORK:

HANDLING, TRANSPORTATION, ERECTION, TESTING AND COMMISSIONING INCLUDING APPLICATION OF REFRACTORY, INSULATION, PAINTING AND CLADDING WORK

SUPPLY OF CONSTRUCTION EQUIPMENT, MANPOWER, TOOLS & TACKLES, CO-ORDINATION AND APPROVAL WITH INDIAN BOILER INSPECTION AGENCY.

SALIENT FEATURES:

INSTALLATION, ASSOCIATED CIVIL AND PIPING WORKS FOR HEAT RECOVERY STEAM GENERATORS



PROJECT DESCRIPTION:

1 x 125 TPH HEAT RECOVERY STEAM GENERATOR

CLIENT:

BHARAT HEAVY ELECTRICALS LIMITED, INDIA

SCOPE OF WORK:

ERECTION, TESTING AND COMMISSIONING OF 1 UNIT OF 125 TPH HEAT RECOVERY STEAM GENERATOR WITH ITS AUXILIARIES, STACK, PIPING, INSULATION, REFRACTORY AND PAINTING WORK.

SALIENT FEATURES:

SUPPLY OF ALL THE CONSTRUCTION EQUIPMENT, MANPOWER, CONSUMABLES, NDT SERVICES, TOOLS & TACKLES ETC.



PROJECT DESCRIPTION:

2 x 30 MW GAS BASED POWER PROJECT AT IOCL, GUJARAT

CLIENT:

BHARAT HEAVY ELECTRICALS LIMITED, INDIA

SCOPE OF WORK:

ERECTION, TESTING, COMMISSIONING 2 X 30 MW GAS TURBINE GENERATORS, AUXILIARIES , PIPING, INCLUDING C&I , ELECTRICAL EQUIPMENT AND FABRICATION AND ERECTION OF STEEL STRUCTURES AT SITE.

SALIENT FEATURES:

SUPPLY OF CONSTRUCTION EQUIPMENT, MANPOWER INCLUDING HEAVY RIGGING , TOOLS AND TACKLES ETC AND CO-ORDINATION WITH STATUTORY AUTHORITIES.





PROJECT DESCRIPTION:

1 x 20 MW GAS BASED POWER PROJECT FOR MARUTI UDYOG LTD.

CLIENT:

BHARAT HEAVY ELECTRICALS LIMITED, INDIA

SCOPE OF WORK:

UNLOADING, TRANSPORTATION TO SITE, ERECTION, TESTING AND COMMISSIONING OF GAS TURBINE WITH AUXILIARIES.

SALIENT FEATURES:

SUPPLY OF CONSTRUCTION EQUIPMENT, PROJECT AND CONSTRUCTION MANAGEMENT, MANPOWER, CONSUMABLES, TOOLS AND TACKLES ETC, CO-ORDINATION WITH STATUTORY AUTHORITIES.



PROJECT DESCRIPTION:

6 x 30 MW GAS BASED POWER PROJECT

CLIENT:

DELHI ELECTRIC SUPPLY UNDERTAKING, INDIA

SCOPE OF WORK:

DISMANTLING OF COMPLETE GAS TURBINE, CHANGING OF GAS TURBINE AND CARRYING OUT COMPLETE OVERHAULING OF GAS TURBINES DURING SHUT DOWN.

SALIENT FEATURES:

SUPPLY OF CONSTRUCTION EQUIPMENT, MANPOWER, CONSUMABLES AND TOOLS AND TACKLES.

PROJECT DESCRIPTION:

2 x 500 MW ANPARA SUPER THERMAL POWER PROJECT

CLIENT:

TOSHIBA PLANT KENSETSU, JAPAN

SCOPE OF WORK:

MAINTENANCE OF 500 MW STEAM TURBINE AND GENERATOR DURING THE 28 DAYS SHUT DOWN OF THE POWER PLANT

- ALL THE **CONSTRUCTION TOOLS AND TACKLES**
- **MANPOWER AND MANAGEMENT**
- **CONSUMABLES**

SALIENT FEATURES:

OVERHAULING WORK OF TURBINE AND GENERATOR.



PROJECT DESCRIPTION:

1 x 46.8 TPH HEAT RECOVERY STEAM GENERATOR

CLIENT:

BHARAT HEAVY ELECTRICALS LIMITED, INDIA

SCOPE OF WORK:

UNLOADING, ERECTION, TESTING AND COMMISSIONING OF HEAT RECOVERY STEAM GENERATOR AND ITS AUXILIARIES, PIPING, FEED WATER SYSTEM, DEAREATOR SYSTEM INCLUDING INTER CONNECTING PIPING WORK.

SALIENT FEATURES:

SUPPLY OF CONSTRUCTION EQUIPMENT, MANPOWER, CONSUMABLES, TOOLS & TACKLES ETC. FOR THE PROJECT.



PROJECT DESCRIPTION:

2.5 MW DG BASED POWER PROJECT, ITC - BANGALORE

CLIENT:

BSES LIMITED, INDIA

SCOPE OF WORK:

CIVIL WORKS,ERECTION AND COMMISSIONING WORK OF 2.5 MW DG BASED POWER PROJECT.

- ALL THE **MATERIALS FOR CIVIL WORKS.**
- **ISOMETRIC AND AS BUILD DRAWINGS.**
- ALL **CONSTRUCTION EQUIPMENT, TOOLS AND TACKLES**
- **MANPOWER AND MANAGEMENT**
- **CONSUMABLES, WATER AND ELECTRICITY.**

SALIENT FEATURES:

ERECTION AND COMMISSIONING WORKS.



AREAS OF WORK

- Refinery
- Petrochemicals
- Industrial plant & Buildings
- Fertilizer Plants
- Chemical Plants
- Steel Plants
- Pipelines





PROJECT DESCRIPTION:

PEPSI BOTTLING PLANT, JAGADHIA

CLIENT:

PEPSICO INDIA HOLDING PVT. LTD., INDIA

SCOPE OF WORK:

ERECTION OF EQUIPMENT, FABRICATION & ERECTION OF PIPING AND TANKS, FABRICATION & ERECTION STRUCTURAL STEEL INCLUDING SUPPLY, INSULATION, PAINTING, U.G. PIPING ETC FOR BOTTLING PLANT.

SALIENT FEATURES:

SUPPLY OF CONSTRUCTION EQUIPMENT, MANPOWER, TOOLS & TACKLES, CONSUMABLES ETC. CO-ORDINATION FOR STATUTORY CLEARANCES LIKE EXPLOSIVES AND IBR AUTHORITIES.



PROJECT DESCRIPTION:

COPPER SMELTER PROJECT, JAGADHIA

CLIENT:

SWIL LIMITED, INDIA

SCOPE OF WORK:

DESIGN, DETAILED ENGINEERING, PROCUREMENT, SUPPLY, CIVIL CONSTRUCTION, SUPPLY OF STORAGE TANKS & EQUIPMENT, PIPING, ELECTRICAL AND INSTRUMENTATION WORK FOR FUEL OIL AND SULPHERIC ACID UNLOADING, STORAGE AND TRANSFER SYSTEM.

- **DESIGN AND ENGINEERING FOR THE COMPLETE SYSTEM** AND APPROVAL FOR THE SAME FROM CONSULTANT (M/S ENGINEERS INDIA LTD.)
- SUPPLY OF **ALL THE CIVIL MATERIAL**
- **SUPPLY OF STRUCTURAL STEEL, STORAGE TANKS, EQUIPMENT.**
- **PIPES FITTING AND VALVES**
- **ELECTRICAL EQUIPMENTS** AND INSTRUMENTS.
- **MANPOWER AND CONSTRUCTION EQUIPMENTS** FOR CONSTRUCTION.
- **TOOLS TACKLES AND CONSUMABLE.**
- STATUTORY APPROVALS

SALIENT FEATURES:

DETAILED ENGINEERING AND DESIGNS.



PROJECT DESCRIPTION:

COPPER SMELTER PROJECT, JAGADHIA

CLIENT:

SWIL LIMITED, INDIA

SCOPE OF WORK:

CIVIL, STRUCTURAL STEEL, ARCHITECTURAL WORK FOR VARIOUS BUILDINGS LIKE ASSEMBLY HALL, CANTEEN BUILDING, LABORATORY & SAMPLE STORAGE, WEIGH BRIDGE ROOM, TIME OFFICE/GATE HOUSE AND BY-PRODUCT STORAGE ROOM.

- **SUPPLY OF ALL THE CIVIL MATERIAL**
- **SUPPLY OF ALL THE EQUIPMENT, MANPOWER, TOOLS AND CONSUMABLES** FOR THE WORK.

SALIENT FEATURES:

SUPPLY OF CIVIL MATERIALS, EQUIPMENT AND MANPOWER.



PROJECT DESCRIPTION:

RELIANCE REFINERY PROJECT, JAMNAGAR

CLIENT:

RELIANCE PETROLEUM LIMITED, INDIA

SCOPE OF WORK:

- **CONSTRUCTION OF 7 NOS SUB STATION BUILDINGS.**
- **GRADING AND MASS EXCAVATION WORK**
- ROCK EXCAVATION AND DISPOSAL WORK
- **FABRICATION OF STRUCTURAL STEEL WORK - 2500 MT**
- **PIPING FABRICATION AND ERECTION** FOR MEROX AND AMINE UNITS.
- **EQUIPMENT ERECTION AND FABRICATION AND ERECTION OF PIPING FOR SEA WATER INTAKE SYSTEM**
- SUPPLY OF CONSTRUCTION EQUIPMENTS
- SUPPLY OF POWER FOR CONSTRUCTION WITH D. G. SETS.
- MANPOWER, TOOLS AND TACKLES AND CONSUMABLES.
- CIVIL MATERIAL LIKE BRICKS, HUME PIPES, CONCRETE TANKS ETC.

SALIENT FEATURES:

CONSTRUCTION OF SUB-STATION BUILDINGS AND EQUIPMENT ERECTION, FABRICATION AND PIPING ERECTION FOR SEA WATER INTAKE SYSTEM.



PROJECT DESCRIPTION:

DIESEL - HYDRO DESULPHURISATION PROJECT, IOCL - BARODA

CLIENT:

DAELIM ENGINEERS AND CONSTRUCTORS, S. KOREA

SCOPE OF WORK:

A.G. AND U. G. FIRE FIGHTING PIPING WORK IN PROCESS AND UTILITIES AREAS.

- **SUPPLY OF ALL THE CONSTRUCTION EQUIPMENT**
- **MANPOWER, TOOLS & TACKLES, CONSUMABLES ETC.**
- UNDER GROUND COATING MATERIAL.
- NDT SERVICES.
- ASST. FOR APPROVAL FROM "TAC" FOR FIRE FIGHTING SYSTEM

SALIENT FEATURES:

FIRE FIGHTING PIPING WORKS AND SUPPLY OF CONSTRUCTION EQUIPMENT.



PROJECT DESCRIPTION:

DIESEL - HYDRO DESULPHURISATION PROJECT, HPCL - MUMBAI

CLIENT:

HYUNDAI ENGINEERING CO., S. KOREA

SCOPE OF WORK:

COMPLETE CIVIL WORK IN FOUNDATIONS, CABLE TRENCHES, PAVING, FIRE PROOFING ETC. **STR. STEEL FABRICATION, ERECTION** AND PAINTING WORK INCLUDING ROOFING AND CLADDING WORK FOR HYDROGEN GENERATION UNIT OF "DHDS" PROJECT.

- **DETAILED ENGINEERING AND FABRICATION DRAWINGS.**
- **SUPPLY OF ALL THE MATERIAL** INCL. ANCHOR BOLTS.
- **STR. STEEL MATERIAL** INCL. G.I. GRATINGS, CHQ. PLATES ETC.
- COLOURED COATED PROFILED SHEETS FOR CLADDING WORK
- ALL THE **CONST. EQUIPMENTS** LIKE CRANES, MIXERS, ETC.
- **MANPOWER, TOOLS & TACKLES AND CONSUMABLES.**
- **TESTING FACILITY** FOR CIVIL ACTIVITIES.

SALIENT FEATURES:

DETAILED ENGINEERING AND FABRICATION DRAWINGS, PROOFING AND CLADDING WORKS.



PROJECT DESCRIPTION:

DIESEL - HYDRO DESULPHURISATION PROJECT, IOCL - BARODA

CLIENT:

DAELIM ENGINEERING CO., S. KOREA

SCOPE OF WORK:

COMPLETE **UNDER GROUND AND ABOVE GROUND PIPING WORK** INCLUDING FIRE FIGHTING SYSTEM, UNDERGROUND COATING ETC. FOR HYDROGEN GENERATION UNIT OF "DHDS" PROJECT.

- **INSTALLATION OF U.G. PIPING.**
- SUPPLY OF ALL THE MATERIAL FOR UNDERGROUND COATING WORK.
- ALL THE **CONST. EQUIPMENTS** LIKE CRANES, MIXERS, ROAD ROLLER ETC.
- **MANPOWER, TOOLS & TACKLES AND CONSUMABLES.**
- **TESTING FACILITY** FOR PIPING WORK.

SALIENT FEATURES:

UNDERGROUND AND ABOVE GROUND PIPING WORKS AND FIRE FIGHTING SYSTEM



AREAS OF WORK

- Highways
- Bridges & Flyovers
- Ports & Jetties
- Cooling Water Pump Houses
- Intake Wells
- Wiers
- Irrigation Canals





PROJECT DESCRIPTION:

270 MW COMBINED CYCLE POWER PROJECT PKG – III, ASSAM

CLIENT:

NORTH EASTERN ELECTRIC POWER CORPORATION, INDIA

SCOPE OF WORK:

DESIGN, ENGINEERING, SUPPLY, CONSTRUCTION, ERECTION, TESTING AND COMMISSIONING OF BRIDGE SUPER STRUCTURE (525 MTR) AND 20"/24" X 20 KM TWIN PIPELINE AND ASSOCIATED ELECTRICAL AND INSTRUMENTATION WORK.

- **DESIGN AND ENGINEERING OF COMPLETE SYSTEM**
- **SUPPLY OF ALL THE CIVIL MATERIAL, WATER PUMPS AND ALL ELECTRICAL AUX.IL, MATERIAL FOR PRE-STRESSING OF GIRDERS.**
- **LIFTING AND SHIFTING OF THE GIRDERS.**
- **EQUIPMENT AND MANPOWER FOR CONSTRUCTION.**
- **TOLLS & TACKLES, CONSUMABLES ETC.**

SALIENT FEATURES:

BRIDGE SUPER STRUCTURE (525 MTR) AND 20"/24" X 20 KM TWIN PIPELINE.

PROJECT DESCRIPTION:

270 MW COMBINED CYCLE POWER PROJECT PKG – III, ASSAM

CLIENT:

NORTH EASTERN ELECTRIC POWER CORPORATION, INDIA

SCOPE OF WORK:

DESIGN, ENGINEERING, SUPPLY, CONSTRUCTION, ERECTION, TESTING AND COMMISSIONING OF MAKE-UP WATER SYSTEM COMPRISING OF DOUBLE "D" INTAKE WELL & PUMP HOUSE,

- **DESIGN AND ENGINEERING OF COMPLETE SYSTEM**
- **SUPPLY OF ALL THE CIVIL MATERIAL, WATER PUMPS AND ALL ELECTRICAL AUX.IL, MATERIAL FOR PRE-STRESSING OF GIRDERS.**
- **LIFTING AND SHIFTING OF THE GIRDERS.**
- **EQUIPMENT AND MANPOWER FOR CONSTRUCTION.**
- **TOLLS & TACKLES, CONSUMABLES ETC.**

SALIENT FEATURES:

DOUBLE "D" INTAKE WELL & PUMP HOUSE

PROJECT DESCRIPTION:

170 MW COMBINED CYCLE POWER PLANT, VIJESHWARAM

CLIENT:

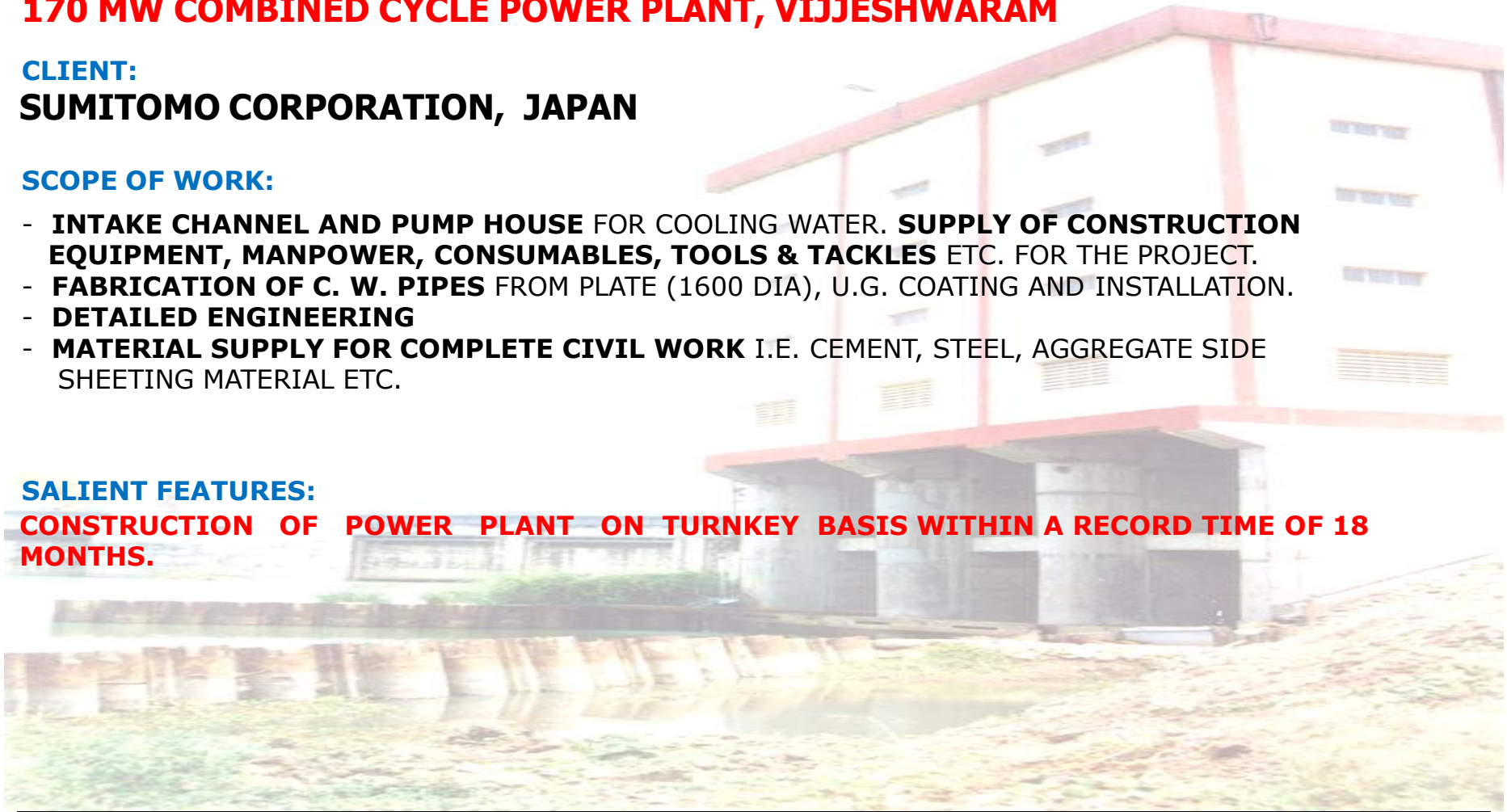
SUMITOMO CORPORATION, JAPAN

SCOPE OF WORK:

- **INTAKE CHANNEL AND PUMP HOUSE FOR COOLING WATER. SUPPLY OF CONSTRUCTION EQUIPMENT, MANPOWER, CONSUMABLES, TOOLS & TACKLES ETC. FOR THE PROJECT.**
- **FABRICATION OF C. W. PIPES FROM PLATE (1600 DIA), U.G. COATING AND INSTALLATION.**
- **DETAILED ENGINEERING**
- **MATERIAL SUPPLY FOR COMPLETE CIVIL WORK I.E. CEMENT, STEEL, AGGREGATE SIDE SHEETING MATERIAL ETC.**

SALIENT FEATURES:

CONSTRUCTION OF POWER PLANT ON TURNKEY BASIS WITHIN A RECORD TIME OF 18 MONTHS.





MECHANICAL DEPARTMENT

STRUCTURAL FABRICATION / ERECTION OF OVER 20,000 TONNES INCLUDING SITE FABRICATION.

PIPING WORK OF OVER 550,000 INCH MTR. CONSISTING OF MAINLY HIGH PRESSURE PIPING.

ERECTION OF EQUIPMENT FOR HRSG/TURBINE ETC. APPX. 7,500 MT WHICH INCLUDES GAS TURBINE, STEAM TURBINE PR. PARTS, CHIMNEY, DUCTS ETC.

CLIENT'S TAILORED SERVICES

OVER 1 MILLION TONNES OF PROJECT CARGO HANDLED.

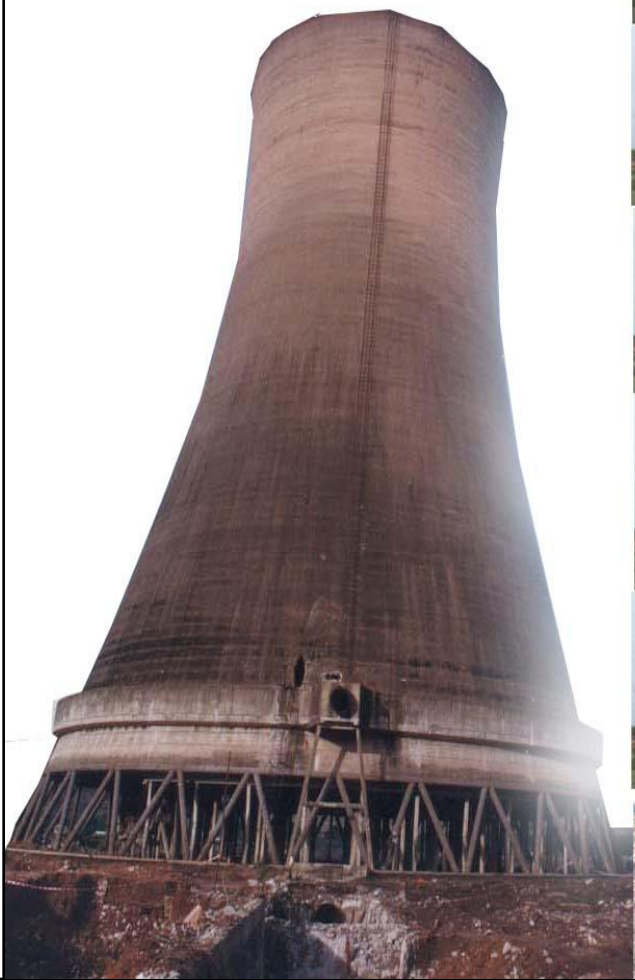
OVER 150 NOS. OF ODC WEIGHT RANGING FROM 90 TONNES TO 320 TONNES HANDLED BY ROAD, RAIL & BARGES (RO-RO).

6 NOS OF RO-RO JETTIES CONSTRUCTED TO RECEIVE PACKAGES WEIGHING FROM 120 MT TO 320 MT.

OVER 50 MILLION KMS TOTAL ROAD DISTANCE COVERED FOR PROJECT CARGO .

HEAVY PACKAGES WEIGHING OVER 2100 MT PLACED ON TO FOUNDATION AT SITE.

**For the first time in India
Demolition of Super Structure by
CONTROLLED DEMOLITION**



Badger Energy Inc.

Jindal Tractebel Power Company Ltd.
Power Project
Torangallu, India

**ONE MILLION
SAFE PROJECT
MAN HOURS**

Achievement Participant Award
to

DELTA MECHCONS (INDIA) LTD.
January, 1997

BADGER ENERGY INC.
POST BOX NO. 8, TORANGALLU,
DIST. BELLARY - 583123. INDIA.

Badger Energy Inc.

Jindal Tractebel Power Company Ltd.
Power Project
Torangallu, India

**TWO MILLION
SAFE PROJECT
MAN HOURS**

Achievement Participant Award
to

DELTA MECHCONS (INDIA) LTD.
May, 1997

BADGER ENERGY INC.
POST BOX NO. 8, TORANGALLU,
DIST. BELLARY - 583123. INDIA.



THANK YOU!

THE DELTA GROUP

COMMITTED, CONSISTENT, CAPABLE