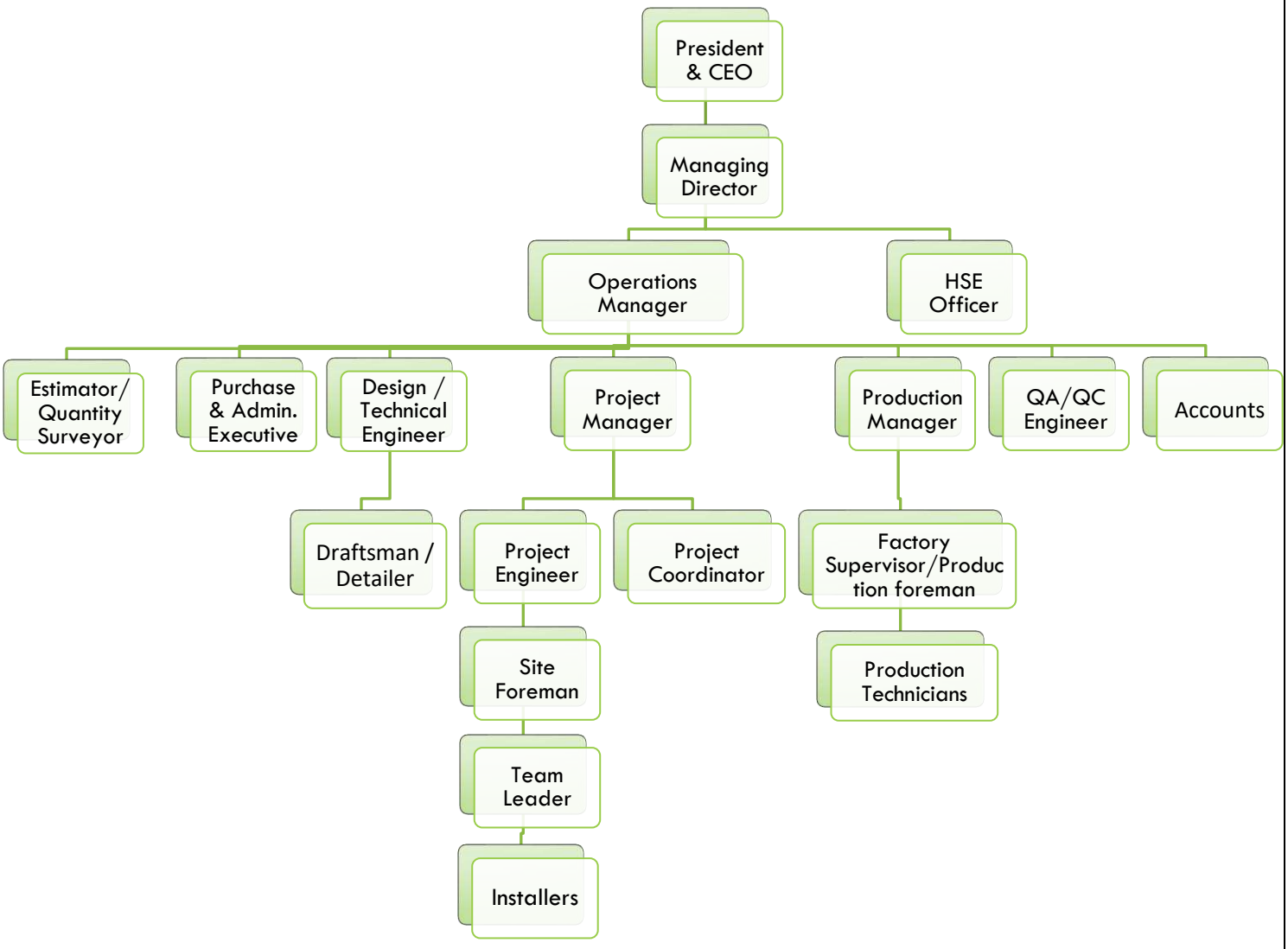
ستيل هب ذ.م.م
STEEL HUB W.L.L

PRE-QUALIFICATION DOCUMENT

1. COMPANY DETAILS

1.1	Company Name	Steel Hub W.L.L.
1.2	Address	Building: 1052, Road: 5222 Block: 952, Ras Zuwayed
1.3	Telephone	16100360
1.4	Fax	16100361
1.5	Email Address	info@steelhubbh.com
1.6	Website address	www.steelhubbh.com
1.7	Commercial registration number	140650-1
1.8	Detail of CR	Individual Establishment
1.9	Date of Establishment	26/07/2007
1.10	Type of work Sought	Steel structure fabrication.
1.11	Associated companies	Alghanah Group/ Alghanah properties / Alghanah Aluminium / Alghanah Wood / Edge Stone
1.12	Registration with Authorities and Ministries	Ministry of Industries, Commerce & Tourism
1.13	Maximum Value of contract sought	>1,200,000.00

2. ORGANIZATION CHART



3. MANPOWER

No.	Locations	Job Position	No of Nationalities		
			Bahraini	Expatriates	Total
1	Factory	Operation Manager		1	1
2.	Factory	Assistant Manager	1		1
3.	Factory / Site	HSE Officer	1		
4.	Factory	Design Engineer		1	1
5.	Factory	Technical Engineer		1	1
6.	QA / AC	Quality Engineer		1	1
7.	Sites	Engineers		4	4
8.	Admin	Purchasing	2	1	3
9.	QS Department	Estimators	1	2	3
10.	Technical Department	Draftsman		3	3
11.	Sites/Office	Sales Executive		1	1
12.	Accounts Department	Accountant		1	1
13.	Stores	Store keeper		2	2
14.	Sites	Foreman		3	3
15.	Factory	Foreman		3	3
16.	Factory / Sites	Structural Fabricators		25	25
17.	Factory / Sites	Structural Welders		23	23
18.	Factory	Galvanizer / Painter		9	9
19.	Factory / Sites	Helper		18	18
20.	Company	Security Guard		2	2
		Total	5	101	106

4. SPECIALIST SERVICES

STEEL HUB W.L.L. division is an inter-grade supplier of steel buildings and structural steel assemblies. Our services cover design, manufacturing, supply and erection of standard and customized steel structures. Various fabrication of steel products which includes but not limited the following parameters.

1.Hot Rolled steel buildings.
2.Pre-Engineered steel Buildings (PEB).
3.High Rise building.
4.Overhead crane girders.
5.Steel Platforms.
6.Steel Stairs.
7.Shades.
8.Entrance Canopies.
9.Miscellaneous Steel / SS works (Railing, Door, Window, Ladder, etc.,).

5. MACHINES

1) CNC Plasma Machine

iSGM 3500 has a rugged 3-axis heavy duty gantry design for smooth motion & accuracy for improved cutting performance. With dual side, high speed AC drives and a high-speed plasma lifter, iSGM 3500 delivers higher productivity.

The A120 plasma system, an industrial proven platform offers standard features to meet the needs of many automated applications. With all the advantages of 1Torch and proven system reliability, the automated A120 Plasma delivers the best in productivity, precision and performance.

2) CNC Bending Machine

A bending machine is a forming machine tool (DIN 8586). Its purpose is to assemble a bend on a work piece. A bends is manufactured by using a bending tool during a linear or rotating move. The detailed classification can be done with the help of the kinematics.

3) CNC Shearing Machine

Shearing, also known as die cutting, is a process which cuts stock without the formation of chips or the use of burning or melting. Strictly speaking, if the cutting blades are straight the process is called shearing; if the cutting blades are curved then they are shearing-type operations. The most commonly sheared materials are in the form of metal or plates, however rods can also be sheared. Shearing-type operations include: blanking, piercing, roll slitting, and trimming. It is used in metalworking and also with paper and plastics.

4) Profile Rolling Machine

A profile bending machine is a machine used to perform cold bending on profiles with different shape and size. Usually, the machine is used in the metalworking field to bend profiles like tubes, bars, angles, "T" profiles, "U" profiles and beams.
The most important part of the machine are the rolls (normally 3) that apply a combination of forces on the profile, the resultant of which determinates a deformation, along a direction perpendicular to the axis of the profile itself. The profile bending machines can be distinguished by:

- *Working principle / Configuration*
- *Drive*
- *Dimensions*
- *Control*
- *Accessories*

5) Plate Rolling Machine

A plate rolling machine is a machine that will roll different kinds of metal sheet into a round or conical shape. It can be also called a "roll bending machine", "plate bending machine" or "rolling machine".

6) Band saw Machine

The band saw is useful for cutting stock to size and roughing out shapes. It contains a serrated blade that forms one continuous loop. The blade is stretched over two pulleys, the upper one idle, and the lower one driven by a variable speed electric motor.

7) Airless Spray-Painting Machine

Spray painting is a painting technique where a device sprays a coating (paint, ink, varnish, etc.) through the air onto a surface. The most common types employ compressed gas—usually air—to atomize and direct the paint particles. Spray guns evolved from airbrushes, and the two are usually distinguished by their size and the size of the spray pattern they produce. Airbrushes are hand-held and used instead of a brush for detailed work such as photo retouching, painting nails or fine art. Air gun spraying uses equipment that is generally larger. It is typically used for covering large surfaces with an even coating of liquid. Spray guns can be either automated or hand-held and have interchangeable heads to allow for different spray patterns. Single color aerosol paint cans are portable and easy to store.

8) PNC portable pipe profile CNC oxy-fuel plasma cutting machine

The machine can pipe end cutting such as miter the machine is able to do the tee holes, circular holes and Centex line offsets by different positions for pipes with different diameter.

6. TOOLS, EQUIPMENTS & INSTRUMENTS

Sl. No	Equipment Name	Brand	Model
1	Pipe Plasma machine	Esab	iSGM 3500V2
2	Welding Machine	Telwin	EN 60974
3	Welding Machine	Telwin	EN 60975
4	Welding Machine	Telwin	EN 60976
5	Welding Machine	Telwin	
6	Welding Machine	CEA	Triarc 406/L
7	MiG machine	Miller	MD 090835 N
8	MiG machine	Miller	MD 051381 U
9	Welding Machine	Miller	
10	Welding Machine	BOC	28
11	Welding Machine	AMA/SMD	MM155
12	Welding Machine		
13	Welding Machine	Miller	Gold star
14	CUTTING MACHINE	MEBA	15022211
15	Drill machine stand	WEBO	
16	Drill machine stand	PATHAK	
17	Drill machine stand	PATHAK	
18	Drill machine stand	PATHAK	
19	Drill machine stand	PATHAK	
20	Drill machine stand	PATHAK	
21	Panch machine	IMS	HY65-4152
22	B CUTTER	MATRICOLA	33MTNOR EXP
23	Wrought machine		
24	Basket machine		
25	Wrought iron machine		
26	Bending machine	WUXI	WC67 Y
27	Sharing machine		QCLLY-12x3200
28	Lathe machine	ATLAS	AMT-576
29	Lathe machine	PATHAK	
30	Lathe machine	Torrent	7642
31	Bending machine (Flat)	PATHAK	JZQB350
32	Transformer	VJP	PLATORENT
33	Air compressor	Idlida	Y132-2
34	Air compressor	Stanley	TS700/11/270
35	Facing Machine-(Lathe)		
36	Pipe bending machine		

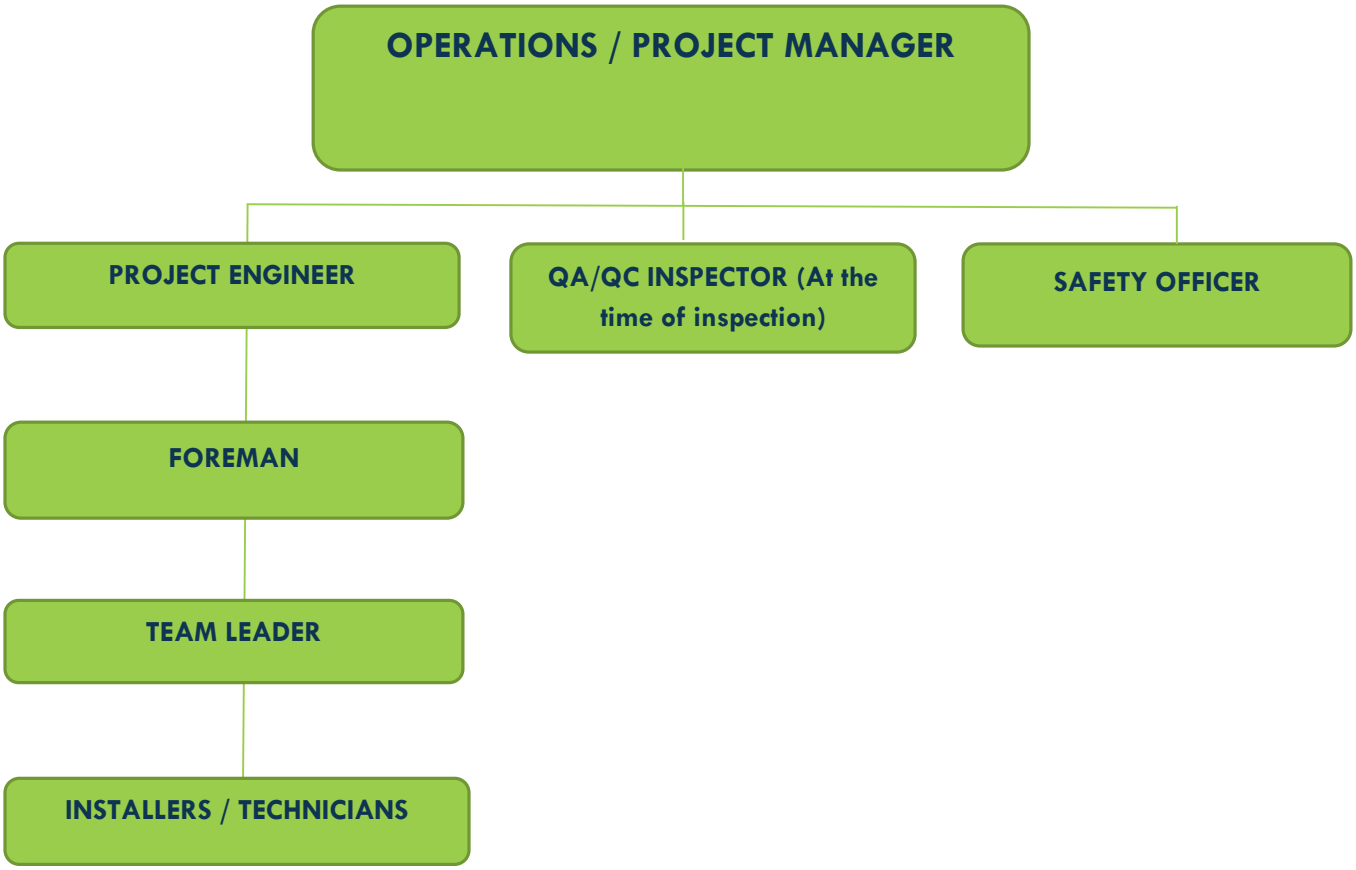
37	Pipe bending machine		
38	House heavy cutting machine	embarkuh	
39	SPLIT AC 3 TON	PEARL	PEARL
40	GRINDER	Hilti	AG115 AD
41	GRINDER	Hilti	AG115 8D
42	GRINDER	Hilti	
43	GRINDER	Hilti	AG115-8S
44	GRINDER	Hilti	AG115-8S
45	GRINDER	Hilti	AG115-8S
46	GRINDER	Hilti	AG115-8S
47	GRINDER	Makita	9557HN
48	GRINDER	Makita	9557HN
49	GRINDER	Makita	9557HN
50	GRINDER	Makita	9557HN
51	GRINDER	Makita	9557HN
52	GRINDER	Makita	9557HN
53	GRINDER	Makita	9557 HN
54	GRINDER	Makita	9557 HN
55	GRINDER	Makita	9558 HN
56	GRINDER	Makita	9559 HN
57	GRINDER	Makita	9560 HN
58	GRINDER	Makita	9557HN
59	GRINDER	Makita	9557HN
60	Angle cutter	Makita	2414B
61	Angle cutter	Makita	2414B
62	Angle cutter	Makita	2414B
63	Angle cutter	Makita	2414B
64	Angle cutter	Makita	2414NB
65	Angle cutter	Makita	#REF!
66	Angle cutter	Makita	
67	Angle cutter	Makita	2416 S
68	Angle cutter	Makita	
69	GRINDER	Makita	
70	Drill Machine	Makita	2414 N
71	Drill Machine	Makita	DP4700
72	Drill Machine	DEWALT	
73	JIGSAW cutter	Makita	4300 BA
74	Rotary Hammer	Hilti	TE 7-C 01
75	Rotary Hammer	Hilti	TC 1-02
76	Rotary Hammer	Hilti	TE 1 02

77	*Rotary Hammer*	*Hilti*	*TE 7- 01*
78	*Rotary Hammer*	*Hilti*	*TE 30*
79	*Rotary Hammer*	*Hilti*	*TE7-C 01*
80	*Rotary Hammer*	*Hilti*	*TE 1 02*
81	*Chagar Hilti*	*Hilti*	
82	*Drill Machine Big*	*Makita*	*HP2010 N*
83	*Tig machine*	*Miller*	*MD 210222 G*
84	*Serew Chagar*	*Makita*	
85	*Serew Chagar*	*Makita*	
86	*Bolt chagar*	*Makita*	*BTM 251*
87	*Welding machine*	*Turbo*	*CEA*
88	*Welding machine*	*Turbo 274*	*CEA*
89	*Welding machine*		
90	*Welding machine*		
91	*Welding machine*	*Miller*	*LG 450095 G*
92	*Welding machine*	*Miller*	*MA 280214 G*
93	*Welding machine*	*Miller*	
94	*magnetic drill machine*		
95	*magnetic drill machine*		*MM32*
96	*Generator*	*Subaru*	*RGX-3800*
97	*Generator welding machine*	*Miller*	*Big Biue 500 x*
98	*Generator welding machine*	*Miller*	*Big Biue 500 x*
99	*Generator welding machine*		
100	*Generator welding machine*		
101	*Air compressor*	*Stanley*	*FC2/50CM2*
102	*Air compressor*		
103	*Air compressor*		
104	*Oxygen (7psc)*	*Yateem*	
105	*Propin -cylinder (5 Pcs)*	*Yateem*	
106	*CO^2 -cylinder (4 pcs)*	*Yateem*	
107	*Self-Screw Machine*	*Makita*	*FS 4300*
108	*Self-screw Machine*	*Makita*	*FS 4300*
109	*Self-screw Machine*	*Makita*	
110	*Self-screw Machine*	*Makita*	
111	*Rail machine*	*Victor*	
112	*Rail machine*	*Makita*	*CG1-30*

7. TRANSPORT VEHICLE

S.NO	VECHICLE NAME	QTY
1	Mitsubishi Canter six wheel	1
2	Mitsubishi Single Cabin(Heavy)	1
3	Toyota Hilux Mini bus	1
4	Mobile Crane(SANY) 25Ton	1
5	SANY Mobile Crane 75Ton	1
6	Mitsubishi Hiab	1
7	Mercedes hiab	1
8	Hino Hiab	1
9	Nissan UD Truck(Trailers)	1
10	Mitsubishi unit	1
11	Manlift	2

8. DESIGNATED TEAM



9. QA / QC PROCEDURE

1. *Definitions*
2. *Manual Control*
3. *Design and Engineering Control*
4. *Document Control and QA Records*
5. *Material Procurement Control*
6. *Vendor and Subcontractor Qualification*
7. *Production Control*
8. *Welding Control*
9. *Inspection and Test Program*
10. *Measuring Control and Test Equipment*
11. *Non-Conformance and Corrective Measures*
12. *Training*

1. DEFINITIONS

For this entire Quality Assurance Manual, the following definitions shall apply:

1.1. Accuracy

The degree of correctness with which a method of measurement yields the true value of a quantity usually expressed in terms of "errors"

1.2. Calibration

A comparison between a standard and measuring equipment, instrument or items of equipment with a standard of higher accuracy to detect, correlate, adjust and document the accuracy of the instrument or equipment item being compared or tested.

1.3. Customer/Client

The party(s) or his representative(s) issuing a contract for obtaining items and/or services.

1.4. Engineer

The Experienced and Qualified Offer authorized by STEEL HUB W.L.L. placing order for the work with the contractor or other officers as may be authorized and appointed in writing by the Company to act as the Engineer for the Contract.

1.5. Evaluation

An appraisal to decide whether a management system can produce a quality control or service and generating evidence to support decisions of acceptability.

1.6. Inspection

The process of measuring, examining, testing, gauging or otherwise comparing one or some characteristics of the product or service with the specified requirements.

1.7. Item

Any level of unit assembly, including structure, system, subassembly, component, part or material.

1.8. Material

A substance or combination of substance forming components, parts, pieces and plant items.

1.9. Measuring Equipment

All devices used to measure, gauge, test, inspect or otherwise quantify the characteristics of an article.

1.10. Process

Procedure or techniques followed in the production/erection of a product.

1.11. Quality

All features and characteristics (attributes) of a product or service that bear on its ability to satisfy a given need.

1.12. Quality Assurance

All those planned or systematic actions necessary to provide adequate confidence. An item or a facility will do satisfactorily in service.

a. Quality Assurance Manual

A document specifies the general quality policies and practices of an organization.

b. Quality Control

Those quality assurance actions that provide a means to control and measure the characteristics of an item, process or facility to established requirements.

c. Quality Control Surveillance

The monitoring activity by the purchaser, his representative or independent organization acting on his behalf of a contractor's quality control organization and methods.

d. Quality Plan

A document setting out the specific quality practices and procedures used for a particular component, part or material.

e. Quality Program

Total management and procedures for the execution of a specific contract or project.

1.18. Standard

An instrument, device or material of known characteristics and higher precision used to establish and maintain the accuracy of a measurement system or device.

1.19. Sub-Contractor

For these Requirements the purchase of all products or services by a contractor is considered as subcontracting and the sources of supply as subcontractors.

1.20. Use-As-Is

A disposition which may be imposed for non-conformance when it can be established that the discrepancy will result in no adverse conditions and that the item under consideration will continue to meet all engineering functional requirements including performance, maintainability, fit and safety.

2. MANUAL CONTROL

2.1. Scope

This section defines the responsibilities and control for preparation, distribution, revision and recall of Quality Assurance Manual of STEEL HUB W.L.L.

2.2. Responsibility

The Manager of Q.A. shall be responsible for preparation, review, distribution withdrawal and revision of Quality Assurance Manual.

The Border of STEEL HUB W.L.L. shall be responsible for approval of Quality Assurance Manual.

2.3. Distribution and Control of Quality Assurance Manual

This Quality Assurance Manual shall be identified and classified as "Controlled" or "Uncontrolled" according to its use, and distribution shall be recorded on the Quality Assurance Manual Distribution Record under the responsibility of the Manager of Q.A. Staff.

Distribution and Quality Assurance Manual Distribution Records shall be controlled and maintained by the Manager of Q.A. by use of Quality Assurance Manual Transmittal Control Slip and the classification of Quality Assurance Manual shall be identified on the cover sheet as "Controlled" or "Uncontrolled".

All Quality Assurance Manuals shall be assigned a serial number and shall be used for the identification of issue.

2.4. Review

The Quality Assurance Manual shall be reviewed once in a year. Q.A. Manager shall be responsible for review and to finalize the revision of Q.A. Manual

if required. Any proposal to the Q.A. activities shall be tabled on the meeting periodically by Q.A. Staff.

Should any activity be decided at the meeting to be revised soon, the Manager of Q.A. shall arrange for revision as early as possible.

2.5. Distribution and Revision Control

Quality Assurance Manual and revisions shall be distributed by use of Quality Assurance Manual Transmittal Control Slip [Quality Assurance Manual T.C.S.].

The Return Receipt portion of the Quality Assurance Manual T.C.S. shall be completed and returned to Q.A. Staff by the receipt.

The record of Quality Assurance Manual and revisions distribution shall be maintained by Q.A. Staff on the Quality Assurance Manual Distribution Record.

This Record shall include the person assigned for preparation of Quality Assurance Manual, the Serial Numbers "Controlled" or "Uncontrolled" revision issued, date of issue and the date when the Return Receipt is received. All Quality Assurance Manual Receipt shall insert the Transmittal Portion of the Quality Assurance Manual T.C.S. in the Quality Assurance Manual.

Quality Assurance Staff shall note return of the Return Receipt and record on the Quality Manual Distribution Record. The Manager of Q.A. Department shall be responsible to assure that "Controlled" Manuals are updated, as necessary to meet the applicable codes and/or standards.

4. DESIGN AND ENGINEERING CONTROL

4.1. Scope

This chapter identifies the responsibilities and measures established and implemented to control design and engineering activities and customer requirements including the proper review of drawings, specifications and the translation into fabrication/working documents for use at the works.

4.2. Order Entry

Receipt of a contract from the customer prepared by the Sales Manager. The Sales Department shall forward all customers' contract specifications, drawings and relative documents to the Contract Coordinator in the Sales Dept. production planning, Engineering and Q.A. Department Manager.

The responsible Design Engineer in the Design Staff and Q.A. Staff shall review the customers' specifications and other contract documents such as standard for adequacy and prepare their recommendation. If necessary, contract specification review meeting shall be convened to discuss the contractual requirements.

During Q.A. review, special attention shall be given or tested inspection requirements and inspection by an independent authority.

4.3. Design Drawings, Specification & Production Drawings

The Manager of Engineering & Design shall be responsible for the preparation and obtaining approval of drawings from the client or consulting engineer.

The shop drawings shall define all the requirements and data of fabrication of an item, such as identification, material specification, joint details and dimensions with necessary tolerance.

The shop drawings and design calculations shall be submitted to the customer or inspector or review and approval as required by contract agreement.

4.4. Revision Control of All Design Documents

The responsible Design Engineers shall verify the appropriate revision numbers of the design documents before these documents are issued for production/fabrication.

Above all, when the standard production drawings stored in Document Service Room are issued, the responsible Design Engineer shall show the revision numbers on the Engineering instruction and the date of issue.

The STEEL HUB W.L.L. Engineer is responsible for reproducing and distributing these drawings according to the Engineering instruction to Q.A. Production Planning and Sales Departments.

When any changes occur in the design documents during production, the obsolete drawings shall be superseded or the Engineer Change Notice shall be issued promptly by the responsible Design Engineer and the obsolete prints removed.

Procurement Specification

The Design & Engineering Staff shall prepare all procurement specifications for materials according to approved drawing.

All procurement specifications shall meet the applicable code, design drawings and specification requirements.

The procurement specification shall be forwarded to Q.A. Department for review & acceptance. If procurement specification is acceptable, it shall be transmitted to Materials Department for preparation of the Purchase Order according to Material Procurement Procedure.

Any revision to a procurement specification shall be referred to the originator and handled as an original issue.

The procurement specification shall include but not limited to the following:

Material identification requirements to the applicable standard or code i.e., shape, weight & quantity, shipping & payment details.

Inspection/test to be conducted by the vendor. Mill Certificate requirements.

Documents required to be supplied by the vendor.

Drawing and specification identification and their revisions.

5. DOCUMENT CONTROL AND Q.A. RECORDS

5.1. Scope

This chapter identifies the methods, established to control the issuance, distribution and revision of all manufacturing documents, these measures shall ensure that all manufacturing documents including revision are properly reviewed, approved and released by the authorized personnel, distributed to the assigned locations and as a result the latest applicable documents are in use always.

5.2. Responsibilities

5.2.1. Design

The Manager of Engineering Department is responsible for preparation, review, obtaining approval from client and distribution of all design documents as identified in the specifications. The Manager of Engineering Section has been delegating the authority to control all design documents.

5.2.2. Production Planning

The Manager of Production Planning Department is responsible for preparation of Cutting Lists, Process Sheet, Job Cards, Priority List and distribution of Material Weight List documents to all concerned.

The Manager of Production Planning has been delegating the authority to control the fabrication documents with his scope of management.

5.2.3. Quality Assurance

The manager of Q.A. Department is responsible for the preparation, review, approval and distribution of all Quality Records such as day-to-day inspection records, tests certificates etc.

The Quality Assurance Manager has been delegating the authority to control the quality assurance documents and if required to review, to confirm quality assurance documents, issued by the other department concerned.

5.2.4. Check & Approval

Approval of documents shall be by a responsible person who specifies checkers for documents.

5.2.5. Distribution

The distribution of drawings shall be by the copy flow system.

The Originators of the documents shall be responsible for distribution of the Documents.

5.3. Document Control

5.3.1. Confirmation of Change Documents

All the changes to documentation that will affect manufacture and Q.A. activities shall be in writing. The record of all changes shall be made with the standard sheets and be maintained by originator.

The Engineering Coordinator is responsible for distribution of change documents and to confirm delivery by Distribution List & Receipt.

5.4. Document Identification

All related documents shall be identified according to the identification procedure.

All documents except general issue must have contract number in prominent place plus date and revision number.

5.5. Updating

5.5.1. Drawings

The Manager of Engineering Dept. shall be responsible for the updating drawing revision by replacing outdated drawings with revised ones.

5.5.2. Other Documents

The issuing department manager shall be responsible for the updating documents.

5.6. Retention of Outdated Documents

The issuing department could keep the outdated documents for reference. The outdated documents shall be identified with "VOID" stamp.

5.7. Retention

5.7.1. Drawing Control Staff

The Manager of Engineering shall be responsible for retention of Drawings, specifications and instructions registered to the Drawing Registration System.

5.7.2. Originator

The originator shall be responsible for all original documents in the appropriately protected cabinets.

6. MATERIAL PROCUREMENT CONTROL

6.1. Scope

This chapter defines the responsibilities and methods practiced during the planning, procurement and receiving of all materials, items and control of services by STEEL HUB W.L.L. Works.

6.2. Responsibility

The Manager of Materials Department shall be responsible for procurement of all materials, items and services to be used.

6.3. Procurement of Materials

6.3.1. Procurement Specification

The Procurement Specifications shall be initiated for the procurement of all materials, items and services. The responsibilities for preparation of procurement specification are as follows;

a. Materials and Items

The Manager of Design & Engineering shall be responsible for preparation of the Procurement Specifications and Engineering Instructions for materials or items, and for distribution of Procurement Specifications and Engineering Instructions by marking the group code identification, the specifications and instructions.

b. Services

The respective requesting section shall prepare the Procurement Specifications for purchase. All procurement specifications shall be reviewed and approved by the Q.A. Manager. The Manager of Q.A. Department is responsible for assuring those all-applicable standards; customer capability Q.A. Requirements are complying for the procurement of materials, items, and services. The Procurement Specifications shall include all necessary documents such as Engineering procedures, standards and other STEEL HUB W.L.L. Works requirements applied to the purchase order.

The Procurement Specifications shall be transmitted to responsible Materials Manager for preparation of purchase requests.

The Purchase Requests with attached Procurement Specifications and other applicable documents shall be forwarded to the purchase Section for preparation of Purchase Orders and issuing of Purchase Orders.

The Procurement Specifications shall be attached to the Purchase Order for issue. Before issue the Purchase Orders that shall be reviewed/signed/stamped and dated by the Manager of Materials Section to ensure that they meet

Procurement Specifications and Purchase Requests and that the vendor is properly qualified.

The copies of the finalized Procurement Specifications shall be forwarded to the Q.A. Department and in turn Q.A. Department shall forward to Inspector of Inward Inspection Staff.

If changes are made in drawings, specifications or inspection requirements during the procurement cycle, the revision shall be documented and approved by use of Engineering Change Notice (ECN). The approved ECN and attached/revised Procurement Specification shall be forwarded to the vendor/subcontractor via original path.

Revised Procurement Specifications shall be forwarded to the Q.A. Staff to replace the original Procurement Specifications to conduct proper receiving inspection upon receipt of materials, items and services.

7. VENDOR AND SUBCONTRACTOR QUALIFICATION

7.1. Policy

The Head Q.A. and representatives from Design, Production & Material Department shall be responsible for carrying out Vendor Survey [Audit Surveillance] to assess the capabilities of vendor/subcontractor and to evaluate the quality ratings according to approved procedure.

The advice of Head Q.A. in selection of vendor/subcontractor is final and binding to all concerned.

The assigned survey members shall record the results of survey according to above-mentioned format. The report shall also include one of the following:

The vendor/subcontractor is qualified and recommended as supplier.

The vendor/subcontractor has discrepancies requiring correction and must be reevaluated after correction.

The vendor/subcontractor is not qualified.

The team shall prepare the Vendor Survey/Audit Report that shall include their appraisal and recommendation of the vendor/subcontractor and shall forward complete Vendor Survey/ Audit Report to the Manager of Q.A. Department for final evaluation and approval.

After the vendor approval has been made, the Vendor Survey/Audit Report shall be filled in the vendors' list of Materials/Purchase Department and Q.A. Department.

The Manager of Q.A. Department through Q.A./Q.C. Engineer shall schedule program and do Inspection/Testing periodically during fabrication phase and perform qualified vendor audit according to terms and conditions of contract.

Q.A. Department shall maintain the records of vendor/subcontractor evaluation during fabrication phase inspection according to the procedure prescribed by STEEL HUB W.L.L. Works.

7.2. Materials Receiving Control

The Q.A. Manager through Material Receiving Inspector shall be responsible for the material receiving inspection of all procured items. All items shall be accepted in the following manner by receiving inspection before use.

Receiving Inspectors shall check documentation for completeness & compliance with Purchase Order, Procurement Specification, and Receiving Inspection Checklist. Acceptance Tag and Certified Materials Test Reports, Mill Certificates as appropriate and Non-Destructive Test Records according to the applicable code/standards requirements, if required.

Receiving Inspector shall check the material identification against above-mentioned documents and ensure that any off cuts from the materials drawn from the stock issues have identification markings transferred by hand stamping or other permanent marking, from the parent pieces before return to stock and that purchasing has full details of such returns.

Materials as received against purchase orders shall be inspected to see that they comply in all respect with the purchase order, drawings, specifications etc., and issue a Goods

Receiver Inspection Acceptance/Rejection Note. The Q.C. Inspector will record the actual dimensions of materials inspected and ensure that these are within specified tolerance and attach a yellow sticker tape or label. Place a Green Sticker Tape or Label on each item.

Sample tests or inspection compared with code/standard requirement procurement and specification's requirements shall be conducted upon receipt of the material at the works.

The Receiving Inspector shall draw samples according to covering code/standard requirements and shall contact a third party Laboratory for carrying out test/inspection.

Results of test/inspection shall be recorded on the Receiving Inspection Report and results shall be reviewed and approved by the Q.A./Q.C. Engineers.

Materials or items on which any process required with the procurement specification were not done by the vendor shall be segregated as non conforming item and processed according to the clause stipulations.

Rejected materials, either form own stocks or outside supplier that do not conform in all respects with the purchase order, specifications and drawings shall be reported to Q.A. Engineer immediately and endorse the Acceptance/Rectification/Rejection Note accordingly, giving full details of reasons for rejection and affix a Red sticker for Rejection and Pink Sticker for Rectification.

Arrange to put rejected or doubtful material in a holding area.

7.3. Materials Distribution Control

The Quality Assurance manager through Q.A./Q.C. Engineer and Q.C. Inspector controls the distribution as follows;

The Receiving Inspector distributes the inspection reports to all departments concerned. Warehouse supervisor issues all contract materials to the Workshop required by Production control.

No goods what so ever is issued unless they have the original Green Sticker or Label attached showing on Inspection clearance.

The various shop floor Q.C. Inspectors check the identification before cutting or other workmanship is begun and ensures that identification numbers will appear on each piece after cutting and will not be canceled when further operations are carried out.

Any material or items that may become surplus to requirements due to design changes, off cuts or other reasons, come back within the control of the Raw Material Inspector.

Raw Materials Inspectors shall issue a surplus materials note, for contract costing and enter details of surplus material in the stock material's card and file for reference by materials and warehouse personnel.

8. PRODUCTION CONTROL

8.1. Scope

This chapter defines responsibilities and the control of fabrication operations to ensure all the operations are carried out under controlled conditions.

All operations such as Cutting, Machining, Punching, Drilling, Heat-treating, Pre/post heating, Assembling, Welding etc. shall be carried out according to the documented instructions, specifications and drawings as systemized at shop floor workstations.

These documents shall include the criteria for acceptability of workmanship to ensure that the operations have been satisfactorily accomplished.

8.2. Production Control

The Production Manager shall be responsible for the productivity and quality product.

The Production Engineer shall supervise and supply the necessary instructions regarding operations at their workstations.

8.3. Operation Control

The operation shall be progressing with the job card system and shall be carried out according to the drawings, Instruction Sheets, officially distributed by Planning through charge hands.

Any discrepancy and deviation shall be reported to the responsible personnel according to Quality Manual stipulations.

Production Planning Staff shall prepare Cutting Lists, Sketches, Templates, and Tapes for C.N.C. Machines, Drawings on all steps of processes for fabrication sequence and welding procedures.

The Instruction sheets shall be identified with Contract number and Drawing number and shall be approved by Production Manager Engineering Departments and confirmed by the Manager of Q.A. Department.

If any new standard, instruction or cutting list is necessary, production-planning Department shall prepare them.

If the previous sheets/documents are available for repeat order or new order, production - planning staff shall initiate the review of those sheets with personnel concerned before commencing the job.

8.4. Planning of Fabrication Sequence

Fabrication sequence including inspection by inspector stated on the Instruction Sheets shall be designated on the Operation Planning Card with drawing numbers to be referred to.

8.5. Revision of Instruction Sheets

If any change is required on the sheet after setting down, Planning shall prepare the change as follows;

Temporary/minor change of fabrication sequence and/or fabrication procedures and such shall be carried out according to, the control standard for change of "Technical Details"

Operations of special processes such as C.N.C. Drilling, Punching, Welding, Cutting, Plating, Sub-assembly fit-up etc. shall be carried out by qualified workers certified with the Qualification Institution.

The O.A. Manager shall review all such qualification records and approve the personnel.

8.6. Non-Conformance Control

If non-conforming items are detected, they shall be identified, recorded, notified, segregated and de-positioned according to related instruction of this Manual.

Finished/Semi-finished items shall be protected from un-penetrable conditions such as rust, rust damage and so on, and clearly distinguished with one or any combination of following procedures throughout production (1) Painting (2) Tagging (3) Labeling (4) Stamping (5) Sanding (6) Bagging & Stocking.

8.7. Handling

Acceptable or preferable handling procedures shall be prepared for handling the items during different fabrication phases and issued to shop floor personnel according to design requirements.

Any prohibition on handling shall be informed clearly by production staff on the documents.

8.8. Control of Production Facilities

The Production Manager shall be responsible for the control of fabrication facilities through Maintenance Section. The Production Manager shall control special machines or equipment and tools.

9. WELDING CONTROL

9.1. Scope

This defines the responsibility and system for welding at steel structure works to assure that qualified welders according to qualified welding procedure using specified materials will do welding.

9.2. Responsibilities

The Quality Assurance Manager, through Quality Assurance Engineer & Quality Control Engineer & Inspectors will be responsible for control of welding quality according to welding procedure documents.

The Production Manager shall be responsible for control of welding electrodes, assignment of qualified welders and execution of welding at shop floor.

The Manager of Engineering staff shall be responsible for design of weld joints, welding parameters etc.

The Q.A. Engineer/Q.C. Engineer shall be responsible for calling Independent Inspection Authority to witness the Welding Procedure, Welding Specification & Welder Qualification Test and keep full master record of the procedure and welding operator tests against an independent record system and arrange for reevaluation as and when required by shop floor engineer but not less than every 12 months.

9.3. Qualification of Welding Procedure & Welders

The welders shall be qualified with weld performance qualification by Independent National authorities. The Quality Assurance Engineer with the help of Welding Engineer shall prepare the Welding Procedure Specification (WPS) for qualification of procedures and welders.

9.4. Welding Procedure Qualification

i. *The welding engineer shall select competent welders to do welding procedure qualification test.*
ii. *Selected welder shall do the trial welding of the test pieces.*
iii. *The welded test pieces shall be mechanical tested and recorded by Q.C. Engineer.*

iv. *The Parameters for welding shall be identified by evaluation of the test results of trial welding.*

v. *These results shall be documented as Welding Procedure Qualification Record (PQR).*

9.5. Welder Performance Qualification

i. *The Welders receiving test shall do welding of test pieces according to approved WPS order under supervision of Q.C. Engineer, independent Authority Engineer & Welding Engineer.*

ii. *The welded test pieces shall be X-ray or Magnetic Particle tested according to AWS and ASME and/or engineer standards' requirements.*

iii. *Q.C. Engineer shall review WPS and results of mechanical test for welded test pieces.*

9.6. Qualification Renewal Control

The Q.C. Engineer shall prepare and maintain current list of qualified welders.

The list, so called Welders Renewal List shall identify personnel by name, Identification number and Specific Qualification.

Q.C. Engineer shall assign each qualified welder identification number.

The welder Renewal List shall be prepared, distributed and updated periodically. With the updating of the Welder Renewal List, the Welding Process Record shall be maintained by Q.C. Engineer.

This list shall include sufficient information to identify all qualified welders and their qualifications.

9.7. Welding Consumable Storage, Drying & Issue

Using Engineering instruction according to the material procurement procedure and clients specification shall purchase all consumable.

After completion of Receiving Inspection, The Q.C. Inspectors shall notify Inventory Control Section to transfer materials to the welding material storage room as follows:

On receipt of delivery of welding materials, packages are marked with their respective contract numbers and a yellow sticker attached by the stores personnel, after whom they are inspected by the Warehouse Inspector and Materials Inspection acceptance/rejection note issued in the same manner according to clause 3. With a green sticker attached, if acceptable.

The Electrodes shall be placed separately and stored at a controlled temperature. All electrodes having low hydrogen covering shall be dried at least two hours between 230°C and 260°C or according to manufacturers' recommendations before use.

The stores personnel then issue the electrodes to the welders against a material issue note. The welders then place them in the heated ovens provided, local to the job. The production Supervisor ensures that only sufficient rods are drawn for the particular work period, approximately four hours.

In addition, for low Hydrogen Electrodes, if being exposed more than four hours, they shall be returned to the storage room for drying again.

Damaged and used welding rods shall be disposed in the designed waste containers.

9.8. Operation

The Welding operation shall be performed according to approved WPS and Welding Engineers Instructions.

The welding materials to be used shall be specified on the approved WAS. The welding Supervisor/charge-hand shall monitor welders' activity to insure compliance with approved WPS.

The Welding Inspector shall monitor welding parameters and in-process welding data according to approved WPS parameters.

The Welding Inspector shall record welding parameters on the Welding Process Record. The Welding Inspector shall check fit up of Assembly immediately before first run weld.

If non-conforming condition is noted during welding process, for example the parameters of fabrication instruction sheet or approved WPS have been violated, welding shall be stopped and then nonconformity tag and nonconformity notice shall be prepared and processed according to non-conformance chapter of this Manual. The Welding Inspect shall examine first side back gouges or grinding before second side welding begins in full strength joints.

When the welding has been completed, the weld dimensions, visual inspection & NDT shall be carried out by welding inspector. The Welding Inspection Report shall be prepared and signed/stamped and dated by the Inspector, if acceptable. The completed report shall be reviewed and approved by Quality Assurance Engineer or Q.C. Engineer.

Inspector & Q.A./Q.C. Engineer shall maintain the completed record after the inspection.

9.9. Welding Equipment

The operating control and maintaining of all welding equipment shall be responsibility of the Production Manager and maintenance shall be included in the scheduled program.

10. INSPECTION AND TEST PROGRAM

10.1. Scope

This chapter identifies the responsibilities & measures established to assure that all personnel in charge of inspections and tests are properly trained and qualified if necessary, and the procedures of inspection and test are properly reviewed and approved according to the governing code/standards.

10.2. Responsibilities

The Quality Assurance Manager through Q.A./Q.C. Engineer and various Inspectors shall be responsible for carrying out the inspection/test at all stages of fabrication.

10.3. Standards, Drawings and Procedures

All inspection & tests shall be performed according to the customer's specific requirements, standard/code requirements, approved inspection procedures and drawing requirements.

Quality plans with reference documents for inspection shall be readily available to the inspectors.

The Quality plans and instructions shall be completed to clarify items and procedures of inspection and test, and acceptable tolerance depending on drawings, specifications and standards.

Quality Assurance Engineer and Q.C. Staff shall prepare the Quality Plans and inspection test procedures respectively within the scope of specification.

10.4. Quality Plan

The inspection and test procedures planned according to various requirements concerned shall be prepared by a responsible Quality Assurance Engineer and submitted to the customer for approval.

The inspection and test sequence according to production flow and document No./check lists shall be stated on the quality plans from receiving inspection (beginning of fabrication) through final inspection.

10.5. In-Process Inspection

In-Process inspection except hold points may be carried out by process inspection after completion of each operation according to the Quality plans

particularly important phases of fabrication stated on the quality plans shall be checked by inspector of in-process.

Quality Control In-process Inspection Reports shall be prepared daily in each work stage such as cutting drilling, punching, welding and etc.

10.6. Assembly Fit-Up Inspection

Assembly Inspector is responsible for carrying out assembly fit-up check. Dimensional and tack welding checks according to drawing and quality plan requirements.

Inspector shall ensure that the fabrication will be carried out on a flat and level surface.

If assembly required to be tacking welded as per drawing, tack welder shall be qualified prior to commencing the fabrication according to AS or ASME or applicable code/standard.

Prepare the Assembly Inspection Reports daily.

10.7. Welding/Pre-final Inspection

Welding/Pre-final Inspection shall be carried out by Q.C. Inspector and ensured that welder performance qualification tests and weld procedure qualification carried out on the special test pieces according to welding control chapter as prescribed in the Quality Manual.

Inspect weld preparations and fit up in all subassemblies and carry out dimensional checks. Where heavy welds are called for check that suitable allowance for shrinkage has been allowed.

Checks that preheat requirements are satisfactory.

Inspect weld runoff pieces and carry out dimensional checks, orientations, etc. according to the drawing/Quality Plan requirements.

Inspect all welding runs, final runs, back gouging or grinding & record. Any local preheats and post-heats treatments or other approved methods or code/standards as required by the drawings and quality plans.

10.9. Pre-final Inspection

Qualified inspector according to drawing & the Quality Manual shall carry out pre-final inspection such as dimensional checks to clear the complete fabrication.

10.10. Surface Treatment Inspection

10.10.1. Surface Preparation

Bare steel components of steel structure, after fabrication shall be prepared by shot blasting or sand blasting according to governing code/standard requirement.

Q.C. Inspector shall check the blasting abrasive used for blast-cleaning, silica sand grades or shot or grit so that it will produce an average keying profile on the surface according to paint manufacturer recommendations.

After blast cleaning, surface shall be visually inspected for mill scales, oil spatter, grease, soil, cement, salts, acids or other corrosive chemicals, which are harmful for painting.

Degree of surface cleaning is also inspected visually by comparing the blast surface with the photographic standards such as Swedish Standards SIS 055900 or SSPC chapter 2.4.

10.10.2. Painting

To ensure the success of the painting operation, following environment conditions shall be monitored.

Surface temperature shall be measured to ensure that no condensation occurs on the surface.

Relative humidity will be measured to prevent condensation on the surface.

The instrument used for wet bulb/dry bulb temperature measurement is whirling Hygrometer.

The wet/dry bulb temperatures, recorded shall be used to calculate relative humidity by help of dew point calculator.

Relative humidity and dew point temperature will be recorded periodically before the painting operation starts.

Before painting, type of paint, mix ratio etc., according to paint manufacturers' recommendation shall be inspected and recorded.

After completion of painting on the steel structure surface, dry film thickness will be visually examined to establish application defects such as over spray, dirt inclusions, blisters, sags, runs, adhesion, flaking in confined corners etc.

Paint coating dry film thickness shall be measured by use of Elcometer. Number of readings according to clients' specification requirements shall be recorded in Painting inspection Report.

Elcometer shall be calibrated daily before use according to approved procedure.

If the result of DFT is varying from the specified value or if any defect is observed on paint surface it shall be sent for rectification.

Rectification of paint defects shall be carried out according to the instructions of Inspector.

After satisfactory completion of painting inspection, material shall be offered for client's representative, if necessary, according to contractual agreement for carrying out random paint inspection.

10.10.3. Records

All the results of inspection and tests shall be recorded and retained with other related documents according to standard format documents control.

The identification number of measuring instruments used for inspection and test shall also be recorded on the Inspection Reports.

These Inspection Reports shall be reviewed and approved by Q.A./Q.C. Engineer and shall be documented according to the Chapter, Document Control.

10.10.4. Feed-Back

All evidence and Inspection Reports related to quality of items that have been revealed throughout inspection and test shall be fed back to concerned departments.

10.10.5. Facilities for Tests & Inspections

The Manager of staff and section in charge of test and inspection shall be responsible for planning, arrangement and maintenance of facilities for tests and inspections.

11. MEASURING CONTROL AND TESTING EQUIPMENT

11.1. Scope

This chapter identifies the responsibilities for the control of measuring and test equipment, including measuring tools, gauges. In the works measuring and test equipment shall be periodically calibrated according to the instructions "Measuring Devices Calibration Control Procedure".

11.2. Responsibility and Authority

The Manager of Q.A. Department shall be responsible for the over all calibration/control of measuring and test equipment though the Quality Control Staff and maintenance/production staff providing that personnel using equipment have been instructed in the proper procedures for use and maintenance.

The Q.C. Engineer shall be directly responsible for calibration of measuring devices and maintaining reference standards used in the shop floor.

11.3. Mechanical & Electrical Measuring Equipment

The Manager of Q.A. Staff shall be responsible for the control and calibration of mechanical equipment as follows:

Maintaining master list of mechanical & electrical measuring equipment used for production.

Establishing calibration plan for mechanical & electrical measuring equipment according to the requirements.

Doing calibration of equipment according to the calibration plan.

Preparing & maintaining equipment calibration records according to enclosed format.

11.4. Reference Standards

These standards shall be maintained in the calibration laboratory and shall be used to calibrate measuring equipment and working standards.

11.5. Working Standards

The working standards used as Standards for calibration of equipment shall be traceable to the Reference Standards.

11.6. Equipment Calibration

All measuring and test equipment shall have calibration label attached and shall be calibrated according to the specified time schedule.

Instrument Calibration Records shall be maintained for all measuring & test equipment. They shall contain the following information:

a. *Instrument Identification*

b. *Manufacturer*

c. *Calibration due dates*

d. *Required accuracy*

e. *Location assignment*

f. *As-found condition*

g. *Calibration results*

h. *Sign/Stamp and dates of person conducting calibration*

i. *Standard used for Calibration*

12. NON-CONFORMANCE AND CORRECTIVE MEASURES

12.1. Scope

This chapter identifies the responsibilities, and describes the measures established to control Materials and items that do not comply with specification or drawing or these Quality Manual requirements to prevent their inadvertent use.

12.2. Definition of Non-conformance

Nonconformity means any condition of material, item or services that do not conform to the drawing, customers' specification or to these Quality Manual requirements.

12.3. Responsibilities

The Manager of Quality Assurance Department shall be responsible for detection, control, disposition and correction of all non-conformances.

12.4. Non-conformity Notice

Non-conformance caused by works activities inside the factory shall be recorded on the 'MRN' (Material Rectification Note) or Nonconformity Notice for inside use and items shall be tagged or segregated in a separate area accordingly. Non-conformance shall be informed to the section supervisor concerned by the Inspectors to check.

12.5. Segregation

Tagged non-conforming items shall be segregated and held by Inspectors.

Incoming non-conformance items shall be segregated as Rectification, Rejection and suspension to the specified area.

Incoming Materials, either stock or outside purchases that do not conform to the order shall be returned to the vendor through the Inventory Control Staff to get proper replacement.

12.6. Measures

The Inspector at warehouse with the approval of Quality Assurance Manager is responsible to decide the disposition of the non-conforming items and to establish proper measures for prevention with the responsible Q.A./Q.C. Engineers.

The measures shall be written in MRN document with the acceptability of disposition that has the disposition "Repair" or "Use-as-is".

12.7. Customer/Clients Deviation

The Q.A. Manager through coordination Manager shall be responsible for information to the customer on critical deviations, with the disposition of non-conforming items classified as category "C".

12.8. Classification to Non-conformance

a. Category 'A'

If the items that have the disposition of "Repair" or "Use-as-is" are evaluated has no bearing on the designed quality level/specific requirements and a change of modification are made with the approval of related department.

b. Category 'B'

If the items with "Repair" or "Use-as-is" have some bearing on the designed quality level, but still have some allowance compared with the specific requirements of customer and/or with the guarantee performance, no information is made to customer.

c. Category' C'

If the items, with "Repair" or "Use-as-is" do not comply with the specific requirement and/or guarantee performance, the Manager of Q.A. Department through coordination Manager shall inform the fact to the customer and shall obtain an approval before making the decision for disposition.

12.9. Re-Inspection

The repaired non-conforming items shall be inspected again and decision making by the Q.C. Inspector and shall have approval by the Q.A. Engineer. Q.A. Manager shall review these results periodically.

12.10. Non-conformity Prevention

All MRN shall be forwarded the section supervisor for necessary action and for prevention of recurrence.

13. TRAINING

13.1. Scope

This chapter defines the responsibilities for the Training, Qualification and Certification of Personnel.

13.2. Responsibilities

The company CEO shall assume the overall responsibility for Training of personnel doing activities. It is the responsibility of each Department Manager to schedule and conduct Training for those individuals who completed Quality Assurance and/or does other activities affecting product quality.

13.3. Training

The Manager of each Department shall prepare the Training schedules and program to engage well-trained and qualified personnel for the job.

Personnel doing special processes requiring special skills or knowledge shall receive following training.

1. *Formal Induction Training conducted by STEEL HUB W.L.L.*
2. *On-the-job Training conducted by supervisor, experienced operator or other qualified personnel.*
3. *Besides above, all personnel in charge of Quality Assurance shall have pertinent knowledge on the Quality Assurance System.*
4. *The Manager of each department shall maintain the Training Record including the subject and training hours.*

13.4. Qualification

Personnel doing special processes shall be qualified by outside independent agency special processes such as Welder Performance, Welder Operators Qualification etc.

The Manager of each Department shall list the Qualification on their personnel. The List shall include the following:

1. *Educational background.*
2. *Experience in the same or related processes.*
3. *Satisfactory demonstrated performance and results of any tests or practical demonstration.*

13.5. Certification

The Q.A. Manager shall review the Training Records of qualified personnel and confirm if all requirements are satisfactorily met.

12. LANDMARK PROJECTS

PLASTICO FACTORY

1. **AREA – 7,300.00 SQ.M**
2. **LOCATION - HIDD**

HAVELOCK FACTORY

1 AREA – 13,300.00 SQ.M

2 LOCATION - ALBA

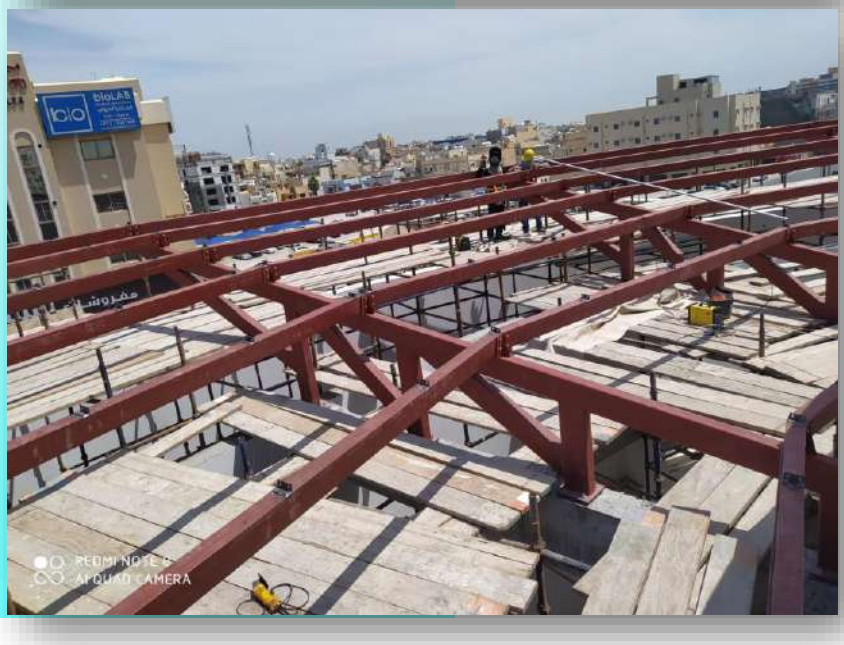
MARASSI GALLERIA MALL

1. **AREA OF ROOF SHADE – 6,350.00 SQ.M**
2. **LOCATION – DIYAR AL MUHARRAQ**

CAR PARK BUILDING

1 AREA OF CAR SHADE– 2,310.00 SQ.M

2 LOCATION – SALMANIYA MEDICAL COMPLEX



LEXUS SHOWROOM

1 AREA – 2,300.00 SQ.M

2 LOCATION – ARAD

FUTURE BANK

1 AREA – 1250.00 SQ.M

2 LOCATION – SEEF

MUHARRAQ MAJLIS

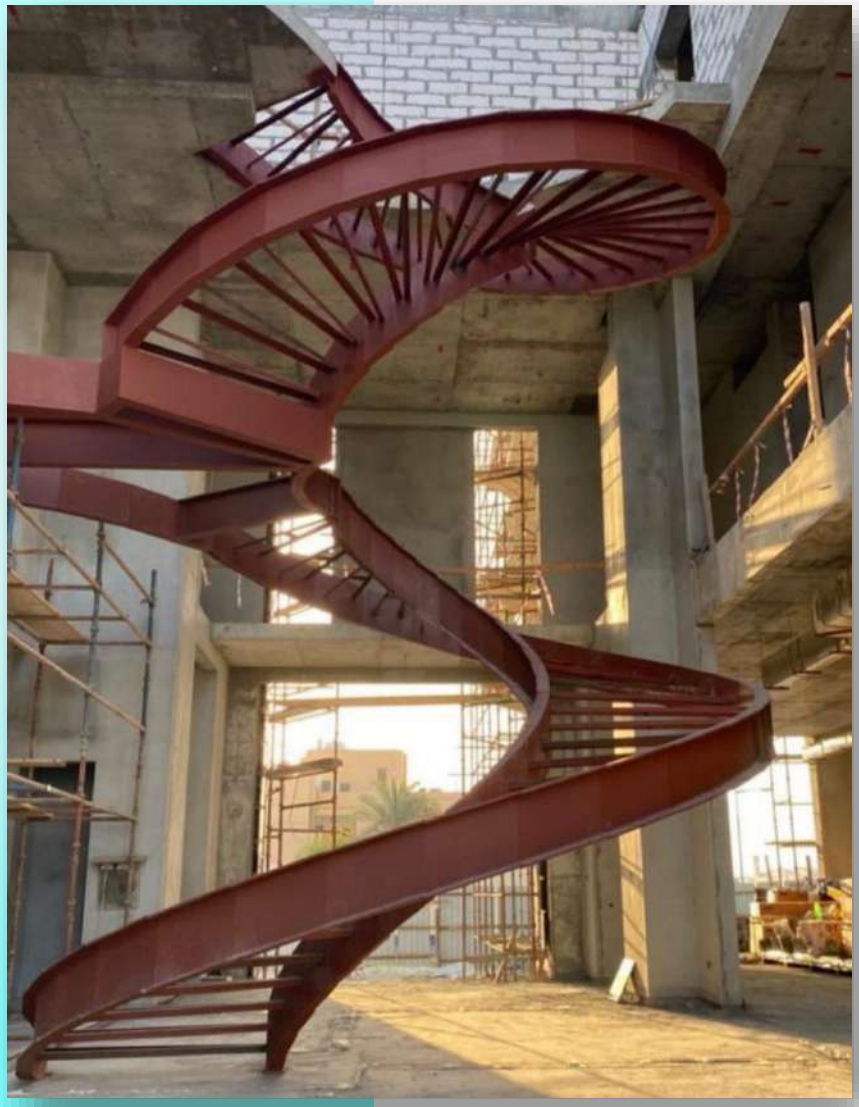
1 AREA – 1,500.00 SQ.M

2 LOCATION – BUSAITEEN

SPIRAL STAIRCASE

1 AREA – 1 NO

2 LOCATION – JARI AL SHEIK



SPORTS HALL

1 AREA – 640.00 SQ.M

2 LOCATION – MODERN KNOWLEDGE SCHOOL - JUFFAIR

WUAN STEEL MEZZANINE

1. **AREA – 1320.00 SQ.M**
2. **LOCATION – SAUDI CAUSWAY**

EWA 66 KV SUBSTATION

1. **AREA – 3 Nos**
2. **LOCATION – SITRA, RIFFA, GALALI.**

CANOPY-BAHRAIN DEFENCE ORCE

1. AREA – 180.00 SQ.M
2. LOCATION – RIFFA

PEB STRUCTURE – PUMP HALL - EWA

1. AREA – 980.00 SQ.M
2. LOCATION – HIDD & AL DUR

PEB STRUCTURE – PRIME MARKET

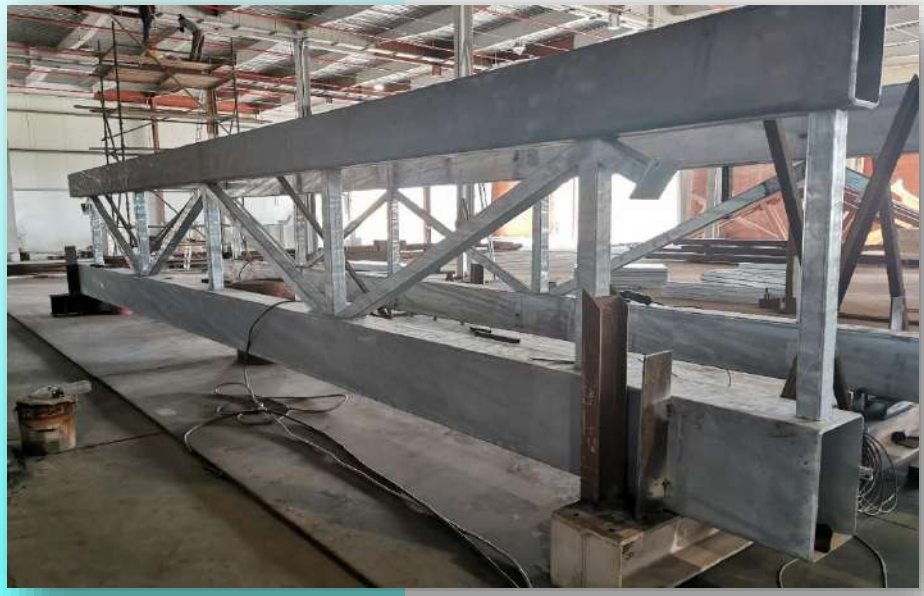
1. **AREA – 1320.00 SQ.M**
2. **LOCATION – DIYAR AL MUHARRAQ**

ADMIRAL TOWER – LIFT STRUCTURE

1. **AREA – 32 FLOORS**
2. **LOCATION – JUFFAIR**

SBH TOWER – ROOF STEEL STRUCTURE

1. AREA – 420.00 SQ.M
2. LOCATION – MANAMA



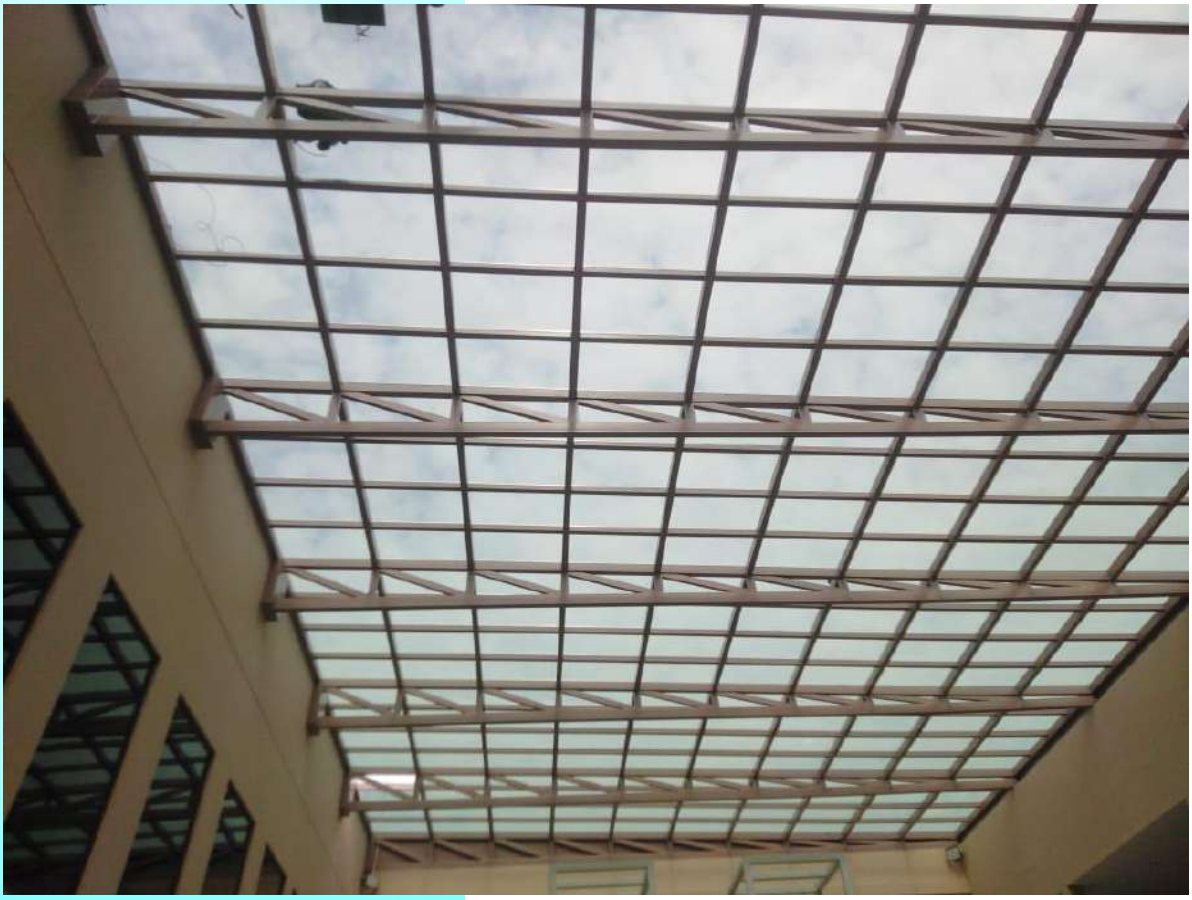
BAPCO MODERNIZATION PROGRAME – PHASE 1

1. **AREA – 12,300.00 SQ.M**
2. **LOCATION – ALBA / BAPCO**

MINI MALL – AL JUMAIRAH HOTEL

1. AREA – 480.00 SQ.M

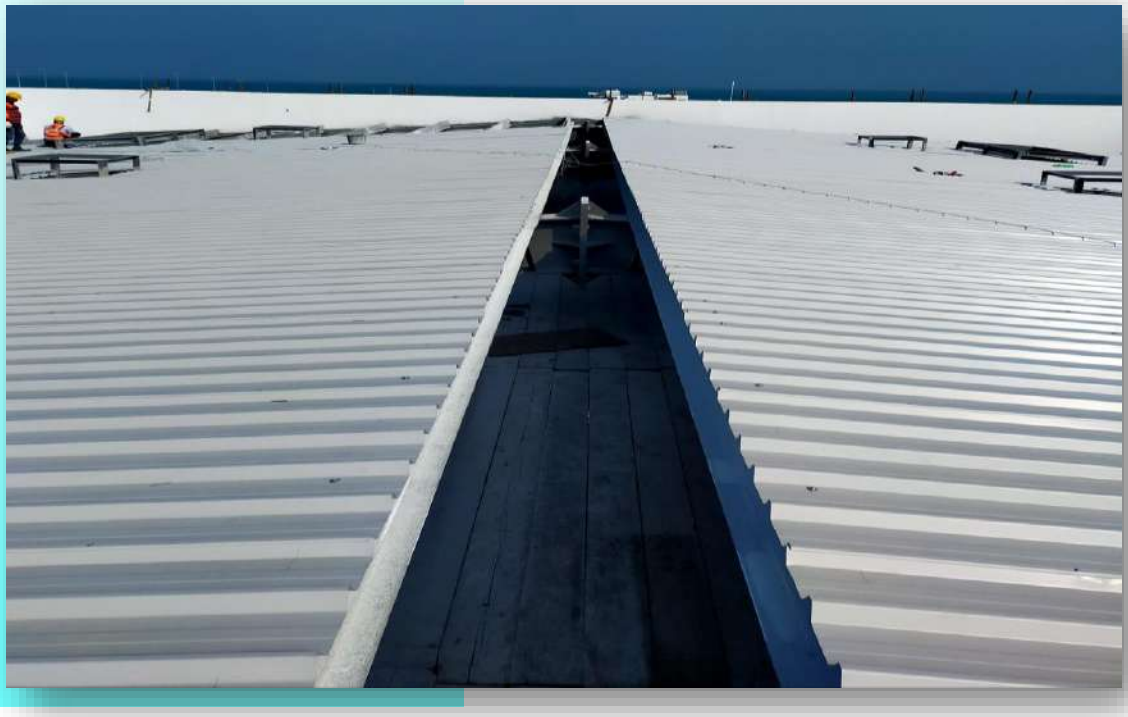
2. LOCATION – SEEF



NADEEN SCHOOL

1 AREA – 2800.00 SQ.M

2 LOCATION – DILMUNIYA



GAME HALL

1. AREA – 2650.00 SQ.M
2. LOCATION – ADHARI

MISCELLANEOUS

1. STAIRCASE
2. RAILINGS
3. GAS CABINET
4. BOUNDARY GRILL
5. CANOPY
6. LADDER









ENGINEERS CV

CURRICULUM VITAE

R.VIJAYARAMAN
B.E Mechanical Engineering
Tamil Nadu -621717,
India.
Mobile: +973 3947 2216
E-mail ID : vijay.dhashvanth@gmail.com

CAREER OBJECTIVE:

Managing day to day operational aspects of projects by effectively applying methodologies that enforce project standards and minimize exposure and risks on projects. Collaborative, team-oriented leader with ability to work in multicultural environments, meeting challenges and build relationships with all levels of people in industry.

EDUCATION:

- B.E. (Mechanical) from V.R.S College of Engineering and Technology, Villupuram in 2012 from Anna university Chennai with 7.3 (CGPA).
- H.S.C from Dhanalakshmi srinivasan higher secondary school in 2008.with 75.8%.
- S.S.L.C. from Government higher secondary school in 2006 from State Board with 63.15%.

WORK EXPERIENCE:

STEEL HUB W.L.L.

Designation	:	Operations Manager.
Duration	:	November'2017 to Present.
Job Profile	:	

Currently working in the field of Fabrication and installation of Steel buildings (Hot Rolled and Pre-Engineered Buildings), Indoor and Outdoor stadium, Ship maintenance, Hangers, Decorative metal Fences, Conical curve structure, Tensile Sheds, Platforms, Handrail and Doors.

WORK RESPONSIBILITIES & ROLE:

- Recruit, select, train, assign, schedule, coach, counsel, and discipline employees
- Communicate job expectations; planning, monitoring, appraising, and reviewing job contributions
- Plan and review compensation actions; enforcing policies and procedures
- Contribute operations information and recommendations to strategic plans and reviews; prepare and complete action plans; implement production, productivity, quality, and customer-service standards; resolve problems; complete audits; identify trends
- Forecast requirements; prepare an annual budget; schedule expenditures; analyze variances; initiating corrective actions

- Develop operations systems by determining product handling and storage requirements; develop, implement, enforce, and evaluate policies and procedures; develop processes for receiving product, equipment utilization, inventory management, and shipping
- Analyze and improve organizational process and workflow, employee and space requirements, and equipment layout; implement changes
- Maintain safe and healthy work environment by establishing, following, and enforcing standards and procedures; complying with legal regulations
- Update job knowledge by participating in educational opportunities; reading professional publications; maintaining personal networks; participating in professional organizations
- Accomplish operations and organization mission by completing related results as needed
- Meet or exceed operations labor budget expectations
- Manage staff levels, wages, hours, contract labor to revenues
- Responsible for all department managers and supervisors, with review/approval responsibility for all operations employees
- Run a safe, injury/accident-free workplace
- Responsible for all aspects of vehicle and heavy equipment rentals
- Establish contracts and pricing and ensuring proper maintenance and serving as primary liaison with utilities and local government agencies, such as fire, police, health, and safety agencies
- Manage relationships with key operations vendors
- Track vendor pricing, rebates, and service levels
- Review and approve all operational invoices and ensure they are submitted for payment
- Serve as primary point of contact when there are customer issues related to equipment quality, customer service, or accidents and mishaps on-site. In particular, this includes any issues on-site at client facilities, such as breaking a fence or tape residue on flooring
- Communicate customer issues with operations team and devise ways of improving the customer experience, including resolving problems and complaints
- Work closely with MD and management team to set and/or implement policies, procedures, and systems and to follow through with implementation.
- Communicate all operating policies and/or issues at department meetings
- Work closely with the inventory manager and team to perform analysis of our inventory and ensure we are utilizing our inventory effectively, purchasing the right equipment, maintaining solid inventory data, and reduce sub-rental expenses
- Communicate with legal counsel and safety department to ensure all processes remain compliant with OSHA health and safety regulations and other governmental regulations.

KEY Projects:

- Havelock One Factory at Askar.
- Bapco – BMP Modernization program.

- Plastico Factory at Hidd.
- Bahrain Aquarium at Marassi Galleria mall.
- Roofing / ETFE Structure - Marassi Galleria mall.
- Asry – Maintenance Works.
- Lexus Showroom @ Arad.
- Salmaniya Car Park Building.
- Pump Hall for EWA.
- Store for EWA & MOI.
- Muharraq Majlis @ Busaiteen.

AFCO STEEL FACTORY CO.,(MITWALLI GROUP), SAUDI ARABIA,

Designation : Factory Production and Planning Control Head.

Duration : April'2015 to October'2017

Job Profile :

Experienced in the field of Fabrication of Steel structures (Hot Rolled and Pre-Engineered Buildings "PEB"), Road bridge girders and other infrastructure, Structural fabrication & Industrial plant setup, PEB supports member and Mezzanine structure, Overhead Crane Girders, Tower support structure, Power sub grid station, etc. I have also done work on Railway station, Rail car shed, Metro rail substation, Indoor and Outdoor stadium, Airport, Hanger, Decorative metal Fences, Conical curve structure, Sheds, Platforms, Handrail and Window works.

PROFESSIONAL EXPERIENCE:

- Experience and satisfactory successful track record in the field of Metal Building Industry (Fabrication)**.**
- I have got opportunity to with some prestigious clients like DAR, Al Muhaidib, Saudi Electricity Company, Bin laden groups, MET Arabia, AFI cranes, ACE cranes and successfully completed following major Projects.
    1. King Salman International Convention Centre, located in Al Madhinah.
    2. King Abdul-Aziz international Airports, located in Jeddah.
    3. College Girls Bridge, located in Makkah.
    4. Tamer Hanger with 20000 Sq.M, located in Jeddah.
    5. M.E.T cranes. (more than 20 cranes with high capacity)
    6. ACE cranes. (More than 100 cranes and 10 Gantry cranes).
    7. Al Bakri Hotel, located in Jeddah. etc.
- Knowledge of PEB structural erection & detailing of general assembly (erection) drawings, shopdrawings & bill of materials (BOM) for built up or hot rolled pre-engineered steel buildings & structural steel buildings like flat roof, Transition, High rise, Multi gable, Lean-to, Valley, Curved,

Aircraft hangers clear span, Multi gable span, Mono slope, Roof system, Truss, Oval shape, Bridges, Car parks & Cut out buildings.

- Taking up assignments of Fabrication of steel buildings involving columns, Beams, Trusses, Gable frames, Purlins, Crane Girder, Bracing, Checkered plate forms, Cat walkways, Ladders and Staircase.
- Skilled in handling multifaceted projects involving planning, budgeting, monitoring progress and executing & controlling keeping compliance to preset timelines & cost parameter.
- Planning, monitoring the project, dealing with client for specifications, drawings etc., understand the contract, scope of work and billing.
- Preparation of Fabrication and Erection schedule to meet the target within planned time frame, manpower handling.
- Coordinate the site activities and communicate with sub-contractors, Project management, Procurement and Purchasing.

WORK RESPONSIBILITIES & ROLE:

- Finalized the contractor Quotations and issuing the work orders.
- Making the general plan according to the readiness of site and customer requirements.
- Manpower planning and scheduling.
- Verify the drawings and Issuing the job order with drawings to all the department supervisors (Preparation, Ft-Up, Welding and Painting).
- To make the MTO (Material Take Off) for the Projects.
- Ensure the materials availability and receiving.
- Prepare the Weekly production plan.
- Daily achieved the target of production**.**
- Prepare the production daily report and submitted to the Top management.
- Follow up the process by stage wise (Preparation, Ft-Up, Welding and Painting).
- To ensure the quality of the Raw material and Finished good materials.
- Control all the Production and Logistics activities.
- Conducted weekly production meeting.
- To satisfy the customer requirements and complete the project within the time frame.
- Organize the people in the site during erection.

DAEJOO AUTO INDIA PVT LTD. THIRUVALLUR,

Designation : Production Engineer.

Duration : June'2014 – March'2015

Job Profile : experience in the field of Fabrication of Steel and Pressing components.

SHC INDIA PVT LTD, KANCHHEPURAM.

Designation : Quality Engineer Trainee.

Duration : June'2012 – May'2014

Job Profile : 2 years of experience in the field of Fabrication of Steel and Pressing components.

WORK RESPONSIBILITIES & ROLE:

- Making the general plan according to the readiness of site and customer requirements.
- Manpower planning and scheduling.
- Prepare the Weekly production plan.
- Daily achieved the target of production**.**
- Prepare the production daily report and submitted to the Top management.

- Conducted weekly production meeting.
- To satisfy the customer requirements and complete the project within the time frame.

COMPUTER / SOFTWARE SKILLS:

1. **OPERATING SYSTEM**: Windows XP, M.S Office, Word, Excel, Power Point.
2. **PACKAGES**: Auto Cad, Tekla V19.0 (Detailing), Nesting (FICEP machine).

ACHIVEMENTS:

- Awarded by Top management for on time project execution and less than 2% of rejection in the Production.
- Achieved best ISO 9001-2008 Internal Auditor award in the year of 2015.

PERSONAL DETAILS:

Name	:	R.Vijayaraman
Father's Name	:	K.Rajendran
Date of Birth	:	05-06-1990
Sex	:	Male
Marital Status	:	Married
Nationality	:	Indian
Languages Known	:	English, Tamil (R/W/S), Hindi (Basic), Arabic (S).
Passport No	:	L6777255
CRPEP No	:	EPP/C2558/ME/02

Place : Bahrain

yours faithfully

(**R.VIJAYARAMAN)**

Mansur Sheikh

mansur.subhan@gmail.com | Bahrain - 973 3458 2816

PROFESSIONAL SUMMARY

I am an Estimation Manager with over 17 Years of Middle East experience in Industrial & Commercial Projects. I am looking for a challenging role in Estimation & Operations within which I would aim to build and lasting contribution toward the overall organization's financial goals and strategic objectives.

SKILLS

▪ Estimating	▪ Accuracy & Precision
▪ Project Management	▪ Problem Solving
▪ Collaboration	▪ Purchasing & Negotiation
▪ Technical	▪ Cost Control
▪ Time Management	▪ AutoCAD, Micro Station, Tekla
▪ Strategic Planning	▪ MS Office, PowerPoint, LiemarX ERP

WORK HISTORY

Nov 2023 – Current **Estimation Manager** Steel Hub WLL (AlGhanah Group) Bahrain Ref. Mahmoud AlGhanah - MD	▪ Review tender documents, Identify areas of risk & concern, Understand Project requirement, Co-ordinate with Suppliers & Sub-contractors to get comprehensive quote and Compile accurate cost estimates as per industry standard, Submit, Follow-up & Finalize bid after discussing with higher management.
Nov 2021 – July 2023 **Estimation Manager** N.P. Constructions India Ref. Pradeep N.P. - MD	▪ Job description same as Frijns Steel Constructions
April 2010 – Nov 2020 Estimator & Purchaser till 2014 **Estimation Manager** Frijns Steel Construction Middle East Qatar Ref. Rob Frijns - MD	▪ Reviews tender documents to determine estimate costs and understands opportunities and risk and their order of magnitude. ▪ Preparing accurate pricing of estimates with the proper level of detail including Material, Wastage, Fabrication Man hours, Coating, Installation and Present estimates to management. ▪ Soliciting sub-contractor's bids and material supplier quotations and determines acceptable bids by comparing to self-perform estimates.

	▪ Analyzing various quotes from different subcontractors and suppliers at negotiated rates to win competitive contracts while keeping a close eye on profit margins. ▪ Evaluating cost effectiveness of Projects. Tracking actual costs relate to bids as the project develops maintaining the project cost history. ▪ Attending project site pre-bid meetings, Site visits and post-bid meetings as required ▪ Identifying and evaluating all the technical issues that are related to projects ▪ Overseeing the soliciting of vital information for cost estimates to efficiently deliver optimized services. ▪ Collecting historical cost data to estimate costs ▪ Developing cost estimates for Change/Variation orders. ▪ Ensures the flow of project information is maintained and documented. ▪ Actively participating in industry, Client and Community relations to enhance company image and to develop and maintain effective relationships.
April 2004 – Feb 2010 Production Engineer till 2007 **Production Manager** Arabian Industrial Engineering Co. (ARABTEC) Oman Ref. Fahad Muharzi – MD	▪ Supervising the manufacturing processes, ensuring quality work is done in a safe, efficient manner. ▪ Liaising with other engineers to develop plans that improve production, costs, and labor required. ▪ Diagnosing problems in the production line and providing recommendations and training. ▪ Keeping abreast of advancements in engineering and production, and sharing knowledge with co-workers. ▪ Identifying, documenting, and reporting unsafe practices. ▪ Drawing up production schedules and budgets for projects. ▪ Scheduling meetings with relevant departments and stakeholders.
Jan 2000 – Feb 2004 **Mechanical Draughtsman** Federal Engineers India Ref. Manoj Menon – MD | Zubeen Buhariwala - Partner	▪ Create technical drawings, manufacturing schematics and 2D and 3D digital models of mechanical equipment designs, using measurements, specifications and additional data from engineering team. ▪ Collect initial drawings, Calculations and design ideas from engineers and combine all relevant data into coherent and complete initial design models for review and modification. ▪ Annotate and verify all numerical designations and specifications in technical drawings and schematics, using both CAD programs and manual calculations when necessary.

QUALIFICATION

Nov 1998
Diploma in Mechanical Engineering
M.H. Saboo Siddik Polytechnic

ACCOMPLISHMENT

Client	**Project** (Qatar)	**Scope**	**Qty.**
CCC	N.D.I.A. Const. Pkg. 93, 95 & 96	Gen. Aviation Hangars & Terminal, Administration Bldg., Satellite Fire Station Bldg.'s.	2,300 tons
CCC	Mesaimeer Pedestrian Bridge Project.	Pedestrian Bridges 4nos. (25m L x 4m W x 4m H)	900 tons
QDVC	Doha Air Base Project	Maintenance Hangars (120m L x 77m W x 16m H)	3,500 tons
QDVC	Lusail LRT System Project	15 (Nos.) Light Rail Transit Stations.	1,200 tons
AKTOR	AlSadd Sports Club Project	Roof Heavy Trusses & Ceiling Suspended Catwalks	3,200 tons
FYAP	Doha Metro Station Project	Al Wakra, Ras Bu Fontas & Economic Zone Metro Station Buildings.	4,200 tons
HLG/AJE	New Orbital Highway Project	Highway Gantries (Portal & Cantilever)	1,400 tons

PERSONAL INFORMATION

Date of Birth: 16-09-1979
Nationality: Indian
Marital Status: Married
Passport: S9831918 (Valid till 11/2028)
Driving License: Bahrain

TECHNICAL ENGINEER- MECHANICAL

SABIN D. S
East Riffa, Bahrain.
Mobile: +973-32061550
E-mail: dssabin@gmail.com

- **TECHNICAL**
- **ESTIMATION**
- **DRAFTING**
- **STRUCTURAL STEEL FABRICATION**
- **STRUCTURAL STEEL ERECTION**
- **PROJECT COORDINATION**

Education

- **Master of Business Administration (Production technology)2013**
  Madurai Kamaraj University, Tamil Nadu, INDIA.
- **Bachelor of Engineering (Mechanical)2009**
  Ponjesly College of Engineering, Anna University, Tamil Nadu, INDIA.

Professional Synopsis

Competent Mechanical Engineer with 9+years of professional experience in Estimation, Project coordination, Drafting, fabrication & erection of Steel structures,Warehouses,,Walkway,Bridge,Staircase,Mezzaninefloors,Handrail, Roof structures, Canopy ,Shade structures ,fencing & miscellaneous steel works .

Employment History

- **Concern : STEEL HUB WLL**
- Designation : Technical Engineer
- Duration : July 2023 – Current

- **Concern:** **Al Ahlia Contracting company W.L. L, Bahrain.**
- Designation: Mechanical Engineer
- Duration: 13 November 2020 to 14 May 2023

- **Concern:** **Gulf fencing & Specialist surfacing Est. W.L.L., Bahrain**
- Designation: Mechanical Engineer
- Duration: 03 December 2017 to 28 December 2018
- **Concern:** **Alahlam technical & Construction services, Bahrain**
- Designation: Project Engineer-Mechanical.
- Duration: 07 March 2013 to 20 September 2017

- **Concern:** **Imperial trading & contracting company, Qatar**
- Designation: Site Engineer -Mechanical
- Duration: 07 November 2009 to 08 February 2012

Duties & responsibilities

- Supporting the engineering team during planning, design, development, installation, maintenance, and troubleshooting processes.
- Analyzing existing systems and operations and developing preventative maintenance strategies.
- Identifying potential problems and notifying the relevant stakeholders in a timely manner.
- Monitoring processes, workers, and methods, and developing plans for increased efficiency.
- Conducting required research and developing best practices.
- Coordinating with other Engineers and crew members to ensure quality products are completed on schedule.
- Performing quality control on all projects, writing reports, and making recommendations for improvement.
- Coordinating with internal /external auditing team to maintain the standard procedure.
- Coordinating with QS, Production and Project teams to make sure the specification of respective projects.
- Attending site visit and prepare estimation as per tender drawing and BOQ.
- Dealing with clients, sending RFI, Technical meetings and negotiation.
- Preparing documents like Job cards, WPS,, Inventory,Pre-qualification, Inprocess,Incoming,Final Inspection reports.
- Preparing and submitting Quotation, Project schedules, Technical data (MOS, ITP, WP, RA) as per RFQ and specification.

- Coordinate with design department for the submission of shop drawing and structural design calculations.

- Preparation of bill of material (BOM) list according to approved drawings, making material purchase.
- Explaining job details & drawings to supervisors, machinist, fabricators etc.
- Awarding sub contracts and making co-operation with them at site.
- Exposure in Aluminum smelter(ALBA), its working procedure, sections and safety.
- Able to handle Production, Planning, Procurement, QC, Maintenance Projects.
- Familiar with machines like Lathe, Hydraulic and pneumatic press, Shearing, Rolling, Milling, Boring etc.
- Knowledge in control valves and flow controlling valves.
- Able to handle all types of metal works- Fabrication and installation of Roof structures (Column, Truss, Rafter and Purling) and Structural (Platforms, Staircase, mezzanine floors and Hand railing).
- Handling production relative activities and day to day Shop floor Production planning and control.
- Witnessing Joint FIT –UP inspection before welding.
- Arranging third party inspectors for NDT test.
- Safety parameters, ISO Permits, HSE, JSP, MSDS, PPE tool box talk & preparing documents.
- Final inspection and handing over of projects
- Invoicing as per job completion and follow ups
- Maintain WPS & PQR.
- Preparation of daily and monthly production statement and report to Project Manager
- Interview & test for new supervisors ,machinist ,fabricators, welders etc

HSE & Job Practice

- Daily 5 min talk on safety on various topics.
- Conducting & attending safety meetings, mock drills, demonstrations.
- Communication about Lost time injury (LTI), near misses and fatal accidents.
- Giving training and making documents on job safety practice (JSP) & Material safety data sheet (MSDS).

Personal Information

Nationality	:	Indian
Birth date	:	10th Sep 1986
Gender	:	Male
Marital status	:	Married
Religion	:	Christian
Passport No	:	N2770613
Driving License	:	Bahrain valid Driving License
CRPEP License	:	EPP/C2244/ME/01-C

Software Skills

- Office Tools **:** MS-Office, MS Excel, MS Projects, AutoCAD 2019

Lingual Proficiency

Able to read, write and speak **English, Hindi, Malayalam & Tamil**.

DECLARATION

I hereby declare that all the details furnished above are to the best of my knowledge.

SABIN D.S

COMMERCIAL REGISTRATION CERTIFICATE

Ministry of Industry and Commerce

وزارة الصناعة والتجارة

شهادة قيد السجل التجاري
Commercial Registration Certificate

The Registration Directorate at the Ministry of Industry and Commerce certifies that the merchant's below details have been registered in accordance with Decree law No. (27) for the year 2015 of the Commercial Registration.

تشهد إدارة التسجيل بوزارة الصناعة والتجارة بأنه قد تم قيد التاجر المسجلة بياناته أدناه وذلك وفقاً للمرسوم بقانون رقم (27) لسنة 2015 بشأن السجل التجاري.

Due Date	06/10/2025	تاريخ الاستحقاق	Registration Date	06/10/2020	تاريخ القيد	Registration No.	140650 - 1	رقم القيد
Group Name	STEEL HUB W.L.L			ستيل هب ذ.م.م				اسم المجموعة
Commercial Name	STEEL HUB W.L.L			ستيل هب ذ.م.م				الاسم التجاري
Registration Type	With Limited Liability Company			شركة ذات مسئولية محدودة				نوع القيد
CR Status	ACTIVE			نشطة				حالة القيد

Commercial Address	P.O.BOX ص.ب	Area المنطقة	Block مجمع	Road طريق	Building مبنى	Flat/Shop No. شقة/محل	العنوان التجاري
	2510	RAS ZUWAYED / راس زويد	952	5225	1259ا	0	

Activities	الأنشطة
Manufacture of structural metal products - Factory	صنع المنتجات المعدنية الإنشائية - مصنع

* This CR does not permit its holder to practice investment activities on behalf of others.

* هذا القيد لا يجيز لصاحبه بمزاولة نشاط استثمار أموال الغير.

إدارة التسجيل

Registration Directorate

Q.F. 409 Issue 0

Issued Date: 24/10/2024

Please post this certificate at a visible place.

يرجى تثبيت هذه الشهادة في مكان بارز داخل المحل.

Tel: +973 80001700 - www. sijilat.bh - www.moic.gov.bh

PROJECT REFERENCE DOCUMENTS

M/S STEEL HUB W.L.L
P.Box 2510, Manama
Kingdom of Bahrain.

To Whom It May Concern:

We writing this letter to thank your company, STEEL HUB W.L.L., for the job well done on the Marassi Al Bahrain Project. Within the FIVE months of the construction project, your company has shown diligence and dedication to finish work in time, which greatly benefited other pending projects we are handling. Even though there have been several construction problems and a delay during the course of the project, your company was able to maintain the efficiency of the schedule.

Your attention to the specifics of the Steel Structure design as well as proper scheduling of fabrication and installation has been very remarkable, resulting to a job well done. Again, we would like to express our gratitude in providing your 100% in completing our project. We hope that this would be the start of our continuous relationship and future success.

Please feel free to contact us at any time.

كارفاساد
KARFACADE
KARFACADE CO. W.L.L
C.R. No. 110041-1

Plastico Bahrain

Ref. No 185

FROM

PLASTICO FACTORY

TO

M/S STEEL HUB W.L.L

P.Box 2510, Manama

Kingdom of Bahrain.

To Whom It May Concern:

I am writing this letter to thank your company, STEEL HUB W.L.L., for the job well done on the PLASTICO FACTORY project site. Within the FIVE months of the construction project, your company has shown diligence and dedication to finish work in time, which greatly benefited other pending projects we are handling. Even though there have been several construction problems and a delay during the course of the project, your company was able to maintain the efficiency of the schedule.

Your attention to the specifics of the Steel Structure design as well as proper scheduling of fabrication and installation has been very remarkable, resulting to a job well done. Again, I would like to express my gratitude in providing your 100% in completing our project. I hope that this would be the start of our continuous relationship and future success.

Please feel free to contact me at any time.

Fatema Al-Gafood

Purchase Manager

Plastico Bahrain

+ 973 66 3166 44
+ 973 13 6166 44
info@plasticobh.com
P. O. Box 22295
Kingdom of Bahrain

مجموعة بوخوة ذ.م.م
BOKHOWA GROUP W.L.L.
مقاولات . تجارة . عقارات
CONTRACTING • TRADING • REAL ESTATE

P.O. Box: 5422 ص.ب: ٥٤٢٢
Manama, Kingdom of Bahrain المنامة، مملكة البحرين
Tel: (+973) 1725 9980 هاتف: ١٧٢٥ ٩٩٨٠ (٩٧٣+)
Fax: (+973) 1725 6836 فاكس: ١٧٢٥ ٦٨٣٦ (٩٧٣+)
E-mail: info@bokhowagroup.com البريد الإلكتروني:

Ministry of Interior
Works Directorate
05 JUN 2021
RECEIVED

June 03, 2021
BG/MOI-STORE8/MO-083/21

The Director
Works Directorate
Ministry of Interior
P. O. Box 13
Kingdom of Bahrain

Attn. **Engr. Mohammad Tajuddin**
Acting Head of Projects Division

Project: **Job No. 118459/B**
Proposed Extension to Store No-8 at Safra

Subject: **Proposed Subcontractor - Pre-Engineered Building**
M/s Steel Hub W.L.L.

Dear Sir,

We are proposing **M/s Steel Hub W.L.L.**, office located at Road 5222, Building 1052, Block 952, Ras Zuwayed, Kingdom of Bahrain, as our Subcontractor for Pre-Engineered Building Works for the above project.

Their company profile/PQ is enclosed herewith for your necessary actions.

SCANNED

Looking forward of your favourable approval.

Thanking You,

Yours faithfully
For Bokhowa Group W. L. L.

M/S Bokhowa

Ministry of Interior Works Directorate
APPROVED
Approval of items does not relieve the contractor from complying with all the requirements of the contract terms, specifications and project design

7/6/2021

7-6-21

Anis Kumar Gupta
General Manager

Encl.: Company Profile

SCANNED

HAVELOCK ONE
Consider it done

Date : August 25, 2021

To Whom so-ever it Concerns.

We take the pleasure in being associated with M/s Steel Hub S.P.C for manufacturing and installation of metal work to our satisfaction. Recent project we have awarded to them is Havelock One New factory and Warehouse Steel building @ Askar, in addition we subcontract many other architectural metal works such as canopies, secondary structural steel work etc.

We found them to be totally professional through all aspects of such works i.e., design, structural analysis, fabrication, quality control and finally installation.

We look forward to working with them in the future and hope they will continue to provide such excellent service to us.

Best Regards,

Imran Dawawala

Operations Manager – Metal Division.

DYNAMIC CONSTRUCTION

Date: 24th August 2021

STEEL HUB WLL
P.O. Box 2510
Manama
Kingdom of Bahrain

Attn. : **Mr. Vijayaraman R - Operations Manager**
Project : **Refurbishment of Lexus 3S at Arad**

Dear Mr. Vijayaraman,

We, Dynamic Construction would like to extend our appreciation towards a successful completion of Project - Refurbishment of Lexus 3S situated at Arad, Kingdom of Bahrain with great efficacy. The work executed by yourself in the completion of this project is truly commendable. We appreciate your efforts and professionalism by which you have completed the project on its time frame.

We wish that you continue your spirit in the upcoming projects as well.

Wishing you all the best for your future endeavors.

Yours sincerely,

Andreas Pernaros
General Manager

C.R No 49366-1
DYNAMIC CONSTRUCTION
Kingdom of Bahrain

نسما للمياه و الطاقة
Nesma Water & Energy

المؤيد للمقاولات
Almoayyed Contracting

P.O. Box 32571, Bahrain. Tel: 17404949 Fax. 17402639
E-mail : contracting@almoayyedcg.com

Letter of Intent

From	**Daren Figueredo** Manager – Operations – ACG	To	M/s. Steel Hub W.L.L. **Attn: Mr. Vijay** **Operation Manager**
Ref. No.	NA/NAPP0001/0010/2021	Fax No.	16100361
Date:	12/07/2021	Mobile:	39472216

Project: Water Distribution Station Package EPC 2
Subject: Design, supply and erection of Pre-Engineering Building Steel Structure

With reference to your Quotation Ref. No. SH/CO/20/241 Rev. No. R3 (Option 1) dated 27/06/2021 dated and the discussions held, we are intending to award you the subject work as per the attached annexure for an amount of **BD. 33,500/-** (Bahraini Dinars Thirty three thousand five hundred only), subject to the approval of your materials and drawings by the Consultants.

This LOI and further release of formal Subcontract Agreement is subject to approval by Consultant/Client. You will be required to sign a Subcontract Agreement with us in due course. You are requested to submit the material submittal immediately and the shop drawings all as per the contract requirement. Works to be completely carried out as per Contract requirement, strictly complying with all the rules, regulations and laws of the Kingdom of Bahrain and more particularly the Labour Laws/LMRA and all HSE as per project requirements and to the approval and satisfaction of the Main Contractor/Consultant/ Client.

Terms and conditions

- Payment
  20% advance against company guarantee cheque signed by Authorized personnel.
  Balance against progressive invoices.
- Performance Bond by company guarantee cheque signed by authorized personnel.
- 10% retention is applicable.

For any clarification/information and the work schedule for the above project, please contact our Project Manager, Mr. Owais Gilani on mobile No. 34032571.

Please sign and return a copy of this LOI as a token of your acceptance.

Regards,

Nawaz Khan
Technical Manager – NESMA

13.07.2021
Daren Figueredo
Manager – Operations – ACG

Accepted as above

for Steel Hub W.L.L.

Cc: Mr. Murali Menon, GM - Commercial - ACG
Mr. Ebad Lodhi, Procurement Supervisor - NESMA
JV Co-Signers

STEEL HUB W.L.L

MAJOR COMPLETED PROJECTS

MAJOR COMPLETER PROJECTS

SL NO:	CLIENT	PROJECT	CONSULTANT	PROJECT VALUE (BHD)
1	BAREEQ AL RETAJ	AMERICAN INTERNATIONAL SCHOOL	GULF HOUSE ENGINEERING ARCHITECTS & ENGINEERS	80,500.000
2	PLASTICO BAHARAIN	PLASTICO FACTORY	MASTHAN	235,000.000
3	EDAMAH BAHRIN REAL ESTATE INVESTMENT	CAR PARK BUILDING @ SALMANIYA	MOHAMMED AL GHARIB ARCHITECTS ENGINEERS	168,300.000
4	AMLAK	13 STOREY TWIN TOWER @ BUSAITEEN (BURJ AL SAYA)	GULF HOUSE ENGINEERING ARCHITECTS & ENGINEERS	83,000.000
5	EAGLE HILLS	MARASSI GALLERIA MALL	PARSONS	95,000.00
6	HAQBAZ REAL ESTATE.	29 STOREY RESIDENTIAL BUILDING @ JUFFAIR (SAMA TOWER)	TAMEER ENGINEERING	33,800.150
7	HAVELOCK AHI W.L.L AL KHALIFA	HAVELOCK FACTORY @ ALBA.	MAZEN ALUMRAN CONSULTING ENGINEERS	173,000.000
8	AMA INTERNATIONAL SCHOOL BAHRAIN	ATHENA PRIVATE SCHOOL FOR SPECIAL EDUCATION.	THE MODERN ARCHITECT	53,500.000
9	MR. SHEIK KHALID	WUAN BUILDING	ISMAIL KHONJI ASSOCIATES	43,200.00

10	EDAMAH BAHRIN REAL ESTATE INVESTMENT	SA'ADA DEVELOPMENT	GULF HOUSE ENGINEERING ARCHITECTS & ENGINEERS	143,500.000
11	MINISTRY OF TRANSPORTATION & TELECOMMUNICATION	BAHRAIN INTERNATIONAL AIRPORT	ADPI	53,500.000
12	MS. PARVEEN AGHA ISMAIL KAZERONI	MODERN KNOWLEDGE SCHOOL	ELEVATIONS	38,500.00
13	FIRST KUWAUT AL SEEF REAL ESTATE DEVELOPMENT CO. WLL	RETAIL SHOP & JARIR BOOK STORE	DESIGN STUDIO - ARCHITECTS	39,100.000
14	ELECTRICITY AND WATER AUTHORITY	RENOVATION OF CO4 WAREHOUSE AT SITRA	EWA	34,000.00
15	BAHRAIN DEFENCE FORCE	CARDIAC CENTRE	ATKINS	28,700.00
16	H.R.R PROPERTIES	ADMIRAL TOWER	ARAB ARCHITECT	73,000.00
17	NASS CONTRACTING	BAHRAIN NEW ROYAL TERMINAL	GULF HOUSE ENGINEERING	282,000.000
18	AL SABAH CONSTRUCTION CO WLL	BAHRAIN FLOUR MILL	IKA	159,418.100
19	KARFACADE	NECC BAHRAIN	PACE	34,556.346
20	ALGHANAH ALUMINIUM WLL	SHERATON HOTEL REFURBISHMENT	GHE	119,388.081

MAJOR ON-GOING PROJECTS

MAJOR ON-GOING PROJECTS

SL NO	CLIENT	PROJECT	CONSULTANT
1	GREEN INNOVA	SOLAR CARPORT AT CITY CENTER	VDE
2	CEBARCO	THE EXPANSION OF TUBLI SEWERAGE TREATMENT PLANT	JA KEO INTERNATIONAL / p2m MIDDLE EAST
3	ALGHANAH ALUMINUM	AVENUES BAHRAIN PHASE 2B	MSCEB
4	ALGHANAH GROUP	MARASSI VISTA – PLOT 06	GHE
5	NESMA-ALMOAYYED JV	WATER DISTRIBUTION STATION (EPC 2)	ATKINS
6	IACOVOU CONSTRUCTION (BAHRAIN) W.L.L	QALALI BEACH PROJECT	MILLET INTERNATIONAL
7	SALEH ABDULLA KAMESHKI	SITRA PETROL STATION	BEB