

## CONSULTANCY & PROJECT MONITORING SERVICE

Till date, MECON has rendered services in this area for approximately 3,67,000 tonnes. The major projects include:

- Modernisation of Durgapur Steel Plant 84,200 tonnes
- Steel Plant at Warri, Delta Steel Company Nigeria 29,400 tonnes
- Integrated steel plant at Ajaokuta, ASCL Nigeria 2,34,500 tonnes
- Charge chrome project, OMC, Orissa 1,750 tonnes
- Additional flux crushing and screening facilities, Bokaro Steel Plant 4,500 tonnes
- Lead zinc smelter project, HZL, Chanderia 13,000 tonnes
- 1.0 MTPA, Integrated Steel Plant at Duburi for Neelachal Ispat Nigam Ltd. 40,000 tonnes



## SUPPLY AND ERECTION OF STEEL STRUCTURES

So far, MECON has undertaken supply and erection of steel structures for approximately 47,000 tonnes

- Continuous slab Casting Plant under RSP Modernisation 16000 tonnes
- External Coal Handling Plant of TNEB, Chennai 11,000 tonnes
- Second Launch Pad (SLP) Project at Sriharikota 4170 tonnes
- Rebuilding of C.O.B Battery No.5 of Bokaro Steel Plant ( In Progress) 1000 tonnes
- Rebuilding of C.O.Battery No.5 of Rourkela Steel Plant 700 tonnes
- Tar Bonded Dolomite Brick Plant under RSP-Modernisation 700 tonnes
- Lignite Handling System, Neyvalli Lignite Corporation ( In Progress) - 7000 tonnes
- Upgradation of 1250 Cu.m Blast Furnace No.3 Durgapur Steel Plant 6000 tonnes
- O.Revamping of Blast Furnace No.7 (2230 Cu.m) Bhilai Steel Plant ( In Progress) 600 tonnes



**मेकाँन लिमिटेड**  
**MECON LIMITED**

(A Govt. of India Enterprise)

Vivekananda Path, Doranda, Ranchi 834 002, Jharkhand, India

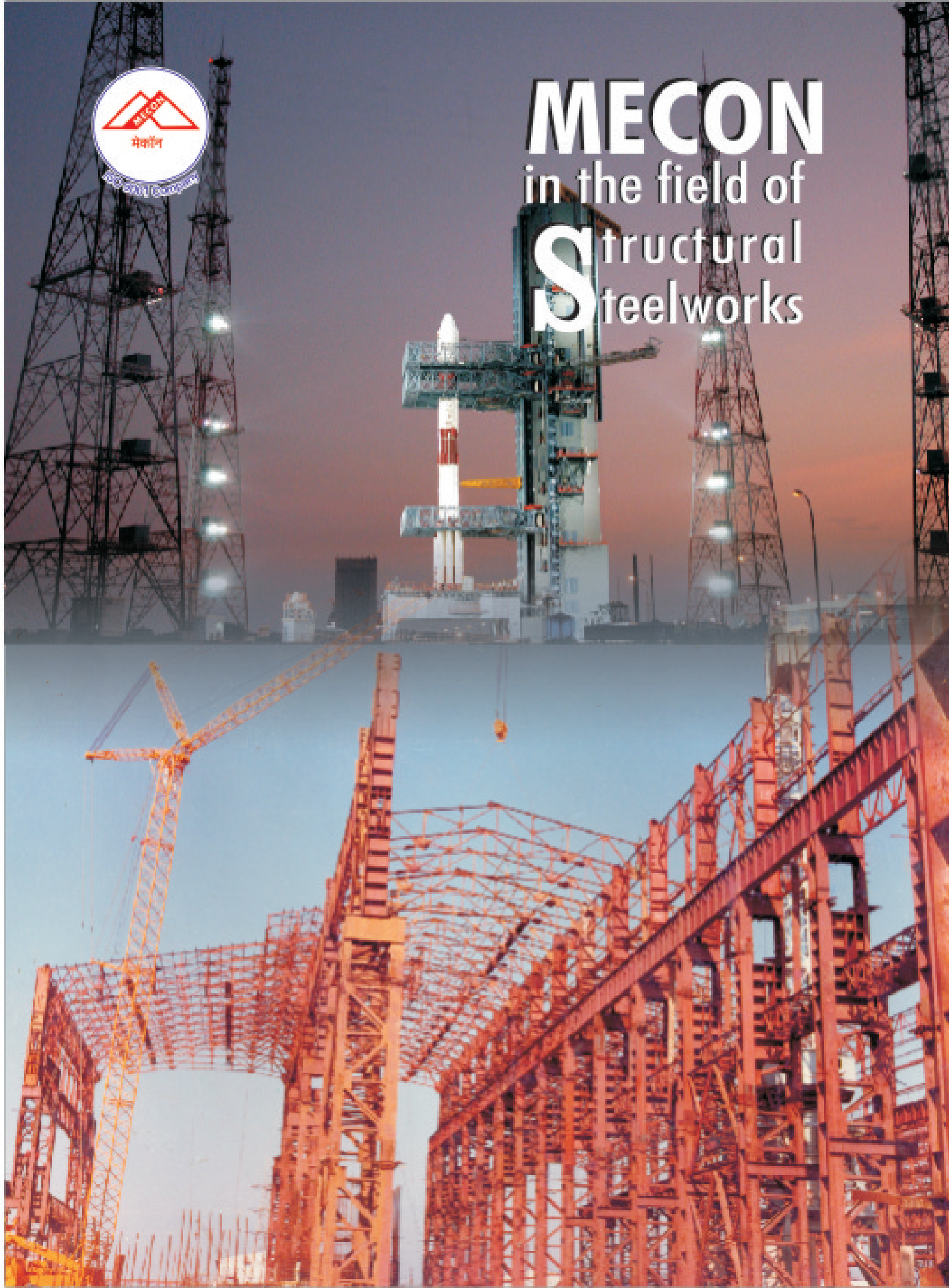
For Business Enquiry Contact:  
General Manager, Corporate Services (Marketing)  
Phone : +91-651-2482197  
Fax: +91-651- 2482214, 2482215  
E-mail : [consales@ranchi.mecon.co.in](mailto:consales@ranchi.mecon.co.in)  
web site : <http://www.mecon.co.in>

### Major Offices :

City	Phone	Fax	E-mail
Bangalore	+91-80-26571661-68	+91-80-26576352	<a href="mailto:bangalore@mecon.co.in">bangalore@mecon.co.in</a>
New Delhi	+91-11-22041201	+91-11-22041214	<a href="mailto:delhi@mecon.co.in">delhi@mecon.co.in</a>
Mumbai	+91-22-27812155-58	+91-22-27812275	<a href="mailto:mumbai@mecon.co.in">mumbai@mecon.co.in</a>
Chennai	+91-44-26261911	+91-44-26261474	<a href="mailto:chennai@mecon.co.in">chennai@mecon.co.in</a>
Kolkata	+91-33-22822381-82	+91-33-22824441	<a href="mailto:kolkata@mecon.co.in">kolkata@mecon.co.in</a>

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**MECON**  
in the field of  
**Structural Steelworks**

## MECON TODAY

MECON, a frontline Government of India undertaking, owes its origin to Central Engineering and Design Bureau (CEDB), the design wing of the erstwhile Public Sector giant, Hindustan Steel Limited, which was set up way back in 1959. Over the last four decades, the organization has attained commanding heights, playing a significant role on the country's fast changing industrial front. Starting with iron and steel, MECON subsequently diversified its activities. Today, MECON stands out as a giant multi-disciplinary metallurgical consultant which can offer a wide range of project engineering and management services both at home and abroad.

## Major Fields of Activities

- Consultancy and engineering in various ferrous and non-ferrous metallurgical industries, mining, refractory, power Plants, environmental engineering, material handling, Ocean engineering, mint & note press, CNG facilities, space technology etc.
- Equipment and system design and supply-rolling mills, coke oven batteries, coke dry cooling plants, continuous casting plants, refractory manufacturing plants, BOF converter gas cleaning plants, blast furnace equipment, Rocket Launching Facilities.
- Comprehensive engineering services feasibility reports, basic engineering, preparation of tender documents and tender evaluation, detailed engineering including civil, structural, and electricals, procurement services, inspection and expediting, etc.
- Construction and project management services
- Erection and commissioning services.

## Expertise in the Field of Structural Steelworks

The Structural Engineering Division of MECON has a well-knit team of experts who have rendered services in the field of structural steelworks for various projects in India and abroad. Extensive CAD facilities are also available for design and drafting. Engineers have received training abroad in the field of complex technological and industrial structures.

## Spheres of Activities

Depending on the nature of projects, MECON offers services in the field of structural steelworks in the following areas:

- Detailed engineering & preparation of design drawings
- Activities related to preparation of Techno Economic feasibility reports, Detailed Project reports
- Preparation of fabrication drawings
- Comprehensive Study & information reports, Asset Evaluation etc.
- Approval of Vendor's fabrication drawings
- Supply of fabricated steel structures and erection of steel structures
- Site services like designer's supervision, construction supervision, etc.
- Preparation of technical specification, tender documents, tender scrutiny and recommendations
- Project monitoring & construction management services
- Assistance to Bureau of Indian Standards



## Range of Technical Expertise

As a services unit to the main technological wings, the Structural Engineering Division of MECON has vast experience in rendering the aforesaid services in the following fields:

- Blast furnace, stoves, dust catcher, etc, for iron making units
- Sintering plants
- Steel melting shops
- Continuous casting plants
- Coke ovens & by-product plants, coke dry cooling plants
- Rocket Launching facilities
- Rolling mills and auxiliary units
- Materials handling systems like conveyor galleries, transfer houses, stock houses, bunkers & silo
- Power plants
- Non-ferrous industries like aluminium, zinc, etc
- Refractories materials plants
- Sponge iron plants
- Technological upgradation of blast furnaces
- Converter gas cleaning & storage systems
- Inter-plant pipelines & supporting systems
- Industrial chimneys
- Petro-chemical complexes



## Major Assignments

### CONSULTANCY AND DETAILED ENGINEERING ASSIGNMENTS

Till date, MECON has rendered/ is rendering services in the field of structural steelworks for approximately 7,82,000 tonnes. The major projects include:

- Expansion of Bhilai Steel Plant to 4Mt capacity 1,20,000 tonnes
- Expansion of Bokaro Steel Plant to 4Mt capacity 1,74,000 tonnes
- Direct reduction plant at Hazira, Essar Steel 2,100 tonnes
- Kudremuch iron ore projects 30,000 tonnes
- Pig iron complex at Redl, UIL and at Goa NDIL 4,500 tonnes
- Rehabilitation facilities for Durgapur Steel Plant 4,500 tonnes
- 7m tall coke oven battery & coke dry cooling plants 14,000 tonnes
- Fine ore handling system, Bailadila 1,650 tonnes
- Sponge iron plant, OSIL 1,250 tonnes
- Spirally welded pipe plant, RSP 3,000 tonnes
- Cell house, BALCO, Korba 2,400 tonnes
- Billet casting facilities, NALCO 1,850 tonnes
- Cold rolling mills, Steelco, Gujarat 1,750 tonnes
- Strip rolling complex, LSIL, Wardha 6,300 tonnes
- Mangalore Pellet Plant 9,000 tonnes
- Downstream facilities for Essar Steel, Gujarat 23,600 tonnes
- Aluminium Foil Plants at Silvassa for HINDALCO 2100 tonnes
- 1.0 MTPA Integrated Steel Plants at Duburi, Orissa for NINL 40,000 tonnes
- 350 Cu.m BF Complex at Raigarh for M/S JSPL 3600 tonnes
- 1250 Cu.m BF Complex at Toranagallu for M/S JVSL 11,200 tonnes
- 0.6 MTPA DR Plant Complex at Mermandalli, Orissa for M/S Bhushan Steel & Strips Ltd. 14,000 tonnes
- 2.5 MTPA Expansion of JSPL Plants at Raigarh. (In progress) 30,000 tonnes
- 4.0 MTPA Expansion of JVSL Plants at Toranagallu ( In Progress) 20,000 tonnes
- 1.8 MTPA Expansion of Bhushan Ltd plant at Rengali, Orissa ( In Progress) 42,000 tonnes
- 3.0 MTPA Expansion of Bhushan Steel and Strips Ltd Plant at Meramandalli ( In Progress). 60,000 tonnes
- 7mts Tall Coke Oven Battery No.4 and Coke Dry Cooling Plant at Vishakhapatnam Steel Plant ( In Progress) 5,300 tonnes
- FeCr Plant Complex of M/S Jindal Stainless Ltd. at Duburi ( In Progress) 6600 tonnes
- DR based Steel Plant of M/S Ramsaroop Lohh Udyog Ltd. at Kharagpur, WB ( In Progress) 16,000 tonnes
- 350 Cu.m BF Complex and DISP Plant at Bhuj for Saw Pipes Ltd. 6600 tonnes

