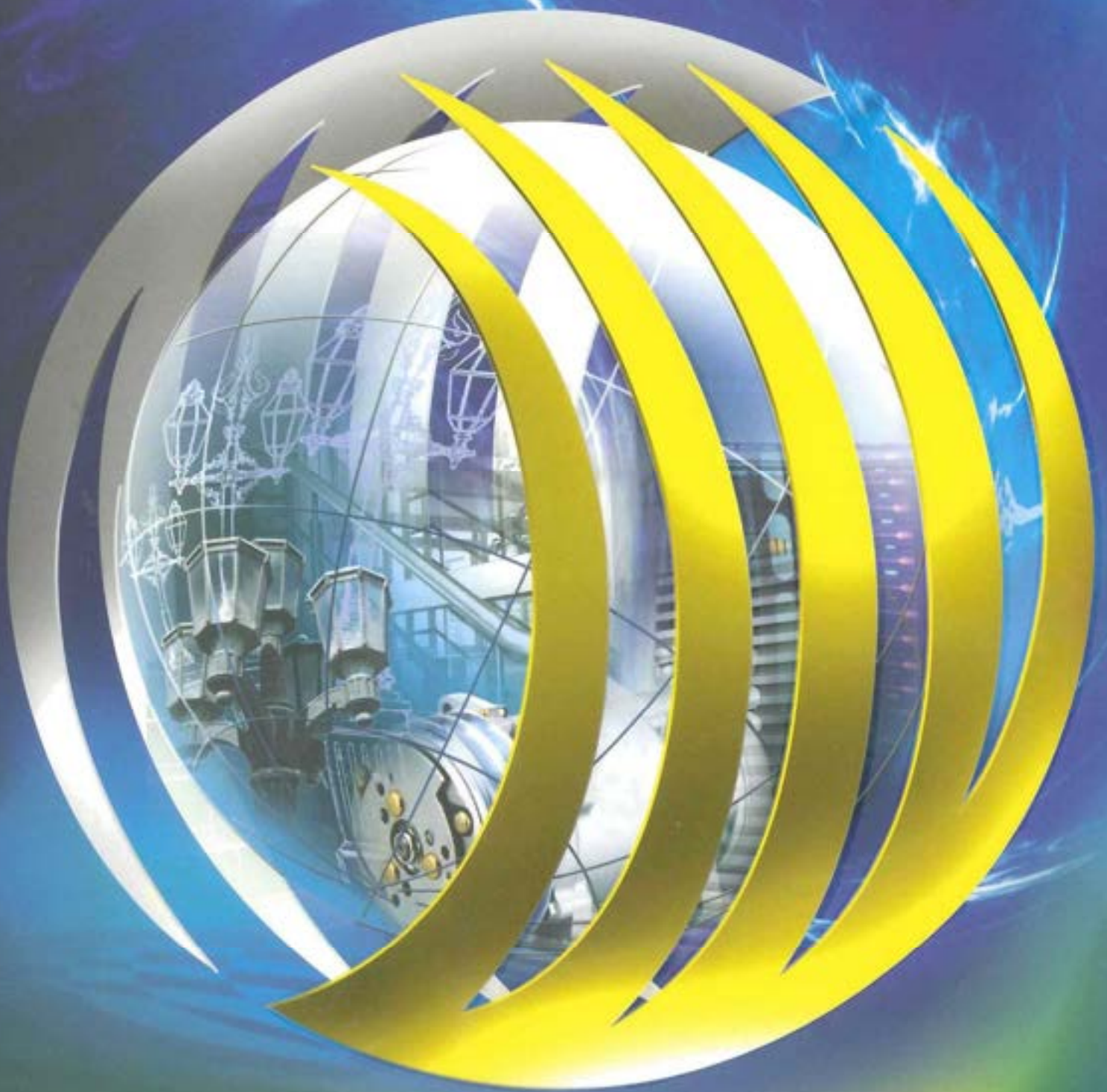


LEADING MEP CONTRACTOR



DIPLOMAT GROUP

| New Directions. New Dimensions |





DIPLOMAT GROUP

Diplomat Group was established in the United Arab Emirates in the year 1990. Starting as an Air Conditioning specialist, the Company expanded into fields of Building Construction Turnkey Electro- mechanical Installations and Environment Control Engineering and has made a constructive contribution to the growth of United Arab Emirates.

Diplomat is one among the leading ISO 9001:2008 Companies, having over two decades of hands on experience in the field of complete Construction facilities. Diplomat prides itself on the quality and efficiency of Workmanship it delivers.

With a reputable history maintained over the many years in the industry, professional relationships built as well as the networks made with the various trade services, has allowed Diplomat to deliver each Project, on time, on budget and of the finest quality standards that we set to be achieved.

Diplomat maintains the skills and levels of competence required to achieve complete construction from start to finish, offering advice, Design, Engineering, Construction and Project delivery, we ensure that each element from concept to completion is accurately assessed to provide a tailored solution to the development of the Project within the Budget.



DIPLOMAT GROUP

With the Group's commitment to Quality, On Time Project Completion and Service Excellence, Diplomat, today is geared to meet the ever-growing challenges. Diplomat has the capability and expertise to design and execute a wide spectrum of installations:

- Central Air Conditioning and Ventilation Systems for Commercial and Residential Complex, Clubs, Hotels & Restaurants, Banks and other Industrial Applications
- All types of Electrical Installations
- Plumbing and Drainage Works
- Building Management Systems
- Communication Systems
- Fire Protection Systems
- Civil Construction Works
- Fabrication & Erection of all kinds of Structural Steel Works (including Tanks, Vessels, Ducts, Chutes, etc.)
- Cold Rooms and Cooling Chambers for Hypermarkets, Hotels, Restaurants Hospitals and Industries
- Kitchen Extract, Outdoor and Smoke Control Systems for Hotels, Restaurants, Fast Food Outlets, Commercial & Residential Complexes & Buildings
- Pollution Control Systems for Industries (Air & Water), Wastewater Treatment, Sewerage Treatment, Dust Control, Fume



PROFILE FOR MEP WORKS



DIPLOMAT MEP

Diplomat MEP, the flagship of the Group, is one among the leading ISO 9001:2008 Certified Electro Mechanical Contracting Companies in the region and has been successfully carrying out multifaceted projects for the past two decades.

The Company specializes in the Electrical, Air Conditioning, Plumbing and Fire Fighting Works and is supported with the state of the art duct manufacturing facility. This facility is equipped with machineries, capable of handling fabrication works right from Aluminum, Stainless Steel and Sheet Metal and manufacture ductworks to any size meeting International Standards.

Another Division of Diplomat is the Service Maintenance Department to Undertake maintenance of the Buildings.

A. Air Conditioning

Diplomat is fully capable to cater to the needs of the Client for Air Conditioning works of any magnitude. The dedicated and experienced technical teams of Engineers at Diplomat guarantee the Client total satisfaction. They establish effective communication with the customer, fully understands the needs and then give clear, concise and consistent advice on Design, selection and installation of equipment and systems. They use powerful CAD systems to project precise installation plans, outlining most economical solutions, with sufficient service controllability. The Air Conditioning units are sourced, based on the design requirements, from selectively chosen or approved supplier / manufacturer and the installation is carried out by experts from Diplomat's execution team.

Diplomat has a modern and fully equipped workshop situated in Sharjah. The workshop houses the most sophisticated machinery, equipment and tools required for quality installation, testing and commissioning of HVAC systems.

B. Mechanical, Electrical & Plumbing Works

Diplomat has a well-established team of Engineers, who are highly trained, experienced and capable of handling major MEP installations. It has successfully implemented numerous challenging Projects within the time framework to the full requirements and satisfaction of the Clients and is widely appreciated in its efforts to excel its MEP services.



DIPLOMAT MEP

Diplomats MEP services technical team comprises of qualified Mechanical and Electrical Engineers, who interact proactively with the Contractors, Consultants or Clients, to deliver the works with high integrity and quality. The team carries out the planning of the works to the minute details and focuses on zero defect performance with the objective of “do it right, first time and always”. The execution of works is supported by dedicated procurement professionals, having extensive supplier/vendor base and ensures timely deliveries. Diplomat also offers its advice based on its field expertise, in designing the MEP works.

C. Civil Works and Construction

Diplomat has a diversified portfolio when it comes to Civil Works and Construction of Villas and Industrial Buildings. Diplomat has extensive experience in Civil Works associated with the fit out works and interiors for Showrooms, Offices, Banks, Gym, and Restaurants, and is a leader in its own right. Many of these works are highly appreciated by the Clients and end users.

Diplomat has a well experienced division with highly qualified and trained personnel in carrying out the construction of Industrial Structures and Villas.

D. Specialized Services

- Building Management Systems
- Communication Systems
- Odour & Smoke Control Systems
- Fire Protection Services
- Cold Rooms and Cooling Chambers

Diplomat offers specialized services for various systems and installations teaming up the well-known Professionals in their respective fields. Together, they offer one stop solution for the various services with high Professional integrity.

E. Structural Steel Works

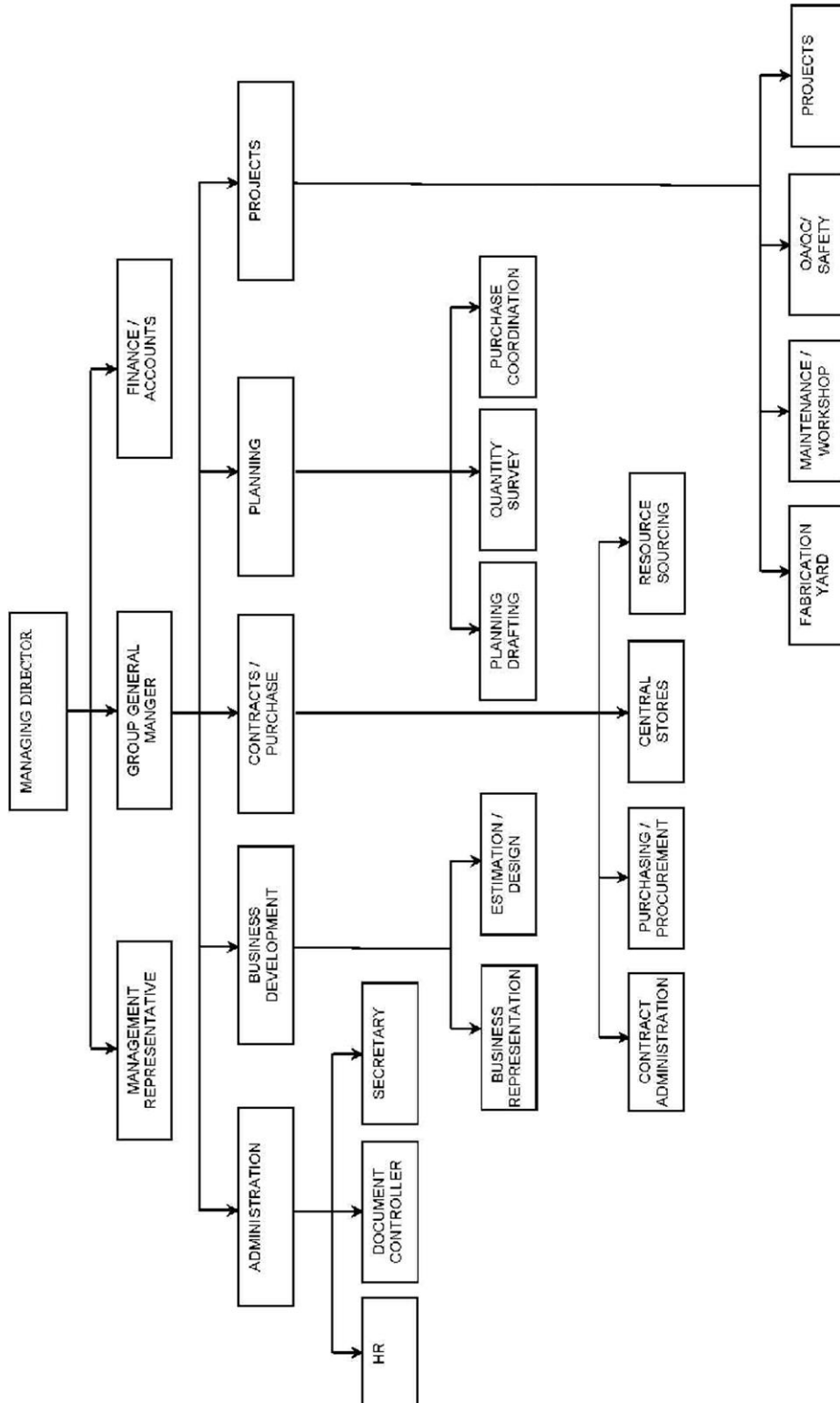
Diplomat undertakes Fabrication & Erection of all kinds of Structural Steel Works. It is capable of handling fabrication of Aluminum, Stainless Steel, Sheet Metal etc., meeting International Standards. Diplomat has extensively carried out the fabrication of Tanks, Vessels, Ducts, Chutes, Signage & Display boards, Light Poles etc., to name a few. Diplomat has a well-established facility (Diplomat Heavy Industries) to handle the fabrication works of any size and magnitude.



Diplomat Group

ORGANIZATION CHART

ORGANIZATION CHART





CV – MANAGERS / ENGINEERS



PROJECT MANAGER

PG Degree holder in Mechanical Engineer with specialization in Refrigeration & Air-Conditioning having 22 Years Experience in successful performance(In India ,UAE & Oman) in a wide area of engineering and management services, including MEP works.

Overview

- Versatile experience supported with exhaustive subject knowledge in mechanical engineering built on background of several successful responsibilities of project engineering, execution, management and consultancy functions on HVAC
- Experience of working on various other aspects of mechanical engineering including engineering design and development, planning and scheduling of engineering activities, assembly, quality control, management of resources and manpower, and other custom specific jobs of facility engineering
- Domain of expertise include energy conservation, utilization of plants, machinery and equipment, to its ultimate capacity; expertise also in areas of preparation of plans, cost estimates, P&I diagrams, and bill of materials for projects involving new processes
- Experience of working on different supportive aspects of engineering including quality control; have implemented Quality methods and standards for enhanced productivity and improved performance
- Established credentials of process development, reengineering, operational safety etc. acquired during functioning at various levels of engineering operations
- Competency in scheduling and implementing preventive maintenance measures for plants, machineries and equipment of large capacity HVAC plants
- Conversant with computer technology relevant to subject of specialization; accustomed to engineering design using latest SW and tools, also competency on office and factory automation products and systems.



Professional Experience

INTERNATIONAL CONTRACTORS CO. LLC , MUSCAT

MEP Manager (Operations)

January 2013 – March 2014

ETA ENGINEERING LTD., MUMBAI, INDIA

Asst. General Manager - MEP (SALES & PROJECTS)

January 2010 –January 2013

GALADARI ELECTRO MECHANICAL LLC, DUBAI, UAE

HVAC Department Head and MEP Project Manager

January 2007 – December 2009

TRANSGULF ELECTRO MECHANICAL LLC, DUBAI, UAE

Senior Estimation Engineer – HVAC Projects

Oct. 2005 – Jan. 2007

BILT MIDDLE EAST LLC, UAE

Senior Engineer - Projects

March 2005 – Sept. 2005

ABB Ltd., Mumbai, India

Manager - Projects

March 2004 – Feb. 2005

Personal Particulars

- Date of Birth: 10th. December, 1965
- Fluency in English, Hindi, Telugu and Tamil languages
- Possessing Valid UAE Driving License



PLANNING MANAGER

SNAPSHOT

- A result oriented professional with experience in Project Management.
- **Presently associated with Diplomat Engineering LLC – Sharjah as Planning & Contracts Engineer**
- **A Qualified Professional** who seeks to leverage experience and business acumen as well as learn from accomplished peers, while continuing to work in the industry.
- Proficient in swiftly **ramping/completing up projects** with competent cross-functional skills and **ensuring on time deliverables within pre-set cost parameters.**
- **A proactive learner** with a flair for adopting emerging trends and addressing industry requirements to achieve organizational objectives & profitability norms.
- **Effective communicator & negotiator** with strong analytical, problem solving and organizational abilities.

Key Result Areas:

- Supervising all construction activities including providing technical inputs for methodologies of construction & coordination with site management activities.
- Monitoring projects with respect to budgeted cost, demand forecasts and time over-runs to ensure timely execution of projects.
- Anchoring on-site construction activities to ensure completion of project within the time & cost parameters and effective resource utilization to maximise the output.
- Conducting meetings with construction managers & consultants on contractual matters regarding progress of works, claim situations and other construction issues.
- Involving cost control in site activities like introducing worker incentive scheme with respect to productivity norms inline with management budgeted cost.

Highlights:

- Played a stellar role in scheduling/ planning by using planning software PRIMAVERA P6.
- Ensured effective preparation of:
 - Base line program of required logical CPM/ PERT (Precedence Diagrams) plan with WBS (Work Breakdown Structure) (Baseline Program) based on the activities involved in project.
 - Manpower & cost histogram in Primavera-6 with respect to productivity norms.
 - Planning Schedule for drawings & material submittal submissions.
 - Material Procurement Schedule in line with baseline program & coordination with design Engineer & Supplier.
 - EOT program with respect to client's requirement.
 - Histograms & S Curve (Cash Flow Charts).
 - Fortnight & Monthly Progress Report.
 - Earned Value Analysis.
 - Look ahead schedule, earned value and forecast reports.
 - Monthly payment in line with Progress & Commercial Team.
- Liaised with Sub Contractors Programs and Schedules.
- Efficiently assisted the Planning Manager for updating of baseline programs as per the requirement.



Projects Executed:

At Diplomat Engineering LLC, Sharjah, UAE as Planning & Contracts Engineer

Title: Emerald Palace Hotel Kempinski, Palm Jumeirah

Client: EPG Group

Period: Sep 2015 – Present

Consultant: Linx, Hill International, Hyder Consulting

Civil Contractor: Al Ahamadiah

Value: AED 118M

Description: 5 Star Hotel located in Palm Jumeirah, Dubai consist of B+LG+G+5F+LR+UR, which has 400 guest rooms with different kind of suites namely King, Presidential, etc. along with spa & different cuisines & restaurants.

At Diplomat Engineering LLC, Sharjah, UAE as Planning & Contracts Engineer

Title: IMG Theme Park

Client: IMG

Period: July 2014 – Aug 2015

Consultant: Green Style

Civil Contractor: Simplex

Value: AED 60M

Description: Theme Park situated in city of Arabia near to Global Village which consist of 4 different zones namely Marvel Zone, Cartoon Network, Entertainment Zone and Lost Valley which nearly contributed 28 structural buildings. This theme park is the first indoor theme park in world.

At ETA –Division, Abu Dhabi, UAE as Planning Engineer

Title: Cleave Land Clinic, Abu Dhabi

Client: Mubadala

Period: Oct'11 to till date

Consultant: AECOM/ KEO

Civil Contractor: Sixco/ Samsung

Value: AED1.6 B

Description: Cleveland Clinic Abu Dhabi was a multi-specialty hospital. It comprised of 7 buildings, which were D&T, Clinic, Gallery, ICU, Swing-wing, Car park & Patient Tower. This medical center project was based on Cleve land clinic, Ohio, United States. This was Multi International Hospital in the Gulf region.



EDUCATION

2014 MBA – International Business from SMU (Sikkim Manipal University) (ONGOING...)

2013 PG – Advanced Construction Management from **NICMAR** (National Institute of Construction Management & Research), Pune

2011 B.E. Civil Engineering from KBP College of Engineering, Satara, Maharashtra, India.

IT FORTE

→ **Well versed with:**

- Primavera Project Planning Software Ver.P3, P5 & P6.
- Operating Systems: Windows 95/ 98/ XP/ Vista.

PERSONAL DOSSIER

Date of Birth: 5th July, 1988

Nationality: Indian

Passport No.: K6365370

Date of Issue: 04th Jan, 2013

Visa Details: Residence

Date of Expiry: 03 Jan, 2023

Place of Issue: Pune, Maharashtra.

Contact Address: Sharjah

Permanent Address: Plot No- 3/112/13 Gorakhpur Pirwadi Satara, Maharashtra, India.

Languages Known: English, Hindi, and Marathi.



ELECTRICAL ENGINEER

Sharjah,

United Arab Emirates,

Mobile: 055-4033740

E-mail: vadivel49@gmail.com

Objective

Posses an in-depth understanding of emerging technologies. Seeking a position in a dynamic environment with extensive experience developing, managing and analyzing infrastructures.

Professional Experience: 10 years

Current Job Profile

Presently I am Working as an Electrical Engineer in DIPLOMAT ENGINEERING LLC, Dubai, United Arab Emirates from May 2009.

Responsibilities as an Electrical Engineer:

1. Monitoring of Site work execution as per Shop Drawings.
2. Co ordination and carrying out Electrical work with MEP master plan.
3. Attending Weekly Site Meeting with Consultant & Other Contractors.
4. Reporting to the Project Manager regarding Site Work Progress.
5. Preparing Site Inspection & Approval Report after completion of each work and taking approval from Consultant.
6. Monitoring Material consumption at site based on Bill of Quantity from Engineering Department.



- Preparing the Clarification Letter to Consultant / Client.
- Provide engineering support to the Operations Department.
- Coordinating equipment and material Submittals.
- Maintain Master Database of Subcontractors and Vendors.
- Follow up bids / estimates on timely basis; maintain log for tracking work bid.

Responsibilities as Site Engineer:

- Monitoring of Site work execution as per Shop Drawings.
- Co ordination and carrying out MEP work with Main Contractor plan.
- Attending Weekly Site Meeting with Consultant & Other Contractors.
- Reporting to the Project Manager regarding Site Work Progress.
- Arrangement of Material based on Approved Material List from Consultant and coordination with material arrangement with purchase department.
- Preparing Site Inspection & Approval Report after completion of each work and taking approval from Consultant.
- Monitoring Material consumption at site based on Bill of Quantity from Engineering Department.
- Exposure to Quality survey about Electrical, Drainage, Plumbing, Fire alarm & Fire Fighting works.
- Attending Monthly Site Co Ordination Meeting with Consultant, Main Contractor & Client.

Project Handled:

1. Project : G + M + 12 floors Building @ Al Bustan, Ajman.
Owner : H.E. Khalifa Saif Al Muhairy.
Consultant : Al Tameer Engineering Consultant, Ajman.
Contractor : Hadeef Contracting.
Period : From February 2006 to December 2006.



2. Project : G + 3 P + 15 floors Building @ New Industrial Area, Ajman.
Owner : M/s. Al Quodes Al Arabia Trading Company.
Consultant : Bu Humaid Engineering Consultant, Ajman.
Contractor : Becon Construction.
Period : From June 2006 to February 2008.

3. Project : G + 2 P + 15 floors Building @ Municipality R/A, Ajman.
Owner : H.H. Sheikh Humaid Bin Rashid, Al Nuaimi.
Consultant : Tameer Engineering Consultant, Abu Dhabi.
Contractor : Department of Private Property.
Period : From Feb 2006 to May 2009

4. Project : G+2M+30 floors + G+3P+Health club + Service Block G+1
Location : Ishwais, Fujairah. UAE.
Owner : Mr. Ali Rashid Lootah
Consultant : Al Qalaa Engineering Consultant, Fujairah.
Contractor : Fujseng Construction.
Period : From April 2007 to May 2009 (Not completed)

Educational Qualifications

- Bachelor of Engineering (B.E.) in Electrical & Electronics, from University of Madras, Chennai, Tamil Nadu, India with FIRST CLASS, Year of Pass out : April 2003.

- Higher Secondary +2 from St. Joseph's Hr. Sec. School, Cuddalore. Tamilnadu, with First Class, year of pass out: March 1999.



Computer Exposure

Design : AutoCAD
Packages : MS-OFFICE, MS-PROJECT
Operating Systems : Windows7, Windows XP, 8.1

Personal Profile

Father's name : Mr. G.Venkatesan
Date of Birth : 05-04-1981
Sex : Male
Marital Status : Married
Languages Known : Tamil, English, Hindi and Malayalam
Nationality : Indian
Passport No : E1444522 (Expiry on 08/05/2023)
Driving License : Yes (Valid Up to 2019)
Permanent Address : S/o G.Venkatesan,
27, Co-Operative Nagar,
Chennai, India



MECHANICAL ENGINEER

CURRICULUM VITAE

Mechanical Engineer with more than 14 ½ years of MEP experience in Estimation, Execution, Supervision, Budgeting and Technical correspondence skills for Large scale projects like Hospitals, Commercial establishments & high rise towers etc. Excellent in communication, possess good skills in both verbal and written. Having, thorough knowledge in the following key department activities and hands on experience in independently dealing MEP activities of a project.

- Estimation
- Design & Engineering
- Equipment &Material Submittals
- Method statements-QA/QC
- Sub Contractor Management
- Value Engineering
- Procurement
- Contracts
- Cost Control
- Billing
- Commissioning
- Handing over

Academic

- Diploma in Mechanical Engineering from Govt. Polytechnic College, Anantapur – 1995
- Post Diploma in Refrigeration & Air-conditioning from Govt. Institute of Post Diploma College, Hyderabad-2000

Experience

Organization	Designation	From	To	Duration	Remarks
Diplomat Engineering LLC, Sharjah, UAE	Senior Project Engineer	Feb'05	Till date	9½Yrs	Gulf
Comfort Line Systems Pvt .Ltd Hyderabad, India	Project Engineer	Dec'99	Jan'05	5 Yrs	India



ELV ENGINEER

Personal Skills

- **Well organized with excellent communication skills.**
- **Proficient in Microsoft office and Auto-Cad .**
- **Motivated, enthusiastic and cooperative personality.**
- **Interest and willingness to learn.**

PROFESSIONAL EXPERIENCE

- I) COMPANY - M/S DIPLOMAT ENGG; SHARJAH, UAE.
Sept 2004 – till date
Position : ELV Engineer

Job category - Project execution

- II) COMPANY - M/S Kuwait Controls Company, KUWAIT.
Nov1996 – Jan 2004

Projects handled:

- 1) Maintenance of Fire Alarm system, Fire suppression system, Cathodic protection system at Kuwait National Petroleum Company (Shuaiba Refinery).
- 2) Installation of Fire Alarm System at Kuwait National Petroleum Company (Ahmadi Refinery).
- 3) Electrical maintenance at Ministry of Defense

- III) COMPANY - M/S Ali International Contracting Company, KUWAIT.
April 1993 - Oct 1995

Nature of Job: Maintenance of Fire Alarm system, Generator, Overhead Cranes, Automatic Doors for Ministry of Defense.

- IV) COMPANY - M/S Sigma Data Products Pvt Ltd, MUMBAI
Oct 1991 - April 1993

Nature of Job: Quality Control Engineer for PC – MONITOR manufacturing division.

- V) COMPANY - M/S Shelian System Pvt Ltd, MUMBAI
Aug1990– Oct 1991



Nature of Job: As Sr. Electronic Technician
Assembling, Testing and Installation of Security systems, digital token display indicators, sequential switchers of CCTV for Banks.

Qualification

Diploma in Digital Electronic and Microprocessor

Date of Birth : 2nd November 1967

Marital Status : Married

Nationality : Indian

Languages known : English, Hindi, Malayalam.



MECHANICAL ENGINEER

- Plan and oversee erecting works.
 - Supervision of technicians
 - Work planning and assignment
 - Preparation of reports and time sheets
 - Ensure work is completed within budget cost and time.
-
- Ensure that appropriate skilled and experienced workers are allocated to relevant activities.
 - Ensure that appropriate tools, equipment and materials are available to work force.
 - Monitoring standards of production and taking appropriate action where re-training is required.
 - Ensure safe working practice are adhered to
 - To ensure good quality of production in accordance with ISO.
 - Making schedule of workers vacation.
 - Coordinating with quality control department.

IV. Worked as Plumbing supervisor in M/S Nissan Enterprises Maharashtra India from March 1993 to April 1995.

Duties & Responsibilities: -

- Identification of hydro test loops according to piping class.
- Plan and oversee erecting works.
- Supervision of technicians
- Handling of various piping materials like Carbon steel, low and high alloy steel, GI, PVC, HDPE, PPR, GRP, PEX, COPPER, Etc.
- Preparation of reports and time sheets
- Ensure work is completed within budget cost and time.

Projects Handled

- Ministry of Interior-Sabhan Kuwait



MECHANICAL ENGINEER

- Emirates Tower Project-Dubai,UAE
- AL-Bateen Palace Project-Abu-Dhabi UAE
- Abu-Dhabi Trade Center Project-Abu Dhabi UAE
- Ruwaise Housing Complex Project-Abu-Dhabi UAE
- Abu Dhabi TV Station Project
- Sharjah Palace hotel Project
- Emirates Hills Projects
- Ritz Carlton Hotel Project-Doha Qatar.

PERSONAL DETAILS

Date of birth : 10th April 1972

Nationality : Indian



RESOURCES – MAN POWER

SR.NO	DESIGNATION	STRENGTH
1	Managing Director	1
2	Group General Manager	1
3	Deputy Managing Director	1
4	General Manager	1
5	Project Manager (MEP)	2
6	Project Manager (Civil)	2
7	Project Engineer (HVAC)	2
8	Project Engineer (Electrical)	2
9	Project Engineer (Plumbing)	1
10	Site Engineer (HVAC)	3
11	Site Engineer (Electrical)	3
12	Site Engineer (Plumbing)	2
13	Civil Engineer	1
14	Estimation & Planning	6
15	Draughtsman (HVAC)	3
16	Draughtsman (Electrical)	3
17	Draughtsman (Plumbing)	2
18	Supervisor (HVAC)	4
19	Supervisor (Electrical)	3
20	Supervisor (Plumbing)	2
21	Supervisor (Civil)	4
22	Charge Hand (HVAC)	5
23	Charge Hand (Electrical)	6
24	Charge Hand (Plumbing)	3
25	Charge Hand (Civil)	6
26	Mason	1
27	Painter	1
28	Carpenter	2
29	Skilled Technician (HVAC)	9
30	Electrician	1
31	Plumber	1
32	Helper	3
33	Administration Department	6
34	Accounts Department	4
35	Purchase Department	8
36	Storekeeper	5
37	Driver	8
38	Operator	12
39	Welder	8



RESOURCE - EQUIPMENTS

SL.NO	DESCRIPTION	QTY
1.	51GSD2187 WRAC 18MBH 230V	3
2.	AC Data Logger/Recorder	1
3.	Air Compressor with Hose	1
4.	Aluminium Spirit Level	42
5.	Allen Key Set	16
6.	Allen Key Set	120
7.	Aluminium Ladder 6ft	2
8.	Aluminium Ladder 8ft	2
9.	Angle Grinder Machine, Dewalt	2
10.	Anemometer	1
11.	Arbors for Hole Saw	17
12.	Automatic Level Machine	1
13.	Band Saw Machine	1
14.	Bar Bending Machine, Silla	1
15.	Bar Cutting Machine, Silla	1
16.	Bavelloni Bevelling Machine	1
17.	Bavelloni Shape Bevelling Machine	1
18.	Bending Machine	5
19.	Bending Machine Die Set	3
20.	Bi Hole Metal Saw	34
21.	Bolt Cutter	1
22.	Breaker TE 106	2
23.	Calibration and Certification of Universal Perfector (Perflow) SI no	1
24.	Centre Punch (Product No 1984)	30
25.	Chalkline Reel	9
26.	Chisel & Breaker	5
27.	Chisel Drop Forged (Product No 102)	90
28.	Chisel Drop Forged (Product No 105)	30
29.	Chisel Stoning H/D Rubber Grip	60
30.	Circular Cutting Saw	2
31.	CNC Glass Cutting Table	1
32.	CNC Router Machine/Wood Working Machine	1
33.	Compact Floor Saw Dimas FS 500F/Hatz	1
34.	Complete Die Set Arc	4
35.	Compressor with Dryer	1
36.	Compressor, 100litres, Single Phase	1
37.	Concrete Mixer, Electric, Silla	2
38.	Containers (20/40)	2
39.	Containers Standard	2
40.	Core Bit 102mm	1
41.	Core Bit 152mm	1
42.	Core Bit 82mm	1
43.	Core Bit 52mm	1
44.	Core Drilling Machine upto 200mm with Electric Water Pump	1
45.	Coring Bit with Connection End 47mm	1
46.	Coring Machine Bit	1
47.	Coring Machine DD 130 Total Set	1
48.	Crimping Tool	1
49.	Cutoff Machine 14"	2



RESOURCE - EQUIPMENTS

SL.NO	DESCRIPTION	QTY
50.	Master 2200 380-415V	5
51.	Membrane Press Machine	1
52.	Minarc 150 230V	2
53.	Mini Mixer 230V	1
54.	Miulti Purpose Machine (7 Profile)	1
55.	Motorised Trolley	1
56.	Multi Belt Sanding Machine	1
57.	Multi Cam Machine	1
58.	Omega Plotter wit Cutter	1
59.	Paint Booth Heating Chamber	1
60.	Panel Cutting Saw	1
61.	Pay Clock Machine	1
62.	Perkins Diesel Generator 150KVA	1
63.	Pipe Vice ¼" – 2 PVOI Taparia	2
64.	Pipe Wrench	12
65.	Pipe Wrench 12"	120
66.	Pipe Wrench 16"	3
67.	Pipe Wrench 18"	63
68.	Pipe Wrench Heavy Duty 18"	15
69.	Planer	1
70.	Plate Compactor	1
71.	Plier 1048/240	12
72.	Plier Cutting	120
73.	Plier Long Nose	120
74.	Plier Monkey	120
75.	Plier Vice Grip	120
76.	Plier, Long Nose Needle	13
77.	Plier, Riveting	11
78.	Plier, Wire Stripper	16
79.	Pliers Carpenters 6" Double Dip Handle	30
80.	Plumb Heavy	120
81.	Plumbob Brass	30
82.	Portable Ablution Unit	1
83.	Portable Cabin 2R	1
84.	Portable Cabin 2R+K+B	1
85.	Post-Forming Machine	1
86.	Prefector Plus Computerised Commissioning Unit	1
87.	Pump Grundfos	1
88.	Remote 4 Way Control	1
89.	Rock Hopper Colour Printer	1
90.	Rotary Hammer	2
91.	Rotary Hammer Drill	26
92.	Sand Blasting Machine	1
93.	Saw Machine-Beam Panel	1
94.	Scaffolding Tower Components	8
95.	Screw Compressor with Dryer	1
96.	Screw Driver	300



RESOURCE - EQUIPMENTS

SL.NO	DESCRIPTION	QTY
97.	Self-loading Cement Truck Mixer 1997	1
98.	Shearing Machine	1
99.	Skid Steel Loader	1
100.	Slitting Machine	1
101.	Slitting Tool with 2 no 5" Blades	1
102.	Solar Photovoltaic Module 100 Watts	3
103.	Solar Water Heating System 100lts capacity	1
104.	Sound Survey Meter	1
105.	Spanner Adjustable	120
106.	Spanner Box Type Tubulan (10x11, 12x13, 16x17)	120
107.	Spanner Ring Type	120
108.	Spindle Machine	1
109.	Screw Driver	90
110.	Tester Yellow (Product No 813)	60
111.	Threading Machine Beaver 50	2
112.	Tool Box 5 Compartments With Jelly Locks 55cm	120
113.	Tool Box for Plumbing	3
114.	Tool Kit SF 121 A-3.0, 230v	1
115.	Tool Set for Scaffolding	1
116.	Tripod	1
117.	Twintec TT-455S	1
118.	Unibind S225 Machine	1
119.	Universal Vacuum Cleaner	2
120.	Vacuum Pump	1
121.	Veneer Shearing Machine	1
122.	Veneer Stitching Machine	1
123.	Vertical Edge Profile Roto Cutter	1
124.	Vibrator Dynapac BV20A, Working Width 2m	1
125.	Vibrator Dynapac UF60	1
126.	Vibrator HC50	4
127.	Vibrator HE50	2
128.	Vibrator HP50	2
129.	Vibratory Rammer, Dynapac LT6000, Petrol Driven	1
130.	Wacker Power Trowel W/Honda	1
131.	Wall Chasing Machine	1
132.	Wall Saw Premium Set	1
133.	Water Jet Cutting Machine	1
134.	Welding Machine 3 Phase 250A Inverter Welding	1
135.	Wide Blade	14
136.	Window AC	40
137.	Wireless Camera 126	2
138.	Wireless Camera 128	8
139.	Wrench Adjustable 110/250 Beta	11



DIPLOMAT WORKSHOP



Diplomat Group

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DIPLOMAT WORKSHOP







APPROVALS

 AL FARAA general contracting	Reference No رقم المرجع			قيادة حرس الرئاسة PRESIDENTIAL GUARDS COMMAND اعتماد مصادر خارجية OUTSOURCING PROPOSAL		
	SCS	C	10			
	Date التاريخ	14-Jun-15				
PGC-CFD-572-65-2014-284		مرجع الوثيقة الكامل Full Document Reference		PGC-C-041-2013		رقم المشروع Project No.
Construction of Club for Officers, Warrant Officers and Soldiers for Special Operation Group Command Project / Contract Name						اسم المشروع / العقد Project / Contract Name
PRESEDENTIAL GUARD COMMAND		To	إلى	AL FARAA GEN CONT CO LLC		من
Supply and Apply of MEP Works SUBMITTAL TITLE: عنوان التقديم						
منطقة		مستوى التطبيق		MEP		المنشئ
Zone		F. Level				Facility
CSI ID		WBS ID				التخصص
Subcontractor or Vendor Type:						
وصف الأعمال Works Description		خبرة لاسل PGC Previous Experience (Y/N)		الشركات المقترحة (3 على الأقل) Proposed Companies (at least 3)		الرقم Ser.
Supply and apply of MEP Works		Y		DIPLOMAT ENGINEERING LLC		1
		N		JRK Technical Services		2
		N		EM Tech. LLC		3
القيمة المقدرة بالأعمال المطلوبة (بالدراهم): Estimated Value of Works Required (Dhs):						
يجب على المصنر أن يثبت بأن كل المعلومات التي أصدرت تحت هذا التقديم قد تم التحقق منها وتوافق مع وثائق العقد. The Issuer certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents.						
FOR THE ISSUER 14-Jun-15 03 792 44 34 03 792 44 34						التوقيع Signature Eng. ERICO REYES الاسم Name
SUBMITTAL REVIEW & COMMENTS ملاحظات و مراجعة التقديم ملاحظات المهندس المقيم /						
- Option 1/ # M/S: DIPLOMAT Engineering LLC is approved - and to be on site during duty hours.						
21/6/2015 Approved as noted						
Code D = REJECTED Code C = REVISE & RESUBMIT Code B = NO OBJECTION AS NOTED Code A = NO OBJECTION						
21/6/2015 RECEIVED						

 AL FARAA general contracting	Reference No / رقم المرجع		قيادة حرس الرئاسة		
	DS	C	053	PRESIDENTIAL GUARDS COMMAND	
Rev / المراجعة	Date / التاريخ		تقديم وثائق		
00	14-Jun-15		DOCUMENTS SUBMITTAL		
PGC-C-041-2013		مرجع الوثيقة الكامل		PGC/CFD/572/65/2014/284	رقم المشروع
		Full Document Reference			Project No
Construction of Club officers, Warrant Officers and Soldiers for Special Operations Group Command				Project / Contract Name:	
PRESEDENTIAL GUARD COMMAND To				AL FARAA GENERAL CONTRACTING From	
CV's & ORGANIZATION CHART FOR MEP WORKS				SUBMITTAL TITLE	
منطقة		مستوى الطابق		المنشئ	
Zone		F. Level		Facility	
بوابة		WBS ID		التخصص	
Gateway		CSI ID		Discipline	
*Status / الحالة	Document Description		وصف الوثيقة	Document Number	رقم الوثيقة
	Please find enclosed CV's & Organizational Chart for M/s. Diplomat Engineering LLC		0		1
يجب على المصدر أن يشهد بأن كل المعلومات التي أصدرت تحت هذا التقديم قد تم التحقق منها ووجدت مطابقة مع وثائق العقد. * الحالة يجب أن تبقى بواسطة المراجع الأخير. The Issuer certifies that all information issued under this Submittal have been verified and found to be in compliance with the Contract documents. * To be filled by the FINAL Reviewer ONLY using the key Code below					
SUBMITTAL ISSUED BY DATE / التاريخ 14-Jun-15			التوقيع Signature Eng. Erico Reyes		
SUBMITTAL REVIEW & COMMENTS					
Discipline Engineer: (RE / ARE / ME / EE / HSE /) No objection for hiring staff of M/s Diplomat. Eng. subject to their performance will be monitored for 18/16/15 Date					
Project Manager Next 3 months Final approved within 3 months and to be under supervision in period of 3 months Date					
Project Department Manager 21/6/2015			التوقيع Signature Ayman ElBene		
Approved as noted above Date					
التوقيع Signature 21/6/2015					
Code D = REJECTED Code C = REVISED & RESUBMIT Code B = NO OBJECTION - AS Code A = NO OBJECTION					
Receiver STAMP 21 JUN 2015					
Sign					

 AL BADR	Reference No / رقم المرجع SCS M 001	UAE ARMED FORCES COMMAND OF MILITARY WORKS	القوات المسلحة لدولة الامارات العربية المتحدة قيادة الأشغال العسكرية	
	Rev / المراجعة 0	Date / التاريخ	إحتفالية مصممات خارجيصة OUTSOURCING PROPOSAL	
CMW-8017-0001-SCS-M-001		مرجع الوثيقة الكامل Full Document Reference	0001 - 8017	رقم المشروع Project No.
بناء ورش و مشاغل للصيانة في ملوحة المرحلة الأولى		اسم المشروع / العقد Project / Contract Name		
To: قيادة الأشغال العسكرية / شعبة إدارة المشاريع		From: شركة البهر للمقاولات و الأشغال المدنية ذ.م.م		
HVAC SUB CONTRACTOR		SUBMITTAL TITLE		
منطقة Zone	مستوى الأرض F. Level	المبنى Facility		
بوابة Gateway	CSI ID	التخصص Discipline		
Sub-consultant	Subcontractor or Vendor	Type		
وصف الأعمال Works Description	خبرة العمل مع العميل CMW Previous Experience (Y/N)	الشركات المقترحة (3 على الأقل) Proposed Companies (at least 3)		
HVAC Sub Contractor	NO	M/s. DIPLOMAT		
القيمة المقدرة بالأصل المطلوبة (بالدينار) Estimated Value of Works Required (Dhs):				
يجب على المصمم ان يثبت بان كل المعلومات التي أصدرت تحت هذا التقديم قد تم التحقق منها ووجدت متوافقة مع وثائق العقد. The issuer certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents.				
FOR THE ISSUER		التوقيع Signature		
31-Dec-12		MICHEL MANSOUR		
Date		Name		
SUBMITTAL REVIEW & COMMENTS				
Site Engineer / Services Engineer / Design-in-Charge Comments:				
Diplomat is suggested Contractor. after study subject to: Submitting the study for Approval. - Submittal for Material shall be enclosed.				
9/1/2013		التوقيع Signature		
Date		Name		
ملاحظات المشتري (المقاول الباعن / مقترح المورد فقط) (في حال وجود الاستشاري)				
Consultant Comments: (For Subcontractor / Vendor Proposals Only) (if there is a consultant on board)				
Diplomat is Approved as per the above conditions.				
9/1/2013		التوقيع Signature		
Date		Name		
موافقة مدير مشروع قيادة الأشغال العسكرية بعد أخذ الموافقة من المدير المباشر بتبعية صاحب الموافقة داخل قيادة الأشغال العسكرية				
MW Project Manager's Approval (After obtaining approval from line manager following CMW's approval process)				
REJECTED		ACCEPTED		
مرفوض		مقبول		
Review Status (by Final Approver)				
التوقيع Date		التوقيع Signature		
Date		Name		
FOR THE ISSUER				
التوقيع Date		التوقيع Signature		
Date		Name		



dar al-handasah
shair and partners

Dubai
Gulf Towers
Office Nos. B1/501-02-04
Oud Metha Rd
P.O. Box: 55624
Dubai, United Arab Emirates

Tel: +971 (0)4 335 5502
Fax: +971 (0)4 335 3121
dubai@dargroup.com

Ref: D0452-6/1/S/ASTCC/0089
Date: 02nd November 2011.

M/s Al Shafar Transport & Contracting Co.
P.O Box: 125255,
Dubai,
United Arab Emirates.

Action

ASTCC JUMAIRA PARK	
CM	
MEP	✓
Arch Eng.	
Planning Eng.	
QA/QC	
Q.S.	
Safety	
g.d.	✓

For the attention of: Mr. Tareq Jasim Mohammad – Project Manager

PROJECT: JUMEIRAH PARK VILLAS PACKAGE- 6/1

SUBJECT: M.E.P SUBCONTRACTOR (M/s. DIPLOMAT)- NOC

Dear Sir,

With reference to the above mentioned subject, please find attached the Original NAKHEEL NOC Letter Ref. JP/1011/NAK-LT-09870 addressed to M/s. DEWA, for the MEP Sub Contractor M/s. Diplomat Engineering LLC.

This is for your information and further necessary action.

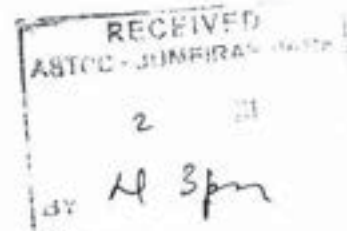
Yours faithfully,
For / Dar Al-Handasah Consultants
(Shair and Partners)

N. Ali
2/11/11
Nabil Ali Abdou
Resident Engineer

Encl: As above

Cc: Mr. Adeeb M. Yasin A. Ghafoor – ERA, JP I – Nakheel
Mr. Khalid Al Jabri – ERA, JP II – Nakheel

NA/ms



FINAL COMMISSIONING CERTIFICATE

PART-I

DESCRIPTION OF WORKS

"Fit-Out Works for Carrefour Hypermarket at Mirdiff City Centre in Dubai"

PART - II

The above WORKS have been finally completed in accordance with the provisions of the contract agreement. The Warranty Period has now expired and the works are now finally handed over to MAJID AL FUTTAIM HYPERMARKETS LLC

IN WITNESS THEREOF, the "FINAL COMMISSIONING CERTIFICATE" is herein issued dated 26th April, 2011 and accepted by all parties listed.

THE CLIENT

MAJID AL FUTTAIM HYPERMARKETS LLC



8-4-2011

MAJID AL FUTTAIM HYPERMARKETS LLC

THE CONTRACTOR

DIPLOMAT ENGINEERING LLC



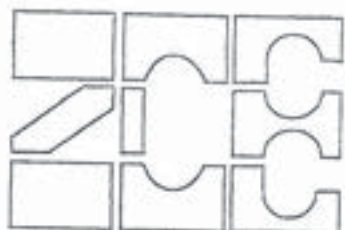
Mr. G. H. REDDY
P.O. BOX 4901
Dubai - U.A.E.

THE CONSULTANT

J.M. REGNAULT & PARTNERS



Mr. J.M. REGNAULT
J.M. REGNAULT AND PARTNERS
P.O. BOX 812
SHARJAH - U.A.E.



زعبل للاستشارات الهندسية
ZA'ABEEL CONSULTING ENGINEERS

Dated : 19.06.08

TAKING OVER CERTIFICATE

As per the Conditions of Contract

PROJECT NAME	Extension of Guest Rooms in Movenpick Hotel on Plot No.319-219 at Oud Metha.
DATE OF COMPLETION	12.06.08
DATE OF COMMENCEMENT	07.07.07
MAINTENANCE PERIOD	ONE YEAR
EMPLOYER	M/S KINGDOM HOTELS INVESTMENTS. POST BOC.121223, DUBAI.
CONTRACTOR	M/S DIPLOMAT ENGINEERING LLC POT BOX.40469, DUBAI.

In accordance with provision of Clause 9.7 of the I Conditions of Contract, we hereby certify that the "Whole of the Works" has been substantially completed in accordance with Contract on 12.06.08

We also certify that the Defects Liability Period of 12 calendar months for the works commenced on 13.06.08 ends on 12.06.09 subject to complete all snag lists including shop drawings, O& M Manuals and As Built Drawings...etc. as per Clause 10.1 of the Conditions of Contract.

For ZA'ABEEL CONSULTING ENGINEERS





TAKING OVER CERTIFICATE

CONTRACT : SHERATON DUBAI CREEK HOTEL AND TOWERS, MEP WORKS

EMPLOYER : Almula Enterprises LLC

CONTRACTOR : Diplomat Engineering LLC

TAKING OVER CERTIFICATE

Persuant to Clause 10 of the Conditions of Contract we hereby certify that, in our opinion, the Works were deemed completed on:

09 March 2014

By the issue of this Certificate, the Contractor is deemed to have undertaken to complete any outstanding work in accordance with the Contract during the Defects Liability Period which, Pursuant to Sub-Clause 11.3 of the Conditions of Contract, shall expire on:

31 March 2015

Date 08 April 2014


for RICE PERRY ELLIS & PARTNERS


P. O. Box
454801
DUBAI
U.A.E.


For DIPLOMAT ENGINEERING LLC


DIPLOMAT ENGINEERING LLC
P.O. Box 454801
Dubai, U.A.E.



Ref. 1342/D389/PLK/sce
Tel: 06 533 1266 / Fax: 06 533 6886
Email: phreddy@diplomagroup.org

08 April 2014

Diplomat Engineering LLC
P.O. Box 40469
Sharjah, UAE

Attention: Mr. G. Hanumantha Reddy - Managing Director

Dear Sirs,

SHERATON DUBAI CREEK HOTEL & TOWERS
MEP Refurbishment Works
Taking Over Certificate

We have pleasure in attaching the Taking Over Certificate for the works.
We record that, whilst the construction work was substantially complete on 09 March 2014, obtaining the necessary Authority Certificates as required by your Contract and which are required to allow the Works to be used for the purpose for which they are intended, delayed until the end of March 2014. The Employer is therefore, under Sub-Clause 11.3 of the Conditions of Contract, entitled to an extension of the Defects Notification Period, the expiry of which shall be 31 March 2015 as indicated on the Taking Over Certificate.

Yours faithfully,
RICE PERRY ELLIS & PARTNERS

A handwritten signature in dark ink, appearing to read "Paul Kraemer".

Paul Kraemer

encl.
cc: Ghaleb Al Najjar - Almutla
Tareq Aboul Fetouh



S. MEHBOOB & COMPANY

CONSULTING ENGINEERS

Suite 205, Mohammad Sultan Belshalat Bldg.,

Karama, P. O. Box: 118489, Dubai U.A.E.

Tel: 04-3570430, Fax: 04-3570130

E-mail: smc.uae@smehboob.com, Web: www.smehboob.com

REF: V75_OCT11_DXB/0915/00760

October 31, 2011

PRACTICAL COMPLETION CERTIFICATE

SUBJECT: FITTING OUT OF CARREFOUR HYPERMARKET AT
BAWABAT AL SHARQ, ABU DHABI

The above works have been practically completed in accordance with the provision of contract and have been put to beneficial use by client as of 31ST Oct 2011.

In witness thereof, the "PRACTICAL COMPLETION CERTIFICATE" is herein issued and accepted by all parties listed.

MANAWAR IQBAL



CONSULTANT (M/s S. MEHBOOB & COMPANY)
(Signature over printed name, date & Stamp)

EYAD GHOSHEH



CLIENT (M/s MAF HYPERMARKET)
(Signature over printed name, date & Stamp)



CONTRACTOR (M/s DIPLOMAT ENGINEERING L.L.C.)
(Signature over printed name, date & Stamp)



Letter of
appreciation



E-mail: jcmeein@emirates.com, P.O Box 686 Design & Construction & Planning

Subject	Letter Appreciation to whom it may concern
---------	--

To,

M/s Diplomat Engineering L.L.C

C- 008-C-007 TECOM EMIRATES STAFF ACCOMMODATION BUILDING AT AL BARSH

We take this rare opportunity to congratulate you and your team to express our appreciation for your sincere and dedicated services to our project & Company.

This letter of appreciation is given to you specifically for the extra ordinary and effective manner in which you handled during the entire construction stage without any delay. After handover & our last one year plus occupation you and your team's continuous support and advice was tremendous, to carrying out necessary maintenance related works in a right direction.

We noted your team's commitment to work, the efficient way in the leader ship of (Mr Reddy & Mr Amin,) which carried out the respective MEP works in a very effective manner and without any impact to our business. You also took care of all safety measures and completed all works in a very limited time frame. Congratulations to you and your team. !

You have set a Good Example to other Contractors to follow and also we encourage you to set higher standards in the future.

Best wishes and Good luck.

Yours faithfully

James Pinto



Project in charge For Tecom Emirates staff Accommodation Al Barsha Dubai.



LIST OF MAJOR PROJECTS



MAJOR PROJECTS

1. KEMPENSKY PALM JUMEIRAH, DUBAI. (IN PROGRESS)



PROJECT SCOPE	:	COMPLETE MEP (NOMINATED)
CLIENT	:	SUNPRISE PROPERTIES
CONSULTANT	:	LINX / HYDER
MEP VALUE IN AED	:	150 MILLION
STATUS	:	IN PROGRESS



MAJOR PROJECTS

2. IMG THEME PARK CITY OF ARABIA, DUBAI.



PROJECT SCOPE	:	MEP & STEEL FABRICATION
CLIENT	:	ILLYAS & MUSTAFAGALADARI
CONSULTANT	:	SEED CONSULTANT
MEP (JV) CONTRACTOR	:	BRYAN
MEP VALUE IN AED	:	140 MILLION
STEEL FABRICATION VALUE	:	35 MILLION
STATUS	:	COMPLETED

MAJOR PROJECTS

3. STAFF ACCOMODATION FOR EMIRATES, DUBAI



PROJECT SCOPE	:	COMPLETE MEP
CLIENT	:	EMIRATES AIRLINES
CONSULTANT	:	THE FRASER NAG PARTNERSHIP
MAIN CONTRACTOR	:	AL NEKHREH CONTRACTING
VALUE IN AED	:	59.57 MILLION
STATUS	:	COMPLETED



MAJOR PROJECTS

4. SHAROTON HOTEL, DUBAI.



PROJECT SCOPE	:	MEP
CLIENT	:	AL MULLA ENTERPRISES
CONSULTANT	:	TORENTEC
MAIN CONTRACTOR	:	DIPLOMAT ENGINEERING LLC
VALUE IN AED	:	40 MILLION
STATUS	:	COMPLETED



MAJOR PROJECTS

5. COMMERCIAL/RESIDENTIAL BUILDING AL NAHDA FIRST, DUBAI



PROJECT SCOPE	:	COMPLETE MEP
CLIENT	:	GREEN COAST ENTERPRISES
CONSULTANT	:	THE FRASER NAG PARTNERSHIP
MAIN CONTRACTOR	:	DARWISH ENGINEERING
VALUE IN AED	:	27.46 MILLION
STATUS	:	COMPLETED

MAJOR PROJECTS

6. FITOUT TO CARREFOUR IN MIRDIFF CITY CENTER



PROJECT SCOPE	:	FIT OUT + MEP
CLIENT	:	MAF HYPER MARKETS LLC
CONSULTANT	:	JMR CONSULTANTS
MAIN CONTRACTOR	:	DIPLOMAT ENGINEERING LLC
VALUE IN AED	:	28 MILLION
STATUS	:	COMPLETED



MAJOR PROJECTS

7. CARREFOUR DEERFIELD'S TOWN SQUARE(DTS), ABUDHABI



PROJECT SCOPE	:	FIT OUT + MEP
CLIENT	:	MAF HYPER MARKETS LLC
CONSULTANT	:	JMR PARTNERS
MAIN CONTRACTOR	:	DIPLOMAT ENGINEERING
VALUE IN AED	:	21 MILLION
STATUS	:	COMPLETED



MAJOR PROJECTS

8. RITZ CARTON, DUBAI.



PROJECT SCOPE	:	CIVIL + MEP FOR CENTRIFUGAL CHILLER REPLACEMENT
CLIENT	:	AL MULLA ENTERPRISES
CONSULTANT	:	RICE PERRY ELLIS/TORENTEC
MAIN CONTRACTOR	:	DIPLOMAT ENGINEERING LLC
VALUE IN AED	:	13.3 MILLION
STATUS	:	COMPLETED



MAJOR PROJECTS

9. CARREFOUR - AL GHURAIR CENTER, DUBAI.



PROJECT SCOPE	:	FIT OUT + MEP
CLIENT	:	MAF HYPER MARKETS LLC
CONSULTANT	:	JMR CONSULTANTS
MAIN CONTRACTOR	:	DIPLOMAT ENGINEERING LLC
VALUE IN AED	:	16.95 MILLION
STATUS	:	COMPLETED

MAJOR PROJECTS

10. AL HABTOUR POLO CLUB, DUBAI LAND



PROJECT SCOPE	:	MEP FOR ACCOMODATIONS
CLIENT	:	AL HABTOUR GROUP
CONSULTANT	:	WS ATKINS
MAIN CONTRACTOR	:	PARKWAY
VALUE IN AED	:	15 MILLION
STATUS	:	IN PROGRESS



MAJOR PROJECTS

11. MOVENPICK HOTEL OUD METHA, DUBAI.



CLIENT	:	KINGDOM 01 FZ (LLC)
CONSULTANT	:	ZABEEL
MAIN CONTRACTOR	:	DIPLOMAT ENGINEERING LLC
VALUE IN AED	:	10 MILLION
STATUS	:	COMPLETED



MAJOR PROJECTS

12. JUMEIRAH PARK VILLAS, PACKAGE 6/1, (40 VILLAS)



CLIENT	:	NAKHEEL
CONSULTANT	:	DAR AL HANDASAH SHAIR & PARTNERS
MAIN CONTRACTOR	:	AL SHAFAR (ASTCC)
VALUE IN AED	:	10 MILLION
STATUS	:	COMPLETED

MAJOR PROJECTS

13. CMW – VARIOUS MILITARY FACILITIES



CLIENT	:	UAE ARMED FORCES
CONSULTANT	:	CMW CONSULTANT
MAIN CONTRACTOR-VALUE	:	AL BADR – 5M
	:	GUPCO – 4M
	:	AL FARRAH – 7M
STATUS	:	IN PROGRESS



LIST OF COMPLETED PROJECTS



LIST OF MAJOR PROJECTS EXECUTED

UNITED ARAB EMIRATES

SI No	Project	Scope of Work	Consultant	Main Contractor	Client	Start Date	Completion Date	Value AED	Status
1	IMG Theme Park, City of Arabia, DxB	Civil & MEP Works	SEED Consultants	Diplomat Engineering	Ilyas & Mustafa Galadari Management Investment &	02/01/2014	01/02/2015	140 million	In Progress
2	Fitout to Carrefour in I Rise Bldg., Tecom, DXB	Civil & MEP Works	JMR Consultants	DCE Contracting	MAF Hypermarkets LLC	25/02/2014	06/10/2014	2.76 million	In Progress
3	Fitout to Carrefour Hypermarket at al Ghurair Dubai	Civil & MEP Works	JMR Consultants	DCE Contracting	MAF Hypermarkets LLC	07/03/2014	14/01/2015	16.95 million	In Progress
4	Fitout works - Health Club	Civil & MEP Works	Brand Folio	DCE Contracting	Brand Folio	01/11/2014	30/03/2015	6.3 million	In Progress
5	IMG Theme Park, City of Arabia, DxB	Steel Work	SEED Consultants	IMG	Dubai	20/07/14	15/02/15	60 million	In Progress
6	Supply of DCS Poles for Dubai Tram, DxB	Fabrication & Supply of Antenna Poles for Dubai Tram Project	systra	Streetscape International	RTA, Dubai	03/02/2014	20/09/14	1.5 million	In Progress
7	Petrofac- Sohar Oil	Container Modification	Dar -al-handsa	Euro Vision Technologies	Oman	25/09/14	15/12/14	1.5 million	in progress
8	Abu Dhabi Airport	Steel structurals		William Hare	Abu Dhabi	20/09/14	02/08/2015	2.25 million	in progress
9	HVAC, Ventilation, Plumbing, Drainage & Sanitary were fixing project CMW-13066-C002 - Military Facilities at Maleha Sharjah	AC & Plumbing	CMW	GUPCO	Abu Dhabi	11/09/2014	10/09/2015	3.75 million	In Progress



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
107	Air Conditioning and Ventilation Works for Project CMW – 08017 – C001 – Military Facilities at Maleha, Sharjah	AC Works	CMW	Al Badr Contracting & Civil Construction Company LLC	UAE Armed Forces	28/01/2013	1/03/2014	4.3 million	Completed
106	Ritz Carlton - Replacement of Chillers & Cooling Towers, Dubai Marina	AC Works - replacement of chillers & cooling towers	Rice Perry Ellis/Torontec MEP Consultants	Diplomat Engineering	Al Mulla Enterprises	21/07/2013	21/04/2014	13.3 million	Completed
105	Fit out to Carrefour in JBR Murjan, Dubai	Civil & MEP Works	S.Mehboob & Co	DCE Contracting	MAF Hypermarkets LLC	12/12/2013	22/03/2014	1.8 million	Completed
104	Construction of Secondary School in Al-Ain	Steel fabrication & Supply of Roofing M/L	WME Consultant	NCC	Abu Dhabi Vocational Education & Training Institute	1/10/2014	6/09/2014	10 million	Completed
103	Supply of DCS Poles for Dubai Tram, DxB	Fabrication & Supply of Antenna Poles for Dubai Tram Project	Streetscape International	Diplomat Heavy Industries	RTA, Dubai	1/02/2001	20/02/14	1 million	Completed
102	Sheraton Dubai Creek Hotel, MEP Services, DxB	MEP & Allied Civil Works	Rice Perry Ellis/Torontec MEP Consultants	Diplomat Engineering LLC	Al Mulla Enterprises, Dubai	09/04/2013	09/03/2014	40,800,000.00	Completed
101	construction of 110M+ x30mtr x30mtr Height Barge	Fabrication	Focus Marine	Dubai Ship Building	Mubarak Marine	14/04/2013	10/02/2014	18,000,000.00	Completed
100	MAF – Carrefour, Deerfield's Town Square Mall, Abu Dhabi.	MEP & Civil Works	JMR Partners	Diplomat Engg	MAF Dalkia	11/01/2012	06/05/2013	21,000,000.00	Completed
99	Fit out to Carrefour in Ezdan Mall, Qatar	MEP & Civil Works	-	Diplomat Engineering	MAF Retail	16/01/2013	16/04/2013	QR 4,400,000.00	Completed
98	Jumeirah Park, Project 6/1, E3VL 14 to 53 (40 Villas)	Electromechanical Works (MEP)	Dar Al Handasah Shair and Partners	Al Shafar (ASTCC)	Nakheel	01/04/2011	30/04/2013	9,200,000.00	Completed
97	Villa Maintenance (Sharjah)	MEP & Civil Works	-	-	Crown Prince Court Villa	01/08/2012	15/10/2012	199,742.00	Completed
96	Villa Maintenance (Dibba)	MEP & Civil Works	-	-	Crown Prince Court Villa	14/06/2012	30/09/2012	200,000.00	Completed



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
95	Misc. Works at Habib Bank-Sheik Zayed Road	Civil fit out works	VP operations	Diplomat Engg	Habib Bank AG Zurich	11/01/2012	11/05/2012	214,185.00	Completed
94	Fitout to Carrefour Market @ Al Juraina, Sharjah	MEP & Civil Works	MAF Group	MAF Group	Maf Hypermarket LLC	02/01/2012	30/06/2012	3,200,000.00	Completed
93	Fitout to Carrefour Hypermarket @ Fujairah	MEP & Civil Works	JMR & Partners	Diplomat Engg	Maf Hypermarket LLC	02/10/2011	05/04/2012	17,684,438.00	Completed
92	Mr.Hamid Jaffer Villa	MEP & Civil Works	-	-	Hamid d. Jafar	14/09/2011	14/10/2011	800,000.00	Completed
91	Gold's Gym : Proposed Corridor - Etihad Mall	MEP & Civil Works	Gold Gym	Gold Gym	Gold Gym	21/08/2011	31/01/2012	3,050,000.00	Completed
90	Safeer Mall Ras-Al Khaimah	Fit out to C4 MEP & Civil Works	JMR & Partners	Diplomat Engg	Maf Hypermarket LLC	23/01/2011	07/07/2011	14,330,785.00	Completed
89	Misc. Renovation works @ C4, Shindaga Office	Civil fit out works	MAF Group	MAF Group	Maf Hypermarket LLC	25/08/2010	30/07/2012	110,000.00	Completed
88	Civil Fit Out Work to Carrefour Bawabat el Sharq	Fit out Civil Works	SMC Consultant	Diplomat Engg	Maf Hypermarket LLC	21/07/2010	30/04/2012	16,730,173.50	Completed
87	Fit Out to Carrefour in Mirdiff City Centre	Fit outs, MEP & Civil Works	J.M.R. and Partners	Diplomat Engineering	MAF Hypermarkets LLC	24/05/2009	15/11/2009	28,000,000.00	Completed
86	Fit Out to Carrefour additional Office at Shindaga	MEP Works	Za'abeel Consulting Engineers	Diplomat Engineering	Maf Hypermarket LLC	06/04/2009	21/11/2009	6,200,000.00	Completed
85	Fitout to Carrefour Addl. Office @ Al Shindagha	MEP & Civil Works	MAF Group	MAF Group	Maf Hypermarket LLC	06/04/2009	30/09/2009	6,200,000.00	Completed
84	Fitness First, Safeer Mall, Sharjah	Fit Out Works	Quad Group LLC	DBC Contracting LLC	Leisure Unlimited LLC	22/11/2008	18/10/2009	10,000,000.00	Completed



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
83	Sup, Inst., Testing & Comm. of MEP Works -24 Villa	MEP works	Al Mulla	Diplomat Engg	Al Nekhreh Contracting Co.	17/11/2008	31/01/2010	9,253,036.00	Completed
82	Fitness First, Al Hana Center	Civil & MEP Works	Quad Group LLC	Diplomat Engineering	Leisure Unlimited LLC	15/11/2008	24/01/2010	1,054,572.00	Completed
81	Fitness First, City Centre, Doha	Fit Out Works	Quad Group LLC	DCE Contracting LLC	Leisure Unlimited LLC	02/11/2008	15/03/2009	9,977,583.00	Completed
80	24 Villas(G+1)on Plot No. 251-4243 at Mirdiff, Dubai	MEPD Works	Archdome Consulting Engineers	Al Nekhreh Contracting Co. LLC	Mrs. Aameena Obaid Buti Al Mulla	14/10/2008	12/01/2010	9,253,036.00	Completed
79	Carrefour Al Bawadi Mall, Al Ain	Fit Out Works	Maunsell/Ibitikari Engineering Consultants,	Diplomat Engineering	MAF Hypermarket LLC	17/05/2008	17/11/2008	26,500,000.00	Completed
78	Fitness First, Al Hana Centre, Al Satwa, Dubai	MEP Works	Quad Group LLC	DCE Contracting LLC	Leisure Unlimited LLC	04/05/2008	21/07/2008	3,500,000.00	Completed
77	Dubai Marina Mall, Dubai	Hoarding Works	-	DCE Contracting LLC	Emaar Properties PJSC	27/04/2008	15/06/2008	982,425.00	Completed
76	Abu Dhabi Duty Free Terminal 1, Abu Dhabi International Airport	Civil & Interior Works Construction of Central Feature Hub	Consultancy Services International	DCE Contracting LLC	Department of Civil Aviation, Abu Dhabi	16/04/2008	10/05/2008	823,270.00	Completed
75	Fitout works for Carrefour@Al Bhawadi Mall, Al Ain	MEP & Civil Works	Cansult Maunsell	Diplomat Engg	Maf Hypermarket LLC	01/01/2008	31/01/2010	26,500,000.00	Completed
74	Fitness First Health Club Twin Towers, Tecom, Dubai Internet City	Fit Out Works Fitness First Health Club	Quaf Group LLC	DEC Contracting LLC	Leisure Unlimited LLC	22/09/2007	15/05/2008	5,645,652.00	Completed
73	Fitness First Health Club, Burjuman Centre, Dubai	Spa, Fit Out Works Fitness First Health Club Level 6	Consultancy Services International	DEC Contracting LLC	Leisure Unlimited LLC	28/07/2007	08/02/2008	2,383,039.00	Completed
72	Movenpick Hotel, Plot No. 319-219, Oud Metha, Dubai	Civil & MEP Works	Za'abeel Consulting Engineers	Diplomat Engineering LLC	Kingdom 01 FZ(LLC)	07/07/2007	25/03/2008	10,109,706.00	Completed



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
71	Storage/Office Building Plot. M00793-M00794, Jebel Ali Free Zone	Electrical Works	Freeline Engineering Consultants	Gulf Stream Contracting LLC	Trade Arabia FZE	04/11/2006	31/08/2007	1,100,000.00	Completed
70	(G+2) Labour Accommodation, Plot No. 598-1286, Dubai Investment Park	Electrical Works	Dar Al Arab Engineering Consultants	Core Contruction Company LLC	Zabeel Investments	25/10/2006	25/07/2007	650.000.00	Completed
69	Diplomat Heavy Industries FZE, Hamriyah	Construction of Office Block and sheds	Al Manzil Engineering Consultants	Diplomat Contracting LLC	Diplomat Group of Cos.	10/10/2006	25/11/2007	4,850.000.00	Completed
68	Commercial/Residential Building, Plot No. 231-204, Al Nahda First, Dubai	Electromechanical Works	The Fraser Nag Partnership/Ian Banham & Associates	Darwish Engineering Emirates	Green Coast Enterprises (Mr. Abdul Ghaffar Ghuloom Hussain)	27/09/2006	30/04/2009	27,460,577.00	Completed
67	Staff Accommodation for Emirates, Plots C-008-007, Tecom Investments, Dubai	Electromechanical Works	The Fraser Nag Partnership/Ian Banham & Associates	Al Nekhreh Contracting Co. LLC	Emirates Airlines	26/09/2006	01/06/2009	59,575,608.00	Completed
66	Fitness First Health Club, Burjuman Centre, Dubai	Construction/Fit Out of Fitness Health Club Levels 3,4,4M & 5	Group 3 Design Studio/Consultancy Services International	DCE Contracting LLC	Leisure Unlimited LLC	12/08/2006	15/05/2007	10,500,516.00	Completed
65	Production/Storage Facilities & Office Block Dubai Investment Park	Electrical Works	Orion Engineering Consultants	Core Contruction Company LLC	Asia Bolt Industries LLC	06/08/2006	16/10/2007	2,300,000.00	Completed
64	Lifestyle, Abu Dhabi Cooperative Society, Tourist Club, Abu Dhabi	Civil & MEP Works	–	Diplomat Engineering LLC	Landmark Group	28/06/2006	20/09/2006	453,134.00	Completed
63	Asian Palace Restaurant, Ajman	MEP Works	–	Saeed Saif Décor LLC	Asian Palace Resturant	16/06/2006	30/09/2006	1,500,000.00	Completed
62	2B+G+4 Typical Clinics & Office Buildings Dubai Healthcare City, Dubai	Chilled Water Piping System	Dimensions Engineering Consultants	Ghassan Ahmed Al Khaled & Co.	ACICO	23/05/2006	01/02/2007	785,000.00	Completed
61	Ritz-Carlton, DIFC, Dubai	Mechanical & Electrical Temporary Services	Gensler	Bougues-Target Engineering	Union Properties	23/05/2006	01/12/2006	1,750.000.00	Completed



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
60	G+1 Commercial Villas (6) at Umm Suqeim Second & Al Manarah, Dubai	MEPD Works	Archdome	Al Madar MGM Construction LLC	M/s Mohamed & Obaid Almulla	08/03/2006	24/02/2007	1,894,386.00	Completed
59	Warehouse on Plot No. 598-1164 Dubai Investment Park	Supply & Installation of Electrical, Telephone Data, Plumbing & Drainage Works	Image Engineering Consultants	Amana Steel Building Contracting Company LLC	PWC Logistics	07/03/2006	15/09/2006	4,080,000.00	Completed
58	Lifestyl, Marina Mall, Abu Dhabi	Electrical & HVAC Works	–	Diplomat Engineering LLC	Landmark Group	20/02/2006	05/09/2006	450,118.85	Completed
57	Sheraton Dubai Creek Hotel & Towers	Replacement Works of Cooling Tower Piping System	Torontec Engineering Consultants Middle East/Architectural Design Unit	DCE Contracting LLC	Almulla Group	11/02/2006	28/05/2006	1,995,000.00	Completed
56	Home Centre Showroom Breakwater Mall, Abu Dhabi	Ducting Works	–	Diplomat Engineering LLC	Landmark Group	01/02/2006	15/06/2006	1,400,000.00	Completed
55	Home Centre Showroom Breakwater Mall, Abu Dhabi	Electrical Works	–	Diplomat Engineering LLC	Landmark Group	01/02/2006	15/06/2006	850,000.00	Completed
54	Dubai Marina Development-District 7 Lots 7W & 7X - Dubai	Civil Works	Arif & Bintok	Nasa Multiplex LLC	Emmar Properties PJSC	21/01/2006	28/08/2007	3,000,000.00	Completed
53	Carrefour Hypermarket, Deira City Centre, Dubai	Design and Build-Refurbishment of Sales Area	–	DCE Contracting LLC	Majid Al Futtaim Hypermarkets LLC	20/11/2005	01/12/2006	3,679,909.00	Completed
52	G+1 Villa, Plot No. 95, Al Falaj, Sharjah	Construction of Villa	Al Baraha Engineering Consultants & Architects	Diplomat Building Contracting LLC	Mr. Mustafa Said Ahmed Sharaf	05/10/2005	10/04/2007	1,200,000.00	Completed
51	Carrefour Hypermarket, Villaggio Sports & Retail Centre, Doha Qatar	Design Construction & Maintenance of the Fit Out Works (MEP)	–	Diplomat Group WLL, Qtr	Majid Al Futtaim Hypermarkets Qatar LLC	01/10/2005	15/08/2006	21,250,000.00 (Qatari Riyal)	Completed
50	Ramada Hotel-Dubai	Renovation of Main Kitchen at the Mezanannine Floor	Torontec Engineering Consultants Middle East	DCE Contracting LLC	Almulla Group	25/08/2005	27/10/2005	2,385,575.00	Completed



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
49	Rose Tower Sheik Zayed Road,Dubai	Electrical ,Plumbing and Drainage Works (Temporary Works)	Khatib & Alami	Arabian Construction Company SAL	ABBCO Group	17/03/2005	12/09/2007	4,200,00.00	Completed
48	Landmark Showroom at Mall of the Emirates,Dubai	Design & Build-Air Conditioning, Electrical,Plumbing,Fire Fighting Works	–	Diplomat Engineering LLC	Landmark Group	16/03/2005	26/09/2005	7,350,000.00	Completed
47	Carrefour Hypermarket Century Mall,Al Mamzar,Dubai	Fit-Out(MEP)Works	Brewer Smith & Brewer Gulf/Mario Associates	Diplomat Engineering LLC	Majid Al Futtain Hypermarkets LLC	10/01/2005	23/08/2005	28,769,190.00	Completed
46	G+3 Residential Building, Plot No.314-152,Um Hurair-Dubai	MEPD Works	Diar Consult	Al Ghaith Building Construction LLC	Mohamed & Obaid Almulla(LLC)	21/12/2004	31/01/2006	6,490,000.00	Completed
45	Carrefour Hypermarket Mall of the Emirates,Al Barsha-Dubai	Fit-Out(MEP)Works	Holford Associates/WSP Middle East	Diplomat Engineering LLC	Majid Al Futtain Hypermarkets LLC	06/12/2004	26/09/2005	22,325,307.00	Completed
44	G+M+7 Comm./Res. Building,Plot 312-1307, AL Suq Al Kabber-Dubai	MEPD Works	The Fraser Nag Partnership/Torontec Eng. Consultants M.E.	Al Nekhreh Contracting Co. LLC	Mr. Buti Obaid Almulla	04/12/2004	30/12/2006	5,303,540.00	Completed
43	B+G+1 Villa, Plot No. L50,Emirates Hills-Dubai	MEP Works	Consult Limited	Ardo International Contracting LLC	Mrs.Manuela Sigrid Konig	10/11/2004	09/03/2006	2,210,000.00	Completed
42	SEAT Showroom,Offices,Garrage Offices at Sheik Zayed Road-Dubai	Air Conditioning Works	Al Maktab Al Asri Engineering Consultant	Diplomat Engineering LLC	Bin Dhaher Trading Enterprises	21/08/2004	19/02/2006	1,900,000.00	Completed
41	59Carrefour Hypermarket LLC,Al Jimi Mall,AL Ain	Design & Build Extension and Alteration Works	–	Diplomat Engineering LLC	Majid Al Futtain Hypermarkets LLC	18/08/2004	07/12/2004	3,888,550.00	Completed
40	Jaffer Villa-Sharjah	Overhauling of the Air Conditioning System	RPW Consulting Engineers	Gulf Dynamic Services	Mr. Hamid Jaffer	17/07/2004	21/05/2006	750,000.00	Completed



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
39	Astoria hotel-Dubai	Refurbishment of Chilled Water Pipelines	–	Diplomat Engineering LLC	Astoria Hotel	10/07/2004	15/10/2004	480,000.00	Completed
38	Indian Lounge 'Ushna' Souk Madinat Jumeirah Shop 21	MEP Works	Torontec Engineering Consultants Middle East	Orasia Interior Design Contracting LLC	Thomas Klein Intl.	25/06/2004	16/09/2004	579,519.00	Completed
37	Jebel Ali Power and Desalination Station "L" Phase 1	Electrical,Plumbing, and Drainage Works	Lahmeyer International	Al Rostamani Pegel L.L.C.	Dubai Electricity and Water Authority	01/03/2004	20/03/2005	1,500,000.00	Completed
36	Burj Dubai Old Town -Dubai	Air Conditinioning Works	Allied Consultants	Al Naboodah Laing O' Rourke Co. LLC	Emaar Properties PJSC	23/02/2004	29/06/2004	430,183.00	Completed
35	Carrefour Hypermarket Al Saqr, Abu Dhabi	Rectification of the Condensation of Floor Slab	Al Suweidi Engineering Consultants Bureu/J.M Regnault and Partners	Diplomat Central Airconditioning LLC	Majid Al Futtain Hypermarkets LLC	21/02/2004	25/02/2006	974,400.00	Completed
34	Souk AL Nakheel Snow Centre-Dubai	Electrical,Installation for Power Supply to the Construction Works	Hyder Consultants	Al Naboodah Laing O' Rourke Co. LLC	Majid Al Futtain Investments LLC	08/02/2004	30/06/2004	428,000.00	Completed
33	G+2 Labour Accommodation on Plot 264-430 Muhaisanah,Dubai	Supply & Installation of Mechanical,Electrical & Plumbing Works	Concept Consulting Engineers	Al Naboodah Laing O' Rourke Co. LLC	Mr. Saeed And Mohd. Juma Al Naboodah	15/12/2003	30/06/2004	2,360,000.00	Completed
32	Burj Dubai Mall Sales Office	Design,Supply,Installatio n & Commissioning of AirConditioning System	Allied Consultants	Penguin Engineering Ltd.	Emmar Properties PJSC	13/12/2003	30/04/2004	1,420,883.00	Completed
31	Burj Sales Pavilion-Dubai	Design,Supply & Installation of Air Conditioning System	Robert Mathew Johnson Marshall	Penguin Engineering Ltd.	Emmar Properties PJSC	02/09/2003	16/09/2004	488,794.00	Completed
30	10 Villas on Plot No. 332-871 at Jumeirah First-Dubai	Electromechanical Works	The Fraser Nag Partnership/Parsons Brin	Al Arif Contracting Co.	Mr. Mohamed Abdul Rahim Mohammed Al Ali	01/05/2003	05/01/2004	1,764,879.00	Completed
29	Carrefour Hypermarket Deira City Centre Dubai	Store Extension And Modifications	Schuster Pechtold and Partners	Diplomat Central Air Conditioning LLC	Majid Al Futtain	16/04/2003	30/05/2003	3,205,883.00	Completed



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
28	Paris Gallery-Deira City Centre-Dubai	Revamping of Air Conditioning Systems	Robertson Associates	Saeed Saif Décor LLC	Paris Gallery	30/12/2002	15/02/2003	530,000.00	Completed
27	Carrefour Hypermarket Ajman City Centre	Store Extension Works	J.M. Regnault and Partners	Diplomat Central Air Conditioning LLC	Majid Al Futtain Hypermarkets LLC	30/01/2002	08/06/2002	514,735.00	Completed
26	Al Saqr Carrefour Hypermarket Abu Dhabi	Smoke Extract System	J.M.Regnault and Partners	Diplomat Central Air Conditioning LLC	Majid Al Futtain Hypermarkets LLC	08/12/2001	05/07/2002	975,100.00	Completed
25	Sheik Zayed Mosque Sweihan	Air Conditioning Works	Al Burj Engineering	East Coast Hamriah Contracting Co.	PWD/Zayed Foundation	10/10/2001	15/11/2002	800,000.00	Completed
24	Home Centre-Sharjah	Revamping of Air Conditioning Systems	–	Diplomat Central Air Conditioning LLC	Landmark Group	10/10/2001	22/12/2001	575,000.00	Completed
23	Carrefour Hypermarket Markaz Al Jimi-Al Ain	Fit Out Works	J.M. Regnault and Partners	Diplomat Central Air Conditioning LLC	Majid Al Futtain Hypermarkets LLC	05/09/2000	27/03/2001	16,380,000.00	Completed
22	G+2 School-Dubai	Air Conditioning & Ventilation Works	Torontec Engineering Consultants Middle East	Al Arif & Al Mutawa Contracting LLC	Varkey Group of Schools	01/05/2000	01/09/2000	648,905.00	Completed
21	Carrefour Hypermarket Manar Mall-Ras Al Khaimah	Fit Out Works	J.M. Regnault and Partners	Diplomat Central Air Conditioning LLC	Majid Al Futtain Hypermarkets LLC	01/05/2000	31/08/2000	7,500,000.00	Completed
20	B+G+M+4 Building Dubai	MEP Works	Arif & Bintok	Intermass Engg. Contg. Co. LLC	Mr. Ali Abdul k Gargash	30/03/1999	01/07/2000	1,451,185.00	Completed
19	4 Villas-Plot No. 99 Al Falaj-sharjah	MEP Works	Al Teraz	Darwish Engineering	H.E. Dr. Abdullah	21/01/1999	01/11/2000	637,500.00	Completed
18	DWTC Convention Centre-Dubai	Air Conditioning Works	Torontec Engineering Consultants Middle East	Al Naboodah Laing	World Trade Centre	21/01/1999	31/05/1999	460,000.00	Completed
17	Sheik Zayed Mosque Ajman	Air Conditioning Works	Al Burj Engineering	Al Omari Construction & Building Co.	PWD/Zayed Foundation	16/01/1999	01/11/2000	940,000.00	Completed



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
16	Sheraton Hotel-Dubai Laundry Refurbishment	MEP Works	Torontec Engineering Consultants Middle East	Al Nekhreh Contracting Co. LLC	Abjar Group of Hotels	14/01/1999	30/06/1999	515,929.00	Completed
15	Sheik Zayed Mosque Fujairah	Air Conditioning Works	Al Burj Engineering	Al Omari Construction & Building Co.	PWD/Zayed Foundation	06/01/1999	01/11/2000	940,000.00	Completed
14	Sharp Middle East-Jebel Ali-Dubai	Air Conditioning Works	Robert Mathew Johnson Marshall	Penguin Engineering Ltd.	Sharp Middle East	01/08/1998	23/05/1999	735,000.00	Completed
13	Dubai Staff Dining Facilities -Dubai	Air Conditioning Works	GEMAC	Penguin Engineering Ltd.	Dubai Aluminium Company Ltd.	27/05/1998	01/02/1999	800,000.00	Completed
12	Emirates Training Centre-Dubai	Air Conditioning Works New Simulators	Robert Mathew Johnson Marshall	Penguin Engineering Ltd.	Emirates Airline	29/12/1997	01/06/1998	600,000.00	Completed
11	British Bank-Jebel Ali, Dubai	Air Conditioning Works (Chilled Water)	GEMAC	Khansaheb Civil Engineering	British Bank	15/11/1997	30/06/1998	800,000.00	Completed
10	Sharjah University (Boys & Girls College)- Sharjah	Mechanical Works for Chemistry Laboratory	Gambert Engineering Consulting & Decoration	Labtec	Sharjah University	12/07/1997	01/06/1998	1,350,000.00	Completed
09	Dubai College Extension -Dubai	Air Conditioning Works	GEMAC	Penguin Engineering Ltd.	Dubai College	18/06/1997	01/07/1998	527,860.00	Completed
08	American University-Sharjah	Mechanical Works for Chemistry Laboratory	Gambert Engineering Consulting & Decoration	Labtec	American University	05/06/1997	01/06/1998	675,000.00	Completed
07	Masreq bank Head Office -Dubai	Air Conditioning Works	Robert Mathew Johnson Marshall	Penguin Engineering Ltd.	Masreqbank	03/03/1997	01/08/1998	828,400.00	Completed
06	McDonald's Restaurant, Tourist Club, Abu Dhabi	MEP Works	Adnan Saffarani / Kennedy & Donkin ME	Diplomat Central Airconditioning LLC	Al Jazeera Restaurant Dev.	Jun 1996	Jul 1996	700,000.00	Completed
05	Burger King Restaurant, City Centre, Dubai	MEP Works	The Fraser Nag Partnership/Kennedy Donkin M.E.	Diplomat Central Airconditioning LLC	First Food Services	Mar 1996	Apr 1996	450,000.00	Completed



LIST OF MAJOR PROJECTS EXECUTED

SL.NO	PROJECT	SCOPE OF WORK	CONSULTANT	MAIN CONTRACTOR	CLIENT	STARTING DATE	COMPLETION DATE	VALUE (AED)	STATUS
04	McDonald's Restaurant, Tourist Club, Abu Dhabi	MEP Works	Adnan Saffarani / Kennedy & Donkin ME	Diplomat Central Airconditioning LLC	Al Jazeera Restaurant Dev.	Jan 1996	Feb 1996	400,000.00	Completed
03	Burger King Restaurant, Abu Dhabi	MEP Works	The Fraser Nag Partnership/Kennedy Donkin M.E.	Diplomat Central Airconditioning LLC	First Food Services	May 1995	Jul 1995	855,000.00	Completed
02	Burger King Restaurant, Dubai	MEP Works	The Fraser Nag Partnership/Kennedy Donkin M.E.	Diplomat Central Airconditioning LLC	First Food Services	Dec 1994	Jun 1995	635,000.00	Completed
01	Residential Complex for Doctors at Mafraq Hospital - Abu Dhabi	Air Conditioning Works & Chilled Water System	Arab Office for Planning and Architecture	Eastern Ltd	Mafraq Hospital	Sep 1992	Dec 1993	2,980,000.00	Completed



METHOD STATEMENT FOR MECHANICAL WORKS



METHOD STATEMENT

MECHANICAL WORKS

This method statement covers the detailed procedure for the startup & commissioning of Mechanical Works. This procedure defines the method used to ensure that the startup & commissioning of Mechanical Works have been carried out as per the contract specification, LOCAL, IEE regulation, relevant standards & approved shop drawings.

A. HVAC SERVICE

A.1 RESPONSIBILITY/SUPERVISION

- Project Manager shall have the overall responsibility of the project for execution, quality and safety. He shall maintain the planning progress and co-ordination of works with main contractor.
- Project / Site Engineer(s) shall be responsible for monitoring of the day-to-day activities on site, for materials, drawings, testing & commissioning and allocation of resources to work areas on site. He shall report to the Project Manager.
- Supervisor/ Charge Hand shall be directly responsible for the day-to-day job at site, for coordinating of work with Technicians or any other staff assigned his area.
- QA/QC Department will be overseeing the quality requirements and quality control measures for the project in coordination with Project/Site Engineer(s).
- Safety Officer shall be responsible for the health & safety aspects on site as per the Main contractor and safety Manual.



METHOD STATEMENT

A.2 PROCEDURE/ METHOD TO BE EMPLOYED

a) PRE-INSTALLATION CHECK

- Ensure that all safety requirements are in place in accordance with project safety plan.
- Ensure that the correct revisions of the approved shop drawing are being used. Note that any areas on the drawing are subject to revision, test should not proceed in these areas until an update drawing has been used.
- Ensure that all materials used have passed receiving inspection in accordance with QA procedures and are not damaged or defective. Any non-conforming testing instrument must be labeled and returned to specified redundant area.
- Ensure that all technicians and helpers are aware of using the correct testing instrument handling and testing procedure to ensure best quality of workmanship.

A.3 METHOD (PRE-COMMISSIONING CHECKS PRIOR TO START-UP)

a) MECHANICAL

- Carefully inspect the Equipments and check the installation with materials is complete.
- Check tightness of all nuts / bolts, screws, fasteners etc. as applicable.
- Check the ductwork connections are complete as per approved drawings / details.
- Ensure the indoor unit interiors and the ducts are clean and free from foreign material.
- Check the identification label/tag are provided as per the requirement



METHOD STATEMENT

b) ELECTRICAL

- Ensure the connected cables have been tested.
- Check all terminations are complete and tightened as required.
- Check the cabling / wiring including grounding is completed.
- Check the isolator switch is fixed close to the FAHU for emergency Power shutdown.
- Ensure all identification and labeling is completed.

c) START-UP AND TESTING ELECTRICAL

- Check the line voltage and phase rotation before energizing the power.
- Verify for the proper operation of the fan motor, verify the direction Of blower.
- Measure the current drawn (amperage) by the fan motors and record The same.
- Check for any abnormal noise and vibration on start-up. Rectify as / if required.
- After about an hour's operation, check that all nuts / bolts, screws, clamps etc. are tight and secure.
- Measure the total airflow delivered by the fan, check against the design flow and record the same in the approved format.
- Check the tension of 'V' Belts and adjust if required (where applicable).

d) INSPECTION

- Work Inspection Request shall be raised for Consultants approval.
- Inspection shall be recorded in the approved format



METHOD STATEMENT

A.4 PLANT & EQUIPMENT

- 1) Tool Box

Personnel Protective Equipment:

- 1) Helmets
- 2) Safety Shoes
- 3) Coveralls
- 4) Masks
- 5) Hand Gloves

A.5 MANPOWER REQUIREMENT

Manpower requirement like Site Engineer, Supervisor/ Foreman, and Technician depends upon the planning organization chart and site progress of works.

A.6 MATERIAL REQUIREMENT

- 1) HVAC Equipments, Ducts, Nuts, bolts, screws, Fasteners, clamps etc.

A.7 HOUSEKEEPING MATERIAL REQUIREMENT

All work places where our personnel are working will be cleaned from the scrap materials derived from their work ensuring clean and healthy work environment as well as to maintain free access and egress in the event of emergency.

A.8 CONTROL OF SAFETY & HEALTH HAZARDS HOUSEKEEPING MATERIAL REQUIREMENT

Implementation of Health & Safety mechanisms and checks shall be done as per contract agreement and the approved safety manual. The safety officer shall carryout the necessary routine inspections.

Safety Lighting: Safety lights will be used in case of power failure ensuring good illumination for the personnel.

Task Lighting: Adequate lighting will be provided ensuring the good illumination of the working area. Task lighting will be connected to the nearest site distribution board which is RCD protected.



METHOD STATEMENT

Emergency Arrangements: Site general safety procedure will be followed. In case of emergency the safety officer will stop the work. He will put in to action the emergency arrangements as described in safety Manual.

Risk Controls: Risk assessment and their controls are carried out for the following activity/ hazards and enclosed with this method statement.

- a) Using Hand Tools
- b) Disposal of waste material

A.9 TRAINING

Tradesmen performing the described work will be experienced technicians. If deemed necessary specific team/ Individuals will undergo further training and awareness programs for this activity by the Project/ QA-QC Departments. Toolbox talks will provide general training and awareness for each activity and also in health & safety matters and precautions.

A.10 DOCUMENTATION

The Form(s)/ Test Report (s) shall be used to verify the above activity to ensure that this activity is carried out as per the contract requirements.



METHOD STATEMENT

B. PLUMBING SERVICE

B.1 RESPONSIBILITY/SUPERVISION

- Project Manager shall have the overall responsibility of the project for execution, quality and safety. He shall maintain the planning progress and co-ordination of works with main contractor.
- Project / Site Engineer(s) shall be responsible for monitoring of the day-to-day activities on site, for materials, drawings, testing & commissioning and allocation of resources to work areas on site. He shall report to the Project Manager.
- Supervisor/ Charge Hand shall be directly responsible for the day-to-day job at site, for coordinating of work with Technicians or any other staff assigned his area.
- QA/QC Department will be overseeing the quality requirements and quality control measures for the project in coordination with Project/Site Engineer(s).
- Safety Officer shall be responsible for the health & safety aspects on site as per the Main contractor and safety Manual.



METHOD STATEMENT

B.2 PROCEDURE/ METHOD TO BE EMPLOYED

a) PRE-INSTALLATION CHECK

- Ensure that all safety requirements are in place in accordance with project safety plan.
- Ensure that the correct revisions of the approved shop drawing are being used. Note that any areas on the drawing are subject to revision, test should not proceed in these areas until an update drawing has been used.
- Ensure that all materials used have passed receiving inspection in accordance with QA procedures and are not damaged or defective. Any non-conforming testing instrument must be labeled and returned to specified redundant area.
- Ensure that all technicians and helpers are aware of using the correct testing instrument handling and testing procedure to ensure best quality of workmanship.

B.3 METHOD FOR PIPES & FITTINGS

a) STORAGE

- The pipes and fittings while unloading shall be slowly lowered not dropped to the ground.
- Timber supports of suitable size shall be placed at equal distance below the pipes.
- Pipes shall be stacked on a flat surface free from any sharp objects and shall be given adequate supports at all times.
- Pipes and fittings shall not be stored under direct sunlight.
- While stacking it shall be ensured that pipes of bigger sizes will be placed at the bottom and smaller sizes at top.



METHOD STATEMENT

b) INSTALLATION

- Ensure only approved drawings are used for installation.
- Mark the pipe routing on the soffit of slab or as required, duly coordinated with other services and as per approved layout drawings.
- Install hangers and supports with approved material.
- The spacing of the supports for the vertical and horizontal pipes shall be in accordance with the approved details drawings and standards as applicable.
- The pipes shall be installed at designated levels as per the coordinated layout.
- The pipes are cut to required length, and all sharp edges and burrs shall be removed.
- Before jointing, the pipes and fittings shall be checked for defects and the jointing surfaces are cleaned thoroughly.
- The copper pipes shall be jointed by brazing by suitably qualified and skilled tradesmen.
- Only manufacturer's fittings shall be used for jointing, change in direction, change in sizes etc., as required.
- Expansion couplers / bellows shall be installed in the piping, where it crosses the buildings expansion joints.
- The entire piping shall be evenly pitched to achieve 0.2 percent slope towards drain valves.
- All valves shall be installed in an easily accessible location and adequate space shall be available for maintenance.
- PRVs will be installed as per manufacturer's instructions at locations approved on layout drawings.
- All pipe joints shall be left exposed until satisfactory completion of hydrostatic pressure testing.



METHOD STATEMENT

- All hot water copper pipes shall be plastic coated.
- Drain valves shall be installed at all low points.
- The pipe work, valves etc., shall be identified as per specifications and approved submittals.

c) **INSPECTION**

- Work Inspection Request shall be raised for Consultants approval.
- Inspection shall be recorded in the approved format

B.4 METHOD FOR DOMESTIC PUMPS

a) MECHANICAL

- Check and inspect the installation of Domestic Water Pumps is complete; verify the installation as per approved drawings.
- Obtain installation certification from manufacturer or their authorized representative.
- Check and ensure adequate clearance available for service and maintenance of pumps and motors.
- Check all nuts, bolts, screws, fasteners etc., are fixed and tightened as required.
- Ensure the piping is pressure tested. Verify test certificates.
- Check all piping connections are complete at pumps, flow meter and pressure relief line including flexible connections where applicable.
- Check and ensure the piping is flushed and cleaned.
- Check and verify the water level in the water tank is full.
- Check and ensure safety guards are in place and secure.
- Adjust desired cut-in and cut off pressure as per requirements.
- Rotate the pump manually and ensure free and smooth rotation.



METHOD STATEMENT

- Ensure the pumps are cleaned prior to start up and all identification labels and tags are in place.

b) ELECTRICAL

- Check all power cabling and control wiring is completed.
- Check the power isolator is fixed close to the pump motor for emergency stop and power isolation, as per approved drawings/details.
- Check all terminations are completed and tightened as required.
- Check the grounding connections are completed and tightened as required.
- Ensure the overload protections are set correctly as per the pump motor load current.
- Ensure all identification tags and labeling works are complete.

c) INSPECTION

- Work Inspection Request shall be raised for Consultants approval.
- Inspection shall be recorded in the approved format

B.5 PLANT & EQUIPMENT

- 1) Tool Box

Personnel Protective Equipment:

- 1) Helmets
- 2) Safety Shoes
- 3) Coveralls
- 4) Masks
- 5) Hand Gloves



METHOD STATEMENT

B.6 MANPOWER REQUIREMENT

Manpower requirement like Site Engineer, Supervisor/ Foreman, and Technician depends upon the planning organization chart and site progress of works.

B.7 MATERIAL REQUIREMENT

2) Pump, Pipes & Fittings, Nuts, bolts, screws, Fasteners, clamps etc.

B.8 HOUSEKEEPING MATERIAL REQUIREMENT

All work places where our personnel are working will be cleaned from the scrap materials derived from their work ensuring clean and healthy work environment as well as to maintain free access and egress in the event of emergency.

B.9 CONTROL OF SAFETY & HEALTH HAZARDS HOUSEKEEPING MATERIAL REQUIREMENT

Implementation of Health & Safety mechanisms and checks shall be done as per contract agreement and the approved safety manual. The safety officer shall carryout the necessary routine inspections.

Safety Lighting: Safety lights will be used in case of power failure ensuring good illumination for the personnel.

Task Lighting: Adequate lighting will be provided ensuring the good illumination of the working area. Task lighting will be connected to the nearest site distribution board which is RCD protected.

Emergency Arrangements: Site general safety procedure will be followed. In case of emergency the safety officer will stop the work. He will put in to action the emergency arrangements as described in safety Manual.

Risk Controls: Risk assessment and their controls are carried out for the following activity/ hazards and enclosed with this method statement.

- a) Using Hand Tools
- b) Disposal of waste material



METHOD STATEMENT

B.10 TRAINING

Tradesmen performing the described work will be experienced technicians. If deemed necessary specific team/ Individuals will undergo further training and awareness programs for this activity by the Project/ QA-QC Departments. Toolbox talks will provide general training and awareness for each activity and also in health & safety matters and precautions.

B.11 Documentation

The Form(s)/ Test Report (s) shall be used to verify the above activity to ensure that this activity is carried out as per the contract requirements.



METHOD STATEMENT

C. DRAINAGE SERVICE

C.1 RESPONSIBILITY/SUPERVISION

- Project Manager shall have the overall responsibility of the project for execution, quality and safety. He shall maintain the planning progress and co-ordination of works with main contractor.
- Project / Site Engineer(s) shall be responsible for monitoring of the day-to-day activities on site, for materials, drawings, testing & commissioning and allocation of resources to work areas on site. He shall report to the Project Manager.
- Supervisor/ Charge Hand shall be directly responsible for the day-to-day job at site, for coordinating of work with Technicians or any other staff assigned his area.
- QA/QC Department will be overseeing the quality requirements and quality control measures for the project in coordination with Project/Site Engineer(s).
- Safety Officer shall be responsible for the health & safety aspects on site as per the Main contractor and safety Manual

C.2 PROCEDURE/ METHOD TO BE EMPLOYED

b) PRE-INSTALLATION CHECK

- Ensure that all safety requirements are in place in accordance with project safety plan.
- Ensure that the correct revisions of the approved shop drawing are being used. Note that any areas on the drawing are subject to revision, test should not to proceed in these areas until an update drawing has been used.
- Ensure that all materials used have passed receiving inspection in accordance with QA procedures and are not damaged or defective. Any non-conforming testing instrument must be labeled and returned to specified redundant area.



METHOD STATEMENT

- Ensure that all technicians and helpers are aware of using the correct testing instrument handling and testing procedure to ensure best quality of workmanship.

C.3 METHOD FOR PIPES & FITTINGS

a) STORAGE

- The pipes and fittings while unloading shall be slowly lowered not dropped to the ground.
- Timber supports of suitable size shall be placed at equal distance below the pipes.
- Pipes shall be stacked on a flat surface free from any sharp objects and shall be given adequate supports at all times.
- Pipes and fittings shall not be stored under direct sunlight.
- While stacking it shall be ensured that pipes of bigger sizes will be placed at the bottom and smaller sizes at top.

b) INSTALLATION

- Pipes are brought to the work place manually from store to the hoist area and are shifted to the respective floors through the hoist.
- Mark-up the pipe routing on the soffit of slab as per the setting-out.
- Install anchor fasteners for support as per the approved support distances for different pipe sizes.
- All supporting of pipes will be done as per specified spacing both horizontally and vertically. Supporting of both horizontal & vertical pipes shall be done in accordance with the approved details, drawings and specifications.
- Pipes will be run to proper slope requirements as per the approved shop drawing.



METHOD STATEMENT

- Pipes & fittings will be joined by solvent weld jointing for pipe sizes 1 1/4" to 2". Following steps, will be taken during the jointing.
- Pipes will be cut to square before assembly of fittings & all burrs to be rubbed-off.
- Cleaning fluid to be applied on both surfaces to be joined. The cleaning fluid will remove all dirt & soften the surface for the chemical solvent weld.
- Solvent cement will be applied evenly over mating surfaces of the both pipe & socket, and insert pipe into the socket with slight twisting action to full socket depth.
- Surplus cement of the joint will be removed by cloth.
- After jointing, it will be allowed for 3 minutes to get dried.
- Clean-outs are provided to enable the maintenance in case of choking of drainage system at each change of direction.
- Expansion couplings are provided at necessary locations as per manufacturer's recommendations & shop drawing. Refer Annexure-I for Manufacturer's recommendation to allow for the expansion.
- All open-ended pipes to be plugged during installation phase.
- Pipes & fittings will be joined by push fit method for the pipe sizes 3" to 6". Following steps taken during installation.
- Ensure that the mating areas of spigot and socket are thoroughly clean and square.
- Set the rubber ring into groove.
- Assess the full socket depth by simple measurement and mark spigot accordingly.
- Apply lubricant to the spigot side and to the side of the joint on rubber.
- Accurate axial alignment of the spigot and prior to jointing is important, hand feed spigot into rubber joint until resistance from the inner sealing section is felt.



METHOD STATEMENT

c) HYDROSTATIC TESTING :

- Water test is conducted to ensure and prove the tightness of the joints and ensure there are no leaks in the piping system.
- The water pressure test can be applied to the system in its entirety or in sections.
- No section of the pipe shall be tested to less than 1.5 meter head of water. In testing successive sections of piping, at least the upper 3 meters of the next proceeding section will be tested.
- The water shall be kept in the system or in the portion under test for at least 30 minutes before inspection starts. While the system is under pressure, a careful inspection shall be made on all pipes and joints. If any leaks in joints or evidence of defective pipe or fittings are revealed, the defective pipe/fitting should be immediately replaced with new joints and materials.
- Testing will be inspected by Main Contractor / Consultant to their satisfaction and document for correct test will be maintained by getting approval in test certificate by Consultant and Main Contractor.

C.4 METHOD FOR SUMP PUMPS

a) STORAGE

- Pump shall be stored on a flat surface in well ventilated storage area.
- Inlet and outlet flange blanks shall not be removed until ready for connection to pipe work.
- Manufacturer's instructions shall be strictly followed as applicable.
- If the pumps are stored for longer periods the shaft shall be periodically rotated and lubricated, if required.
- The stored pumps are to be inspected periodically for obvious conditions such as standing water, parts theft, excess dirt buildup or any other abnormal condition.
- Storekeeper will be responsible for proper storage and maintenance of records, as required.



METHOD STATEMENT

b) PREPERATION

- The sump pit designed to meet Dubai Municipality requirements shall be provided by Civil Contractor (NMX).
- Examine the sump pits for suitability as per approved drawings/requirements.
- Check and ensure that the shop drawings used are latest and approved for construction.
- Diplomat will coordinate the locations and requirements as per approved shop drawings.
- Check the piping support locations, cable entry floats are coordination in coordination with pump and piping layout and ensure they are not obstruction the space around pump.
- Ensure easy access and sufficient clearance for servicing and maintenance i.e. for replacement of pump.
- Ensure vertically of guide rails for easy removal of pump for maintenance.

d) INSTALLATION

- Provide proper ventilation before getting into the sump pit.
- Mark the location of the pump guide rail, piping works in line with the shop drawings / requirement.
- Drill the suitable size holes were applicable.
- Shift the pumps and other associated accessories to the place of installations in safe manner use hand trolley / fork lift /crane as applicable / required as per site conditions.
- Check and ensure free rotation of shaft.
- Position the pump base on the area, which are already marked and drilled. After proper alignment fix the duct foot bend properly.
- Fix guide rail and lifting chain properly.



METHOD STATEMENT

- Complete the piping and valve package installation as per approved drawings.
- Install the electrical control panel and power connections as per approved drawings.
- Provide grounding wiring as per approved shop drawing / manufacture recommendation.
- Follow the manufacturer's instructions while installing the pump.
- After completion of the installation, same shall be checked and certified by the manufacturer / authorized local representative.

e) Inspection

- After completion and pump installation and piping connections, the same shall be checked and certified by the pump manufacturer / authorized local representative.
- Request for inspection shall be raised for consultant's inspection.

C.5 PLANT & EQUIPMENT

2) Tool Box

Personnel Protective Equipment:

6) Helmets

7) Safety Shoes

8) Coveralls

9) Masks

10) Hand Gloves

C.6 MANPOWER REQUIREMENT

Manpower requirement like Site Engineer, Supervisor/ Foreman, and Technician depends upon the planning organization chart and site progress of works.



METHOD STATEMENT

C.7 MATERIAL REQUIREMENT

3) Sump Pump, Pipes & Fittings, Nuts, bolts, screws, Fasteners, clamps etc.

C.8 HOUSEKEEPING MATERIAL REQUIREMENT

All work places where our personnel are working will be cleaned from the scrap materials derived from their work ensuring clean and healthy work environment as well as to maintain free access and egress in the event of emergency.

C.9 CONTROL OF SAFETY & HEALTH HAZARDS HOUSEKEEPING MATERIAL REQUIREMENT

Implementation of Health & Safety mechanisms and checks shall be done as per contract agreement and the approved safety manual. The safety officer shall carryout the necessary routine inspections.

Safety Lighting: Safety lights will be used in case of power failure ensuring good illumination for the personnel.

Task Lighting: Adequate lighting will be provided ensuring the good illumination of the working area. Task lighting will be connected to the nearest site distribution board which is RCD protected.

Emergency Arrangements: Site general safety procedure will be followed. In case of emergency the safety officer will stop the work. He will put in to action the emergency arrangements as described in safety Manual.

Risk Controls: Risk assessment and their controls are carried out for the following activity/ hazards and enclosed with this method statement.

- a) Using Hand Tools
- b) Disposal of waste material



METHOD STATEMENT

C.10 TRAINNG

Tradesmen performing the described work will be experienced technicians. If deemed necessary specific team/ Individuals will undergo further training and awareness programs for this activity by the Project/ QA-QC Departments. Toolbox talks will provide general training and awareness for each activity and also in health & safety matters and precautions.

C.11 Documentation

The Form(s)/ Test Report (s) shall be used to verify the above activity to ensure that this activity is carried out as per the contract requirements.



METHOD STATEMENT FOR ELECTRICAL WORKS



METHOD STATEMENT

ELECTRICAL WORKS

This method statement covers the detailed procedure for the startup & commissioning of Mechanical Works. This procedure defines the method used to ensure that the startup & commissioning of Mechanical Works have been carried out as per the contract specification, LOCAL, IEE regulation, relevant standards & approved shop drawings.

A. INSTALLATION OF L.V PANEL

A.1 Scope

- 1.1 This method statement details the method of installation of L.V main Panels (LVPs) according to the Specification.

A.2 Material

- 2.1 All materials shall be as per approved material submittals, shop drawing and single line diagram.
 - 2.1.1 L.V. Main Panels.
 - 2.1.2 Cable glands and lugs.
 - 2.1.3 Identification labels and tags.

A.3 Applicable Location

- 3.1 L.V. rooms for Located in Ground floor.

A.4 Method

4.1 Storage

Note: L.V. Panels will be offered for factory inspection/witness by Design Consultant prior to material dispatch

- 4.1.1 LVP's shall be inspected upon receipt at site for damages and compliance with the approved submittals and Single line Diagram.
- 4.1.2 Upon completion of receiving inspection, the LVP's shall be positioned at the respective LV room locations with suitable crane arrangements.



METHOD STATEMENT

4.1.3 LVPs found with transportation damages shall be recorded and notified to the concern party for further action.

4.1.4 LVP's shall be covered with polythene sheets to protect from dust and moisture.

4.2 Installation

4.2.1 Ensure approved documents like shop drawing, SLD, electrical room layout and load schedules are available with the installation team.

4.2.2 Check the label/markings to ensure that it is the right panel and check the position according to the shop drawing.

4.2.3 Check the breaker rating and the provision for cable / bus bar termination.

4.2.4 Set the breaker current rating as per approved shop drawing.

4.2.5 Terminate the incoming and outgoing cable as per single line diagram using proper tools.

4.2.6 Megger the panels after connecting the compartments.

4.2.7 Megger the cables before terminating.

4.2.8 Megger the panel after termination, when I/C open and O/G closed.

4.2.9 Check working of motorized breakers.

4.2.10 Clean the termination and breaker cubicles with vacuum cleaner and hand brush to clean the dust and small metal pieces fallen during cable cutting and terminating process.

4.2.11 Ensure the busbars and interconnecting terminals are free from dust and damage.

4.2.12 Provide identification for all the cable termination as per specification requirement and SLD.

4.2.13 Dress the cables neatly with cable ties / cable cleat.

4.2.14 Double check the connections by tightening the terminations.



METHOD STATEMENT

4.2.15 Keep the approved single line diagram near the LVP's (photo framed), wall mounted inside the substation.

4.2.16 Inspection shall be offered for QC Verification before DEWA inspection.



METHOD STATEMENT

B INSTALLATION OF GENERATOR

B.1 Scope

- 1.1 This method statement details the method of installation of Generator according to the Specification.

B.2 Material

- 2.2 All materials shall be as per approved material submittals, shop drawing and single line diagram.
 - 2.1.4 Generator.
 - 2.1.5 Cable glands and lugs.
 - 2.1.6 Identification labels and tags.

B.3 Applicable Location

- 3.1 Generator Room – Ground floor.

B.4 Method

4.1 Storage

- 4.1.1 Generator shall be inspected upon receipt at site for damages and compliance with the approved schematic.
- 4.1.2 Upon completion of receiving inspection, the Generator shall be positioned at the correct locations in Generator room with suitable crane arrangements.
- 4.1.3 Generator found with transportation damages shall be recorded and notified to the concern party for further action.
- 4.1.4 Generator shall be covered with polythene sheets to protect from dust and moisture.



METHOD STATEMENT

4.2 Installation

4.2.1 Generator:

4.2.1.1 Installation Procedure:

- Specification sheets will be checked for the dimension & weight of the generator sets and mounting points.
- DG set of both ratings will be mounted on a concrete plinth.
- Installation locations will be as per approved shop drawings.

4.2.1.2 Engine Exhaust System:

- Flexible exhaust tubing will be connected to the engine to take up thermal expansion and generator set movement and vibration.
- Exhaust silencer shall be mounted so that the engine does not support the weight of the silencer.
- Flexible tubing will not be used to form bends or to compensate for misalignment of piping.
- Mufflers and piping will be supported by Non-combustible hangers or supports.
- Precaution shall be taken to rule out any possibility of combustible material coming in contact, close to the exhaust piping. Approved non-combustible material shall be used where exhaust piping passes through combustible walls or ceiling etc.
- Horizontal runs of exhaust piping will be sloped downwards away from the engine to out of doors to avoid condensate water entering engine.
- Installation will be as per approved shop drawings.
- Exhaust pipe opening outside the building shall be arranged to avoid entry of rainwater and shall be fitted with bird guard.
- On confirmation of the routing of the exhaust pipe, the number of bends & length will be communicated to the manufacturers & suitable diameter of exhaust pipe will be selected for minimum back pressure.

4.2.1.3 Air Intake and Radiator Exhaust

- Intake and exhaust air louvers will be sized and located to provide sufficient intake air for engine combustion and to provide required airflow through the radiator.
- Duct work with flexible connecting section will be sized and located to provide sufficient intake air for engine combustion and to provide required airflow through the radiator.



METHOD STATEMENT

- The allowable pressure drop will be checked with the manufacturer after confirming the layout and will be informed to the louver supplier / manufacturer, for co-ordination purposes.

4.2.1.4 Access for Installation

- Access opening for installing the Generator will be indicated on shop drawings.



METHOD STATEMENT

C SUB MAIN DISTRIBUTION BOARDS (SMDB's)

C.1 Scope

- 1.2 This method statement details the method of Installation, Testing & Commissioning of Sub Main Distribution Boards (SMDBs) according to the Specification.

C.2 Material

- 2.3 All materials shall be as per approved material submittals, shop drawing and single line diagram.
- 2.1.7 Sub Main Distribution Board.
2.1.8 Cable glands and lugs.
2.1.9 Identification labels and tags.

C.3 Applicable Location

- 3.2 L.V. rooms, Butchery area, Bakery Area Electrical room in first floor .

C.4 Method

4.1 Storage

- 4.1.5 SMDB's shall be inspected upon receipt at site for damages and compliance with the approved submittals.
- 4.1.6 Upon completion of receiving inspection, the SMDB's shall be repacked.
- 4.1.7 Material found not suitable for the project is removed from site immediately.
- 4.1.8 Sub Main Distribution Boards shall be stored in a covered and ventilated store.
- 4.1.9 Sub Main Distribution Boards are stored in with packing as per manufacturer's recommendations. Packing shall be removed only prior to installation.



METHOD STATEMENT

4.2 Installation

- 4.2.17 Ensure approved documents like shop drawing, electrical room layout and load schedules are available with the installation team.
- 4.2.18 Shift the particular Sub Main Distribution Boards and associated accessories to the work place with crane or Lift. Packing will be removed at the position of installation.
- 4.2.19 Check the label/markings to ensure the right board before installation.
- 4.2.20 Mark the fixing position of the SMDB's as per shop drawing, coordinate with other equipment and services.
- 4.2.21 Fix the SMDB's with proper metal plugs and bolts. Ensure the installation is straight and leveled.
- 4.2.22 Suitable knock-out at the top of the SMDB's shall be used for Incoming and Outgoing cable entry.
- 4.2.23 File the knock-out to suit the cable glands and lugs for rigid terminations.
- 4.2.24 Suitable equipotential earthing will be provided in accordance with DEWA requirement.
- 4.2.25 Ensure the busbars and interconnecting terminals are free from dust and damage.
- 4.2.26 Check the breakers as per approved load schedule.
- 4.2.27 Megger the panel.
- 4.2.28 Megger the cables before termination.
- 4.2.29 Terminate all the circuits to its respective breakers with proper ferrule identification.
- 4.2.30 Dress the cables neatly with cable ties/ cable cleat.
- 4.2.31 Double check the connections by tightening the terminations.



METHOD STATEMENT

4.2.32 Clean the SMDB's after dressing with blower to blow out all the small particles and dust after the termination works.

4.2.33 Provide identification labels as per specification / approved submittals.

4.2.34 Place the approved load schedule copy inside the SMDB's door.

4.2.35 Inspection shall be offered to QC Verification.

C.5 **Testing & Commissioning:**

5.1 Instruments.

5.1.1 Insulation tester.

5.1.2 ELCB Tester.

5.1.3 Multimeter.

Note : The instruments used for testing and commissioning shall be checked and ensured that they are calibrated and the current valid calibration reports are filed for record.

5.2 Method

5.2.1 **Physical check** – Conduct A thorough visual check is conducted to ensure the components and the connections are made correctly, and recorded on the checklist as attached.

5.2.2 **Polarity check** – Conduct polarity check to ensure the switch and the screw lamp connections are correct and record on the attached format.

5.2.3 **Continuity check** – With the help of a Multimeter, the continuity of all the circuits are checked and ensured the resistance value is under the permissible limit.

5.2.4 **Insulation check** – Use a insulation tester to check is there any break down of insulation between conductors, if any replace it immediately. Also record the insulation resistance value of all the circuit in the attached format.



METHOD STATEMENT

5.2.5 **ELCB and Polarity Test** - With the help of ELCB tester check the function of the earth leakage circuit breaker at rated current.

C.6 Safety

- 6.1 Safety Officer shall ensure that the technicians have undergone safety Induction program.
- 6.2 Only experienced technicians shall be engaged for this specialized job.
- 6.3 Workmen shall be given proper training to use PPE and to be monitored to avoid any violation on the same.
- 6.4 Electric tools to be checked and certified by Safety Officer and earthing of the same shall be ensured
- 6.5 All other safety precautions shall be followed as per established safety plan and procedures.



METHOD STATEMENT

D. MOTOR CONTROL CENTRE & VFD

D.1 Scope

This method statement details the method of installation of Motor Control Centres and Variable Frequency Drives, as per project Specification

D.2 Material

- 2.4 All panels / materials / components shall be as per approved material submittals.
- 2.5 Panel dimension, arrangement and control sequencing shall be as per approved drawings.
- 2.3 Ensure the panel is factory tested and verify test reports.

D.3 Applicable Location

- 3.1 MCC's at roof and ground floor.
- 3.2 VFD's at ground floor.

D.4 Method

4.1 Storage

- 4.1.1 All components / materials received at site shall be inspected and ensured against approved material submittal.
- 4.1.2 Any discrepancies, damages etc. shall be notified immediately for further action.
- 4.1.3 MCC Panel / VFD's shall be carefully unloaded from the vehicle using Crane / Fork lift and moved to suitable place for storage.
- 4.1.4 Items found not suitable for the project shall be removed from site immediately.
- 4.1.5 MCC Panel / VFD's shall be stored in a covered place separately as per manufacturer recommended ambient condition.



METHOD STATEMENT

4.1.7 MCC Panel / VFD's shall be covered properly to prevent dust and contamination.

4.2 Installation

4.2.1 Shift the panel from stores to the installation spot using fork lift.

4.2.2 For floor mounted panels, the exact location of the panel and fixing holes to be marked on the concrete plinth provided by others for the installation.

4.2.3 Remove the packing and ensure that the panel is free from transportation damages.

4.2.4 For wall mounted panels, the exact location of the panel and fixing holes to be marked based on approved shop drawing keeping panel in place and will be fixed in an approved manner.

4.2.5 Position the panel on the plinth and align properly.

4.2.6 Anchor the panel as required and ensure it is fixed securely to the plinth, as per approved drawings.

4.2.7 Terminate the incoming and outgoing power and earthing cable as per approved single line diagram (SLD) using proper tools.

4.2.8 Conduct insulation tests to ensure the healthiness of the panels.

4.2.9 Provide proper access around the panel for future maintenance.

4.2.10 Ensure the services containing water are away from the panel.

4.2.11 Identification of panel and outgoing breaker shall be verified against approved shop drawings.



METHOD STATEMENT

- 4.2.11 Incoming and outgoing cables shall be marked / identified as per approved shop drawings.
- 4.2.13 All components of the panel such as MCCB, MCB, Relays, Fuses, Meters, CT's, Contactors, Terminals, etc. shall be verified against the approved panel internal drawing for correct rating and size.
- 4.2.14 Any internal connections / modifications will be carried out by the Manufacturer's representative.
- 4.2.15 All breakers (incoming / outgoing) shall be in "OFF" position and to be locked to prevent mishandling.
- 4.2.16 Check and ensure adequate space is available for maintenance.
- 4.2.17 After installation panel shall be properly cleaned and protected with plastic covers to prevent from dust and contamination until commissioning time.
- 4.2.18 Inspection request shall be raised for Consultant's and NMX inspection.



METHOD STATEMENT

E. XLPE CABLE

1.0 Scope

This method statement details the method of installation of XLPE Cables in Cable Tray and Ladders.

2.0 Material

2.6 All materials shall be as per approved material submittals (schedule of materials attached herewith).

2.7 Sizes of wires shall be as per approved shop drawings.

3.0 Applicable Location

3.1 Ground Floor, First Floor and Roof

4.0 Method

4.1 Storage

4.1.1 All materials received at site shall be inspected and ensured against approved material submittal.

4.1.2 Any discrepancies, damages etc. shall be notified immediately for further action.

4.1.3 Unloading the drum should be by Forklift or Crane, rolling should be avoided.

4.1.6 Drums should be kept in up right position. Be sure that the end seal cap is still in place.

4.1.5 Materials shall be stacked properly as per manufacturer's recommendation and covered to prevent dust and water / moisture.



METHOD STATEMENT

4.2 Installation

4.2.1 XLPE Cables

- 4.2.1.1 Ensure the relevant current / approved shop drawings are available with installation team. The safety precautions to be followed by site team, ensured by supervisor.
- 4.2.1.2 Check the cable drum for any external damage during transportation and ensure the type of cable against area of usage / application.
- 4.2.1.4 Drums should be normally mounted so that the cable is pulled from the top of the drum.
- 4.2.1.5 The cable should preferably be drawn to its final position in a continuous manner. During stops, it will settle between rollers and may cause high strain on during restarting.
- 4.2.1.6 When pulling cables beside existing cables, special care should be taken to avoid damage when installing the cable in cable tray.
- 4.2.1.7 At the bend cable shall be guided by rollers; direct touch with trench wall shall be completely avoided. The cable should be tie to tray and ladder in regular intervals.
- 4.2.1.9 Leave enough length of cables at both ends for termination.
- 4.2.1.10 Proper glanding to be done at the both ends.
- 4.2.1.11 Provide identification to both ends of cables



METHOD STATEMENT

E. EARTHING

E.1 Scope

- 1.1 This method statement details the method of installation of Earthing System as per specification

E.2 Material

- 2.1 Material used for the system is as per BS : 7671 and BS : 7430.

E.3 Applicable Locations

- 3.3 All the LV Panels ,Telephone system service exposed will be bonded to the earthing system.

E.4 Method

4.1 Storage

- 4.1.1 All materials received at site shall be inspected by QA Engineer and ensured that the materials are as per approved material submittal.
- 4.1.2 Any discrepancies, damages etc. shall be notified and reported for further action.
- 4.1.3 Material found not suitable for the project to be removed from site immediately.
- 4.1.4 Earthing material shall be stored in a covered/dry place at all times to avoid corrosion.

4.2 Installation of LV Earthing System

- 4.2.1 As per approved shop drawings identify location of earth pits.
- 4.2.2 Co-ordinate with Main Contractor for installation of earth pits with approved fixing details.
- 4.2.3 The copper earth rod will be driven manually in earth. After achieving a minimum depth of approximately 3 meters, the earth



METHOD STATEMENT

resistance will be measured. If the earth resistance value is not satisfactory, the process of adding further earth electrodes shall be continued till expected resistance value of less than 1 ohm is achieved.

- 4.2.4 Adjacent earth electrodes shall be spread to atleast 1 length of one of the driven electrodes (6 mtrs) to achieve result of less than 1 ohm. Work Inspection Request (WIR) to be issued.
- 4.2.5 The earth pit shall be installed after completion of installation of earth rods and a clear gap of 50 mm shall be maintained between top of earth electrode and earth pit cover. The top of earth pit shall be in level with the finished floor level in the area.
- 4.2.6 The PVC sheathed single core earthing cables of specified sized as per shop drawings shall be laid between the earth pit and the earth bar inside the building and terminated with approved type lugs/clamps.
- 4.2.7 The interconnection of earth pit shall be as per approved shop drawing.
- 4.2.8 All earthing connections shall be made after cleaning the surfaces thoroughly and tightness checks for each connection shall be performed.
- 4.2.9 Continuity of earth connections shall be checked for every link in the network by QA Engineer. Issue WIR. All joints to rods to have shrink wrap protection applied.
- 4.2.10 The down-stream earthing connections from earth bars shall be made to the panel boards, frames and other equipment as per approved shop drawings.
- 4.2.11 Along with all power cables on earth cable of size as per approved shop drawings shall be laid and it shall be terminated to the earth bar of the panel/equipment which it feeds, in addition with local earthing from earth bar.
- 4.2.12 On completion of total earthing system and testing, WIR will be submitted for approval to Design Consultant.
- 4.2.13 The extent of bonding requirements to be identified and agreed between R&P and MACE.



METHOD STATEMENT

E.5 Installation of Equipotential Bonding

- 5.1 The metallic frame of all electrical equipments shall be connected to the nearest earth bar with a specified size of earth cable.
- 5.2 The earthing continuity of cable trays and trunking shall be maintained with earth links on each joints of cable trays and trunking shall be connected to earth bar with specified size of earth cable.
- 5.3 Flexible earth cable spiral shall be used for the earthing connections when there is possibility of expansion/contraction and also where vibrating equipment is installed.
- 5.4 The metallic water lines shall be bonded by an earthing cable of size not less than 6mm²
- 5.5 All bonding connections shall be checked for correct tightness and cleanliness.
- 5.6 WIR will be issued for signature to JMR Consultant.

E.6 Safety

- 6.1 All safety precautions shall be followed as per established project safety plan and procedure.



PROJECT QUALITY PLAN



PROJECT QUALITY PLAN

1.0 Purpose & Scope

The purpose of this quality plan is to define specific key requirements related to quality performance and ensures a thorough understanding of such by all project parties concerned.

Through PROJECT QUALITY PLAN awareness and implementation the performance of the engineering, procurement construction and support functions may effectively and efficiently achieve their objectives and provide the Client with a project that fulfills their quality requirements and expectations.

The PROJECT QUALITY PLAN is supplemental to DIPLOMAT Quality Management System (QUALITY MANAGEMENT SYSTEM) and provides the mechanism to link specific requirements of the Client / project to those of DIPLOMAT quality system.

In summary the PROJECT QUALITY PLAN detail is the activities and responsibilities related to

- Mobilization
- Engineering
- Procurement and Material Management
- Planning
- Execution
- Coordination for Major Subcontractors and Specialists
- Quality Control
- Contracts Administration
- Document Control
- Warehousing
- Quality Assurance
- Site Administration

And ensuring that these related activities are planned, implemented and controlled and their progress and effectiveness is monitored. The above summarized and referenced key activities are further expanded upon within the following PROJECT QUALITY PLAN Section 2.0.



PROJECT QUALITY PLAN

2.0 Key Activities and Output

Necessary project planning and controls shall be established as part of the developed DIPLOMAT Quality Management System and as appropriate the quality plan refers to this documentation under the key activity headings within this section.

2.1 Mobilization

Mobilization is defined as the period starting from contract award and continuing until all Construction Support facilities and infrastructure is complete. Key activities and controls to be established are:

- Programs - design /procurement / construction.
- Plant and equipment approved budget
- Organization and staff resources
- Document control system
- Procurement tracking system
- Project Quality Plan (including method statement scheduling)
- Project Safety Plan
- Setting up of site offices, accommodation, temporary works.
- Initiation of early temporary or permanent work materials procurement

2.2 Engineering (H. O.)

Review of contract drawings, specifications obtain / provide clarifications, coordinate among all related disciplines and produce shop drawings within performance parameters. Key activities and controls to be established are listed below:

- Shop Drawings
- Production program
- Organization of engineering personnel
- Identification, notification and implementation of changes
- Drawing submittal



PROJECT QUALITY PLAN

2.3 Procurement and Material Management (H. O.)

To prepare technical packages comparisons for permanent materials and to secure competent and reliable sources for procurement. Key activities and controls to be established are:

- Procurement program
- Preparation of material submittal for Client approval in accordance with the terms of contract agreement, contract scope of work, approved drawings and specifications
- Approved material deliveries to the project warehouse
- Procurement tracking report on suppliers

2.4 Planning

To develop planning schedules, monitor, accommodate changes and report progress. Key activities and controls to be established are:

- Mobilization program covering all aspects of mobilization, design, procurement and early construction activities
- Detailed construction program
- Program review
- Work package program for subcontractors
- Program Monitoring and control

2.5 Execution

Execute the construction program within the set performance parameters defined by approved shop drawings, approved material submittals and approved quality controls. Key activities and controls to be established are:

- Monthly quality performance reporting
- Monthly safety performance reporting
- Monthly update of the contract program



PROJECT QUALITY PLAN

2.6 Coordination of Major Subcontractors and Specialists

Coordination of technical matters, material procurement deliveries to site and site progress. Key activities and controls to be established are:

- Monitor material and drawing submittals and timely processing of such with client for approval.
- Coordination with internal / external parties to ensure potential problems are highlighted and reported.
- Monitor and report on progress and performance at scheduled weekly progress meetings

2.7 Quality Control

To carry out the QC activities required for achieving compliance with defined plans and specifications through the organization of respective works on site and monitoring quality activities. Key activities and controls to be established are:

- Coordination of the review of subcontractors /supplier quality related documentation and QA / QC resources
- Preparation and monitoring of defined process control documentation, inspection and test planning and associated work execution
- Establishing coordinated inspections and tests and associated records
- Recording of observations /non-conformance and corrective /preventive actions

2.8 Contract Administration

Monitor, administer and protect the Company's contractual and financial relationship with client, consultant, subcontractors and suppliers.

2.9 Document Control

DIPLOMAT Research & Development Department and associated processes and procedures will as appropriate be utilized to develop and implement the following controls:

- Receiving Documents and Workflow Tracking
- Generating Documents



PROJECT QUALITY PLAN

2.10 Quality Assurance

To carry out the quality assurance activities required for achieving compliance with defined plans, manuals, processes, procedures, and method statements. Key activities and controls to be established are:

- Provision and maintenance of a documented QUALITY MANAGEMENT SYSTEM
- Internal audits of documented QUALITY MANAGEMENT SYSTEM
- Provision of in-house training on the QUALITY MANAGEMENT SYSTEM to project personnel
- Performance reporting for Management Review

3.0 Project Realization

3.1 Introduction

When the process of achieving results is planned, designed and managed effectively, the quality of the end result becomes predictable. To achieve this project goal, assigned key project team members shall plan and develop processes and associated supporting documentation that will encompass a systems management approach. The organization shall implement defined methodologies and monitor their effectiveness and efficiency in order to provide control of the quality of project activities undertaken as summarized in Section 2.0 of this document.

3.2 Shop Drawings Production

A project management coordination role shall be established by the Engineering Department and key responsibilities, authorities and interfaces (including those with the Client, Sub-contractors and/or Suppliers) shall be clearly defined.

Verification reviews shall be in accordance with the standard construction and civil engineering criteria. The production of shop drawings to complete the work shall be made under the direct control of the Company Engineering function at Head Office.

3.3 Purchasing Control

DIPLOMAT aims to establish sound supplier and subcontractor relations in order to develop a mutually beneficial relationship that improves the ability of all parties to create value to a project.



PROJECT QUALITY PLAN

3.4 Construction

These activities relate to a wide cross section of resources, including a wide base of personnel, skills, plant and equipment. The Company shall ensure by careful planning the provision of proper project controls during work execution, and satisfactory resourcing for the projects. Such controls will be defined within the following quality system documents:

- Project Quality Plan (PROJECT QUALITY PLAN)
- Department manuals /programs
- Processes
- Procedures /method statements
- Records (forms / formats)

For specific elements of production that are difficult or impossible to immediately validate, (e.g. concreting, painting, welding, etc.) work procedures and/or method statements shall be established for approval prior to the commencement of the work process to ensure that the correct result can be achieved.

3.5 Identification and traceability

Appropriate methods shall be established by both DIPLOMAT (HO) and on site for identifying and recording the identification, and traceability status of materials, products, services throughout all stages of the project as defined in the respective processes for Procurement and Quality Management.

4.0 Project Management Responsibilities

The goals set by DIPLOMAT executive management relevant to the success of the Project shall be effectively communicated throughout the organization and such responsibilities, authorities etc shall be defined and performance monitored on an ongoing basis.

Appropriate communication channels shall be established within the project organization including interfaces with external parties.

A summary of the responsibilities for key project functions is given in within this Section, in line with those specific project responsibilities defined with the relevant DIPLOMAT manuals, processes, procedures, method statements etc to be implemented on the project.

4.1 Project Management Chief Engineer

- Comprehensive review of all contract documents, and the further development of project planning in line with Company and contractual requirements.
- Provide necessary leadership and resources to Construction for the effective and efficient execution of all project works.
- Ensure engineering controls are effectively established for planning, production and approval of drawings in line with approved project schedules.
- Establish material management controls for the approval, purchase and delivery of permanent materials.
- Review, approval and presentation of progress reporting to the Client.
- Oversee the establishment and reporting on the implementation of Safety and Quality Management programs.
- Promote continuous performance improvement for all project functions to enhance Client satisfaction.
- Detailed performance reporting to the Director (HO), on time, cost, quality and safety related issues.

4.2 Engineering

Project Coordinator (H. O.)

- Familiarization and awareness of project design drawings and specifications requirements
- Production of the project civil shop drawings through assigned drafting personnel
- Coordinate with other disciplines in the Project Engineering function to ensure compatibility of project works
- Maintain continuous coordination with construction team to ensure understanding of project's design and specification details.
- Participate in meetings with other Project disciplines, subcontractors etc and as required resolve engineering queries or issues raised.



PROJECT QUALITY PLAN

- Collaborate in producing project progress reporting, forecasts, and as required special engineering reports.
- Coordinate / liaise with other engineering trades especially the Specialist subcontractors (MEP, Cladding, Architectural firm, etc) to resolve issues on interfaces during the Design and Construction stages.
- Perform other essential project engineering / associated duties agreed and assigned by project management.

MEP Engineer (H. O.)

- Review project MEP drawings and specifications.
- Develop the MEP shop drawings in accordance with the specifications, designs, and in coordination with all other specializations (i.e architectural, civil, electrical and mechanical).
- Review MEP design for modification or change as and when required.
- Collaborate in preparing project studies, reports, forecasts and special engineering reports as and when requested.
- Perform other essential project MEP engineering / associated duties agreed and assigned by management.

Drafting Personnel (HO & Site)

- Suitably qualified and experienced assigned personnel shall as applicable prepare CAD shop drawings for set mechanical / electrical work assignments.
- Produce drawings in varying degrees of detail utilizing CAD files and maintaining uniform and professional standard of presentation utilizing approved software.
- Incorporate input given by the Consultant / Engineers into the relevant drawings.
- Record and prepare as built drawings from various project sources
- Perform all duties (related to the nature of the job) assigned by his immediate supervisor.



PROJECT QUALITY PLAN

4.4 MEP Coordinator

- Follow up the progress of;
 - Construction of works & compliance with construction schedule.
 - Drawings submittals & Approval thru weekly drawings status report.
 - Materials submittals & Approval thru weekly materials status report.
- Review & Study the Technical submittals & Shop drawings received from MEP sub contractor, any comments to be sent immediately to the sub contractor prior to forward the same to consultant for approval.
- Review the received daily works report from sub contractor and to compare the contents with Executed works at site.
- Review the Staff & Equipments daily report received from the sub contractor in order to check whether it is match with submitted organization chart and to be sure from available tools & equipments are enough to execute the works.
- To avoid any delay to MEP sub contractor works which will give reason to the sub contractor to claim for delay, should cover officially any delay to DIPLOMAT works caused by sub contractor & report it to the project manager..
- Follow up the QC & inspection of executed works & received materials to site and be sure it is comply with approved technical submittal and contract specification, Also interconnection between Client / Consultant & Subcontractor

4.5 Planning Engineer

- Study contract documents and obtain complete information necessary to develop detailed construction programs.
- Prepare detailed programs / coding structure to the level of detail agreed with the Chief Engineer.
- Monitor at agreed intervals actual site progress of the works and update the master program logic to reflect any variance, VARIATION ORDER issues, changes in sequence/ method, etc.
- Participate in the preparation of the necessary programs as required (Weekly, Short- term / periodic etc
- Prepare various reporting and statistics as requested by the Chief Engineer.
- Ensure traceability of planning records/ programs, progress reporting is maintained and complete backed filing and indexing.



PROJECT QUALITY PLAN

4.6 Execution

(Project In charge)

- Study contract documentation / specifications and obtain complete information to as necessary assist in the development of detailed construction programs and method Statements.
- Examine contract documents to identify material, subcontract and supplier requirements for the project execution /specification compliance.
- Participate in meetings with other Project disciplines, subcontractors etc and as required provide input into the resolving queries /issues raised.
- Collate as-built information necessary for issue for the preparation of as-built record drawings
- Review and evaluate work methodology and sequencing and liaise with the Project Manager /Planner regarding suggested work improvements
- Prepare detailed safety planning with the assigned Safety Officer and implement, monitor and manage the overall safety program during execution.
- Coordinate with assigned subcontractors work packages ensuring BADRY / Client contract requirements are met (i.e. on quality, safety, program and budget).
- Hold daily internal construction coordination meetings and attend scheduled progress meetings, reporting on work performance, coordination issues, time, quality, safety, cost issues against defined /approved programs.
- Organize project work execution utilizing suitably skilled /trained personnel to carry out specific tasks in accordance with approved procedures and specification requirements, including Site Survey works.
- Ensure that Supervisory personnel are provided with the latest revisions of approved project documentation and familiar with documented process control requirements and Request For Inspection system, associated reporting
- Maintain close communication with the Materials Engineer/ Warehouse regarding material submittals /approvals, detail on site and stores receipt and clearance.



PROJECT QUALITY PLAN

Site Engineers

- Supervise crews of laborers in their performance of assigned work.
- Review drawings and clearly communicate technical issues to the various trades.
- Apply schedules, procedures and related work rules that meet productivity, quality and safety requirements.
- Report to Project In charge on any problems related to the absence of manpower, materials or equipment that relate to time, cost, quality, safety etc
- Assist the Project In charge in the preparation of construction methods, schedules and manning charts.
- Perform general functions inherent to all supervisory jobs on site operations.

4.7 Quality Engineer

- Primarily responsible for the development and implementation of project quality planning throughout all project operations.
- Oversee project inspection and test planning, development and implementation.
- Scheduling and execution of project quality system assessments and audits.
- Liaison with the Clients representative on quality related topics.
- Establish QA/QC records control and retrieval system.
- Implement quality control procedures and related activities in compliance with defined requirements.
- Overall monitoring of site construction activities and QC personnel reporting on inspection and test requirements.
- Site monitoring and surveillance of subcontractors/ suppliers against detail filed schedules for compliance with defined standards and specifications.
- As applicable conduct off site inspections for project associated work carried out at subcontractors / suppliers, verification of associated submittals and preparation for client submittal.



PROJECT QUALITY PLAN

Quality policy statement

DIPLOMAT ENGINEERING firmly believes that our systemic procedures and business processes, professionally followed and well accomplished by our enthusiastic staff, clearly indicates our care and continuance in providing high levels of our quality Works, customer service and customer satisfaction.

DIPLOMAT ENGINEERING strives to consistently providing quality engineering with the most reliable and efficient maintenance services, subject to total compliance on all its requirements, and where possible exceeds the expectations of our customers.

DIPLOMAT ENGINEERING focuses on training and development of its personnel through their flexibility and adaptability to service the overwhelmingly transforming business environment, by innovative working techniques and continuously improve the efficacy of our design and building management systems.

We will ensure that all our staff having good knowledge and understanding of our quality objectives, working towards meeting the system requirements, and committed to developing processes and promoting new ideas.

To address and achieve an ongoing progress in quality service and customer satisfaction, DIPLOMAT ENGINEERING will maintain, review and revise its quality objectives and targets annually.

DIPLOMAT ENGINEERING will conduct quality audits and reviews on all operational activities at least once a year, and will allocate human, financial and other resources appropriately in order to achieve targeted results.

Concurrently, DIPLOMAT ENGINEERING is committed with established quality management system, both administrative and operational, to work towards continuous improvement on its quality performance in accordance with the requirements of ISO 9001.



PROJECT QUALITY PLAN

Certificate AE12/2436

SGS

The management system of

Diplomat Engineering LLC

P.O. Box: 40469, Sharjah, United Arab Emirates



has been assessed and certified as meeting the requirements of

ISO 14001:2004

For the following activities

Design, Electrical, Mechanical, Plumbing & Drainage Contracting Services

This certificate is valid from 15 February 2012 until 15 February 2015 and remains valid subject to satisfactory surveillance audits.
Re certification audit due before 11 January 2015
Issue 1. Certified since 15 February 2012

Authorised by

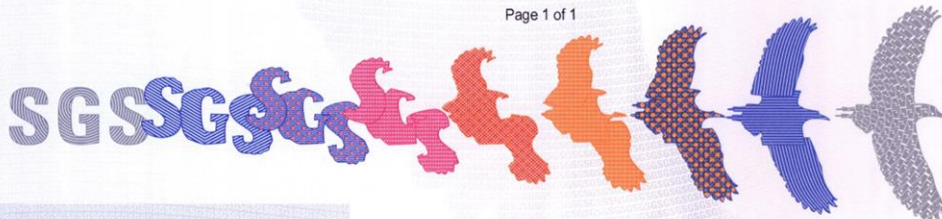
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PROJECT QUALITY PLAN

Certificate AE12/2434

The management system of

Diplomat Engineering LLC

P.O. Box: 40469, Sharjah, United Arab Emirates

has been assessed and certified as meeting the requirements of

ISO 9001:2008

For the following activities

Design, Electrical, Mechanical, Plumbing & Drainage Contracting Services

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organisation

This certificate is valid from 15 February 2012 until 15 February 2015 and remains valid subject to satisfactory surveillance audits.

Re certification audit due before 11 January 2015

Issue 1. Certified since 15 February 2012

Authorised by

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PROJECT QUALITY PLAN

Certificate AE12/1023

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Diplomat Engineering LLC

P.O. Box: 40469, Sharjah, United Arab Emirates

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OHSAS 18001:2007

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HEALTH/SAFETY / ENVIRONMENT POLICY



SAFETY ENVIRONMENT

1 INTRODUCTION AND PURPOSE

This manual is developed to regulate the working conditions of all personnel involved in construction activities. The construction activities may be carried out by any of Diplomat Group companies either independently or jointly

Diplomat Engineering LLC – (Sharjah – UAE)
Diplomat Engineering LLC – (Dubai-UAE)
Diplomat Building Contracting LLC – (Sharjah-UAE)
DCE Cont.-BranchOf Diplomat Bldg. Cont.Co.LLC – (Dubai-UAE)
Reddy's General Trading LLC – (Dubai-UAE)
Diplomat Metal Industries LLC – (Dubai-UAE)
Diplomat Heavy Industries LLC – (Hamriyah FZE –Sharjah-UAE)
Diplomat Group WLL (Doha – Qatar)

The use of DIPLOMAT GROUP hereinafter shall be applicable to any of the Group's Company/Companies listed above either independently or jointly

It shall govern all safety aspects of all personnel, including Sub-Contractors', Consultant's, full-time and part-time personnel, employees and guests involved, at any stage, in the construction activity on site.

The purpose of this Plan is to document Diplomat Group safety policy, instruct and guide employees whose actions affect safety in the course of their day-to-day activities, so as to achieve the company's overall objective of safe and accident-free working environment at site.

1-1 SCOPE

The safety plan covers the activities being carried out by Diplomat Group Companies on project in accordance with the requirements of the contract documents and safety plan.

1-2 OBJECTIVES

1.2.1 The objective of this plan is to reduce the number of injuries and accidents, and the possibility thereof, to a minimum through a combination of on-the-job training, lectures and an active method of enforcing any rules.

1.2.2 The Statement of Policy is included with this plan on a separate sheet. The intent is outlined in the objectives as stated in clause 1.2.1 above and is to afford the maximum level of safety possible for personnel on site.



SAFETY ENVIRONMENT

DIPLOMAT GROUP OF COMPANIES

2. SAFETY POLICY

- The Management of DIPLOMAT GROUP and its subsidiaries are committed to successfully execute all of the Projects with an accident-free record.
- To achieve this objective we will ensure that a specific Safety Plan is established, implemented and maintained throughout the duration of the Project.
- We will ensure that all personnel allocated to the project, including sub-contractors, are aware and committed to follow the safety system, to achieve a safe environment for work and continuous improvement in overall safety performance.
- DIPLOMAT GROUP is committed to ensure safe surroundings and safe conditions of work, affecting employees at all functions, contractors and guests, at workplace and property.

ForDIPLOMATGROUP

Managing Director



SAFETY ENVIRONMENT

3. **Responsibilities of Key Personnel**

In principle, Safety is everyone's concern. As such, Project Managers, Site engineers, Safety/Quality Officer and supervisors are responsible for directing and coordinating the management activities of the works, in line with the established safety procedures. In particular, the responsibilities of the key personnel are listed hereafter

3-1 **Project Manager (PM)**

The Project Manager's (PM) responsibilities are described in the Project Quality Plan (PQP); the PM's additional responsibilities also include:

- Ensure implementation and maintenance of the Safety System.
- Authorize the Safety Manual and training plans.
- Ensure the Safety System is reviewed to ensure its continuing suitability and effectiveness in satisfying the requirements of this manual, the company's safety objectives.
- Review and provide adequate resource requirements

3-2 **Safety Officer**

The Safety Officer will be responsible for implementing and maintaining the project Safety Plan in full conformance to Contractor's requirements. He reports directly to the PM, for review and as a basis for improvement of the system's performance. He is responsible to ensure all site activities are covered by Safety Inspections and will initiate and follow up all required corrective actions.

His responsibilities are, but not limited to:

- Monitoring implementation of Safety Plan.
- Managing the day-to-day operations of the safety system, as required by procedures.
- Imparting adequate training and awareness of safety systems and regulations, especially safety for all personnel on site.
- Ensuring emergency procedures are prominently displayed and known.
- Ensuring First Aid facilities are available on site.
- Ensuring all personnel use personal protective equipment, as per regulations
- Monitoring safety complaints and following up with site team for close out.



SAFETY ENVIRONMENT

- Ensuring preventive actions are taken to avoid repetitions of non-conformances.
- Interaction with PM for monitoring safety performance.
- Prompt reporting of all accidents on site and investigation and assistance during investigation.
- Carrying out safety inspections and audits on site, recording and reporting status and effectiveness of the system.
- Weekly safety performance reporting and documentation.

4. DIPLOMAT GROUP's safety rules.

Diplomat Group recognizes that the overall safety performance of the organization vastly depends on the active participation of the subcontractors in safety matters.

- "DIPLOMAT GROUP COMPANIES" shall comply with the laid out safety Procedures, site safety rules and the local legislation wherever applicable.
- All Personnel must first go through the HSE induction training on site.
- Where special or uncommon jobs are identified, shall provide a safety Method statement at least three clear days before the operation. These should be routed through the project Manager and the safety Manager will approve the method statement prior to the commencement of any activities at site.
- It is imperative that all Sub Contractor's workers abide by safety requirements and the Sub Contractor's specific work safety requirements
- Failure to do so will result in their immediate expulsion from the work site

4-1 DIPLOMAT GROUP STAFF

Staff shall be wear helmets and safety shoes on site and in addition to these they will wear whatever extra safety equipment is required (Personnel Protection Equipment P.P.E.); dependent on the type of job they are carrying out e.g. safety harnesses, goggles, gloves etc. The initial responsibility will lie with the worker himself and then up through his foreman to the Safety Officer who has the authority to remove the worker immediately from the site if these conditions are breached. All the workers will be identifiable from the color of the helmet with a DIPLOMATGROUP Company's sticker on the front.

4-2 SUB-CONTRACTOR'S STAFF



SAFETY ENVIRONMENT

4.2.1 Any proposed sub-contractor will have to submit a copy of their safety plan to DIPLOMAT GROUP's Company carrying out the Works, for its approval (as explained in clause 4.2.2). They shall have a qualified safety representative on site, and he shall be responsible for the immediate safety of his men although he will be responsible to DIPLOMAT GROUP Company's Safety Officer and will follow the safety requirements

4.2.2 Sub-contractors are evaluated and approved on Health and Safety issues from their Safety Plan, which they have to submit, and has to be approved before any work is started on the worksite.

4.2.3 As stated in clause 3.1 the immediate safety of the worker lies with the worker himself and then the group safety lies with the charge hand and then the foreman and the safety of the whole company lies with the Safety Officer. This will, of course require co-ordination with the foremen to ascertain what type of work is being carried out and where on the building they are working.

5. SPECIAL HAZARDS CAN BE ONE OF TWO NATURES:

- a) Created - this means man-made i.e. from an electrical fault due to various reasons,
- b) Already known but handled incorrectly

Case A

These types of hazard can be avoided to some extent by (for example) regular maintenance of electrical tools and frequent inspections of the cables and plugs used and taking care of where the cables are laid i.e. not through water or so that it is being chafed.

Case B

Before use of this type of hazard or proceed of this type of processes (for example) working above MEWP (Mobile Elevating Work Platform) from interior which may injure workers using MEWP. Safety office must inform in advance DIPLOMAT GROUP Company's safety in-charge in writing; also signs must be displayed warning people of the work being carried out.

6. SAFETY TRAINING & AUDIT



SAFETY ENVIRONMENT

- 6.1 Safety training information will be given verbally in the language of the worker and if applicable backed up with signs on a safety notice board outside the DIPLOMAT GROUP Company's Site offices in Hindi, Urdu & English and then in the main language spoken by the workers. An active awareness program will be followed by actually questioning the workers on site during their work. The same will be done with the foremen.
- 6.2 A safety Training will be carried out every week by DIPLOMAT GROUP Company's Safety Officer and the corrective measures will have to be carried out by the end of the following day depending on the severity of the problem the work will be stopped or not.
- 6.3 If an accident occurs then the following should be done:
 - 6.3.1 DIPLOMAT GROUP Company's Safety Officer must be informed immediately
 - 6.3.2 The relevant emergency service should be contacted immediately.
 - 6.3.3 DIPLOMAT GROUP Company's HSE department to be informed immediately
 - 6.3.4 If possible apply first aid and move the victim from the area of the accident so that further effects are not felt by the victim and isolate the source of the accident
 - 6.3.5 Keep the victim warm and try to keep him talking until the First Aid services arrive.
 - 6.3.6 An accident report form must be used as should be an accident analysis form, see attached.
 - 6.3.7 If anything can be learnt from this accident this must be passed on to the other workers on site and any further action to be taken in terms of safety should be carried out immediately.
 - 6.3.8 Hazard is reported to the DIPLOMAT GROUP Company's Safety Officer and a report is given to the concerned party. The method of dealing with the Hazard depends on the type of Hazard and the surrounding environment. E.g. an electrical cable lying in the water - the supply should be switched off first before attempting to move it.

7. EMERGENCY PROCEDURES



SAFETY ENVIRONMENT

DIPLOMAT GROUP Companies shall follow the emergency procedure as displayed on the notice board. This shall be severally applicable to the Sub Contractors in addition to their safety procedures

If the injury is serious then an ambulance should be called and follow the emergency procedure as displayed on the notice board outside the DIPLOMAT GROUP Company's Site Offices and at work locations

8. DETAILED HEALTH AND SAFETY PROCEDURES

The procedures set down should be followed.

- 8.1 All tools and toolboxes including cables used during the day will be returned to the site store for safekeeping, and all safety equipment apart from helmets and boots.
- 8.2 The storekeeper is responsible for these items and for ensuring that all machines in the workshop are safe before he leaves the site.
- 8.3 Any damaged items must be reported to the storekeeper for repair or renovation.
- 8.4 Helmets and boots will be kept by the employee in their own accommodation.
- 8.5 The Scaffolding will be tied securely; safe tag should be on place to avoid any unnecessary damage.
- 8.6 No rubbish or electrical cables should be left lying in the corridors to block them or to form a fire hazard and no material should be placed within 2m of the edge of a slab.
- 8.7 All flammable material, crates, boxes, etc., will be removed from the site every day.
- 8.8 All cigarette butts from the designated smoking area should be removed and disposed of properly.
- 8.9 No employee is allowed to defecate or urinate in the building, anyone caught doing so will be removed from the site. The toilets provided by the Main Contractor should be used.

9. SITE ACCESS



SAFETY ENVIRONMENT

Warning signs and gates shall be provided to control site access. DIPLOMAT GROUP Company/s shall provide watch and ward round the clock throughout the Project duration. Any forced/unauthorized entry shall be immediately reported to the Safety Officer immediately. Depending on the severity and nature of these incursions, the Safety Officer shall take decision to inform Law Enforcement Authority

10. SITE VISITORS

Site visitors will have to sign in and out with the watchman at the main gate. In this way a much tighter control of the numbers of visitors is kept and in the event of an emergency the names of all the people on site should be known

11. SITE OFFICES

1.1 Exits must be clearly marked as should fire extinguishers and first aid equipment.

10.2 The number to be phoned in case of an emergency must be clearly displayed around the office.

10.3 All toilet areas and pantry must be regularly cleaned and deodorized

12. PROJECT HEALTH AND SAFETY FILES AND SAFETY RECORDS

11.1 This will be kept by the Safety Officer in the site office. Any safety incidents and all the regular safety reports will be kept in this file. This is open to reading by the Project Manager

11.2 Records will be kept using standard forms as attached, and as previously mentioned in incident investigation analysis etc.

13. NIGHT WORKING SAFETY

13.1 At night all the people working must know exactly what they are doing and must be only starting their shift. Anyone who has just worked for 12 hours should not be allowed to work at night.

13.2 Sufficient lights as per the specified site voltage should be available to the workers so that all aspects of their works are illuminated. The cables for these should be well protected so that no one will fall over them in the dark.

13.3 Do not use inflammable liquid at night near the lights.

14-1 GENERAL SAFETY RULES

- Wear personal protective equipment.



SAFETY ENVIRONMENT

- Smoking is strictly prohibited at work locations and at places where “No Smoking” signs are displayed.
- The work place is to be kept neat and tidy, and all rubbish and debris to be removed by the end of each day.
- Correct tools to be used for appropriate job.
- Only well maintained and good condition tools to be used. Make shift arrangements are not permitted.
- Be alert while working.
- Consumption of food, alcohol and other item during work at the site is prohibited.
- Do not sleep during work hours.
- Observe all safety signs and obey them.
- Do not tamper or misuse the fire-fighting equipment.
- Do not tamper with electrical wire, when in doubt ask your immediate supervisor.
- Do not obstruct the approach to the fire-fighting equipment

14-2 PERSONAL PROTECTIVE EQUIPMENT

Helmets and safety shoes must be worn at all times. When working above 2 meter height (as per local Authority Requirements) adjacent to edge, protection shall be undertaken by the operatives by putting a safety harness and securely anchoring it back to the structure. Safety office / site foreman shall ensure that safety harness is used by operatives when working on the edge of building.

Any additional protective equipment if required, then the Safety office / site foreman shall provide to the operatives



SAFETY ENVIRONMENT

Use of Personal Protective Equipment

- Safety Helmet : Head protection, use at all times when on duty
- Safety Shoes : Foot protection, use at all times when on duty
- Coverall : Body protection, use at all times when on duty
- Safety Harness : Fall protection, use when working at height above 2 meters.
Secure the harness to stable structure.
- Gloves : Hand protection, use when handling materials.
- Face Shield : Face protection, use while performing welding Works.
- Safety Goggle : Eye protection, use while performing grinding.
- Dusk Mask : Dust protection, use whenever you face dusty Condition of Work.

14-3 HANDLING OF MATERIALS

Materials shall be stored in a designated area with appropriate identification and where necessary located in a safe storage area. Where materials are stacked on top of each other, make sure that they are properly stacked and that while removing, remove from top of the stack.

If crane is used, the Site Foreman shall ensure that the crane has enough capacity to lift the materials. Where Canvas Sling or Webbing Sling is used, ensure that there are no cuts on the belt.

Only Qualified bandsmen should control the operations by giving signals to the operator of the crane.

Where manual lifting is required, no load of more than 30 kg's should be given per man

14-4 SCAFFOLDING

- **Inspection of Scaffolding:**

Inspection of the scaffolding shall be carried out at least once a week and after bad weather.

The Site Foreman is responsible for nominating himself or a competent person to carry out such inspections and having done so to record the results in Safety Inspection Checklist, inspection shall be carried out in accordance with the criteria set in the format



SAFETY ENVIRONMENT

- **Erection of Scaffolding:**

Erection of scaffolding shall be carried out only by trained workmen.

The following shall be checked while erecting:

- Scaffold material to be used is in good condition
- Joints between tubes are staggered vertically and horizontally
- Scaffold is adequately tied to the structure
- Working platforms are fully boarded and complete with guard rails and toe boards.
- Fittings are correctly tightened
- Ladders should be available at each level of the scaffold, the quantity depending on the length of the area boarded.

- **Working on Scaffolds:**

When working on scaffolds follow the following:

- Do not remove or interfere with the scaffolding in any way – especially ties, guard rails and toe boards.
- Safety Harness is compulsory.
- See that materials are properly stacked in such a way as to avoid knocking off the platform. Use suitable protection if necessary.
- Before loading materials check the safe load capacity of the working platform.
- Do not leave tools or materials lying on the working platforms. Never throw or drop materials from heights.
- Don't move mobile scaffolding while working on it.
- Lock the wheels of mobile scaffolding while working.
- Report to your Foreman any scaffolding which appears defective.

14-5 CRADLES

- **Inspection of Cradles:**

Inspection of cradles shall be carried out before commence working on it.

Where the cradle needs to be tested by independent testing agency then Project Manager shall arrange for this testing.

Inspection of the cradle shall be done at-least once in a week or after bad weather. The Safety officer is responsible for nominating himself or a competent person to carry out inspections of cradles and having done so to record the results in Safety Inspection Checklist, inspection shall be carried out in accordance with the criteria set in the format.



SAFETY ENVIRONMENT

- **Installation of Cradles:**

Make sure that the following points are noted while fixing:

- Material to be used is in good condition and as per the drawing
- The structure is suitable for fixing the cradle
- Cradle is adequately tied to the structure as per the drawing
- Safety cable is independently anchored
- Working platforms are fully boarded and complete with guard rails and toe boards
- Fittings are correctly torqued
- Cradle has rubber wheels to prevent marks

- **Working on Cradles:**

Work on cradles as follows:

- Do not remove or interfere with the cradle in any way – especially ties, guard rails and toe boards.
- Safety Harness is compulsory. Ensure that you tie it to the cradle.
- See that materials are properly stacked in such a way as to avoid knocking off the platform. Use suitable protection if necessary.
- Before loading materials check the safe load capacity of the cradle.
- Do not leave tools or materials lying on the working platforms. Never throw or drop materials from heights.
- Don't jump in/out of the cradle. Use the platform where provided.
- Report to your Foreman if cradle appears defective.
- During bad weather, site foreman to assess the condition before starting to work on the cradle.

A monthly check on the Cradle will be carried out by Safety Officer or by any other person nominated by Safety Officer and recorded.

14-6 ELECTRICAL SAFETY

All cables and tools must be checked by Site Foreman before issuance for damages to tool it or loose connections and damaged wires. If there is defect these must be replaced or repaired before being issued. This includes whether the cable has complete insulation around, and all the way to the plug and the tool itself



SAFETY ENVIRONMENT

When working on electrical equipment proceed as follows:

- All connections to socket outlets or wire to wire must be made by proper electrical plugs – not by bare end cables.
- Never allow electrical cables to run through water
- Do not use electrical equipment in areas where flammable vapours or gases may be present
- Store all equipment in store if not in use.
- Before connecting the equipment to power, check the current voltage and the equipment voltage capacity.
- No power boxes/ junction boxes should be touched unless you are a qualified technician.
- Do not lift tool by the cable.

14-7 HOT WORK

During welding, grinding and cutting take utmost precaution to prevent any fire incident. Proper grounding/ earthing of equipment shall be made.

Ensure that proper protective equipment is used during the process.
Inform HSE Department before starting hot work

14-8 FIRE PRECAUTION

All personnel should be aware of the precautions to prevent a fire and the action to be taken if fire does break out.

- Know where fire-fighting equipment are kept and the correct type of extinguisher for specific type of fire i.e.

Extinguisher type

Water

Cylinder color signal red

Dry powder

Cylinder color French blue

Foam

Action and suitability

Cooling. For fires in ordinary combustible building materials
Conducts electricity. NOT to
Be used on live electrical
Equipment or oil fires.

Extinguishes the
flames over flammable liquids
And small fire in solid material
Re-ignition may occur in over-
Heated liquids such as hot bitumen.
Non-conductor of electricity.
May be used in live electrical Equipment.

Limited cooling.



SAFETY ENVIRONMENT

Cylinder color cream

Forms a blanket over flammable liquids. Conducts Electricity. Not to be used on Live electrical equipment.

- If fire breaks out inform Site Foreman immediately about the nature of the fire, exact location and properties involved.
- Stop all running equipment
- In case of major fire, evacuate all personnel from the site to a safe location.
- Call fire brigade and ambulance.
- Clear all approach pathways for the easy access to the fire brigade personnel and their vehicle and equipment.

14-9 EMERGENCY PROCEDURE

1. Emergency Plan:

Before work begins on jobsite, Safety officer/Site Supervisor shall make provisions for prompt medical attention in case someone becomes ill or is seriously injured. An effective jobsite emergency plan should include the following:

a. Emergency telephone numbers

- Nearest Hospital (_Phone no_)
- Ambulance (998)
- Fire brigade (997)
- Police (999)
- Project Manager (Name - Mobile no)
- CIVIL Engineer (Name - Mobile no)
- Safety Officer(Name - Mobile no)
- CIVIL Forman (Name - Mobile no)
- Safety Manager (Name - Mobile no)
- Site Clinic -if provided(Name - Telephone no)

b. Approved first aid kits that are readily available and restocked regularly.

c. A predetermined reporting point so that all employees can be accounted for if there is a serious emergency.

2. In case of Minor Injuries



SAFETY ENVIRONMENT

Report the incident to your supervisor, if the injury is minor, first aid treatment to be given to the injured person.

Refer to the Hospital if necessary.

3. In case of Major or Serious or Fatal Accident.

Report the incident to your superior.

Stop the activity at the accident place.(coordination with Main Contractor Safety Policy/Client)

Try to evaluate the victim's condition while another person calls for medical assistance.

If the victim is conscious ask permission before providing first aid.

To prevent further injury, don't move the victim unless there is further danger in the immediate area.

Provide first aid assistance, if possible.

Do not endanger the victims(s).

Call Immediately Medical Assistance and Ambulance.

Cordon off the accident place.

Do not disturb the evidence(s) at the accident place.

Provide assistance during accident investigation.

4. Reporting Accidents

Any accident, whether minor or major, shall be reported immediately to Project Manager, Safety Officer and Construction Manager (for necessary legal actions).

Within 24 hours the Safety officer shall prepare Accident Report, giving cause of accident. SiteEngineers shall authorize this report after identifying necessary corrective and preventive measures so as to avoid such incidents in future.

Copy of this report shall be issued to General Manager (DIPLOMAT GROUP) within 24 hours of accident for further legal actions.

14- 10 SITE SAFETY INSPECTIONS

The Safety Officer shall ensure on daily basis that the operatives are wearing helmet, shoes and coverall compulsorily. Other protective equipment shall be used as necessary.



SAFETY ENVIRONMENT

If any operative is not following then the Safety officer shall report this on the daily time sheet. The Safety officer shall take necessary appropriate action in co-ordination with Project Engineer.

Safety Officer shall carry out inspection of site at-least once a week by using Safety Checklist

15. RISK ASSESSMENT

Safe work method procedures:

A general procedure is attached for the installation of the curtain wall panels

Specific tasks not covered in this document should be identified with a safe method statement

Detailed below are general type of accidents which have been rated class 1, 2 & 3

- Class 1 death
- Class 2 serious injury resulting in lost time
- Class 3 minor injury in no lost time

Risk assessment

In order to assess the risk involved on the job site a numbering system will be used. A numbered risk assessment system shows the likelihood of an injury happening and the consequence from these hazards by the use of numbers. These numbers can then be used to determine what hazards need to be fixed first

For example if hazard is given a rating **1** then precautions need to be taken immediately to ensure a safe working environment and to prevent the risk of any injury occurring

The tables below show the system to be used in identifying the frequency and the injury or damage a specific task may cause when being conducted. This is applied to the risk assessment for each major activity shown on the following page

LIKELIHOOD	DEFINITION	MEASURE
Very likely	Expected in most circumstances	1
Likely	Probably in most circumstances	2
Less likely	Could occur sometimes	3



SAFETY ENVIRONMENT

CONSEQUENCES	DEFINITION	MEASURE
Major	Extensive injury or damage	1
Severe	Medical treatment required Much damage to property / equipment	2
Minor	Treated with first aid	3

RISK ASSESSMENT GENERAL

SR. NO.	GENERAL	CLASS	INJURY OR RISK
1	Appropriate footwear (steel cap) to be worn at all working time	2	Break / amputation
2	All operators work in accordance with current safety conditions	1	Death
3	Check all electrical equipment and leads are tagged and in safe working order	1	Death
4	Ensure that work area is left clean and free from nails protruding out from timber	2	Leg or ankle injury
5	Alcohol and drugs are not permitted on the job	1	Death
6	Running and skylarking are extremely dangerous and not permitted on the job	2	Body injury
7	Ensure ear protection is worn all areas of work	2	Deafness
8	Check daily all pneumatic cranes function	2	Break / lost time

SR. NO.	LIFTING	CLASS	INJURY OR RISK
1	Always bend your knees, not your back	2	Back injury
2	Do not try to lift anything too large or too heavy without assistance	2	Back strain
3	Never trust your back when lifting, carrying or moving a load	2	Back strain
4	Avoid above shoulder reach	2	Back strain
5	Avoid forward bending of the back	2	Back injury



SAFETY ENVIRONMENT

SR. NO.	HAZARD / ACTIVITY	WHO MIGHT BE HARMED	HOW TO CONTROL IT	RATING(WITH CONTROLS)
1	Noise	Neighbors	No noisy works will be allowed after 6.00 p.m.	2
		Workers working with noisy equipment	Workers will be provided with ear protection	2
2	Access & Egress	All personal	A safe, clean access will always be provided	2
3	Work at heights	Operators	All workers subjected to falling from a distance higher than 2 meter will be provided with safety belts	1
4	Manual handling	Operators	Movements of any equipment or materials, are to be done in an organized safe way	2
5	Electrical tools	Operators	Proper plugs, and adequate safe connection will be used	1
6	Equipments	Operators	All used equipment will not be allowed to work without all its safety parts.	2
7	Body protection	Operators	All will supply with overalls, helmets, & safety shoes. Also gloves and protection glasses where required	2
8	Lack of supervision and control	Operators	Qualified foreman will be supervising the works full time	1
9	Unloading of container	Operators	Support box / material and check load will not move when unpacking of container	1
10	Internal movement of pallet / boxes	Operators	Visual inspection of pallet ensuring all bolts secure adequately braced and timber / steel pallet in satisfactory condition	1
11	Opening of glass boxes	Operators	Visual inspection of box contents is stable and box is leaned against "A" frame	1



CERTIFICATIONS

Certificate AE15/2938.01

SGS

The management system of

DCE CONTRACTING LLC

108, Plot No: 241-296, Al Nahda 2, Dubai, United Arab Emirates

has been assessed and certified as meeting the requirements of

ISO 14001:2004

For the following activities

Civil Construction related activities such as Structural steel works,
Screed, Block works, Plastering, Floor & Wall tiling / Marble works,
Gypsum partitions, Ceiling, Door/ windows, Bulk Heads, Painting,
Epoxy Coatings and Water Proofing Activity.

This certificate is valid from 15 April 2015 until 15 April 2018 and
remains valid subject to satisfactory surveillance audits.

Re certification audit due before 20 February 2018

Issue 1. Certified since 15 April 2015

Multiple certificates have been issued for this scope

The main certificate is numbered AE15/2938.00

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The management system of

DIPLOMAT BLDG. CONT. CO. LLC

212, Al Wadah Building, Al Wadah Street, Sharjah,
United Arab Emirates



has been assessed and certified as meeting the requirements of

ISO 14001:2004

For the following activities

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Issue 1. Certified since 15 April 2015

This is a multi-site certification.
Additional site details are listed on the subsequent page.

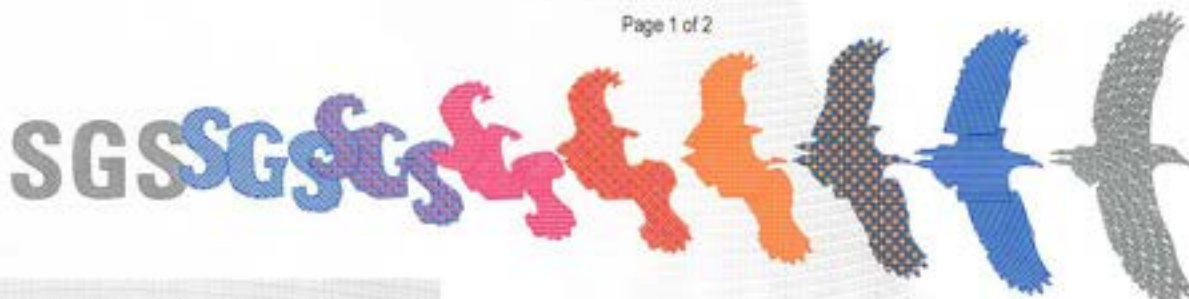
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**DIPLOMAT BLDG. CONT. CO.
LLC**

ISO 14001:2004



Issue 1

Detailed scope

**Civil Construction related activities such as Structural steel works,
Screed, Block works, Plastering, Floor & Wall tiling / Marble works,
Gypsum partitions, Ceiling, Door/ windows, Bulk Heads, Painting ,
Epoxy Coatings and Water Proofing Activity.**

Additional facilities

**DCE Contracting LLC - 108, Plot No: 241-296, Al Nahda 2 , Dubai,
United Arab Emirates**



The management system of

**DIPLOMAT BLDG. CONT. CO.
LLC**

212, Al Wadah Building, Al Wadah Street, Sharjah,
United Arab Emirates



has been assessed and certified as meeting the requirements of

ISO 9001:2008

For the following activities

The scope of registration appears on page 2 of this certificate.

Further clarifications regarding the scope of this certificate and the applicability of
ISO 9001:2008 requirements may be obtained by consulting the organisation

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Re certification audit due before 20 February 2018
Issue 1. Certified since 15 April 2015

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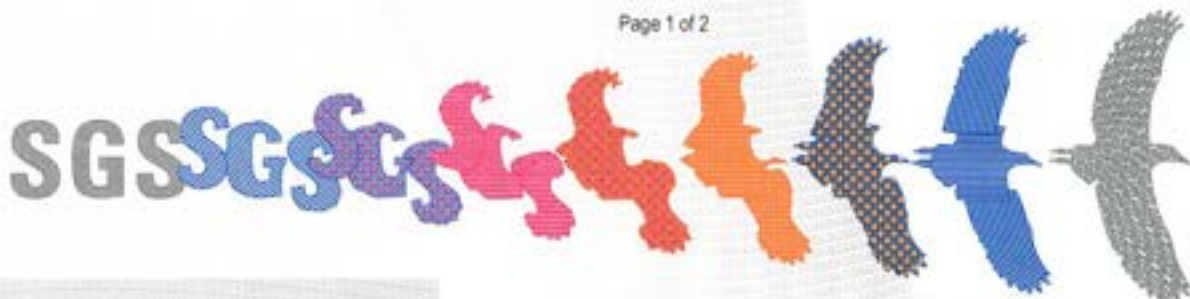
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DIPLOMAT BLDG. CONT. CO. LLC

ISO 9001:2008



Issue 1

Detailed scope

Civil Construction related activities such as Structural steel works, Screed, Block works, Plastering, Floor & Wall tiling / Marble works, Gypsum partitions, Ceiling, Door/ windows, Bulk Heads, Painting , Epoxy Coatings and Water Proofing Activity.

Further Clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organisation

Additional facilities

**DCE CONTRACTING LLC - 108, Plot No: 241-296, Al Nahda 2 , Dubai,
United Arab Emirates**



The management system of

DIPLOMAT BLDG. CONT. CO. LLC

212, Al Wadah Building, Al Wadah Street, Sharjah,
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**DIPLOMAT BLDG. CONT. CO.
LLC**

OHSAS 18001:2007



Issue 1

Detailed scope

**Civil Construction related activities such as Structural steel works,
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Additional facilities

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