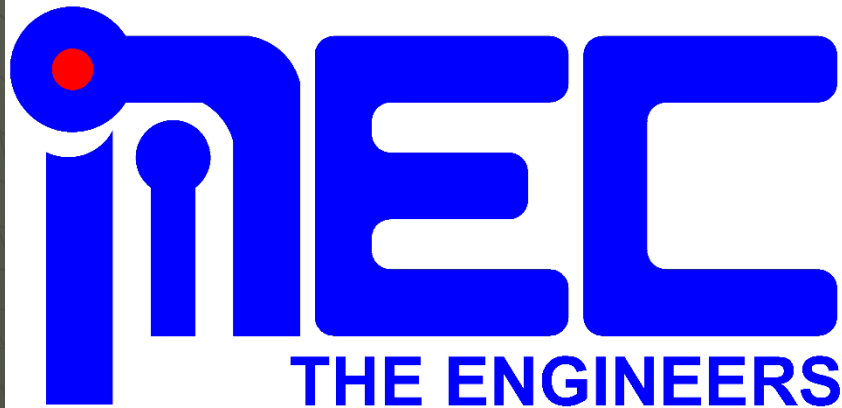


MEC ENGINEERING SOLUTIONS

(Sponge and Power plant consultant)



- ◆ Started in 2007 , MEC ENGINEERING SOLUTIONS is a multi disciplinary Engineering firm, which undertakes Consultancy, design, detailing and material supply for various industries .
- ◆ MEC means complete solution for mechanical, electrical and civil engineering.

ABOUT MECES

- ✓ MEC was promoted in 2007 by a technocrats, who were Heading Various Divisions of Engineering Department for sponge & Power Plant consultant in India.
- ✓ Directors are having all field experience in Mechanical, Electrical, and Civil Engineering.
- ✓ Directors had 15 Eventful Years of Experience.
- ✓ Directors had served in various divisions such us proposals, Estimations, Performance Engineering, Detailed Engineering, Commissioning, Performance Testing and Trouble Shooting.
- ✓ In the area of mechanical, Electrical and Civil MEC has their own team. Apart from this MEC has Associates who are leaders in their Field.
- ✓ To put in a Nutshell, MEC has forged a strong Design & Engineering team in all the Fronts.

AREA OF WORK

SPONGE IRON PLANT (50 TPD to 500 TPD).
(Concept up to Commissioning)

POWER PLANT (Consultant)

STEEL MELTING SHOPS
(Equipment and other Engineering works)

FIELD OF OPERATION

SPONGE AND POWER PLANT CONSULTANCY

DESIGN AND DETAIL ENGINEERING

MATERIAL HANDLING SYSTEM

SHED DESIGN

SLAG CIRCUIT DESIGN

3RD PARTY INSPECTION

PROJECT ESTIMATION AND COSTING

PROJECT MANAGMENT

OUR TECHNICAL SERVICES



- ❖ Detailed Project Work (Feasibility study).
- ❖ Technical Consultancy Services for Sponge Iron Plants and Power Plants either with EPC or with Package basis.
- ❖ Detailed Design and Engineering services for Sponge Iron, SMS and Power Plants.
- ❖ Engineering of Complete Plant Piping.
- ❖ Engineering of Bunker, Chimney, Silos, and Tanks etc...
- ❖ Design and Engineering of all CIVIL structures and Supports, RCC Chimney & RCC Silo.
- ❖ Preparation of Isometric Piping's, Rooting and Instrumentation Drawings.

MECES DETAIL SERVICE

- ❖ Preparing & submitting technical specification/data sheets for inviting proposals for various bought out items and evaluating technical bid for recommendation of qualified vendors.
- ❖ Based on customer requirement and site conditions, recommending for most optimum sizing of plant equipment's.
- ❖ Vetting and approving the documents and drawings of various equipment's.

MECES DETAIL SERVISE

ELECTRICAL ENGINEERING SERVICES

- ❖ Sizing of power and distribution transformer and emergency diesel generator, overall single line diagram of plant with protection and metering requirements.
- ❖ Sizing and preparation of technical specification for procurement of electrical 11 kV & 33 kV panels, MCC, transformers, DC Equipment, HT/LT cable sizing and scheduling.
- ❖ Preparation of control schematic and layout drawings to facilitate electrical erection.

INSTRUMEN ENGINEERING SERVICES

- ❖ Preparation of pre-bid technical specification for plant instrumentation and DCS or PLC system, bill of quantities with estimated cost.
- ❖ Detail engineering of plant instrumentation including instruments list, control valve list, pneumatic actuators, instrumentation data sheet, field instrument erection, location, signal cable routing.
- ❖ Basic engineering of plant DCS or PLC system including DCS/PLC signal input/output, system architecture.

MECES DETAIL SERVISE

CIVIL ENGINEERING SERVICES

- ❖ Preparing and submitting the construction drawings for foundation of the integrated steel plants and equipment's based on loading details received from the respective vendors.
- ❖ Providing construction drawings for all plant buildings etc.

PROJECT MANAGEMENT SERVICES

- ❖ Co-ordination with civil construction agency for execution of civil work.
- ❖ Co-ordination with respective equipment supplier for the equipment erection.
- ❖ Field quality assurance and control.
- ❖ Checking pre commissioning activities.
- ❖ Witnessing the commissioning of the entire plant

PROJECTS EXPERIENCES

S.N.	PROJECT NAME	PLANT CAPACITY/TYPE	STATUS
1	M/s ISHAN CALCI PVT. LTD. (MH)	2 X 100 TPD LIME CALCINATION PLANT	ENGINEERING WORK UNDER PROGRESS
2	M/s NUTAN SPONGE AND POWER LTD. (C.G.)	2 X 100 TPD SPONGE IRON PREHEATING KILN	Successfully Commissioned
3	M/s MAHENDRA SPONGE AND POWER LTD.(U-II) RAIPUR(C.G.)	3 X 100 TPD (3 rd Kiln) SPONGE IRON PLANT	Successfully Commissioned
4	M/s ABHIJEET FERROTECH LTD. (A.P.)	PEB SHED DESIGN AND SUPPLY	Successfully Commissioned
5	M/s MAHENDRA SPONGE AND POWER LTD.(U-II) RAIPUR(C.G.)	3 X 100 TPD (2 rd Kiln) SPONGE IRON PLANT	Successfully Commissioned
6	M/s RAJAURI STEEL LTD (MH)	2 X 100 TPD (2 rd Kiln) SPONGE IRON PLANT	Successfully Commissioned
7	M/s KAVIRDHAM COMPLEX,IRAN	2 X 350 TPD SPONGE IRON PROJECT	Successfully Commissioned
8	M/s MAHENDRA SPONGE AND POWER LTD.(U-II) RAIPUR	2 X 100 TPD SPONGE IRON PLANT	Successfully Commissioned
9	M/s VANDANA GLOBAL LTD. RAIPUR (C.G)	SPONGE IRON PRODUCT CIRCUIT MODIFICATION	Successfully Commissioned
10	M/s GALLANNT METAL LTD. GUJRAT	1 X 100 TPD PRE HEATING SPONGE IRON PLANT	Successfully Commissioned
11	M/s LLOYDS METAL AND ENERGY LTD.	1 X 350 TPD DSC MODIFICATION WORK	Successfully Commissioned
12	M/s GALLANNT ISPAT LTD., GORKHPUR	1 X 350 TPD,100X1TPD SPONGE IRON PLANT	Successfully Commissioned
13	M/s GALLANNT ISPAT LTD. GORKHPUR	SLAG CKT DESIGNING	Successfully Commissioned
14	M/s GALLANNT ISPAT LTD. GORKHPUR	COAL CKT DESIGNING	Successfully Commissioned
15	M/s DIVINE ALLOYS AND POWER LTD,RANCHI	SMS SHED DESIGNING (50T)	Successfully Commissioned
16	M/s DIVINE ALLOYS AND POWER LTD,RANCHI	ROLLING MILL SHED DESIGNING (3X15T)	Successfully Commissioned
17	M/s DIVINE ALLOYS AND POWER LTD,RANCHI	WATER COMPLEX DESIGNING FOR SMS	Successfully Commissioned
18	M/s QUALITY TIE-UP LTD, RAIPUR	SHED DESIGNING	Successfully Commissioned

PROJECTS EXPERIENCES(REFLECTION)

S.NO.	PROJECT NAME	PLANT CAPACITY/TYPE	STATUS
1	M/s. SARADA ENERGY & MINERALS LTD, RAIPUR	2x500TPD Sponge Iron Plant	Successfully Commissioned
2.	M/s BMM ISPAT LIMITED, HOSPET	2x500TPD Sponge Iron Plant	Successfully Commissioned
3	M/s. GALLANT ISPAT LIMITED, GORAKHPUR.	1x350TPD Sponge Iron Plant	Successfully Commissioned
4	M/s. BRAHMAPUTRA METALLICS LIMITED GOLA (RANCHI)	1x350TPD Sponge Iron Plant	Successfully Commissioned
5	M/s. NIROS ISPAT P.LTD, BHILAI.	1x350TPD, 1x50TPD Sponge Iron Plant	Successfully Commissioned
6	M/s. MSP STEEL & POWER LTD RAIGARH.	1x350TPD Sponge Iron Plant	Successfully Commissioned
7	M/s. B.S.ISPAT LIMITED.CHANDRAPUR, (M.H.)	2x100TPD Sponge Iron Plant	Successfully Commissioned
8	M/s. SUNFLAG IRON & STEEL CO.LTD, BHANDARA (M.H)	1x350TPD Sponge Iron Plant	Successfully Commissioned
9	M/s. MID INDIA ENGG LTD, GUJRAT.	1x350TPD Sponge Iron Plant	Successfully Commissioned
10	M/s. ACTION ISPAT LTD, JARSHUGUDA.	2x350TPD Sponge Iron Plant	Successfully Commissioned
11	M/s. MAITHAN ISPAT LTD, ODHISA.	2x350TPD Sponge Iron Plant	Successfully Commissioned
12	M/s. SHYAMSEL LIMITED, BURDWAN, KOLKATTA.	2x100TPD Sponge Iron Plant	Successfully Commissioned
13	M/s. VASWANI INDUSTRIES LTD, RAIPUR, C.G	1 X 8 MW CAPTIVE	Successfully Commissioned
14	M/s DIVINE ALLOYS & POWER CO LTD,RANCHI	1 X 8 MW CAPTIVE & INDF.(2X15T)	Successfully Commissioned
15	M/s UDAY SPONGE LTD, RAIPUR	2x50TPD Sponge Iron Plant	Successfully Commissioned

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