



Moshabak Poosh Sazeh Vatan Co.



1. Intorduction

1.1 Preamble

Mosahbak Poosh Sazeh Vatan Company with the brand name MAPSO started its activities in 2008 in the field of construction and manufacturing of heavy and light metal gratings and metal lighting stands as well as similar equipments used in industrial projects especially in those relevant to installations and equipment buildings (Oil and Gas Pipelines, Equipment and Facilities of Oil and Gas industries, Electrical, Mechanical, and Hydro mechanical installations, Pumping and Extraction stations) in central city of Esfahan- Iran in year 2008. The Company MAPSO has been registered by Iranian National Notary office of Property and Document Registration with the ID number "10260645983" in year 2012.



As a matter of fact MAPSO is an business enterprise that relies on Iranian Know-How and State-Of-The-Art technology in the field of construction and development of oil, gas, petrochemicals, steel manufacturing, construction, mining, power generation and installations, railroad industries, wire industry, pipelines, and road development industries by providing comprehensive solutions to the clients. The company has always endeavored to improve the quality of the projects and to win the clients' satisfaction by relying on the know-how of its human resources and by bringing and utilizing state-of-the-art technology. This has helped us to accomplish a substantial growth in different fields of activities that we have been engaged in.

Basically the potential and practical abilities of the company MAPSO have been designed to operate in mining, oil and gas, steel manufacturing and small and large power generation plants with considerations to the fundamental and infrastructural administrations and plannings of a Developing Country. A group of professionally outstanding personnel, with required capabilities to manage and

direct the projects based on orderly regulations with regards to the general rules of the improvement of a private enterprise that is operating in the fields of oil and gas and energy, are working consistently with growing endeavor to plan and perform to accomplish the goals of the company in accordance with the national and international standards of the large enterprises in the same operation field.

Moreover It is important to mention that the company has relied on its hardware and software capabilities to operate on variety of grounds such as procurement and producing of electrical stands, installations, steel structures relevant to lighting and traffic equipment and facilities.

Knowing that MAPSO has enjoyed the contribution of its engineering experienced staff to bring together a great operation potentials for fulfilling its future goals and to provide service to the country, we hope to contribute to the bright and fruitful future of our country by utilizing our facilities and expertise to endeavor to efficiently execute the plans of country's administrative organizations outlines. Bearing the fact in mind that the abilities of any company are shown when put in practice and while it is operating the assigned projects we invite people and our clients to examine our competency while we are engaged in our future projects. Meanwhile we draw your kind attention to a summary of background activities, experiences and specifications of MAPSO.



1.2 Company's Overall Specifications

MAPSO's field of activity is producing metal Grating, traffic and lighting stands and other similar products, executing industrial and constructional operations as well as installations and equipment operations, taking part in private and governmental tenders and auctions, granting representative agreements with private and governmental companies and institutes as well as making contract with organizations and people, Procurement, sales, import, and exports of any material and equipment relevant to our field of activity.

Number and Place or Registration: 42526- Esfahan

Date of Registration: Feb, 26/2012

Chairman: Mr. Mohammad Reza Kazemi

CEO (and member of board of directors): Mr. Amir Talaee

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2. Quality Control (QC) and Guarantee

2.1 Quality Control

With regards to standard regulations in production lines and by coordination with our clients' instructions and performance regulations, MAPSO has gathered a group of QC experts with years of experience that include two QC professionals and a supervisor. We need to mention that all criteria and standards used in examination of the quality control of our products are the most recent ones and the facilities and equipment used for that purpose are certified with the calibration licenses. Our QC team has compiled a booklet for controlling quality of the products which includes the following:

- a. A plan for controlling and inspection production
- b. A plan for inspection during production (factory production control)
- c. A comprehensive list of equipment and facilities utilized in testing production materials
- d. A calibration schedule
- e. A plan for inspection and control of the final products

It is important to mention that in MAPSO's previously finalized projects the quality of parts and the galvanization of the productions have been confirmed by the QC departments of our well known Iranian clients such as "MAPNA", "Tekinco", "Hormozgan Steel Company", "Razi center of metallurgy researches", "Kavoshgar Madan", and "Mobarakeh steel Company" and they approved that our products meet the internationally accepted standards. According to the contracts that we made with our clients all our products include guarantee period between 2 and 6 months.

2.2 ISO

In addition to previously mentioned, considering the working conditions of our factory and a need for audit in the production processes, quality of the products, our services and all relevant operations, MAPSO has managed to grant ISO 9001 in 2015. Therefor all our current activities are and can be documented in accordance with this international standard.

2.3 Standards

MAPSO products are manufactured under the following standard systems:

- a. *IRSI (Iranian National Standard)*
- b. *DIN-24531*
- c. *ASTM-A123*
- d. *MBG 531*
- e. *DIN 24537*
- f. *ISO9013E*

3. Facilities and Equipment

Due to our outstanding relations with our supplying sources of material and factories that provide galvanization services, we have been able to supply products and provide solutions to our clients in the fastest time and great quality products. Moreover our quality products' have been confirmed by our quality control departments of our clients and by the reliable and well known laboratories. This constant verification is strong evidence that MAPSO, in terms of duty assignment and production line is up to date and enjoys experienced personnel and adequate expertise. In terms of production assurance we are happy to say that all our products are supplied with a guarantee and warrantee system and our loyal customers are quite satisfied with that.



Please note to a list of our machinery and equipment:

<i>Type</i>	<i>Quantity</i>	<i>Production Date</i>	<i>Capacity</i>	<i>Description</i>
<i>Strap Straightening Machine</i>	<i>1</i>	<i>2013</i>		<i>Planned and Manufactured By MAPSO</i>
<i>Roll Opener Machine</i>	<i>1</i>	<i>2013</i>		<i>Planned and Manufactured By MAPSO</i>
<i>Welding Rectifier</i>	<i>10</i>	<i>2013</i>		
<i>CO2 Welding Machine</i>	<i>10</i>	<i>2015</i>		
<i>Plasma Cutting Machine</i>	<i>1</i>	<i>2011</i>		
<i>Four Sided Wire Traction and Production Machine</i>	<i>1</i>	<i>2011</i>		<i>Planned and Manufactured By MAPSO</i>
<i>Crane</i>	<i>2</i>	<i>2015</i>	<i>10 Tons</i>	
<i>Metal Engraving Machine</i>	<i>1</i>	<i>2013</i>		
<i>Pillar Drill</i>	<i>1</i>	<i>2014</i>		
<i>Guillotine</i> (2 meters Width - 5 mm Thickness)	<i>1</i>	<i>2013</i>		
<i>Guillotine</i> (2 meters Width - 6 mm Thickness)	<i>1</i>	<i>2012</i>		<i>2 Meters width- Hitting for straightening straps and opening and cutting strap rolls</i>
<i>Guillotine</i> (2.5 meters Width - 6 mm Thickness)		<i>2012</i>		<i>2.5 Meters width- Hitting for straightening straps and opening and cutting strap rolls</i>
<i>Pressing Machine</i> <i>35 Tons</i>	<i>1</i>	<i>2012</i>		
<i>Pressing Machine</i> <i>40 Tons</i>	<i>1</i>	<i>2012</i>		
<i>Pressing Machine</i> <i>50 Tons</i>	<i>1</i>	<i>2012</i>		
<i>Table Mounted Sawing Machine</i>	<i>1</i>	<i>2013</i>		<i>Planned and Manufactured By MAPSO</i>
<i>Fire Sawing Machine</i>	<i>1</i>	<i>2013</i>		

4. Procurement for Well-Known Corporations

Based on our thoughtful strategy for business, we have aimed to operate as a Production-Business enterprise to work in compliance with the standards of the well-known corporations as a reliable supplier in the way that MAPSO is considered as a fast moving and compatible source by them. In order to reach that goal we have officially cooperating with the famous corporations such as National Iranian Oil Engineering Company (NIOC), National Petrochemical Companies (NPC), Manufacturing Support and Procurement Kala Naft Tehran, National Iranian Gas Company (NIGC), National Iranian South Oilfields Company (NISOC), Khorasan Steel Company, and many others. At the moment we are at the final stages to be entered into their Vendor Lists. Our accomplishments up to the moment though is that MAPSO is officially one of the suppliers of the following important giant companies: Iranian Offshore Oil Company with registration code "9199", Khoozestan Steel Company with the code "41554", Petrochemical Industries Development Management Company (PIDMCO), Sepahan Cement Company, Firoozkooh Cement Company, Ekbatan Gas Control Company, and Mobarakeh steel Company. Also our company is proud to be evaluated and registered as the supplier of one of the biggest conglomerate companies the famous MAPNA (Iran Power Plant Projects Company) group. Our company has also been confirmed by Ilam Petrochemical Company as the official supplier of the metal Gratings.

To name some of most important confirmations received by MAPSO, companies like National Iranian Oil Engineering Company (NIOEC), Booshehr Petrochemical Factory, MAPNA, South Kaveh Steel Co. (SKS), Shiraz Petrochemical Development Co., West Oil and Gas Co., Azarbaijani Machine Manufacturing Company, Jahankar Esfahan Co., Yekta Andish Sazeh, and Bistoon Shokooh Parseh are of great importance.

5. Background

MAPSO has successfully finalized many projects and yet many others are currently in hand. Our main focus has been in providing comprehensive solutions to our clients in the areas of oil, gas, petrochemicals, steel industry, constructions, mining, power, railroad development, metal wiring, pipelines and road development.

Our main Clients are as following: South Hormozgan Steel Company, South Kaveh Steel Company, Esfahan Refinery, Pardis Petrochemical Company, Booshehr Petrochemical Company, Sepahan Cement Company, Shiraz Petrochemical Company, Lavaan Refinery, Safa Foolad Company to name a few.

MAPSO's noticeable background includes:

Production of parts for phase 12 south pars gas development - 2013

Production of parts for GSP project of Booshehr Petrochemical Plant – 2015

Inspection and Production of parts for TASHA machine manufacturing company from 2011 up to now

Production of parts for TEIF company from 2011 up to now

Production of parts for Chadormaloo Plant – 2015

Production of parts according to the clients special orders for Hormozgan Steel Company and South Kaveh Steel Company from 2014 up to now

And many other Oil related as well as non-oil related projects as following:

A number of most important projects and contracts in the past six years include:

No.	Date	Client	Description of contract	Weight/Quantity
1	Oct 12 th 2010	OIEC	Grating and Clamp	3804 Kg – 350 Units
2	May 21 st 2011	OIEC	Grating and Clamp	9500 Kg – 1000 Units
3	2011	West Oil and Gas Co.	Beams Studs, Steel Sheet, and Grating	9555 Kg
4	May 24 th 2012	OIEC	Grating and Clamp	4210 Kg – 500 Units
5	Dec 30 th 2013	Esfahan Oil Refinery	Grating	1630 Kg
6	Sep 16 th 2014	Esfahan Oil Refinery	Grating	460 Kg
7	2013	Fateh Sanat Kimia Co.	Grating	16500 Kg
8	2104 – 2015	Shiraz Petrochemical Company	Grating	13740 Kg
9	2013	Esfahan Petro Sanat	Grating	13000 Kg
10	2013	Iran General Contract Co.	Grating	141580 Kg
11	2013 – 2016	Yekta Andish Sazeh Co.	Grating	169498 Kg
12	2012 – 2016	TASHA Machine Manufacturing	Grating	477589 Kg
13	2011 – 2015	Machine Manufacturing	Grating	153970
14	2016	Azarbaijani Co.	Grating	7000 Kg
15	2013 – 2016	Bistoon Shokooh Parseh	Grating	972 Units
16	2014 – 2016	Hormozgan Steel Company	Grating	61432 Kg
17	2013 – 2016	Safa Foolad Co.	Grating	17170 Kg
18	2012 – 2013	Sepahan Cement Co.	Grating	18026 Kg
19	2016	Bamdad Zenderood Co.	Grating and Clamp	180000 Kg
20	April-June 2017	Tasha Machine Manufacturing	Grating and Clamp	35000 Kg
21	June-July 2017	Sabz Ashian Co.	Grating and Clamp	40000 Kg
22	Aug 2017	Bamdad Zenderood	Grating and Clamp	40000 Kg

6. Research and Development

By consideration to the field of activity of MAPSO and in order to improve efficiency of our work in various aspects, we have established an R&D department that includes experts in planning, workshop management, human resources management, and administrative personnel who constantly study, research, and evaluate various grounds. For this purpose MAPSO has allocated a certain percentage of its annual budget to the R&D and the outcome of such research activities has led us to develop a semi-automatic production line and developments in other aspect of production as well.

The R&D team has conducted some researches about an automatic electro forge production line with the intention to equip the factory with electro forge machinery, however we found out that the current automatic electro forge machines consume lots of electrical energy. Therefore our R&D has been studying the manufacturing of an electricity efficient automatic electro forge machine. They have been meeting several electrical engineering professionals in that regards and are cooperating to get the benefit from the consultation of the experts according to our strategies and goals.

At the moment with consideration to our need for a galvanization process at the factory and the fact that we need to set up a galvanization line to complete our manufacturing processes, R&D team has been contacting and asking the consultation of well-known French, German, and Italian (SIRIO) manufacturers. Also they have been studying relevant popular journals and articles.

In order to improve time and cost efficiency at our factory and to decrease the sparing of the production materials our R&D department has conducted scientific activities in time and duty evaluation as well as factory layout. The result of such activities has led us to order the manufacturing of a simultaneous coil opener and strap cutting machine for different sizes with PLC controlling system. The machine is under production and 90 percent of that has been completed.

In order to improve our scientific abilities and to work effectively in the current competitive market, MAPSO has benefitted the consultation of professionals and has joined scientific and engineering communities like British Galvanizers Association and the famous "Hot Dip Galvanizing Magazine" as well as "Negahe Kavir Magazine" which have given us insight and improved our scientific capacities and provided us up to date information.

7. Future Plans

We aim to set up the phase 2 of our factory in order to complete our production processes by galvanizing the produced parts. For that reason we have been consulting with international institutions to equip our factory with a high tech and modern galvanization line.

We also aim to develop our factory so that we will be able to manufacture light and heavy industrial installations. We are planning to establish an international and regional industrial planning team to provide solutions and plans and contribution for putting the plans in actions.

Finally we aim to establish our business center for storing and sales of iron products in our region and country.