



Ehdas Omran Sepahan

Industrial Construction Engineering Co. (P.J.S)

Reg. No.: 29840

Ehdas Omran Sepahan Co.

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Tel : +98 31 34598269

Fax : +98 31 34598270

Website Address:

www.ehdasomran.com

E-mail Address:

info@ehdasomran.com

**Ehdas Omran Sepahan Engineering Company
Industrial Constructions Engineering Co.**

(P.J.S)

Reg. No.: 29840

Company Shareholders:

- Eng.MohammadArabshahi, Master of Science, Mechanical Engineering, Over 30year's progressive experience.
- Eng.IrajBastani,Bachelor of Science, Mechanical Engineering, Over 30 year's progressive experience.
- Eng.SiamakArabshahi,Master of Science, Civil Engineering, Over 10year's progressive experience.
- Eng.MansourPourbandari,Bachelor of Science, Welding Technology Engineering, Over 25year's progressive experience.
- Eng.BehzadShahbazi; Bachelor of Science, Welding Technology Engineering,Over 15year's progressive experience.
- Mr.SaeidSajadiShakib; Bachelor of Political Sciences, Over 15year's progressive experience.

Board of Directors Members and Managing Director:

- Eng.MansourPourbandari Managing Director
- Mr.SaeidSajadiShakib Board of Directors Chief

Technical-Engineering Personnel:

- 1- **Eng.MasoudSabzTorghabehi**; technical manager, with Mechanical Engineering degree and over 10year's progressive experience.

Administrative-Financial Personnel:

- 1- **Mr.HamedAlisalehi**; accountant, Bachelor of Science, Industrial Management, with over12 years progressive experience
- 2- **Mrs.Khaatunabadi**; accountant, Master of Science, Industrial Management, with over7 years progressive experience
- 3- **Eng.BehnamSabouri**; administrative responsible, with over10 years progressive experience

« On progress and completed projects »

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1-Direct Reduction (Module F) Project of Mobarakeh Steel

Contractual Commitments:

Performing the piping operation; installing and commissioning the pump station; performance of electrical operation; installing and commissioning over 50 high-voltage panels; steel structure erection and mechanical equipment's; performing the sandblast operation and painting

Started on: 05 June, 2006

Completion and commissioning: 06 August, 2007

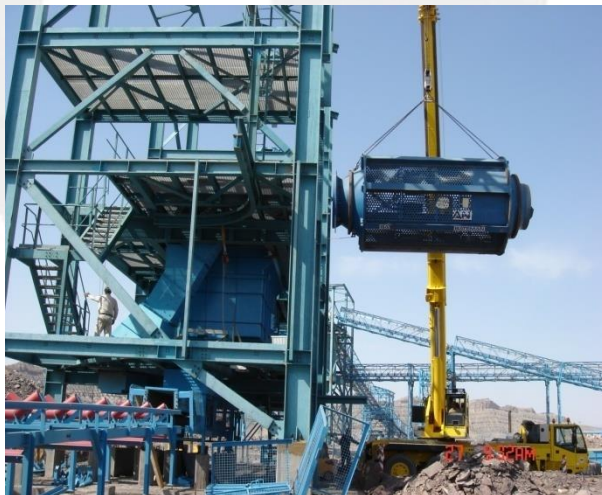
Contract weights: about 3000 tons



2-Installing the mechanical and metal equipment's of Tabas coal-washing factory; including cold and warm launch

From: August, 2006

To: March, 2008



3-Vian Steel Project (Hamedan)

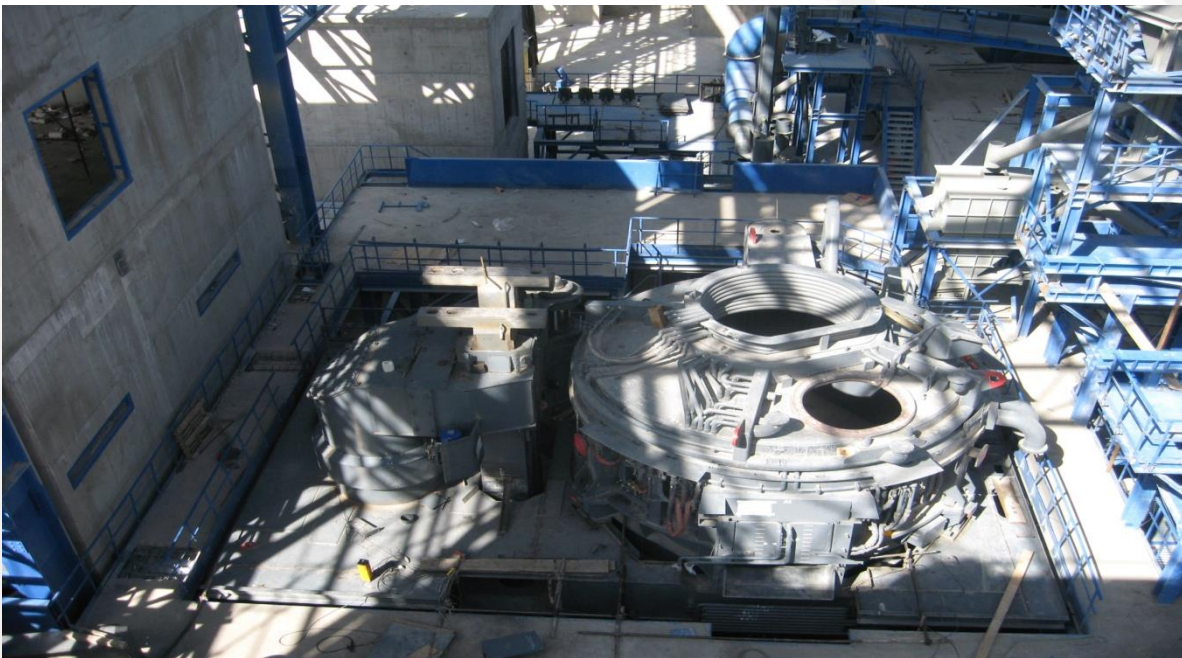
Contractual Commitments:

Installation and commissioning of 2 furnaces; Ferro alloy storage bins; all dedusting equipment's; Oxygen plant; compressor room; electrical equipment's and two crane sets(140 ton)

Started on: 21 April, 2007

Completion and commissioning: 08 February, 2009

Contract Weights: about 3000 tons



4-Transferring operation of Feller Maron III in Ahwaz; including de-montage, transferring to the new site, segment reconstruction and re-installation at the new site and commissioning

From: December, 2006

To: May, 2007

5-Construction and installation of two acidic line Feller sets with AMAK design in 40 and 68 kilometers of Ahwaz- Mahshahr road; construction and installation of platforms; installation of safety valves of acidic lines and commissioning

From: January, 2007

To: May, 2007



5-Direct Reduction Project of Khorasan Steel (Neishaboor)

Contractual Commitments:

- Operation of steel structure installation
- Operation of Module II shaft furnace
- Completion, construction and installation operations of day bins and storage bins of Module I and II

Started on: 16 August, 2007

Completion and Commissioning: 21 December, 2009

Contract Weights: about 2000 tons



6-Arfa Direct Reduction Project (Assembly of Equipments)

Contractual Commitments:

- Performance of assembly operation of process equipment's
- Installation of material handling

Started on: 23 July, 2010

Completion and Commissioning: 2013

Contract Weights: about 3000 tons

7-Arfa Direct Reduction Project (Ardakan)

Contractual Commitments:

Installing the steel structure; performing the Reduction furnace operation; performing reformer box operation; installing all pressured bins and process gases; completion, construction and installation of day bins and storage bins.

Started on: 05 August, 2008

Completion and Commissioning: 22 July, 2010

Contract Weights: about 3500 tons

8-Direct Reduction Project of Ghadir Iranian (Ardakan)

Contractual Commitments:

Installing the steel structure; performing the Reduction furnace operation; performing reformer box operation; installing all pressured bins and process gases; completion, construction and installation of day bins and storage bins.

Started on: 03 April, 2008

Completion and Commissioning: 21 December, 2009

Contract Weights: about 3500 tons



9-Hormozgan Steel Project

Contractual Commitments:

Performance of installation and commissioning operation of 4 furnaces, storage bins, hydraulic rooms and electrical equipment's and piping; installation of 4 high-voltage transformers and installing and starting up two heavy cranes (240 ton)

Started on: 23 October, 2008

Completion and commissioning: 22 September, 2011

Contract Weights: about 7000 tons





10-Direct Reduction Project of Shahid Kharrazi (Mobarakeh Steel Complex)

Contractual Commitments:

- Performing the piping operation and installing the fluid equipment's
- Performing the installation of recuperation ducts

Started on: 03 October, 2011

Completion and commissioning: 2014





11-Foolad Saba Project (Isfahan Steel Mill)

Client:Construction, Development and Management Engineering Company of TUKA Industry (TUKA E.P.C.)

Contractual Commitments:

Pre-assembling of installation, testing and starting up without loads, Alignment the segments related to steel structure and mechanical and hydraulic furnace of Saba direct reduction project.

Started on: 16 April, 2011

Completion and commissioning: 13 November, 2011

12-Foolad Saba Project (Isfahan Steel Mill)

Client:Mobarakeh Steel Co.

Contractual Commitments:

Performing the rest of steel structureinstalling operation and mechanical equipment's of Saba direct reduction project (during three contracts); including installation of steel structure of main pipe rack, steel structure of desulphurization unit, steel structure of material handling including gallery, Trestle and tower.

Started on: 13 November, 2011

Completion and commissioning: 2014



13-Ardakan steel complex (Chadormalu)

Client:Asfalt Tous Co.

Contractual Commitments:

Performance of installation and commissioning operation of 2 furnaces, storage bins, hydraulic rooms and electrical equipment's; material handling; installing and starting up two heavy cranes (280 ton) and Hot charge DRI Plant and reformer ,Pump station and compressors and ...

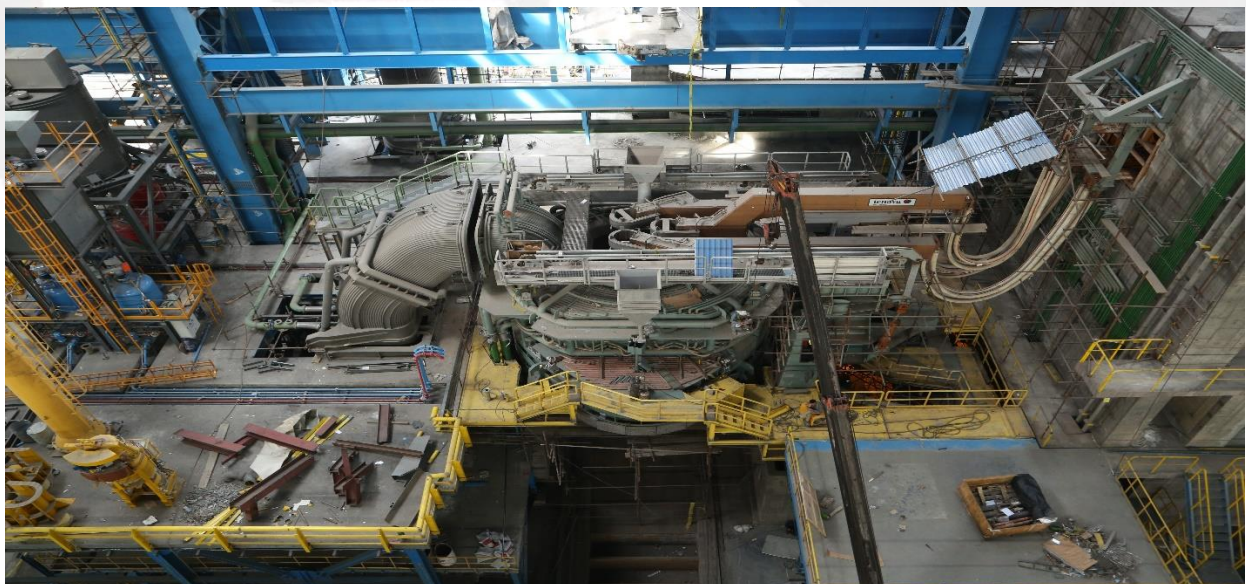
Started on: 2012

Completion and commissioning: On going

Contract Weights: about 20,000 tons



Crane installation from Cranbau







14-Lime production plant

Contractual Commitments:

Performance of installation and commissioning operation of lime furnaces, storage bins and belt conveyors.

Started on: 2015

Completion and commissioning: 2016

Contract Weights: about 300 tons



15- DRI Sirjan (Gol gohar)

Contractual Commitments:

Performance of installation and commissioning operation of DRI furnaces, storage bins and belt conveyors.

Started on: 2014

Completion and commissioning: 2016

Contract Weights: about 2000 tons



16-Khorasan Steel Complex (Expansion project)

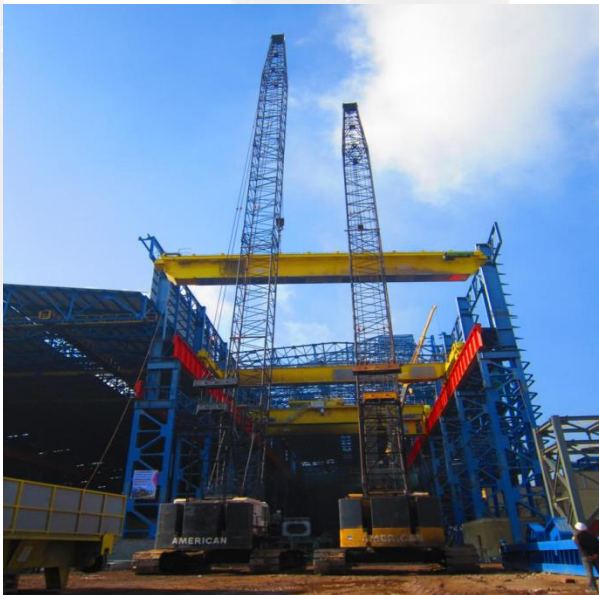
Contractual Commitments:

Performance of installation and commissioning operation of furnaces, storage bins and belt conveyors, hydraulic rooms and electrical equipment's and piping; installing and starting up two heavy cranes (240 ton)

Started on: 23 October, 2014

Completion and commissioning: 2017

Contract Weights: about 5000 tons



17-Sangan Concentrated plant

Client : MANA Co.

Contractual Commitments:

Performance of installation and commissioning operation of Belt feeder, Flotation device, Hydro cyclones, Ball mill, Sag mill, separator And Clarifier and piping works.

Started on: Jan, 2018

Completion and commissioning: on going

Contract Weights: about 5000 tons



پروژه کنسانتره فولاد سنگان - خرداد ۱۳۹۷





18-Sangan Pelletizing Plant

Client :Asfalt Tous Co.

Contractual Commitments:

Performance of installation and commissioning Rotary kiln, travelling grate machine, ESP, Duct, Circular cooler, Fans, Compressor room, Pelletizing balling, and piping works.

Started on: 2015

Completion and commissioning: on going

Contract Weights: about 10,000 tons



19-Foolad Saba Project (Isfahan Steel Mill)

Client: Safa foolad

Contractual Commitments:

Performance of installation and commissioning operation of 2 furnaces, storage bins, hydraulic rooms; fume extraction ducts, preheaters and Material handling.

Started on: 2014

Completion and commissioning: 2015

Contract Weights: about 1000 tons



20- Butia steel complex (Tilting platform)

Client: MANA

Contractual Commitments:

Installation of tilting platform in melt shop

Started on: 2018

Completion and commissioning: 2018

Contract Weights: about 120 tons



21- Golfa crusher and belt conveyors of Sirjan

Client: Asphalt tous

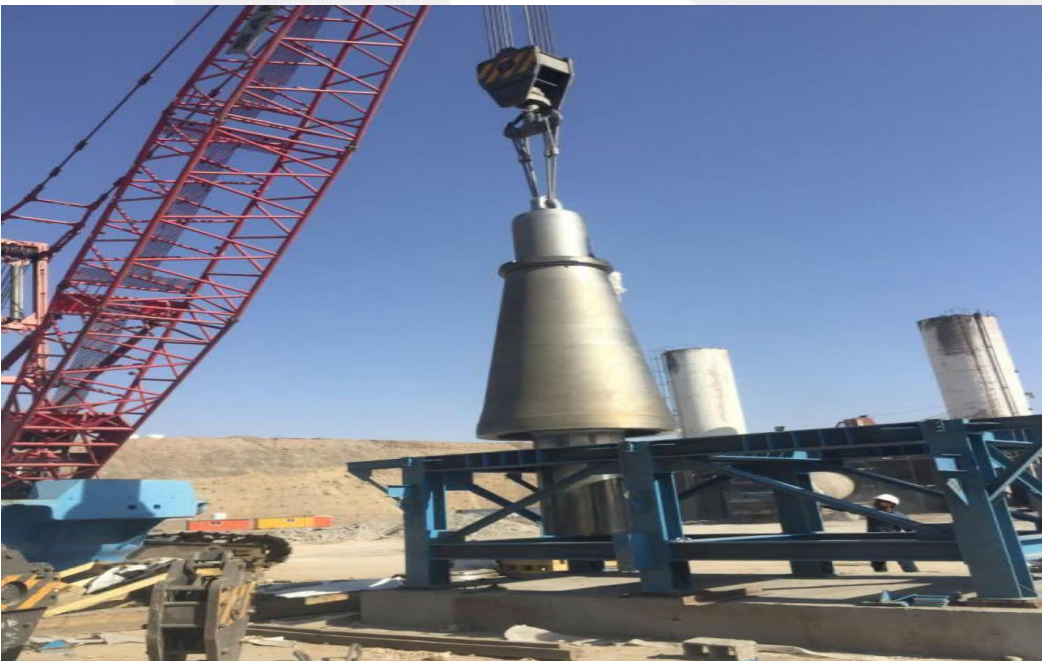
Contractual Commitments:

Installation of mechanical equipment's of Golfa project

Started on: 2019 July

Completion and commissioning: on going

Contract Weights: about 4000 tons



22-Sirjan Concentrated plant

Client : Asphalt tous Co.

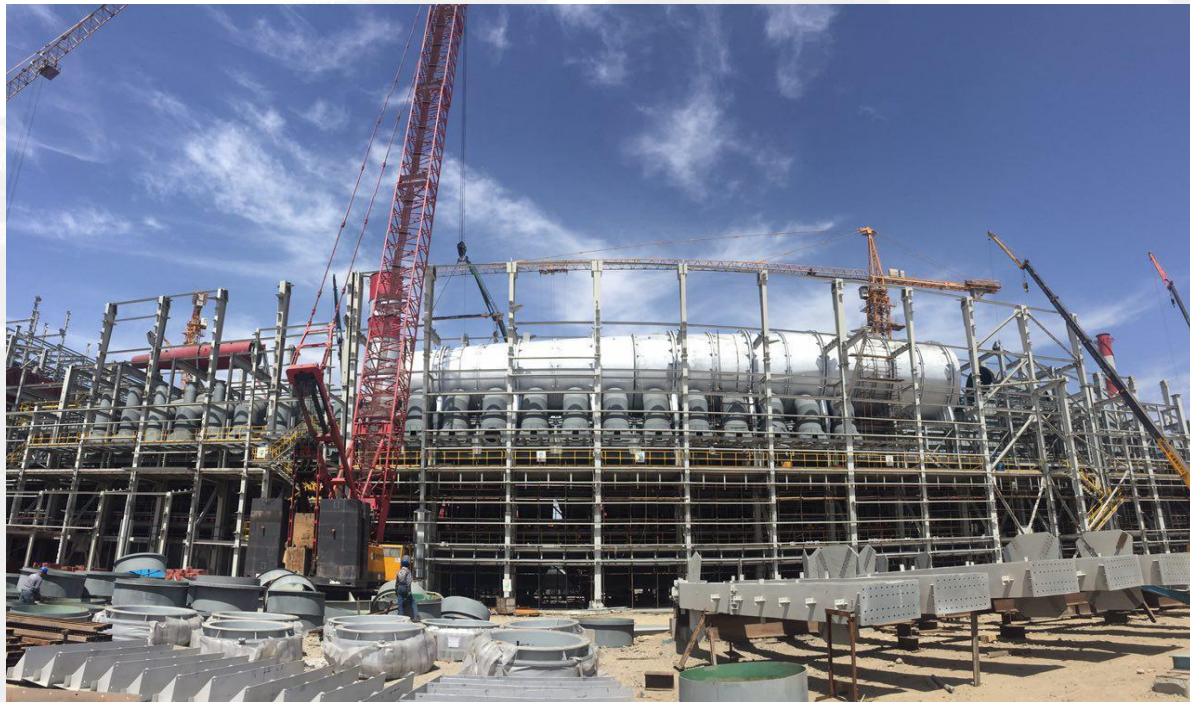
Contractual Commitments:

Performance of installation and commissioning operation of Belt feeder, Flotation device, Hydro cyclones, separator And Clarifier and piping works.

Started on: Dec, 2016

Completion and commissioning: on going

Contract Weights: about 16000 tons and 50000 dia inch



23- Jahan Ara steel complex (Package C2)

Client: Jahan ara steel Complex

Contractual Commitments:

Installation and commissioning of EAF, LF, VD, material handling and scrap yard equipment and piping and electrical and instruments

Started on: 2019

Completion and commissioning: on going

Contract Weights: about 5000 tons



23- Jahan Ara steel complex (Oxygen plant)

Client: Jahan ara steel Complex

Contractual Commitments:

Installation and commissioning of Oxygen plant equipment and piping and electrical and instruments

Started on: 2020

Completion and commissioning: on going





24- Jahan Ara steel complex (Compressed air system)

Client: Jahan ara steel Complex

Contractual Commitments:

Installation and commissioning of compressed air system equipment and piping and electrical and instruments

Started on: 2020

Completion and commissioning: on going



24- Ghaenat steel complex (EAF)

Client: Ghaenat steel Complex

Contractual Commitments:

Installation of EAF equipment about 500 tons.

Started on: 2020 April

Completion and commissioning: 2020 Sep.



24- Sirjan oxygen plant

Client: Mashin sazi vije

Contractual Commitments:

Installation and commissioning of Oxygen plant equipment about 3000 tons.

Started on: 2020 Dec.

Completion and commissioning: on going





Certificates

Date: 2011/08/01

**SMS
SIEMAG**

SMS group

**SMS SIEMAG AG
HOSCO Site Management**

Ehdas Omran Sepahan Company (E.O.S. Co.)

We hereby confirmed that, Ehdas Omran Sepahan Company made a good attempt for erection and cold commissioning of mechanical equipment , piping systems and electrical instruments , that is more than **7000 tons** in Hormozgan - steel complex construction site – IRAN ,**from Oct. 2009 to Sep. 2011.**

This company had a good collaboration in final commissioning and we are fully satisfied with this cooperation.


Dipl.Ing.
Joachim Gottschalk
SMS SIEMAG AG
Technical Service Division
Site Manager Site Erection
Site HOSCO Iran





TAIM-EOS-78218-291016

Khorasan Steel Plant, 30 October 2016

Subject: Recognition of the construction works performed at Khorasan Steel Plant (Iran)

TAIM WESER Engineers, contracted by IRASCO / IRITEC for supervision and commissioning of Teeming and Charging Cranes, have been sharing with Ehdas Omran Sepahan Co. (EOS), subcontracted by IRITEC, several steps of the site installation and commissioning of mentioned EOT Cranes, which are a part of an Expansion Project promoted by Khorasan Steel Plant (Iran).

We are pleased to write that the performance of EOS Company has been extraordinary good during all this time. Its managers and workers have been always close and available to solve any technical need; all works and technical problems have been solved successfully.

We would like to mention specifically Mr. Bastani Iraj (Project Manager), Mr. Shahbazi Behzad (Site Manager) and Mr. Arabshahi Siamak and Mr. Torghabehi Masoud (Technical Office Manager) as the leaders of EOS successful team.

We would recommend this Company for the Construction activities of any kind of EOT Crane. The experience of its staff will guarantee the success of the Project.



TAIM WESER
SOCIEDAD ANÓNIMA
Cr. de Castellón, Km. 6,3 - Polígono La Cartuja
50013 ZARAGOZA - España

Manuel Quintana
Installation Manager
TAIM WESER



Sede central: Ctra. Castellón, Km 6,3 50013 Zaragoza (Spain) Apdo. Correos (P.O. Box) 358 Tel.: +34 976 500 006 Fax: +34 976 500 028
Delegación Madrid: Av. de La Vega 1, ed. 3, pl. 1ª, of. 15 28108 Acobendas-Madrid (Spain) Tel.: +34 914 905 253 Fax: +34 914 840 415
info@taimwesor.com - www.taimwesor.com

SMS INNSE
HOSCO Site Management



Mr. Masud Sabz-e-torghabehi ,

We hereby confirmed that, Masud Sabz-e-torghabehi worked as mechanical engineer was engaged in mechanical erection supervision from March.2009 up to March.2011 in HORMOZGAN-steel complex construction site- IRAN, SMS-INNSE, IRITEC Group and EOS company.

He's responsible for:

- Mechanical equipments erection supervision and handling the following problems such as melting, casting, material handling and so on.
- Providing erection protocols through the standards and specifications.
- Preparing extra work forms and claim for them to get the real rights.
- Schedule future work with time schedule program for better efficiency.
- Manage the subcontractor and workers activities based on available front works.
- Doing Invoices, provide balance material, prepare final book for erected equipments.
- Good communication and decisive manner in critical situation and highly motivated.
- Noticeable team work as well as leader ship.

We are fully satisfied by his cooperation.


Ferla Giorgio
SMS INNSE S.p.A.
Iran Branch Office
SMS INNSE
HOSCO Project
Project Manager Site Erection
Site HOSCO Iran

Date : 04 Dec 2011

**SMS
SIEMAG**

SMS group

**SMS SIEMAG AG
HOSCO Site Management**

Mr. Sabz-e-torghabehi Masud,

We hereby confirmed that, Mr. Sabz-e-torghabehi Masud worked as mechanical engineer was engaged in mechanical erection supervision from March.2009 up to Jan.2012 in HORMOZGAN - steel complex construction site - IRAN, SMS-SIEMAG, IRITEC Group and EOS company.

He's responsible for:

- Mechanical equipments erection supervision and handling the following problems such as Melting, Casting, Material handling, Dedusting and so on.
- Providing erection protocols through the standards and specifications.
- Preparing extra work forms and claim for them to get the real rights.
- Schedule future work with Microsoft project program for better efficiency.
- Manage the subcontractor and workers activities based on available front works.
- Doing Invoices, provide balance material, prepare final book for erected equipments.
- Good communication and decisive manner in critical situation and highly motivated.
- Noticeable team work as well as leader ship.

We are fully satisfied by his cooperation.

Dipl.Ing.
Joachim Gottschalk
SMS SIEMAG AG
Technical Service Division
Site Manager Site Erection
Site HOSCO Iran



Date : 22 May 2012

**AERZENER
MASCHINEN FABRIK GmbH
MSC SABA Site Management**



Mr. Sabz-e-torghabehi Masud,

We hereby confirmed that, Mr. Sabz-e-torghabehi Masud worked as mechanical engineer was engaged in mechanical erection supervision from Jan.2012 up to June.2012 in MOBARAKE - Steel Complex construction site (SABA DRI PLANT) - IRAN, AERZEN, MMTE and EOS company.

He's responsible for:

- Mechanical equipments erection supervision and handling the following problems such as cooling gas compressor ,process compressors(5set) & seal gas compressor.
- Alignment supervision for compressors precisely.(Less than 0.05 mm)
- Providing erection protocols through the standards and specifications.
- Preparing extra work forms and claim for them to get the real rights.
- Schedule future work with Microsoft project program for better efficiency.
- Manage the subcontractor and workers activities based on available front works.
- Doing Invoices, provide balance material, prepare final book for erected equipments.
- Good communication and decisive manner in critical situation and highly motivated.
- Noticeable team work as well as leader ship.

We are fully satisfied by his cooperation.

Service Technician

Ingo Wallat

AERZEN

After sale division

Site Manager Site Erection

Site MSC SABA Iran



Date : 20 Oct. 2014

**SMS
CONCAST**

SMS group

SMS CONCAST
SMS group
ARDAKAN CSMP

Mr. Sabz-e-torghabehi Masud,

We hereby confirmed that, Mr. Sabz-e-torghabehi Masud worked as mechanical engineer was engaged in mechanical erection supervision from March.2013 up to Sep.2014 in ARDAKAN CHADORMALU Steel making plant (CSMP) - IRAN, SMS CONCAST, Tenova, PAMIDCO and ASFALT TOUS Company.

He's responsible for:

- Mechanical equipments erection supervision and handling the following problems.
- Alignment supervision for Continues casting machine equipment.(Less than 0.5mm)
- Providing erection protocols through the standards and specifications.
- Preparing extra work forms and claim for them to get the real rights.
- Schedule future work with Microsoft project program for better efficiency.
- Manage the subcontractor and workers activities based on available front works.
- Doing Invoices, provide balance material, prepare final book for erected equipments.
- Good communication and decisive manner in critical situation and highly motivated.
- Noticeable team work as well as leader ship.

We are fully satisfied by his cooperation.



Priyabrata Bhadra
SMS CONCAST
Site Manager Site Erection
CSMP ARDAKAN IRAN

Date : 11 Oct. 2014



TENOVA S.p.A
MELT SHOPS
ARDAKAN CSMP

Mr. Sabz-e-torghabehi Masud,

We hereby confirmed that, Mr. Sabz-e-torghabehi Masud worked as mechanical engineer was engaged in mechanical erection supervision from March.2013 up to Sep.2014 in ARDAKAN CHADORMALU Steel making plant (CSMP) - IRAN, Tenova, SMS CONCAST, PAMIDCO and ASFALT TOUS Company.

He's responsible for:

- Mechanical equipments erection supervision and handling the following problems such as EAF, LF and auxiliary equipment.
- Alignment supervision for Melting plant equipment.
- Providing erection protocols through the standards and specifications.
- Preparing extra work forms and claim for them to get the real rights.
- Schedule future work with Microsoft project program for better efficiency.
- Manage the subcontractor and workers activities based on available front works.
- Doing Invoices, provide balance material, prepare final book for erected equipments.
- Good communication and decisive manner in critical situation and highly motivated.
- Noticeable team work as well as leader ship.

We are fully satisfied by his cooperation.

DANIELE ZATTI

TENOVA S.p.A

Site Manager Site Erection

CSMP ARDAKAN IRAN

A handwritten signature in blue ink, appearing to read "Zatti D L G", is written over the printed name and title of Daniele Zatti.

Date : 05 Oct. 2016



TENOVA S.p.A
MELT SHOPS
Khorasan steel company (KSC)

Mr. Sabz-e-torghabehi Masud,

We hereby confirmed that, Mr. Sabz-e-torghabehi Masud worked as mechanical engineer was engaged in mechanical erection supervision from Oct.2014 up to May.2016 in Khorasan steel company - Neyshabur - IRAN, Tenova, IRITEC and EOS Company.

He's responsible for:

- Mechanical equipments erection supervision and handling the following problems such as EAF, LF and auxiliary equipment.
- Alignment supervision for Melting plant equipment.
- Providing erection protocols through the standards and specifications.
- Preparing extra work forms and claim for them to get the real rights.
- Schedule future work with Microsoft project program for better efficiency.
- Manage the subcontractor and workers activities based on available front works.
- Doing Invoices, provide balance material, prepare final book for erected equipments.
- Good communication and decisive manner in critical situation and highly motivated.
- Noticeable team work as well as leader ship.

We are fully satisfied by his cooperation.

DANIELE ZATTI
TENOVA S.p.A
Site Manager Site Erection
KSC Khorasan IRAN

A handwritten signature in purple ink, appearing to read "D. Zatti", is written over the printed name and title.

Certificate

Mechanical Kiln Symposium
Tehran 21 - 22 April 2018

Mr. Masud Sabz Torghabehi, Ehdas Omran e Sepahan has participated in lectures given by FLSmidth, covering following topics:

Main Components of a rotary kilns including:

- Base Plates
- Bearings
- Supporting rollers
- Tyres
- Supporting blocks and side guides
- Kiln Shell
- Thrust Device
- Girth Gear

Maintenance aspects for rotary kilns including:

- The 4 root causes
- Maintenance of 3 support kilns (Kiln Axis, Ovality, Kiln Crank and axial balance of the kiln)
- Design and maintenance of Rotax 2 kilns



22 April 2018. On behalf of FLSmidth:

Saeed Mortazavi
Saeed Mortazavi

Ole Moeller
Ole Moeller

One Source

FLSMIDTH



Page 1 of 1	Attach.: No	Letter No.:	Date: [11/15/2020]
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To: EOS
Subject: Recognition of the construction works performed by EOS company at AJS steel making plant

SARRALLE EQUIPOS as engineering, procurement and construction provider company, contracted by AJS/SRT for supervision and commissioning of steel making plant have been sharing with Ehdas Omran Sepahan Co (EOS), several steps of the site installation and commissioning of mentioned steel making plant.

We, as all the team beginning from my point of view as Site manager of SARALLE EQUIPOS, are pleased to announce that the performance of EOS Company has been extraordinarily good during all this time. Its managers and workers have been always close and available to solve any technical need; all works and technical problems have been solved successfully.

We would like to mention specially Mr. Shahbazi Behzad (Project Manager), Mr. Arabshahi Siamak (Site Manager) and Mr. Torghabeh Masoud (Technical Office Manager) as the leaders of EOS successful team.

We would recommend this Company for the Construction activities of any steel making plant. The experience of its staff will guarantee the success of the project.

Best Regards,

Waldo Gondar

Site Erection & Commissioning Department