



National Steel Industry CO. LTD

Introduction

Our company, the National Steel Industry Company Ltd NAST, has contributed since more than 40 years and still contributing to the national economy of Jordan. Its plants produce and supply the market with reinforcing steel, which is produced according to the international specifications.(NAST) was a pioneer and a forerunner in introducing the reinforcing steel industry with high technology and international specifications.(NAST) continues so throughout this period and in introducing every thing new, modern and developing – whether in so far as the production techniques, types, developed specifications and surveillance and control systems quality and quality control, administration and marketing systems, a matter which enabled us to integrate our long experience with modernization and development thereby made us occupy a distinctive position and proven reputation.

National Steel Industry Company

- (NSI/NAST) is a public shareholding company registered with the Ministry of Industry & Trade under No. 125 on 9/1/1979.
- The subscribed and fully paid up capital of the company is four million shares of a nominal value of one dinar per share.
- Actual date of start of production 1st march 1982.
- Production of round steel for the period form 1982- 2017
About two million tons.
- Obtained the certificate of conformity with quality management system (ISO 9001).

NSI shares are traded in the first market of Amman stock exchange market.



- Company s address:

Telephone.

(5) 3652802, AL-Zarqa, plant

(5) 3653303, AL-Zarqa, plant

Fax

(5) 3653903 AL-Zarqa, plant

P.O. Box : 2059 AL-Zarqa 13110, Jordan

nationalsteel1979@gmail.com

Info@National-Steel.Com

Www.National-Steel.Com

Some of the projects provided with reinforcing steel by (NSI/NAST).

- Magnesium oxide plant project, Ghour al-Safi
- Bromine plant project, Ghour al-Safi
- Aqaba thermal power station project.
- Naqab road project, Aqaba
- Wadi al-Yutm road project, Aqaba.
- Prince Hamza hospital project
- Movenpick hotel project Dead Sea
- Seventh circle tunnel project
- Fifth circle tunnel project
- Customs tunnel project
- Airport road tunnel project
- Gas station project, Abu Alanda
- Jordan hospital project
- Emergency police building project
- Royal court expansion project
- Madaba purification station expansion project.
- Castle hotel / Aqaba
- Parking project / swefiah
- Al Samra water treatment project / The Morganti Croup
- Restructuring and rehabilitation Amman water networks
- (Morganti)
- The ABES hotel Project
- The Jordanian cement Corporation /AL GANEM TRADING & CONTRACTING
- The Modern American School / Issa Haddadin &Part. Construction Co.
- Queen Alia international airport / JV- J&P (O) Ltd./ J&P – AVAXS.A
- Jarash water treatment station / EL CONCORDE CONSTRUCTION Ltd
- Amman Development Corridor / COPRI CONSTRUCTION ENTERPRISES EST
- Hussein Al Hussein Housing Co.



- Zarqa Mall (Eissa Haddadin).
- Arabic Contracting Co.
- Wide Group of high-profile rebar group traders

Product services and advantages provided by the company to its customers and clients:

- 1- Reinforcement steel (catchpenny /slipshod/deformed and plain) at an existing capacity of 80000 annually.
- 2- Produced diameters are from 10mm- 45 mm
- 3- length 4m – 12m.

Technical specifications

The reinforcement steel of grades 300, 420 are produced upon request according to Jordanian standard specification no. 441/2002 and American Specification No ASTM A 615M – 2006a, and British standard no 4449:2005.

The applications are fully complied with in so far as the yield stress, nominal and actual diameters, nominal gravity, lengthy and breadth sides, chemical and mechanical characteristics, (yield stress, tensile strength, percentage elongation and bending resistance) variation in the diameter and length of bar, weight of linear meter and requirements of deformed shape.

The physical specification of the steel produced is controlled and managed in order to meet any standard that's ordered by our client by using the most developed systems in the world (using quenching system).

Financial and Control Regulations and Instructions.

- 1- The company is subject to the laws and regulations of the Stock Exchange Commission (disclosure, listing and other instructions).
- 2- The company is subject to the laws, regulations and instructions of the Companies Law.
- 3- The Company has a financial regulation, which is approved by the Companies Controllershship and show the sequence of all financial operations.



- 4- The Company has a full-time internal Auditor who reports directly to the Company's Board of Directors.
- 5- The company has an External Auditor who is elected by the General Assembly.

Administrative Regulations and Instructions:

The Company has more than one administrative regulation that govern all the inputs and outputs of the administrative process including, for example:

1- Company Organizational Structure

(NSI / NAST) has a complete and integrated organization structure for all functions of company departments, sections and units, The administrative organization of the organization structure shows the basic functions of every department, a job title, code, direct superior, subordinates, object of the job, required, educational level, experience, skills, languages required period and nature of training prior to commencement of work, locations and circumstances of work, salary and grade of job, other advantages, potential promotions , promotion requirements together with complete details of the functions duties and internal and external job relations .

2- Personnel Regulation

It is regulation that governs and organizes all issues pertaining to employees in so far as appointment, duties, obligations, categories scale, salaries, evolution promotion, increments, bonuses, attendance, leaves, travel, training scholarships, medical treatment, termination of services and the like.

Company's Board Directors

The Board of Directors of the Company consists of five members elected by the Company's General Assembly (shareholders) for a four years' term. Sub-committees emerge from company's board of directors such as the procurement and tender's committee, auditing committee and human resources committee.



Quality Control

The Company follows a clear and strict policy in the quality control procedures and surveillance thereof:

First: The Company's organizational structure comprises a section for quality control, which is attached to the plant Department with the following functions:

- Supervise the preparation and development of the quality policy, systems and programs as well as endeavor to implement same subsequent to approval thereof in a manner, which would ensure conformity of the purchased raw materials with the required specifications.
- Ascertain the quality of the production operations and products quality during the manufacturing thereof in realization of the wishes and requirements of customers.
- Prepare and follow up the implementation of instructions relating to the plans and methods of the standard inspection methods.
- Supervise the quality control activities and ensure the taking and examining of the required samples and raw materials, materials under manufacturing as well as ready items at the specified inspection points and ascertain their conformity with the required specifications.

- Supervise the determination and isolation of none conforming materials and products as well as report same to the concerned official.

Second: Existence of a set of procedures and full, accurate, applied and followed up standard methods which aim, in general, to apply the quality control policy formulated by the company as one of its most important objects. The standard procedures and methods are summarized as follows:



1- Inspection and Test (QSP 05) Procedure:

Its aims at carrying out examination and inspection operations to ensure that the produced materials conform with the required specifications through the following steps:

- a- Carry out product quality testing operations by determining the test point locations, quality specifications, and stages of sample – taking and size of sample.
- b- In the event of none conformity of any sample during any testing stage, all such stage shall be subjected to 100% tests in order to determine the conforming quantity.
- c- The none conforming quantities shall be isolated and numbered.
- d- The result of the examination shall be filled out in a form provided for every production shift.
- e- The reasons of failure of any none conforming quantity shall be studied and determined.
- f- All the above information shall be recorded in special registers.

2- Method of Standard Inspection of Cylinders and Steel Bars (SIP 01):

The method aims at explaining the requirements of the standard inspection requirements in order to apply same on the production of steel bars under this method within the responsibility of the Quality Section in the plant where under this method, explanation and outlining of all standard measurements are made in so far as the measurements of dimensions and permitted variations, yield stress, tensile strength and elongation percentage. The laboratory tests on the ready steel shall be conducted in more than one approved laboratory for the purposes of double assurance and conformity Consignment.

Also, the sequence of production operations relating to the manufacturing of steel bars, points and elements of inspection thereof, sequence of operations relating to replacing the cylinders, points and elements of inspection thereof, tables relating to quality and parties responsible for the examination, repetition of examination, volume of sample and the summary.

Noting that the quality characteristics are updated in conformity with the local and international standards specifications.



3- Materials Storage Control (QSP 12) Procedure

It organizes and clarifies the mechanism of receiving the raw materials so as to obtain before receiving any purchased goods, the testing Mill Certificate thereto (nothing that upon requesting the purchase of raw materials it shall be stipulated to the suppliers that it should conform with the approved pig iron specifications and the steel produced there form should realize the pre-requisites of the local and international reinforced steel specifications) and test goods to inspect any damage, make outside laboratory tests in order to compare the results with the incoming Mill Certificate for the goods as well as the raw material specifications approved by the Company In the event of none conformity therewith , these goods shall be rejected, isolated and follow up made with the supplier in respect thereof. Normally, an arbitrary sample of the raw materials is tested and when there is any difference in the results of the test from the required and approved specifications, tests shall be made to other samples of up to 100% of the number incoming raw material heat number The raw materials shall be stored in its warehouses under and adopted mechanism in the company which summarized in isolating every purchased quantity separately and put up for production under and agreed upon arrangement between the Warehouses Section , Quality Production and Accounting .

4- Control of IMT Equipment (QSP 09) Procedure

According to this measure, a periodical calibration is carried out With approved parties for the steel testing and measurement tools used in the plant.

5- Handling Customer Complaints (QSP 11) Procedure.

The client's complaints are to be received in the event of its existence, registration, making outside confirmation tests and follow up all other actions such as have recourse towards the supplier and the like.

This is in addition to other set of measures and standard methods, which have direct and indirect relation with the quality control process.



Thirdly: the steel is tested immediately to insure the quality of the product and more tests are conducted in more than one approved laboratory for the purposes of double assurance and conformity.

Fourth:

There is also originally a set of measures work methods and adopted internal administrative and technical instructions which guarantee the quality in its optimum form and are summarized as follows:

- 1- Dealing shall be made with approved raw material suppliers who enjoy good reputation in the international market and with long periods of dealing there with.
- 2- The laboratory tests on the billets and ready steel shall be conducted in more than one approved laboratory for the purposes of double assurance and conformity.
- 3- The Specifications & Standards Institution shall make spot tests on the produced steel to ascertain the extent of its conformity with the required specifications. Thanks to Allah all tests were always distinctive to our Company.
- 4- The Company shall, through the special lathe, brand and write on the produced steel in conformity with the Jordanian Standard Specification so as to brand distinguished marks along the surface of every bar with equal areas not exceeding 1.5 meters comprised of the following:
 1. Plant branding or its registered trade mark.
 2. Degree of yield stress.
- 5- The high confidence gained by the Company with its clients shall be maintained so as to weigh all steel boundless upon sale and delivery by very accurate scales calibrated by the Specifications & Standards Institution (scales calibration certificate is enclosed).

System and Number of Working Hours in the Company

- Number of daily working hours: 9.5 hours
- Number of weekly working days: six days



Quality System Procedures Outline

QSP #	QSP Name	Purpose
01	Management Review	أيجاد طرق للتأكد من عمل الفحوصات الدورية للتأكد من استمرار مطابقة جميع النشاطات مع متطلبات الايزو. To establish the methods of carrying out periodical checks to ensure that the quality system still complies to the requirements of the ISO 9002:1994 International standard and continues to be suitable and effective.
02.1	<u>Contract Review</u>	تحديد وتوثيق متطلبات أوامر البيع (بيع الحديد الجاهز) To define and document orders requirements and establish NS/s capability of meeting the orders.
02.2	Quality planning	أيجاد طرق لتطوير خطط الجودة لإنجاز طلبات خاصة To establish the methods of developing quality plans for orders with special requirements.
03.1	Document Control	أيجاد طرق لتحديد (أضرار، مراجعة، الموافقة، التدقيق، التصحيح) لمختلف الوثائق والنشرات . To determine the methods of originating, reviewing, approving, issuing and amending documents generated internally by NS/. Additionally, the methods of control of third-party documents and concessions are defined
03.2	Product Data Control	هو إيجاد طرق للتحكم بالمعلومات الخاصة بالإنتاج وعمليات التشغيل To establish the methods of controlling product data relating to operation requirements.
04.1	Purchasing Control	أيجاد طرق واليات الحصول على المواد والخدمات Determine NS/s methods of procuring materials and services.
04.2	Evaluation of Subcontractors	أيجاد طرق لتحديد الموردين المعتمدين للمواد والخدمات وأي نشاطات تتعلق بالإنتاج Determine the methods of evaluating and approving suppliers to provide materials and/or services, which may have, and impact on the quality of the product manufactured by NS/.
05.1	Production Planning and Control	وصف النشاطات والأعمال التي تدخل في جميع عمليات الإنتاج من تحكم وتنظيم Describe the activities that are involved in the planning and control of all production operations at NS/.



05.2	Process Control	وضع آلية للتحكم في عمليات الإنتاج على مختلف مراحلها Establish the controls maintained in controlling production processes
06	New Equipment Approval	أيجاد طرق لفحص واعتماد شراء المعدات الجديدة Establish the methods of checking and approving new NS/ equipment.
07	Equipment Maintenance	تأسيس وتثبيت طرق لصيانة معدات التصنيع Establish the methods of maintaining manufacturing equipment.
08	Inspection and Test	القيام بعمليات الفحص والتفتيش للتأكد بان المواد المنتجة تتطابق مع المواصفات Establish the inspection and testing activities performed to verify that NS/products meet the specified requirements.

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09	Control of IMT Equipment	وصف كافة الأعمال والنشاطات المتعلقة بمعايرة كل التفتيشات والفحوصات والقياسات التي تتم للمعدات والأجهزة للتأكد من استكمال إجراءات المعايرة الصحيحة Describe the activities involved in carrying out calibration on inspection, measuring and test (IMT) equipment and devices to ensure the continuing proper calibration of such equipment
10	Corrective and Preventive Actions	أيجاد طرف لتطبيق إجراءات الصيانة الوقائية والتصحيحية لمعالجة أي مشاكل في الإنتاج والتشغيل والتأكد من سلاسة وفعالية تلك الإجراءات. Establish the methods to be used to implement appropriate nonconformance, shortfalls in work operations and procedures and to ensure that the corrective or preventive action taken is effective
11	Handling Customer Complaints	أيجاد آلية للاستماع لشكاوى الزبائن والتحقيق فيها ومعالجتها Establish the methods of receiving, investigating, and responding to customer complaints
12	Materials Storage Control	إنشاء طرق تحكم في جميع المواد والمنتجات Establish the methods of controlling the storage of all materials and products.
13	Delivery Control	وضع آليات وطرق للتحكم في تسليم الحديد الجاهز للزبائن Establish the methods of controlling the issuing and delivery of finished products to the clients.



14	Internal Quality Auditing	إيجاد طرق للتخطيط وتطبيق التعليمات الداخلية للتأكد بان النشاطات الفعلية تنطبق مع الإجراءات والتعليمات النظرية Establish NS/s methods of planning and implementing internal quality audits to verify whether quality activities and related results comply with the requirements and to determine the effectiveness of the NS/ quality system.
15	Control of Quality Records	أيجاد طرق لاستعمال جميع أنواع سجلات نظام الجودة وتطبيقاتها Establish the methods of generating, holding and controlling records produced as part of the implementation of the quality system
16	Training	أيجاد طرق للتدريب الخاص بأفراد الشركة Establish the method of identifying and providing training for NS/ personnel.
20	Quality Objectives	يهدف هذا الإجراء إلى تأسيس طرق للوصول إلى أهداف الجودة Establish the method of determining and achieving quality objectives at different functions of NSI.
21	Communication	يهدف هذا الإجراء لتأسيس طرق للاتصال الداخلي ومع الزبائن Establish and define all internal communication and customer communication tools that are used at NSI
22	Customer Satisfaction Survey	استطلاع رضا الزبائن Establish the method of conducting customer satisfaction surveys.
23	Data Analysis	يهدف هذا الإجراء إلى جمع وتثبيت طرق لجميع وتحليل البيانات والمعلومات والإحصاءات للاستفادة من في كافة المجالات Identify the methods of monitoring and measurement of processes and data collection and analysis to implement and control the application of statistical techniques used to monitor and control production parameters, conformity of product, customer satisfaction survey results, subcontractor's performance, maintenance parameters and internal auditing results