

LAHEJ & SULTAN

(Civil Defense Approved Company)



COMPANY PROFILE & PREQUALIFICATION DOCUMENT

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INTRODUCTION TO THE GROUP

Lahej & Sultan(L&S) is an ISO 9001, 14001 & 45001 certified company.

Since its establishment in 1981, Lahej & Sultan (L&S) has been the leading service provider for the following services:

- **Cleaning Services**
- **Security Services**
- **Gas Distribution**
- **Gas Pipeline connection**
- **Pest Control**
- **High level Glass Cleaning & Rope Access services**

Under the guidance of its Chairman & Managing Partner, Mr. Hussain Sultan, the Company has been able to diversify itself into various segments of the services industry. We have our branches in Abu Dhabi, Sharjah & Ajman.

At Lahej & Sultan our first priority is always “Customer Satisfaction”. Our focus has always been to deliver our service beyond the customers’ expectations and this can be known from the long list of our loyal customers whom we have been serving for several decades.

Our sales teams have been trained to handle not only the sales requirement of the client, but to also handle the operational issues of the client – thus acting as a “One Point of Contact” for all their service requirements.

L&S has its own fleet of buses (120+) managed by transport in charge. The transport department ensures all staff logistics are coordinated and planned properly as reaching the sites all over the UAE on time is vital to our operations. We also have our own workshop with qualified technicians to ensure vehicles are serviced on time and are attended quickly should any breakdown happen on the road.

Having all materials and chemicals on site is crucial to carrying out our services. L&S has its own Central stores located in Jebal Ali ensuring all chemicals, materials, accessories needed are reordered on time and stored. Chemicals & materials needed on all sites are planned and distributed on sites. A record of all deliveries is maintained to ensure there is no misuse on sites. Our Maintenance team ensures machines received from sites are repaired & replaced on time without causing any inconveniences on the site.

As corporate leaders in our industry, we earnestly take the challenge to set high standards for our performance and deliver efficient and quality service to our clients.

At Lahej & Sultan, technology is used extensively to enhance our service capabilities and all our Office staff, Operations team including supervisory staff are connected to the network 24*7 ensuring seamless transition and minimum disturbances to our operations even during lockdowns by working remotely or from home.

L&S Group employs more than 4,200 staff. They are our core strength and our pride. Looking after the welfare and needs of our staff has always been one of our top priorities. All our staff are housed in our company owned & managed four labour accommodations in Jebel Ali, DIP & Sharjah. Every quarter, 20 employees are chosen and awarded the Employee of the Quarter with cash award and certificate. We were one of the first few companies to launch the WPS system as we believe our staff should be paid on time.

All our staff are trained inhouse and through specialized 3rd party training for jobs which require specialized skills. In the unlikely event that a claim should arise all our staff are fully insured in respect of public liability, workmen's compensation and professional indemnity.

ABOUT LAHEJ & SULTAN TECHNICAL SERVICES LLC
(PIPELINE DIVISION)

Lahej & Sultan Technical services is involved in Project services, Consultancy and Feasibility Studies of the LPG system for Commercial & Residential customers. For the past 15 years, we have been involved in the supply, installation and approval of the LPG system for various prestigious projects in the following sectors.

- Townships
- Industries
- Central Kitchens
- Shopping Malls
- Residential and Commercial Buildings
- Schools and Universities
- Hotels & Resorts
- Recreational Centre's
- Villas
- Labour Camps
- Hospitals & Medical facilities etc

Annual Maintenance Contract

Our maintenance team is capable of providing maintenance of the Central Gas Systems for residential buildings, restaurants and food courts, hotels, shopping mall, labour camps and industrial plants.

Our maintenance team is equipped with latest facility management software where the client can get all reports and notification by mail.

We provide Comprehensive and Non-Comprehensive Annual Maintenance Contracts. Our maintenance vehicles are equipped with tools and spares to avoid delay in procuring spare parts. All gas emergencies are attended on priority basis. Preventive maintenance is done on monthly or quarterly as per the contract terms and conditions. The service contracts are endorsed by the department of civil defense as well.

Comprehensive and Non-Comprehensive Annual Maintenance Contracts



We provide maintenance contracts which can be customized to meet specific client requirements for all kinds of small and large projects.

Preventive and Break Down Maintenance



Our maintenance team will conduct regular periodic maintenance to prevent the break down or interruption of the supply.

Emergency Response and Support



We have 24x7 Emergency team to attend any emergency repair or rectification work.

Calibration Of The Gas Detection & Pressure Gauge



Our team will conduct periodic calibration of the gas detection system, Pressure gauges and Pressure relief valves for the safe operation of the system.

Tank Revalidation & Cathodic Protection Replacement



As per the Authority regulation tanks has to be tested and revalidated every 5 years to ensure safety. Lahej & Sultan undertakes periodic testing and revalidation of the Gas tank and system with Third party consultants.

Free Maintenance Service With Bulk Supply And Yearly Contracts



Lahej & Sultan also provide free maintenance service when they request bulk supply against long term contracts. Terms and Conditions Apply.

Utility Service



We are involved in the supply of gas to the Residential and commercial building and include regular billing to the tenants or client. Our metering system consists of the latest technology which includes remote meter reading and prepaid gas meters to provide optimal

convenience to the owners or tenants. All our billings are electronically generated, and clients can avail different mode of payment including card payments.

LEGAL DOCUMENTS



رخصة تجارية Commercial License

تفاصيل الرخصة / License Details

License No.	208685	رقم الرخصة
Company Name	LAHEJ & SULTAN GAS DISTRIBUTORS (L.L.C)	اسم الشركة
Trade Name	LAHEJ & SULTAN GAS DISTRIBUTORS (L.L.C)	الاسم التجاري
Legal Type	Limited Liability Company(LLC)	الشكل القانوني
Expiry Date	22/04/2021	تاريخ الإصدار
D&B D-U-N-S ®	561272980	رقم الرخصة الام
Register No.	58442	عضوية الغرفة
Issue Date	22/06/1975	تاريخ الإصدار
Main License No.	208685	رقم الرخصة الام
DCCI No.	2786	عضوية الغرفة

الاطراف / License Members

Share / الحصص	Role / الصفة	Nationality / الجنسية	Name / الاسم	No./ رقم الشخص
	Manager / مدير	Yemen / اليمن	محمد عبدالله عبدالرحمن عاطف	231906
			MOHAMED ABDULLA ABDUL RAHAMAN	

نشاطات الرخصة التجارية / License Activities

Domestic Gas Distribution
Central Gas Tanks Filling

توزيع الغاز المنزلي
تعبئة خزانات الغاز المركزية

العنوان / Address

Phone No	971-4-3376686	تليفون	P.O. Box	2189	صندوق بريد
Fax No	971-4-3369814	فاكس	Parcel ID	243-108	رقم القطعة
Mobile No	971-50-4588979	هاتف متحرك			مستودع ملك مؤسسة دبي العقارية - القصيص الصناعي 2

الملاحظات / Remarks

تم تغيير الموقع بتاريخ 22/7/2015
يمنع مزاوله نشاط الشركة الخاص بالدفاع المدني قبل أخذ موافقة الادارة العامة للدفاع المدني- دبي
The Company Shall not Carry on The DCD activities unless approved by Dubai Civil Defence

Print Date 25/03/2020 10:32 تاريخ الطباعة Receipt No. 13512116 رقم الإيصال

يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/ اتصالات) للحصول على إذن الدفع.
Now you can renew your trade license by sending a text message (SMS). Send your trade license number to 6969 (Du/ Etisalat) to receive payment voucher.

وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية. لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.dubaided.gov.ae
Approved electronic document issued without signature by the Department of Economic Development. To verify the license kindly visit www.dubaided.gov.ae



ملحق الشركاء
Partners

تفاصيل الرخصة / License Details

D&B D-U-N-S ® 561272980 الرقم العالمي License No. 208685 رقم الرخصة

اصحاب الرخصة / License Partners

Share / الحصص	Sr. No./مسلسل الشخص	Nationality / الجنسية	Name / الإسم
50.0000000%	10065	الامارات / United Arab Emirates	مليح لاحج خليفة البسطي / Malih Lahij Khalifa Albasti
50.0000000%	13450	الامارات / United Arab Emirates	حسين مهيووب سلطان / Hussain Mahyoob Sultan Aljunaidy الجنيدى

Print Date 25/03/2020 10:32 تاريخ الطباعة

Receipt No.

13512116

رقم الإيصال

يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/ اتصالات) للحصول على إذن الدفع.
Now you can renew your trade license by sending a text message (SMS). Send your trade license number to 6969 (Du/ Etisalat) to receive payment voucher.

وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية. لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.dubaided.gov.ae
Approved electronic document issued without signature by the Department of Economic Development. To verify the license kindly visit www.dubaided.gov.ae



ترخيص تركيب وصيانة الفئة الرابعة D (لأنظمة الغاز)

MCTNA0000067802-2017

رقم الترخيص
License Number

1 - 1

عدد التراخيص
Number of Licenses

رقم السجل
Registration Number
58544

222645

رقم الترخيص
License Number

لاحج وسلطان للخدمات التقنية ش.ذ.م.م

اسم المنشأة
Name of Establishment

الإمارات

الجنسية
Nationality

مليح لاحج خليفة البسطي

اسم صاحب الترخيص
Owner of the License

الإمارات

الجنسية
Nationality

حسين مهيوب سلطان الجنيدي

اطراف الرخصة
Partner in the License

6992

ص.ب.
P.O. Box

04-3369814

رقم الفاكس
Fax Number

04-3999935

رقم الهاتف
Office Phone Number

مستودع رقم 05 ملك علي محمد احمد الشامسي - ديرة - القصيص الصناعية الاولى

عنوان الشركة
Company Address

lahejgas@emirates.net.ae

الموقع / البريد الإلكتروني
Email of the Company

2022/03/24م

تاريخ الانتهاء
License Expired

2021/03/04م

تاريخ الإصدار
License Issued

2009/04/15

تأسست بتاريخ
Company Registered Date

الغاز

مجال الترخيص
Licensing Field

8

عدد الفنيين المعتمدين
Number of Approved technicians

4

عدد المهندسين المعتمدين
Number of Approved Engineers

تم اصدار الترخيص استناداً إلى القرار الوزاري رقم (213) لسنة 2017، في شأن تنظيم خدمات الدفاع المدني في دولة الإمارات العربية المتحدة
The license was issued pursuant to Ministerial Decree No. (213) for the year 2017 pertaining the regulation of civil defense services

يعتمد / عن مدير الإدارة العامة للدفاع المدني - دبي
Signature of Directorate of Civil Defense - Dubai



للطوارئ
EMERGENCY
997

الرؤية :

أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن والسلامة.

Vision :

To have the United Arab Emirates as one of the best countries in the world in achieving safety and security.



لاحج وسلطان للخدمات التقنية ش.ذ.م.م

اسم المنشأة
Name of Establishment

MCTNA0000067802-2017

رقم الترخيص
License Number

*حجم المشاريع عدد غير محدد من الطوابق غير محدد المساحة

فئة المشاريع المنفذة
Implemented projects Type

1 - 1

عدد التراخيص
Number of Licenses

كشف المعدات والأجهزة والمواد المعتمدة المراد صيانتها
List of approved equipments to be maintained

أنظمة الغاز Gas Systems

1

Tel : 04 - 2611111
Fax : 04 - 2612449
P.O. Box 11377, Dubai
United Arab Emirates
www.dcd.gov.ae

للطوارئ
EMERGENCY
997

الرؤية :
أن تكون دولة الإمارات العربية المتحدة من
أفضل دول العالم في تحقيق الأمن والسلامة.

Vision :
To have the United Arab Emirates as one of the best
countries in the world in achieving safety and security.

- ملاحظة : 1. يجب إبلاغ الإدارة العامة للدفاع المدني - دبي في حالة تغيير أو تعديل في البيانات المتعلقة في الترخيص الصادر من قبل الإدارة .
2. يجب على الشركة المعتمدة لدى إدارة الدفاع المدني - دبي إبراز الترخيص الساري المفعول الخاص بالمعدات المعتمدة والصادر من قبل الإدارة للمتعامل، وعلى الشركة تحمل المسؤولية عند انتهاء الترخيص أو إغلاق الشركة.
3. في حال إلغاء إقامة عمل المهندس أو الفني لدى الشركة المعتمدة أثناء سريان تاريخ الترخيص الصادر من قبل الإدارة العامة للدفاع المدني - دبي يجب إبلاغ الإدارة رسمياً وتقديم بطاقة المهندس أو الفني الاصل - يجب تقديم نسخة من إلغاء الإقامة .

- Note: 1. Any changes to the product / manufacturer / location or specification the Dubai Civil Defense - GHQ must be notified
2. Manufacturers shall produce a valid approval of products whenever requested.
3. If employment visa of engineer / technician is cancelled before company's license expires, Dubai Civil Defense - GHQ must be notified, also a copy of visa cancellation must be submitted to Dubai Civil Defense - GHQ.



يعتمد / عن مدير الإدارة العامة للدفاع المدني - دبي
Signature of Directorate of Civil Defense - Dubai

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Engineer - Install and Maintenance License

مهندس تركيب وصيانة

بطاقة رقم / Card No
DCDS0000359975
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
Rinoy Chittilappilly Wilson
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Engineer - Install and Maintenance License

مهندس تركيب وصيانة

بطاقة رقم / Card No
DCDS000023720
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
SHAFEEQ PALLATH SAIDHALAVI
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Engineer - Install and Maintenance License

مهندس تركيب وصيانة

بطاقة رقم / Card No
DCDS0000359511
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
BIBIN KUNJUKUNJU KUTTY
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Engineer - Install and Maintenance License

مهندس تركيب وصيانة

بطاقة رقم / Card No
DCDS00006306
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
BIJU BABY
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Technician - Install and Maintenance

فني تركيب وصيانة

بطاقة رقم / Card No
DCDS00006307
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
SAIDALAVI KOLANGAKKATTIL MOIDEEN
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Technician - Install and Maintenance

فني تركيب وصيانة

بطاقة رقم / Card No
DCDS0000359498
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
SREEJITH PURUSHOTHAMAN
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Technician - Install and Maintenance

فني تركيب وصيانة

بطاقة رقم / Card No
DCDS0000240561
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
ABILASH KODAKKARAN
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Technician - Install and Maintenance

فني تركيب وصيانة

بطاقة رقم / Card No
DCDS0000446619
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
DONGA DURGA PRASAD
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Technician - Install and Maintenance

فني تركيب وصيانة

بطاقة رقم / Card No
DCDS0000446612
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
VIJAYANATH KARTHIRESHAN
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
DIRECTORATE GEN. OF DUBAI CIVIL DEFENSE
PREVENTION & SAFETY DEPT.

الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
إدارة السلامة الوقائية

Technician - Install and Maintenance

فني تركيب وصيانة

بطاقة رقم / Card No
DCDS000059966
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017

اسم / Name
Sumesh Kumar
اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م



Technician - Install and Maintenance

فني تركيب وصيانة



بطاقة رقم / Card No
DCDS000035559
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017



اسم / Name
JOBY JOSEPH

اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م



Technician - Install and Maintenance

فني تركيب وصيانة



بطاقة رقم / Card No
DCDS00006308
تاريخ الانتهاء / Expiry Date
25-Mar-2022
رقم اعتماد الشركة / Approval No
MCTNA0000067802-2017



اسم / Name
KURIAN VARGHESE

اسم الشركة / Company
لاحج وسلطان للخدمات التقنية ش.ذ.م.م

Date: 28/12/2020

CERTIFICATE OF INSURANCE

We hereby certify that our client M/s Lahej and Sultan Cleaning Services and/or Lahej and Sultan Security carries the following insurances.

POLICY No.	: P2/20/16-0704-003173
TYPE OF COVER	: Public Liability Insurance
INSURED	: M/s Lahej & Sultan Cleaning Services & General Maint.Co & /Or Lahej & Sultan Security LLC & /OR Lahej & Sultan Gas Distribution LLC &/OR Lahej & Sultan Technical Services LLC and or subsidiary and associated companies
PERIOD OF INSURANCE	: From 01.01.2021 to 31.12.2021 (Both days inclusive)
LIMIT OF LIABILITY	: AED.5,000,000/- anyone occurrence and unlimited in the period of insurance
TERRITORIAL LIMITS	: United Arab Emirates but extended to Worldwide excluding USA/Canada in respect of non-manual business visits
JURISDICTION	: United Arab Emirates extended to Worldwide excluding USA/Canada for Fairmont Hotel contract.
EXTENSIONS/ RESTRICTIONS	: All as per Qatar Insurance Company's Policy No. P2/20/16-0704-003173

-Waiver of subrogation

It is understood and agreed that otherwise subject to the terms, exclusions, provisions and conditions contained in the Policy or endorsed thereon the Insurers agree to waive all rights of subrogation arising out of loss or damage indemnifiable under the Policy which the Insurers may have against Joint Insured and/or their Principals

-Cross-liability

Provided that any liability of the Company shall not be increased beyond the limits as stated in the schedule it is hereby understood and agreed that for the purpose of this policy each of the insureds named in the schedule shall be considered as a separate and distinct unit and the words " the insured" shall be considered as applying to each of these insureds in the same manner as if a separate policy had been issued to each of these insureds and the Company hereby agrees to waive all rights of subrogation or action which the company may have or acquire against either of these insureds arising out of any accident in respect of which any claim is made hereunder.



-Work away risks

This Policy is extended to cover

- (a) Bodily Injury to or illness of any person
- (b) Loss of or damage to property

Happening in the territorial limits as specified in the schedule in connection with the Business and occurring

- (a) upon or about the premises
- (b) during and in connection with the duties elsewhere of any person (including the insured) employed

This certificate is issued as evidence that insurance has been effected as per our Standard Policy Wording and does not purport to show full terms and conditions of coverage nor vary them in any way. The terms and conditions of the insurance policy shall prevail in the event of any inconsistency between this certificate and the policy.



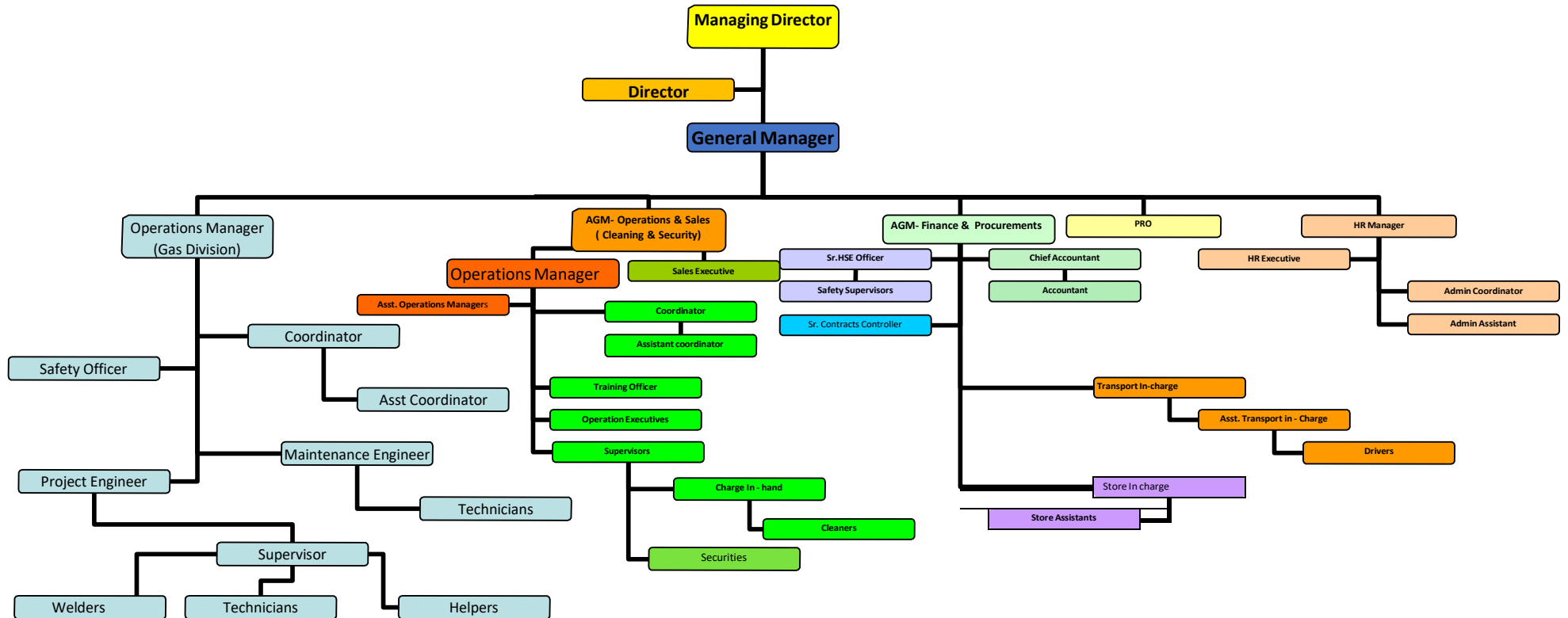
For Qatar Insurance Company

ORGANISATION CHART

Lahej & Sultan

Cleaning ,Security & Gas Division

Organisation Chart



PROJECT DETAILS

PROJECTDETAILS

Here with we are listing some of our prominent projects and clients that we have implemented successful solutions in the last three years.

PROJECT : LAMCY PLAZA SHOPPING CENTRE.
CLIENT : AL MAYA GROUP
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 400,000.00/-
TANK CAPACITY : 5000 LTS, 1 NOS
TYPE : ABOVE GROUND

PROJECT : ASWAAQ SHOPPING CENTRE -MIRDIF,MIZHAR,NADALHAMMAR,BARSHA,BADAA
CLIENT : ASWAAQ
CONSULTANT : ARKIPLAN CONSULTING ARCHITECTS
CONTRACTOR : AL ARIF CONRATING
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 850,000.00
TANKCAPACITY : 4880LTS, 2 NOS A/G & 1825- 4 NOS A/G.

PROJECT : JUMEIRAH PARK VILLAS- 800 VILLAS
CLIENT : NAKHEEL
CONSULTANT : DAR AL HANDASAH
CONTRACTOR : DODSAL ENGINEERING AND CONST.
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 800,000.00.

PROJECT : 260 KEY VILLAS
CLIENT : DUBAI PROPERTIES
CONSULTANT : IAN BANHAM
CONTRACTOR : AL HABTOOR
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 300,000.00.

PROJECT : ASPIN RESIDENTIAL TOWER-B+G+M+18 TYP+HC
CLIENT : AHK HOLDINGS
CONSULTANT : CHAWLA ARCHITECTURAL & CONSULTING ENG.
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 350,000.00.



PROJECT : SIT TOWER- 3B+G+25 BUILDING-SILICON OASIS
CLIENT : MOHAMMED NASSER MOHAMMED IQBAL
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 350,000.00.

PROJECT : UPTOWN SCHOOL-MIRDIF
CLIENT : TALEEM
CONSULTANT : ARCHEN ENGINEERING
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 300,000.00.

PROJECT : GEMS WILLINGTON ACADEMY,SILICON OASIS
CLIENT : GEMS GROUP
CONSULTANT : NATIONAL ENGINEERING BUREAU
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 300,000.00.

PROJECT : G+M+1+GYM RESIDENTIAL & COMMERCIAL BUILDING
CLIENT : FARDAN ALI FARDAN
CONSULTANT : DEIRA ENGINEERING CONSULTANT
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 150,000.00.

PROJECT : SUPREME FOOD PROCESSING FACTORY,DUBAI INDUSTRIAL CITY.
CLIENT : PERFECT FOODS
CONSULTANT : ALIGN CONSULTANTS
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 250,000.00.

PROJECT : RAM METAL INDUSTRIES-FACTORY
CONSULTANT : EMIRATES ENGINEERS
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 150,000.00.

PROJECT : NAD AL SHEBHA CLUB HOUSE
CLIENT : H.H.RULERS COURT
CONSULTANT : SHARAFI-PHB
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 320,000.00.

PROJECT : HOLIDAY INN HOTEL- AL BARSHA
CLIENT : HOLIDAY INN
CONSULTANT : DESIGN CENTRE
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : AED 300,000.00.



Our other valuable Clients with whom we are associated with

CLIENT	COMPLETED PROJECT TYPE	AREA
FOUR POINTS SHERATON	HOTEL BUILDING	KHALID BIN WALEED ROAD & MANKOOL
PRIDE HOTEL	HOTEL BUILDING	AL BARSHA
RAMI HOTEL	HOTEL BUILDING	BURDUBAI
DUBAI WOMENS COLLEGE	COLLEGE	AL GHUSAIS
PARK N SHOP	SHOPPING MALL	DUBAI INVESTMENT PARK-1
AL SHAFAR GENERAL CONTRACTING	STAFF AND LABOUR ACCOMODATION	AL QOUZ
ARABIAN GULF CONTRACTING	LABOUR ACCOMODATION	AL QOUZ ,DIP
GULF HOUSING SOLUTIONS	LABOUR ACCOMODATION	AL QOUZ,DIP
DULSCO	LABOUR ACCOMODATION	MUHAISNAH,DIP
SOBHA ENGINEERING	LABOUR ACCOMODATION	DUBAI INVESTMENT PARK-1
AL NABOODAH AUTOMOBILES	LABOUR ACCOMODATION	AL QOUZ
AL AMMAR ENGINEERING	LABOUR ACCOMODATION	MUHAISNAH
AL BASTI & MUKTA CNTRACTING	LABOUR ACCOMODATION	JEBEL ALI
CHOWKING	CENTRAL KITCHEN	DUBAI INVESTMENT PARK-1
DUBAI INTERNATIONAL REAL .E	PALACE	LISALI
H.H.RULERS COURT	PALACE -KITCHENS	NAD AL SHEBHA
OBAIDULLA CONTRACTING	LABOUR ACCOMODATION	DUBAI INVESMENT PARK
CHICAGO CONSTRUCTION	LABOUR ACCOMODATION	AL QOUZ
PURANMAL	RESTAURANTS & CENTRAL KITCHEN	VARIOUS LOCATION
EMIRATES INTERNATIONAL REST	RESTAURANTS	VARIOUS LOCATTIONS
EMIRATES REFRESHMENTS	LABOUR ACCOMODATION	AL QOUZ
GULF FIDELITY	LABOUR ACCOMODATION	AL QOUZ
NOVOTEL	HOTEL BUILDING	TRADE CENTRE
LAHEJ & SULTAN	LABOUR ACCOMODATION	JEBEL ALI & DIP
AL SHOWAIB REAL ESATE	LABOUR ACCOMODATION	AL QOUZ & MUHAISNAH
HAROTS	RESTAURANT	JUMEIRAH
ABSHAR RESTAURANT	RESTAURANT	JUMEIRAH
DUBAI OFFSHORE SAILING CLUB	CLUB	UM SUQUIEM
ENOC	FOOD COURT	WADI AL SAFA
BHARAT CONTRACTING	LABOUR ACCOMODATION	DUBAI INVESTMENT PARRK-1
AI FUTTAIUM CARILLION	CENTRAL KITCHEN	AWEER
AL HABTOOR ENGINEERING	CENTRAL KITCHEN	AWEER
AL SHIRAWI EQUIPMENTS	FACTORY	AL QOUZ



SOME OF OUR JOBS UNDER EXECUTION

NO	CLIENT	DESCRIPTION OF WORK	CONSULTANTS
1	LAHEJ & SULTAN	CENTRAL GAS SYSTEM FOR 2B + G + 14 RESIDENTIAL & COMMERCIAL BUILDING- LOCATED AT AL BARSHA	AL WASL AL JADED CONSULTANT
2	MOHD NOOR MOHMOOD MASHROOM	CENTRAL GAS SYSTEM FOR THE B+G+6+R RESIDENTIAL BUILDING LOCATED AT AL WARKA.	AI AJMI ENGINEERING CONSULTANT.
3	ATIQ JUMA ALI	CENTRAL GAS SYSTEM FOR G+5 +ROOF RESIDENTIAL BUILDING AL WARSAN	A & Z Architectural Engineering Consultant
4	CHOWKING	CENTRAL GAS SYSTEM CENTRAL KITCHEN AT DUBAI INVESTMENT PARK-1	DESIGN CONCEPTS.
5	ENOC	CENTRAL GAS SYSTEM FOR THE FOOD COURT AT ENOC PETROL STATION AT WADI AL SAFA	AI GURG CONSULTANT
6	AL SHOWAIB REAL ESTATE	CENTRAL GAS SYSTEM FOR LABOUR ACCOMODATION AT AL QOUZ	BHATIA & BROTHERS
7	INTEGRATED TUBULAR AND OILFIELD	CENTRAL GAS SYSTEM FOR LABOUR ACCOMODATION FOR 6000 PERSONS @ dip	ALIGN CONSULTANTS
8	ABUDHABI VOCATIONAL EDUCATION & TRAINING	CENTRAL GAS FOR G+1 FATHIMA COLLEGE OF HEALTH SECIENCE-AJMAN	MIMAR ENGINEERING CONSULTANT
9	GOVERNMENT OF SHARJAH	HIGHER COLLEGE OF TECHNOLOGY-SHARJAH	MIMAR ENGINEERING CONSULTANT
10	H.H.SHK AHMED RASHID AL MAKTHOUM	CENTRAL GAS SYSTEM FOR STAFF ACCOMODATION	RENDERS ENGINEERING CONSULTANT
11	DUBAI MUNICIPALITY	CENTRAL GAS SYSTEM FOR G+4 RESIDENTIAL BUILDING-AL TAWAR-4 BUILDINGS	ARCHDOME CONSULTING ENGINEERS

ABOUT THE SYSTEM

L & S shall furnish the design, supply and installation of central piped gas system as described in the specification all in perfect work to the satisfaction of the engineer and in the accordance with the relevant accepted codes of practice and standards .The system shall meet the requirements of local authorities and civil defense approval. This work shall include but not limited to the following

- a. Storage tank
- b. Gas pipe work
- c. Filling point
- d. Risers/ Laterals/ Droppers
- e. Appliance connection
- f. Gas leak detection system
- g. Pressure regulation and distribution panel
- h. Emergency shut off valve
- i. Seismic valve

The work covered under this section we include

All the supply, installation, testing, commissioning, maintenance and delivering in good operating conditions, of a complete system.

LP GAS STORAGE TANK:

Horizontal tanks shall be installed as per DCD regulations.

The tank is fully equipped with the following

- Magnetic level gauge
- Check lock filler valve
- Multivalve assembly
- Safety relief valve
- Check lock liquid withdrawal valve
- Check lock drain

LPG TANK CONTROL:

There are numbers of fittings mounted on the top of the tank to permit safe filling and use these controls are under a hood, which should be kept locked (if the tank itself is not fenced). The tank should be equipped with a magnetic liquid level indicator. The liquid level indicator (float gauge) gives the customer an approximate indication of the liquid level inside the tank in percentage.

- A fixed maximum level gauge e.g. The vent valve type, with 1.5mm or less orifice diameter.
- A shutoff valve for each connection of the outlet pipes for both gaseous and liquid phases
- A double check filler valve & an isolation valve on the filling connection.
- The 1st stage regulator is fitted to the vapor outlet on the tank.
- Isolation valve is fixed downstream from regulator, in close proximity.

GAS PIPE WORK

Seamless carbon steel (Sch-40) are used in risers, laterals & droppers according to the design. All the pipe work to be kept exposed & painted yellow as per Dubai Civil Defense regulations.

FILLING POINT

Shut off and non-return valves are provided at the filling point, which is located at the LPG tank. Filling point is secured by lockable box.

APPLIANCE CONNECTION

- The final connection to the appliance are in carbon steel the same as risers and it is included a union to allow for easy disconnection.
- Hoses are used on the low pressure side of the regulators.
- Each connection points are provided with a service, close to the appliance so that the equipment can be isolated and removed, without having to shutdown the whole gas supply system.
- Auto shutoff valves (mechanically operated) are provided upstream to each appliance.

GAS LEAK DETECTION SYSTEM

Gas tank and kitchen are protected with a gas leak detection system.

- A central control panel (including sensors) flashing light alarms and horn for 15% level and closing the gas supply at 30% level. 0-100% level indicator each zone.
- The gas control panel is inter locked with the fire alarms panel
- Gas leak detector on the tank area is explosion proof.

PRESSURE REGULATING AND DISTRIBUTION PANEL

Panel is located on the ground floor. Enclosure constructed from powder coated aluminum sheet with approved lock and locked doors

- Shut off valves
- Solenoid valve
- Emergency Bypass
- Pressure gauge
- Test/ purging point

EMERGENCY SHUT OFF SYSTEM OF GAS SUPPLY

This system includes

- A control panel linked to LPG sensors at tank yard & kitchen. The panel is also interlinked to fire alarm control panel to provide shutdown in case of fire.
- A Solenoid valve 24 V DC (N/C) linked to control panel
- Cables and accessories

- Emergency push button shut down switch is provided at the kitchen exit to manually shut down the supply of LPG in case of any potential hazardous situation.

FIRE PROTECTION:

- Deluge valve assembly & sprinkler system with mechanical & heat fuse sprinklers as per DCD regulations.
- Dry riser & breaching inlet. This system is used where the pump capacity is not sufficient to supply water for deluge valve, for roof top tanks installation.
- Fire extinguishers, suitable for LPG fire (such a dry powder& CO2) are located at strategic points adjacent to the installation.
- Provision for interlinking to fire alarm control panel or IFU (for malls) as per DCD regulations
- Hazard warning notice like “No Smoking”, “Danger, LPG”, are displayed in prominent position around the tank installation.

OUR HSE POLICY

OUR SAFETY SYSTEM

A safety and environmental philosophy is normally developed for the project. It is formulated to ensure that hazards, which can affect the safety of the personnel, the integrity of the facilities and the conservation of the environment, are properly and adequately considered. In doing so, all legislative requirements are observed and complied with and the appropriate codes and standards are introduced onto the execution of work to ensure the retentions of good and well proven engineering practice throughout

Probable hazards are established by comprehensive analysis. Then appropriate safety and environmental system and procedures are then in corporate into the project.

The principal objectives are:

- To provide a safe working environment for personnel
- To provide minimize the potential of hazardous occurrence
- To avoid exposure to the potential hazards
- To contain or minimize the effect of hazards
- To provide means of escape from hazards
- To provide environment protection

SITE SAFETY MANUAL OUTLINE

A. Prevention Programs

In addition to regular site safety meeting under the direction of the project manager and safety engineer outlined in project execution tool box meeting also be periodically arranged by the members of the L & S 's field supervision to remind sub contractor's supervisor and labour of their responsibilities towards ensuring site safety and ensure they are informed for current practices.

Regular information will be developed by L&S for its employee in order to make them aware of any hazards associated with fieldwork progress.

For this purpose L&S will, as part of the site prevention programme, provide field bulletin boards, which will include posters, general instruction prevention score boards and the like

These boards will be located at strategic points throughout the site in order to keep personnel informed on all safety matters.

B.S afety Manual Guideline

The main provision of the safety manual that project manager will distribute after owners approval, to all field personnel are summarized in the following subsections:

1. Personnel protection equipment
2. Fire prevention
3. Mobile equipment and rigging practices

4. Excavation and rigging practices
5. Ladders and scaffolding safety
6. Transportation safety
7. Work permits
8. House keeping
9. Emergency situation
10. Reporting of accidents
11. Procedure to obtain first aid/ assistance for injuries.

1. Personnel Protective Equipment

The provision and use of personal protective equipment by all the labour force is considered to be an essential part of safe construction practices. This includes the wearing at all times of safety hats and footwear, and the use of goggles, gloves and safety belts, breathing apparatus as may be required by particular operation

2. Fire Prevention

L&S will provide and maintain in good working order such firefighting equipment and facilitates it may be necessary in order to control and extinguish any fires that may occur within their working area. The requirements of client and local regulations would be complied with and personnel would be trained in the use of the fire protection equipment provided.

3. Mobile Equipment and Rigging Practices

All lifting equipment including cranes, chains, hooks slings and shackles will be inspected and maintained in good construction practice and client's standards

4. Excavation and Form Work Safety

L&S will enforce any excavation work and the preparation and erection of form work carried out by L&S will be in full compliance with the requirement of client safety manual.

5. Ladders Scaffolding Safety

Ladders will be of timber or metal or of an approved type erected and used in a safe manner

6. Transportation

Particular attention will be paid to all matter relating to safety in use of motor vehicle and construction equipment. All L & S drivers and equipment operators will be qualified to ensure their capabilities and field safety acquaintance

7. Work Permits

Work permits will be obtained prior to the commencement of any work within owner specified restricted area when applicable.

8. Housekeeping

ASG will comply with the established and continued operation of a good housekeeping program is an important factor in ensuring that lost time is kept to a minimum and may be considered to include, amongst other things.

- a) The regular collection and removal to a suitable disposal point of debris, garbage etc.
- b) Provision and maintenance of good sanitary facilities and sanitation practice
- c) Prevention of personnel entering the work site if suffering from any contagious disease
- d) Provision and maintenance of adequate first aid facilities on the job site
- e) Emergency situation

9. Emergency Situation

L & S will develop action plans to cater for emergency situations incorporating clients requirements and will ensure that subcontractor personnel are aware of the procedures.

Periodic reviews will be undertaken with client's representatives.

10. Reporting Of Accidents

Client will be informed in a case of.

All injuries to personnel requiring medical attention

All damage to L&S or subcontractor plant and equipment

All damage to client's equipment is property

All fires

Application of owner's standards

L&S expects that clients has already developed various safety standards, which will be applicable to this project

L&S will include in the safety manual a summary of the standards indicating the associated responsibilities at field

Safety Engineer

Reports to : Project Manager

Supervises : site engineer and supervisor of sub-contractors

Responsibilities:

In day to day operations he has the responsibility to provide all levels of supervision with the services and technical advice needed for proper compliance of the job site safety program. He is responsible to the project manager for objective and independent accident prevention judgments, which will make the job site program effective

Duties:

- a) Develop guidance and programs to eliminate physical hazards from the job site substitute safe practices for any unsafe practices of contractor and subcontractor personnel

- b) Formulates recommend and administer all approval changes in the accident prevention program
- c) Monitor all area supervision by regular reports system personally investigating serious accident
- d) Maintain an adequate report system, personally investigating serious accidents and taking corrective action to take eliminative accident causes
- e) Cooperative with sub-contractors supervisors in establishing training of their personnel when required
- f) Conduct inspection to discovered and initiate corrective action on unsafe conditions or work practice through site patrolling and monitoring
- g) Monitor sub-contractors for full compliance with governmental rules bearing on construction safety.
- h) Recommended to sub contractor's programmers and activities that will stimulate and maintain the interest in safety. Assure posting of appropriate safety signs, posters, bulletins etc., and require subcontractor supply for periodic changes. Check that proper warning signs and tags are used.
- i) Prepare and submit safety audits monthly to the clients safety engineer
- j) Supervise job site security and traffic control personnel
- k) Call and conduct safety meetings
- l) Establish first aid center with adequate facilities

Note: Sub-contractors means:

- Firefighting contractors
- Electrical sub-contractors
- Civil sub-contractors

PLANNING & METHODOLOGY

A properly planned site does require minimum monitoring & a properly monitored site fetches good productivity and enhanced output

1. The total information system is centered on micro level estimation of cost at the elemental level, translating the contract amount to minute elemental level costs for costing and budgeting which would be later on used as the control measure
2. To facilitate such detailed costing necessary data has to be built up over the years on various types of job, various location, various environment etc
3. the control mechanism is built on a 2- tire system for the site itself via, work break down structures(WBS) which are controlled by operation manager (as they may be called) and work package(WP) which form part and parcel of WBS(EQ) In a site different systems, which could be separately traced and distinctly identified, would be called as different WBS .For each WBS there would be one man in charge(operation manager)and he would be held responsible for the cost of pertaining to the WBS. The system is through up feedback information regarding a particular type of work incidentally.
4. When it comes to work packages, a group of packages would form a WBS. Work package would comprise of work relating to a homogeneous group activities of a WBS and hence would also helping the process of proper estimation for future job

5. ESTIMATION

The estimation is done for the following, categories of cost, which would be called as sub head of expenditure

- A) Direct labor
- B) Support staff/ supervisory man power(called as contractors staff)
- C) Construction equipment /aids
- D) Temporary facilities (such as site office)
- E) Temporary materials(wooden plank ,piping etc)
- F) Erection tools
- G) Mobilization and de mobilization(travel &transport for men &machinery)
- H) Insurance
- I) Ancillary
- J) Material/ Equipment
- K) Consumables
- L) Material handling
- M) Commissioning assistance
- N) Any other supply

6. BUDGET

After completing estimation in great detail, as listed in previous paragraphs, the project manager does the budgeting. Budget is broken into three levels via estimators, managers and corporate level budget. The corporate budget is the stripped down version of the overall estimation. The manager budget is a sub-set of the corporate budget without the head office overhead inclusive of contingency. The estimator's budget forms part of the manager's budget but is devoid of any

provisions of contingency. After the budgeting process costing is done .while the estimation and the budget are according to the heads of expenditures given in the paragraph on estimation, the costing is based on WBS, W.P and heads the expenditure (sub codes). This means that for each WBS, cost with respect to every head of expenditure is arrived at. Such an exercise is done for every single WBS. The total cost of all WBS would be equivalent to the total budgeted amount. The total budgeted amount could also be broken into different heads of expenditure by adding the values of different WBS. Thus there would be a total picture of cost looking at it from either the WBS angle or from the head of expenditure angle. Work packages are very small and are nothing but miniature of WBS in concept

7. MAN POWER SCHEDULING

The various activities in the project are fitted into the overall time schedule in terms of different months. The requirement of manpower for each of the categories is estimated on the basis of assumptions made at the estimation stage in terms of manpower and the time frame as decided. The manpower schedule is drawn in terms of each category of manpower on the frame. The charging of manpower is done to the respective WBS.

The starting point is the overall schedules, which is given by the client, and this is split up into weekly fortnightly and monthly schedules.

8. MAN POWER MONITORING

The direct labor, which generally has more percentage contribution, requires close monitoring. This shall be monitored for each WBS and WP. Also the information forms basis to compute:

Efficiency of manpower
Composition of trades
Costing of future projects

9. PROGRESS MEASUREMENT

One method of progress measurement is based on billing value. Billing is done based on agreed milestones. The primary input for billing is only the total man hours deployed.

Projects are divided into two categories- labor oriented and equipment oriented. For the purpose of such a categorization ,the total cost as estimated and budgeted for labor and rest of the components is compared and if labor outweighs the other components, it is termed as labor oriented and vice versa. The ratio of this comparison is used as a weighing factor for estimating the progress.

There can be other methods of progress measurement also depending upon client's agreement.

10. INVENTORY CONTROL

Inventory control is exercised at the level of WBS, based on monthly reports .based o value and life, an item is categorized either asset or inventories .control is exercised on inventory items and charged 100% to the project. Ac regards assets 100% value is charged the project but the salvage value is also taken into account at the end of the project depending on whether it is sent to another project or disposed of etc. Control on certain categories of consumables like the electrode requires systematic analysis of theoretical requirements and comparison with actual requirements.

11. ENGINEERS OF CONTRACT AND CLAIMS

Knowledge of contract is essential for everyone. However there should be a designated engineer of

contract who is authorized to study and point out deviations of jobs in site

12. EQUIPMENT UTILISATION

All construction aids / equipment are analyzed with respect to their utilization and this utilization factor is recorded as measurement of the extent to which the equipment is utilized in comparison to the total hours for which it has been made available at site also the fuel used is recorded for proper monitoring which forms as basis for future project estimation.

13. MATERIALS HANDLING

The permanent materials should be segregated based on WBS and WP and also should be stored in yard accordingly. This will eliminate double handling of material thus saving manpower and machine hours.

14. DRAWING CONTROL

The drawings used should be approved for construction drawing. This depends on the method of drawing issue by client segregation of drawings based on WBS, WP and also relevant materials in advance based on master drawings list has to be done.

This will enable to project the problem areas while monitoring whether it is material or drawing related problem.

15. WEATHER

Day-to-day recording of weather is also carried out and reported on monthly basis. This information is used primarily to analyze shortfalls in productivity and progress. Also it is used for time extension against liquidated damage.

TRAINING PROGRAMS

Good ranges of training are given to L & S engineers at regular Interval. The below mentioned training programs are usually given to our staffs.

- A) LPG tank installation and maintenance training – Lapesa, Spain
- B) LPG tank installation and safety precautions – Antonio Merloni ,Italy
- C) Gas detection system& trouble shooting methods- Oldham, France.
- D) LPG bulk storage tank &bottling system training.- Emirates gasUAE
- E) LPG system maintenance seminars-conducted by Emirates gasUAE
- F) Deluge valve system design, installation, testing & commissioning -RAPIDROP, UK
- G) Fire safety& Good engineering practices: LAHEJ & SULTAN , UAE

EQUIPMENT

EQUIPMENT	QTY	BRAND NAME
POWER THREADING MACHINE	08	RIGID
VICES	10	RIGID
TOOLBOX	15	RIGID
WELDING MACHINE	07	MILLER
OXYGEN / ACETYLENE CYLINDER SET	04	EIG
GRINDING MACHINE	06	BOSCH
DRILLING MACHINE	12	HILTI
PIPE WRINCHES	20	DEWALT
CUT OF MACHINE (DISC TYPE)	06	RIGID
DIAMOND DRILLING MACHINE	03	HILTI
HAND BEVELLING MACHINE	06	HILTI
AIR COMPRESSOR	03	FLAC
GENERATOR	02	HONDA
MULTI METER	06	GREENLEE
CIRCUIT METER	04	GREENLEE
FLOW METER	03	GREENLEE
HAND HELD GAS DETECTORS	04	SCIENTIFIC INDUSTRIAL
GAS LEAK TESTING DEVICES	03	SCIENTIFIC INDUSTRIAL

MAINTENANCE

MAINTENANCE INSPECTION REPORT LPG SYSTEM

REF No:		INSPECTION DATE:	
CLIENT			
FACILITY/PROJECT			
UNDER WARRANTY <input type="checkbox"/>	UNDER CONTRACT <input type="checkbox"/>	OTHERS <input type="checkbox"/>	

SYSTEM DETAILS:

A	CENTRAL PANEL APPARATUS	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	Control Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Control Keys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Stand by Batteries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Emergency Shutdown Switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Fire Alarm Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Sounder/ Flasher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Signal to main LPG Solenoid valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Signal to Sprinkler Solenoid Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Cabling/ Conduiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	LPG Detector Zone 1 (Tank Yard)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	LPG Detector Zone 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

OBSERVATION/
RECOMENDATION

B	MANIFOLD /TANK ACCESSORIES	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	LPG TANK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Multi Valve Assembly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Hydrostatic Pressure Relief Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Back Check Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Pressure Regulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	PRDP Cabinet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Pressure Gauge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Isolation Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Cylinder Manifold	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	Piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	Flexible hoses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

OBSERVATION/
RECOMENDATION

C	ZONAL KITCHENS:	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	Control Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Emergency Shutdown Switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Fire Alarm Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Sounder/ Flasher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	LPG Solenoid valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Cabling/ Conduiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	LPG Meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	LPG Detector Zone 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OBSERVATION/ RECOMENDATION					
D	ZONAL KITCHENS:	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	Control Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Emergency Shutdown Switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Fire Alarm Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Sounder/ Flasher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	LPG Solenoid valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Cabling/ Conduiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	LPG Meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	LPG Detector Zone 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OBSERVATION/ RECOMENDATION					
E	ZONAL KITCHENS:	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	Control Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Emergency Shutdown Switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Fire Alarm Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Sounder/ Flasher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	LPG Solenoid valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Cabling/ Conduiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	LPG Meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	LPG Detector Zone 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	LPG Detector Zone 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OBSERVATION/ RECOMENDATION					
INSPECTION CONDUCTED BY:			APPROVED BY:		

CONTACT DETAILS

OFFICE ADDRESS

PO BOX, 52075, DUBAI, UAE

OFFICE LOCATION

GHUSAIS-1
DUBAI, UAE

CONTACT DETAILS

TELEPHONE: + 971 4 3999935

FAX: + 971 4 3369814

EMAIL: lahejgas@eim.ae

www.lahejsultan.com