

# MAA KUTHARI (M) SDN. BHD.

**Engineering - Construction - Project Management** 

(A Company of Maa Kuthari Group)













To become a leading E&C service provider of choice for clients worldwide and to set benchmark in technical excellence & corporate social responsibility.

## **OUR MISSION**

We will provide high quality services through best practices while conducting our business in a responsible, safe and profitable manner with a target of Zero harm to people and the environment.

## **STRATEGY & ACTION PLAN**

Total customer satisfaction through High Quality, High Performance & Cost Effectiveness.



# MAA KUTHARI (M) SDN. BHD.

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## **ABOUT US:**

## MAA KUTHARI (M) SDN. BHD.

**MKMSB** is a Bumiputera Company with interest and operation in Engineering, Construction and Technical Training. MKMSB have deep belief in Operational excellence and corporate social responsibility, we continuously reduce impact on the environment through better work and operational practices.

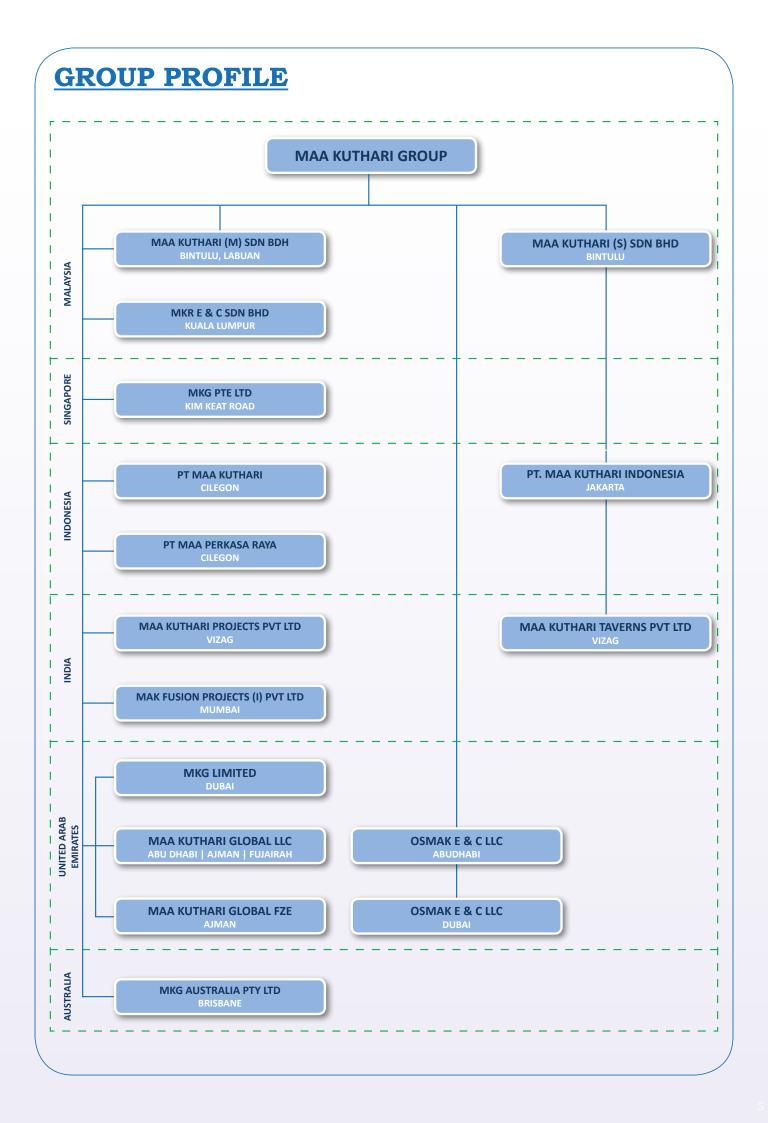
Established in the year 2008, MKMSB has successfully undertaken various projects in Oil & Gas and offshore sector. With continuous operational and management support from our group company Maa Kuthari Global (UAE) MKMSB has consistently delivered projects, providing value-added engineering, construction and service skills to customers for whom the quality of execution, efficiency and reliability are critical. MKG group has extented its reach beyond UAE and made its presence in seventeen countries. MAA Kuthari Group has offices in UAE, Malaysia, Indonesia, India, Singapore and Australia.

Our core strength lies in our efficient human resource base which includes personnel from all disciplines having vast experience in execution of large construction projects across international spectrum. We are a people driven organization and work beyond ethnic and cultural barriers. Our strength lies in keeping pace with latest technology developments coupled with well qualified and experienced team always willing to exceed customer satisfaction

Unique Data management expertise developed through in-house developed project execution software package (modules cover Planning, Controls, Engineering, Procurement, Material Control, Inspection & Construction management coupled with and turn around documentation management) helps to manage fast track and complex projects with ease.

We use our Construction Management Tool – AMOGH to manage complete Civil, Piping, Mechanical and Electrical & Instrumentation activities – from design to testing. AMOGH is integrated to PDMS, Spooling, Cable scheduling, Construction Planning & monitoring, Material management and material allocation as per drawing. Progress, Revision & Change management, Construction, Quality & Inspection and final documentation. Total Project data for Drawings & revisions, Quality, Construction, Schedule, Materials, invoicing can be accessed by authority of any level from any where in the world with user ID and password. AMOGH ensures smooth and efficient project completion.





# Our Services & Capabilities: Engineering & Design Services. Mechanical & Piping Construction. Electrical & Instrumentation Installation & Testing. ► E&I Calibration Services. Project Management services.

## **Market focus:**

We cater to all types of industries & Projects. However our key focus areas are,



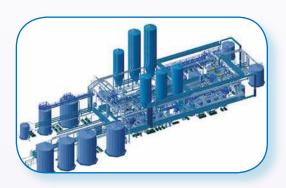
OIL & GAS



**SOLAR POWER** 



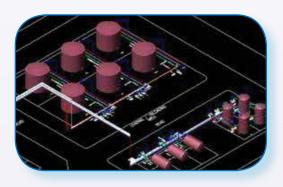
**PETROCHEMICAL** 



**PROCESS INDUSTRY** 



**POWER & DESALINATION** 



**TANK FARM** 

## Our Global presence:

To cater our clients across the globe we have established our regional offices and in country support centres at convenient locations. Currently our permanant offices & establishments are there in 6 countries.



# **Our Project Locations:**

Our project locations are across the globe. Our crew are familiar with diversified geographical conditions & are willing to deliver best results according to the local/international standards.



# People, the prime movers:

Our strength always been pool of experienced staff and technician who have knowledge and capacity to successfully execute project as per customer requirement. We consider their vast experience as the key asset to our organization.

NAME	POSITION	AREA OF EXPERTISE	EXPERIENCE in Years
Surendra Kumar Mahanty	Chairman & CEO	Engineering, Project Construction & Management and Controls	20
Margaret Nalong	Director	Project Management & Controls	15
Pradeep K Pati	Director & CSO	Project Management Systems, Networking & Database Management	18
Ashish Sinha	Director	Project Management, construction	21
Arun S Pillai	Director	Engineering, Project & Construction Management and Construction	18
R R Sivasankar	Director	Contracts Management, Projects Management	21
K Surendran Nair	Director E & I	Project Management Electrical & Instrumentation	32
Surender K Sharma	Director SEA	Project Management, Construction & Commissioning	46

## Our Associates & Business Partners



**ZON BERKAT SDN. BHD**., A Member Of Dewan Usahawan Bumiputera Sarawak, (DUBS) Bintulu Branch is a team of experienced and well qualified Engineers having outstanding track record in the field of construction and erection of Engineering projects includes mechanical installation work, pipe fabrication works, blasting & painting works and supply, hiring and erecting scaffolding and camp management & hospotality services.

Its directors and its employees have extensive experience and have been involved in the oil and gas industry. ZON BERKAT represent a highly professional and pragmatic approach in their capability which can be assessed from their previous successful assignments.

**Zon Berkat Sdn Bhd** offers full scaffolding service to clients throughout the local area. The company, which is based in Bintulu, Sarawak, Malaysia began trading in 2011. All of its staff hold either intermediate or basic scaffolding qualifications and have many years experience in the scaffolding industry in the oil and gas sector.

With a excellent team of hard working employees, Zon Berkat Sdn Bhd has the workforce and commitment to carry out and provide highly skilled scaffold service to a very high standard.

## **SERVICES & CAPABILITIES**

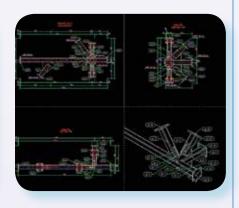
## **Engineering & Design Services**

Detail Engineering plays major role in smooth & time bound construction. With our team of Engineers & Draftsmen are capable of preparing construction drawings & detailing. We provide,

- ▶ Detail Engineering, designing and drafting.
- Detail & field Engineering
- ▶ 3D Modeling by PDS/PDMS
- Extraction and annotation of GA drawings
- Isometrics Preparation
- ▶ Isometric Spooling using Spoolgen
- ▶ Pipe Support designing & detailing
- ▶ Cutting Plans preparation
- ▶ Tie-in Dossier preparation & management
- MTO preparation for all disciplines
- ▶ Structure Steel designing & detailing
- ▶ Electrical & Instrumentation detail engineering
- Test Pack preparation and control
- ▶ All Engineering coordination.
- ▶ Interfacing among disciplines and TQ management.
- ▶ As Built drawings preparation







## Mechanical & Piping construction:

Our Mechanical & Piping division offers full range of Equipment, Piping & structure steel erection services. We ensure strict compliance to approved method statements, inspection plans, procedures, while executing the project. Our experienced team, established procedures and proven construction management systems ensure a safe, efficient and reliable construction on all our projects.



## **Equipment:**

- ▶ Installation of Process Equipment.
- ▶ Installation of Columns & Reactors.
- ▶ Installation of Vessel Internals.
- ▶ Installation of chimneys.
- Installation of rotary equipment.
- Commissioning assistance.
- Onsite blasting & painting.



## Piping:

- ▶ Mechanical Erection of Piping.
- Field welding
- ▶ NDT & Hydro Test
- ▶ Air blowing, Chemical flushing & degreasing.
- Onsite blasting & painting



#### Structural:

- ▶ Mechanical erection of steel structural.
- ▶ Mechanical erection of Pipe Racks & Supports.
- Mechanical erection of Equipment support structural.
- Mechanical erection ware houses & industrial structural.
- Onsite blasting & painting.



## Electrical & Instrumentation:

Our E & I division offers a full spectrum of Electrical & Instrumentation services through our experienced and professional project teams. We have a core team of talented and professionally experienced E & I Engineers, Supervisors, Technicians and other tradesmen with a better management, construction technique and Industrial practice as key driver to construct the most complex Installations in the Oil & Gas and other Industrial sectors. Our team guarantees adherence to relevant regulatory guidelines and inspection regimes, followed by the Industry worldwide. We are committed to our customers to offer our services by observing the best standards in Safety, environment and Quality, Micro Planned, controlled and Monitored for Productivity thus enhancing the cost effectiveness and timely execution. We provides expertise in all areas of E&I construction work. Our experienced team, established procedures and proven construction management systems ensure a safe, efficient and reliable construction on all our projects. We possesses all the necessary plant, equipment, tools and test equipment to safely assemble, install and test the electrical and instrumentation systems

## **Equipment:**

- ▶ Installation of Electrical Sub Stations equipment/ Switchboards and associated SCADA, SCMS/PMS Systems
- ▶ Installation/ assembly of Transformers and its oil filling/ filtering and testing
- Installation of above ground and underground H.V and L.V Cables and its testing
- ▶ H.V & L.V Cable Jointing and Termination and its Hi pot testing
- Installation and testing of Lighting system
- ▶ Installation of Cable Tray, Cable Ladder, Cable Trunking and Conduits.
- Installation and testing of Earthing and Lightning System
- Installation and testing of UPS system and batteries
- ▶ Installation and testing of Cathodic Protection system.
- Testing of electrical Protection relays and it settings
- ▶ Manage interface between E & I and other disciplines







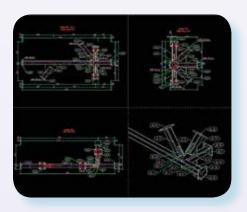
## E&I Calibration Services.



- Onsite & Offsite Instrument Calibration services.
- ▶ Calibration laboratory services for E&I test equipment.









## **Project Management Services:**

We provide a wide range of project management support services to the EPC contractors.









## **Equipment:**

- ▶ Project Scheduling & monitoring
- ▶ Estimation & Tendering for subcontract works
- Quantity Surveying
- ▶ MTO Preparation.
- ▶ Revision issuance Control & Tracking
- Change Authorization Management
- Modification & Substitution Material Control
- ▶ Field Revision Management
- Modification resource Control
- ▶ Management of Claim & Counter Claim

#### Material:

- ▶ Material, stock/inventory management.
- ▶ Allocation of material.
- Preservation of all Material.
- Material forecast as per PO & delivery status
- Material issue to Construction/Fabrication
   Substitution material tracking.
- Modification material management

### Manpower:

- ▶ Construction Engineers.
- Project Managers.
- ▶ QA/QC Engineers & Inspectors.
- ▶ NDT Technicians.
- ▶ HSE Officers & Inspectors.
- Skilled Technicians.
- ▶ Commissioning Engineers.

## AMOGH™ - The Project Management Tool

We use our Construction Management Tool – AMOGH™ to manage all activities – from design to testing.

## What is AMOGH™?

AMOGH<sup>TM</sup> brings Engineering, Procurement & Construction Data on a single user friendly platform. The tool provides integrity to the data & can be linked to tracking systems in OWNER's & CONSTRUCTOR's, Corporate Offices, Home Offices, Intermediate Fabrication Shops & Construction Sites.

System keeps track of all multi-disciplinary sub-activities & live outputs are available at all locations in the areas of Engineering drawings, Material availabilities & discipline wise status of all construction activities. System also does project control & planning functions.

Full, partial or "Read Only" access can be provided to various personnel connected with the project.

## Usage of AMOGH™?

- AMOGH can be used to manage multidiscipline construction project of any size and duration.
- AMOGH is so designed that it can be used by Project Owners, Main Contractors & Construction Contractors.
- AMOGH can be used by Site users as well as Home office/ Corporate office users at the desired level.
- Stores project data in a form to make available the lessons learned





SURUHANJAYA SYARIKAT MALAYSIA COMPANIES COMMISSION OF MALAYSIA

> BORANG 9 AKTA SYARIKAT 1965

[Seksyen 16(4)]

No. Syarikat

813905 M

#### PERAKUAN PEMERBADANAN SYARIKAT SENDIRIAN

Dengan ini diperakui bahawa

### MAA KUTHARI (M) SDN. BHD.

telah diperbadankan di bawah Akta Syarikat 1965, pada dan mulai dari 16 haribulan April 2008, dan bahawa syarikat ini adalah sebuah syarikat berhad menurut syer dan bahawa syarikat ini adalah sebuah syarikat sendirian.

Dibuat di bawah tandatangan dan meterai saya di Miri pada 16 haribulan April 2008.

> DAYANG DOLLANA ABANG ABDULLAH PENOLONG PENDAFTAR SYARIKAT MALAYSIA

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NO STREET 276200

## **QHSE Policy**



## MAA KUTHARI (M) SDN. BHD.

## Quality, Health, Safety and Environmental (QHSE) Policy

Our reach of business and long term success depends on our willingness to continuously improve our service delivery while conducting our business in a responsible, safe and profitable manner with a target of Zero harm to people and the environment.

## At MAA KUTHARI GROUP, we are committed to the following:

- Fully satisfy our Customers by understanding their requirements and exceeding those expectations whenever possible.
- To be a company where Quality & HSE goals are equal in importance to other corporate objectives.
- To develop a culture in which Quality & HSE concepts take core values.
- Comply with all Quality and HSE laws and regulations as well as all other applicable requirements to which we subscribe.
- Promote employee health and well being.
- Compliance with local statutory & legal requirements along with international guidelines.
- Provide and ensure a safe working environment, conditions, tools and equipment, coupled with training that will motivate, train, empower and equip our employees with the zeal, knowledge and information necessary to carry out their assigned duties in a safe and efficient manner.
- Ensure that our services are performed without harming the environment along with the ethics of "Save environment"
- Aggressively pursue pollution prevention, energy conservation and waste reduction.

To review this policy periodically and strive for continual improvement.

Margaret Nalong

Director

Surendra K Mahanty

**Chief Executive** 

December 15, 2012 Bintulu, Malaysia

DOC. NO.: MKM-QHSEPOLICY-2012 Rev 0

# **Past Projects**

Sr No	Project Details	Project Location	Client	Project Owner	Project Status
onstr	uction Projects - Malaysia				
1	Mechanical Refurbishment Work of Blowerof Rotor & IGV	Malaysia	PETRONAS CHEMICAL METHANOL(LABUAN)SDN.BHD.	PETRONAS	Ongoing
2	Construction of Schedule Waste storage at Utility Plant.	Malaysia	Asean Bintulu Fertilizer Sdn. Bhd.(ABF)	PETRONAS	Ongoing
3	Fabric Maintenance Campaign Phase.1	Malaysia	Bintulu Crude Oil Terminal (BCOT)	PETRONAS Carigali Sdn. Bhd (PCSB)	Completed
4	Baram Coriolis Meter Change Out.	Malaysia	Miri Crude Oil Terminal (MCOT) /EMERSON	PETRONAS Carigali Sdn. Bhd (PCSB)	Completed
5	UDTP Project at Institute Technology	Malaysia	PETROFAC	Petroleum PETRONAS (INSTEP)- (E&I)	Completed
6	Tokuyama Malaysia Poly Silicon Phase – 2 Project (TMP-2), Malaysia	Malaysia	Hiap Seng Engineering (M) Sdn Bhd , Malaysia / Chiyoda Corporation	Tokuyama Corporation	On going
7	Road Construction	Indonesia	Wahana Indah CV	Govt. of Indonesia	Completed
8	ASAB Full Field Development Project	UAE	Petrofac E&C International Ltd (PEC),UAE.	ADCO (AbuDhabi Company for Onshore Oil	On going
9	CMEI Work for Pre-Shut down works at RDS-6  TAKREER Ruwais Refinery Expansion O&U Project	UAE	Samsung Engineering Co.Ltd.	Operations)  Abu Dhabi Oil Refining Company (TAKREER)	On going
10	Mafraq Hospital - Fire Fighting System Installation Works	UAE	UNISAFE Fire Protection Specialists LLC	Mafraq Hospital , Abu Dhabi Muncipality	Completed
11	Guru Govind Singh Refinery Project , Bhatinda, India.	India	Larsen & Toubro Ltd (L&T)	HPCL- Mittal Energy Ltd , India (HMEL)	Completed
12	Total Balance of Plant (BOP) Piping	India	Thermax Ltd	Meenakshi Energy Pvt Ltd,	Completed
	(2 x 150 MW Power Plant)  Mechanical Works for Balance Well Pads			Krishnapattinam, Nellore, AP, India  CAIRN Energy India Pty Ltd	
13	Total Balance of Plant (BOP) Piping	India	CAIRN Energy India Pty Ltd		Completed
14	(2 x 135 MW Power Plant)	India	Thermosystems Pvt Ltd	Madhucon Project Ltd	Completed
15	Guru Govind Singh Refinery Project , Bhatinda, India.	India	HPCL- Mittal Energy Ltd ,India (HMEL)	HPCL- Mittal Energy Ltd , India (HMEL)	Completed
16	RIL-Jamnagar Export Refinery Project, India	India	REAL Construction, India	Reliance Petroleum Ltd., India	Completed
r No	Project Details	Project Location	Client	Project Owner	Project Status
ffsho	re Construction Projects				
1	PETRONAS TEMANA PINTAR & BARONIA PINTAR Offshore Project.	Malaysia	Emerson Process Managemet ( Malaysia) Sdn.Bhd.	PETRONAS	Ongoing
2	Baram Lakos Desender Project, Malaysia	Malaysia	Emerson Process Managemet ( Malaysia) Sdn.Bhd.	SARAWAK Energy Malaysia	Completed
3	Gas Analyzer Project - Sejingkat Phae II CEMS Repair at Kuching, Malaysia	Malaysia	Emerson Process Managemet ( Malaysia) Sdn.Bhd.	SARAWAK Energy Malaysia	Completed
4	Baram Level Level Monitoring & PCV 1650 Instrumentation Project	Malaysia	Emerson Process Managemet ( Malaysia) Sdn.Bhd.	PETRONAS	Completed
5	Bokor Platform Project (BOPA)	Malaysia	Emerson Process Managemet ( Malaysia) Sdn.Bhd.	PETRONAS	Completed
6	SSB LCOT Labnam	Malaysia	Emerson Process Managemet ( Malaysia) Sdn.Bhd.	PETRONAS	Completed
7	Bayan & D 35 Platform, Malaysia	Malaysia	Peninsular Offshore Systems	PETRONAS	Completed
Sr No	Project Details	Project Location	Client	Project Owner	Project Status
tructu	ıral Steel Detailing Projects - using X-Steel / Tekla				
1	El Merk Central Processing Facilities Project , Algeria	Algeria	Petrofac E&C International Ltd (PEC) . UAE.	Sonatrach Anadarko Association	Completed
2		Algeria Syria	Petrofac E&C International Ltd (PEC) . UAE.  PETROFAC E &C	Sonatrach Anadarko Association  Hayan Petroleum Company, Syria	Completed Completed
	El Merk Central Processing Facilities Project , Algeria	-			
	El Merk Central Processing Facilities Project , Algeria	-			Completed
2 r No	El Merk Central Processing Facilities Project , Algeria Jihar Stage 3 Project , Syria	Syria	PETROFAC E &C	Hayan Petroleum Company, Syria	Completed
2 r No	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details	Syria	PETROFAC E &C	Project Owner  ADCO (AbuDhabi Company for Onshore Oil	Completed
2 r No & I C	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  construction & Construction Management Projects	Syria Project Location	PETROFAC E &C	Hayan Petroleum Company, Syria  Project Owner	Completed Project Status
2 ir No & I C	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi	Syria Project Location UAE	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)	Project Owner  ADCO (AbuDhabi Company for Onshore Oil Operations), UAE	Completed  Project Status  Completed
2 r No & I C 1 2	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project	Syria  Project Location  UAE	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)	Project Owner  ADCO (AbuDhabi Company for Onshore Oil Operations), UAE PETRONAS	Project Status  Completed  Completed
2 r No & I C 1 2	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details	Project Location  UAE  Malaysia	Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.	Project Owner  ADCO (AbuDhabi Company for Onshore Oil Operations), UAE	Project Status  Completed  Completed
2  & I C  1  2  ir No  lanpo	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  ower Secondment Services	Project Location  UAE  Malaysia  Project Location	Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client	Project Owner  ADCO (AbuDhabi Company for Onshore Oil Operations), UAE PETRONAS  Project Owner	Completed  Project Status  Completed  Completed  Project Status
2  rNo  l C  rNo  l C  rrNo  l A  rrno  rrno  l A  rrno  rrno  l A  rrno  r	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  Ower Secondment Services  Badra Oil Field Development Projec	Project Location  UAE  Malaysia  Project Location  Iraq  MIRI, SARAWAK,	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).	Project Owner  ADCO (AbuDhabi Company for Onshore Oil Operations), UAE PETRONAS  Project Owner  Gazprom Neft Badra BV	Project Status  Completed  Completed  Project Status  Ongoing
2  **Record of the control of the co	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  Ower Secondment Services  Badra Oil Field Development Projec  Shell Jintan Project	Project Location  UAE  Malaysia  Project Location	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).  Emerson	Project Owner  ADCO ( AbuDhabi Company for Onshore Oil Operations), UAE PETRONAS  Project Owner  Gazprom Neft Badra BV Shell	Completed  Completed  Completed  Completed  Ongoing  Completed
2  rNo  &I C  1  2  rNo  1  2  3	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  weer Secondment Services  Badra Oil Field Development Projec  Shell Jintan Project  MCOT Recalibration Project	Project Location  UAE  Malaysia  Project Location  Iraq  MIRI, SARAWAK, MALAYSIA  MIRI, SARAWAK, MALAYSIA	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).  Emerson  Emerson	Project Owner  ADCO (AbuDhabi Company for Onshore Oil Operations), UAE PETRONAS  Project Owner  Gazprom Neft Badra BV  Shell Petronas	Completed  Completed  Completed  Completed  Project Status  Ongoing  Completed  Completed
2  **I C  1  2  **I No  1  2  3  4	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  Ower Secondment Services  Badra Oil Field Development Projec  Shell Jintan Project  MCOT Recalibration Project , Ruwais	Project Location  UAE  Malaysia  Project Location  Iraq  MIRI, SARAWAK, MALAYSIA  MIRI, SARAWAK, MALAYSIA  UAE	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).  Emerson  Emerson  TSJ Ltd (JV of Tecnimont & Samsung Engineering)	Project Owner  ADCO ( AbuDhabi Company for Onshore Oil Operations) , UAE PETRONAS  Project Owner  Gazprom Neft Badra BV  Shell  Petronas  BOROUGE (Abu Dhabi Polymers Company Limited)	Completed  Completed  Completed  Completed  Completed  Completed  Ongoing  Completed  Ongoing
2	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  weer Secondment Services  Badra Oil Field Development Projec  Shell Jintan Project  MCOT Recalibration Project	Project Location  UAE  Malaysia  Project Location  Iraq  MIRI, SARAWAK, MALAYSIA  UAE  UAE	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).  Emerson  Emerson  TSJ Ltd (JV of Tecnimont & Samsung	Project Owner  ADCO (AbuDhabi Company for Onshore Oil Operations), UAE PETRONAS  Project Owner  Gazprom Neft Badra BV  Shell Petronas  BOROUGE (Abu Dhabi Polymers Company Limited) BOROUGE (Abu Dhabi Polymers Company Limited) Umited)	Completed  Completed  Completed  Completed  Project Status  Ongoing  Completed  Completed
2  **I C  1  2  **I No  1  2  3  4	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  Ower Secondment Services  Badra Oil Field Development Projec  Shell Jintan Project  MCOT Recalibration Project , Ruwais	Project Location  UAE  Malaysia  Project Location  Iraq  MIRI, SARAWAK, MALAYSIA  MIRI, SARAWAK, MALAYSIA  UAE	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).  Emerson  Emerson  TSJ Ltd (JV of Tecnimont & Samsung Engineering)	Project Owner  ADCO (AbuDhabi Company for Onshore Oil Operations), UAE PETRONAS  Project Owner  Gazprom Neft Badra BV  Shell Petronas BOROUGE (Abu Dhabi Polymers Company Limited) BOROUGE (Abu Dhabi Polymers Company Limited)	Completed  Completed  Completed  Completed  Completed  Completed  Ongoing  Completed  Completed  Completed
2	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  Ower Secondment Services  Badra Oil Field Development Projec  Shell Jintan Project  MCOT Recalibration Project  Borouge - Polyolefin Project , Ruwais  Borouge P3-A Ruwais	Project Location  UAE  Malaysia  Project Location  Iraq  MIRI, SARAWAK, MALAYSIA  UAE  UAE	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).  Emerson  Emerson  TSJ Ltd (JV of Tecnimont & Samsung Engineering)  Descon Engineering Abu Dhabi	Project Owner  ADCO ( AbuDhabi Company for Onshore Oil Operations) , UAE PETRONAS  Project Owner  Gazprom Neft Badra BV  Shell  Petronas  BOROUGE (Abu Dhabi Polymers Company Limited)  BOROUGE (Abu Dhabi Polymers Company Limited)  ADCO ( AbuDhabi Company for Onshore Oil	Completed
2	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  Elever Secondment Services  Badra Oil Field Development Projec  Shell Jintan Project  MCOT Recalibration Project  Borouge - Polyolefin Project , Ruwais  Borouge P3-A Ruwais  ASAB Full Field Development Project	Project Location  UAE  Malaysia  Project Location  Iraq  MIRI, SARAWAK, MALAYSIA  MIRI, SARAWAK, MALAYSIA  UAE  UAE	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).  Emerson  Emerson  TSJ Ltd (JV of Tecnimont & Samsung Engineering)  Descon Engineering Abu Dhabi  Petrofac E&C International Ltd (PEC),UAE.	Project Owner  ADCO ( AbuDhabi Company for Onshore Oil Operations) , UAE PETRONAS  Project Owner  Gazprom Neft Badra BV  Shell  Petronas  BOROUGE (Abu Dhabi Polymers Company Limited)  BOROUGE (Abu Dhabi Polymers Company Limited)  ADCO ( AbuDhabi Company for Onshore Oil Operations)	Completed
2	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  Ower Secondment Services  Badra Oil Field Development Projec  Shell Jintan Project  MCOT Recalibration Project  Borouge - Polyolefin Project , Ruwais  Borouge P3-A Ruwais  ASAB Full Field Development Project  Habshan -5 Process Plant (Integrated Gas Development Project)	Project Location  UAE  Malaysia  Project Location  Iraq  MIRI, SARAWAK, MALAYSIA  MIRI, SARAWAK, MALAYSIA  UAE  UAE  UAE	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).  Emerson  Emerson  TSJ Ltd (JV of Tecnimont & Samsung Engineering)  Descon Engineering Abu Dhabi  Petrofac E&C International Ltd (PEC), UAE.  JGC Corporation , Japan	Project Owner  ADCO ( AbuDhabi Company for Onshore Oil Operations) , UAE PETRONAS  Project Owner  Gazprom Neft Badra BV  Shell Petronas BOROUGE (Abu Dhabi Polymers Company Limited) BOROUGE (Abu Dhabi Polymers Company Limited) ADCO ( AbuDhabi Company for Onshore Oil Operations) GASCO ( AbuDhabi Oil & Gas Company)	Completed
2	El Merk Central Processing Facilities Project , Algeria  Jihar Stage 3 Project , Syria  Project Details  Construction & Construction Management Projects  ASAB Full Field Development Project, Abudhabi  Hexzachem Kuching Project  Project Details  Ower Secondment Services  Badra Oil Field Development Projec  Shell Jintan Project  MCOT Recalibration Project  Borouge - Polyolefin Project , Ruwais  Borouge P3-A Ruwais  ASAB Full Field Development Project  Habshan -5 Process Plant (Integrated Gas Development Project )	Project Location  UAE  Malaysia  Project Location  Iraq  MIRI, SARAWAK, MALAYSIA  MIRI, SARAWAK, MALAYSIA  UAE  UAE  UAE	PETROFAC E &C  Client  Petrofac E & C International Ltd (PEC)  Hexzachem Sarawak Sdn. Bhd.  Client  Petrofac E&C International Ltd (PEC).  Emerson  Emerson  TSJ Ltd (JV of Tecnimont & Samsung Engineering)  Descon Engineering Abu Dhabi  Petrofac E&C International Ltd (PEC),UAE.  JGC Corporation , Japan  Tecnimont SpA	Project Owner  ADCO ( AbuDhabi Company for Onshore Oil Operations), UAE PETRONAS  Project Owner  Gazprom Neft Badra BV  Shell Petronas  BOROUGE (Abu Dhabi Polymers Company Limited) BOROUGE (Abu Dhabi Polymers Company Limited) ADCO ( AbuDhabi Company for Onshore Oil Operations)  GASCO (AbuDhabi Oil & Gas Company)  GASCO (AbuDhabi Oil & Gas Company)	Completed  Completed

# **Past Projects**

Sr No	Project Details	Project Location	Client	Project Owner	Project Status
	ted Construction Management by Amogh / IPMS Including		on/Change Management	•	
1	PETRONAS Malaysia LNG Train 9 Project	Malaysia	JGC Plant Innovation Co Ltd	PETRONAS / JGC Corporation	Ongoing
2	DS Project, Sulawesi, Indonesia	Indonesia *	JGC Indonesia (JIND)	JGC Indonesia (JIND)	Completed
3	Asahimas V plant expansion Project, Anyer, Indonesia	Indonesia *	Cakra-JPS Joint Operation,Indonesia	Asahimas chemical, Indonesia	Completed
4	Tangguh LNG WWT Project, Indonesia	Indonesia	Nikki Construction Co., Japan	JGC-KBR Indonesia JV	Completed
5	Tangguh LNG Project, Indonesia	Indonesia	Nikki Construction Co., Japan	BP Bureau Ltd., Indonesia	Completed
6	Badra Oil Filed Development Project , Iraq	Iraq	Petrofac FZE, Sharjah	Gazprom Neft Badra BV	Ongoing
7	Brown field Facilities Project , Majnoon, Southern Iraq	Iraq	Shell Iraq Petroleum Development BV	Shell Iraq Petroleum Development BV	Completed
8	Early Production System & Green field Facilities, Majnoon, Southern	Iraq	Petrofac E & C International Ltd (PEC)	Shell Iraq Petroleum Development BV	Completed
9	Iraq  Habshab - 5 Process Plant (Integrated Gas Development Project )	UAE	JGC Corporation , Japan	GASCO (AbuDhabi Oil & Gas Company)	Completed
10	Habshab - 5 Process Plant (Integrated Gas Development Project )	UAE	Kharafi National Abu Dhabi	GASCO (AbuDhabi Oil & Gas Company)	Completed
11	GASCO Ruwais 4 <sup>th</sup> NGL Train Project AbuDhabi	UAE	Petrofac - GS JV	GASCO (AbuDhabi Oil & Gas Company)	Completed
12	ASAB Full Field Development Project, Abudhabi	UAE	Petrofac E & C International Ltd (PEC)	ADCO ( AbuDhabi Company for Onshore Oil	Completed
13	Effluvent Water Injection Phase-  and Sea Water Injection Phase -II	Kuwait	Petrofac E & C International Ltd (PEC)	Operations) , UAE  Kuwait Oil Company -KOC (K.S.C.)	Completed
14	Petrofac-KOC Pipe Line Works	Kuwait	Kharafi National (KSC) Closed Kuwait	Kuwait Oil Company -KOC (K.S.C.)	Ongoing
15	Installation of low Sulphur Fuel oil, fuel gas and gas oil pipe line	Kuwait	Kharafi National (KSC) Closed Kuwait	Kuwait Oil Company -KOC (K.S.C.)	Ongoing
16	from Mina Al-Ahmadi to Sabiya and Doha Power Stations  New Booster Station BS-171 at West Kuwait	Kuwait	Kharafi National (KSC) Closed Kuwait	Kuwait Oil Company -KOC (K.S.C.)	Ongoing
17	KAUTHER Depletion Compression Project , OMAN	Oman	Petrofac E & C Oman LLC	Petroleum Development Oman LLC (PDO)	Completed
18	Harweel Cluster Ph 2 Facilities, Oman	Oman	Petrofac E & C	Petroleum Development Oman	Completed
19	Karan Utilities & Cogen Project	Saudi Arabia	Petrofac E&C International Ltd (PEC), UAE.	ARAMCO Overseas Co.	Completed
20	RABIGH – II PETROCHEMICAL PROJECT (U02 & U03 Packages	Saudi Arabia	Petrofac E & C International Ltd (PEC)	Saudi Arabia Oil Company & Sumitomo	Ongoing
21	Qatofin Project, Qatar	Qatar *	Astaldi Arabia Ltd., Qatar	Chemical Co.Ltd.  Qatofin, Qatar	Completed
22	DEBAJ Pearl GTL Project, Qatar	Qatar *	Deutsche Babcock Al Jaber WLL, Qatar	Pearl GTL Co., Qatar	Completed
23			Dodsal Engineering & Construction Pte Ltd	RasGas LNG Co. Ltd, Qatar	Completed
24	Ras Gas Onshore Expansion Project, Qatar	Qatar	Petrofac E & C, UAE	JV of Apache Corp & Egyptian General	Completed
	SGT 3 & 4 Gas Processing Units, Egypt	Egypt		Petroleum Corp.  Sonatrach Anadarko Association	
25	Alrar Inlet Separation And Boosting Facilities Project  In Salah Southern Gas Field Development Project (ISG-II)	Algeria	Petrofac International (UAE) LLC	Sonatrach Anadarko Association	Ongoing
		Algeria	Petrofac International (UAE) LLC		Completed
27	El Merk Central Processing Facilities Project , Algeria	Algeria	Petrofac E&C International Ltd (PEC), UAE.	Sonatrach Anadarko Association Algeria	Completed
28	Inshalah Gas Compression Project, Algeria	Algeria	Petrofac E & C	Sonatrach- BP-Statoil, Algeria	Completed
29	South Yoloten Gas Field Development Project (SYGD)	Turkmenistan	Petrofac International (UAE) LLC	TURKMENGAS- Turkmenistan	Ongoing
30	Karachaganak 4th Stabilization & Sweetening Project , Kazakhstan	Kasakhstan	Petrofac E & C	Karachaganak Petroleum Operating BV	Completed
31	Mangala Processing Terminal Barmer,Rajasthan, India	India	CAIRN Energy	CAIRN Energy	Completed
32	Northern Area Development Project Barmer, Rajasthan, India	India *	CAIRN Energy	CAIRN Energy	Completed
33	IDEMITU CHIBA LMPP-Project , Japan	Japan *	JGC Plant Solutions Co,Ltd, JAPAN	JGC Corporation , Japan	Completed
34	JYOETSU THERMAL POWER PLANT PJ., JAPAN	Japan *	Nikki Construction Co., Japan	Showa Denko / Chiyoda Corporation, Japan	Completed
35	CBU Project, Japan	Japan *	Nikki Construction Co., Japan	Cosomo Oil Co., Japan	Completed
36	CE Project, Japan	Japan *	Nikki Construction Co., Japan	Showa Denko	Completed
37	Kashima Project, Japan	Japan *	Nikki Construction Co., Japan	Kashima Oil Co.	Completed
38	SDM Project, Japan	Japan *	Nikki Construction Co., Japan	Idemistu Oil Co., Japan	Completed
39	TOTAL Laggan Tormore Filed Development Project	United Kingdom	Petrofac International (UAE) LLC  Modec & TOYO Offshore Production	TOTAL	Ongoing
40	FPSO Cidade de Mangaratiba MV 24 Project, Brazil	Brazil *	Systems Pte. Ltd.	Petrobras, Brazil	Completed
41	TS GAS, NGL Recovery Project, Brazil	Brazil *	Toyo Engineering Corp., Japan	TS - GAS Petrobras, Brazil	Completed
42	FIREBAG 3 Project, Canada	Canada *	Flint Energy	Flint Energy	Completed

Note: \* - Projects with Spooling and Revision /Change mangement only as scope of work.

# Registration & Approval

































## Our clientele

















JCC JGC PLANT INNOVATION CO., LTD.



































## **ISO Certification**

# Certificate

Standard

ISO 9001:2008

Certificate Registr. No. 01 100 1328961

TÜV Rheinland Cert GmbH certifies:

Certificate Holder:

Maa Kuthari (M) SDN. BHD., No.68, 1st & 2nd Floor,

Medan Sentral Commercial Centre, Jalan Tanjung Kidurong,

97010, Bintulu, Sarawak, Malaysia.

Scope:

Project and Construction Management, Fabrication, Erection and Testing of Pipelines & Equipment, Electrical & Instrumentation Installations and Pre-Commissioning of Systems in Oil, Gas, Power and Petrochemical Industries

An audit was performed, Report No. 1328961. Proof has been furnished that the requirements according to ISO 9001:2008

The due date for all future audits is 08-07 (dd.mm).

Validity:

The certificate is valid from 2013-08-19 until 2016-08-18. First certification 2013

2013-08-20

TÜV Rheinland Cert GmbH Am Grauen Stein · 51105 Köln



DGA-ZM-58-95-00

www.tuv.com





Our Reference: NLSB/ADMIN/MAA KMSB /2013-4383

03 October 2013

MAA KUTHARI (M) SDN.BHD. No: 68, 1" & 2"d Floor. Medan Sentral Commercial Centre. Jalan Tanjung Kidurong. 97010 Bintulu, Sarawak, Malaysia

Tel: +6086-316393

Fax: +6086-316372

Dear Sir.

NAIM LAND SDN BHD

- Registration As Contractor

Mechanical & Electrical Works

We are pleased to inform you that your company's application for registration as Contractor under Naim Group of Companies for the following categories is hereby accepted:

Categories

Class

Registration No NLSB/MESC-0092

Registration validity: 03<sup>rd</sup> October 2013 until 02<sup>rd</sup> October 2015

The terms and conditions of the said registration are as stipulated in the attached appendix.

Thank you.

Yours faithfully For Naim Land Sdn Bhd

Senior Director

NAIM LAND SDN BHD

Sublat 12, Rack Commercial Centre, Jalan Green, 93150 Kuching, P. O.Bax 2843, 93756 Kuching, Sarawak, Malaysia. Tel: 6 082-411667 Fax: 6 082-429869 \*KUALA LUMPUR-KUCHING + BINTULU + MIRI • KOTA KINABALU • FUI www.naim.com.my



072438 A

## PERAKUAN PENDAFTARAN

Adalah dengan ini diperakui bahawa kontraktor yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan di belakang Perakuan ini

No Pendaftaran:

0120130624-SR150932

Nama Kentraktor: MAA KUTHARI (M) SDN. BHD.

Alamat Berdaftar :

NO. 68, 2ND FLOOR,

MEDAN SENTRAL, JALAN TANJUNG KIDURONG

97000 BINTULU SARAWAK

Gred, kategori dan pengkhususan berdaftar

**CE21** 

G7 CE

Tarikh Mula Berkuatkuasa:

03 OCT 2013

Tarikh Habis Tempoh Perakuan:

23 JUN 2014"

"Perekuan ini hendaklah diperbaharui selewat-lewatnya 60 hari sebelum farikh habis tempoh.

STATUS: AKTIF - Kontraktor yang diawardkan projek semasa perakuan pendaftaran ini dikeluarkan.

MUHAMMAD RIZUAN BIN HAMZAH

b.p. Ketua Eksekutif

Bertarikh: 03 OCT 2013



شركة الخرافي ناشيونال(د.م.م) Kharafi National Co. (L.L.C)



Date: 18 August 2013 Ref.: 2031/B32/C/001/064-13

M/s MAA Kuthari Global-FZE

PO Box 40128

Office # A512, Ajman Free Zone

Ajman, UAE.

Mr. Surendra K Mahanty Attention:

Chief Executive

Subcontract 003157/C/001

Subject:

Integrated Gas Development Project

Project 2031 - Habshan-5 Process Plant

"AMOGH" (Integrated Project Management system)

Dear Sir.

Contractor wish to thank and appreciate Subcontractor for their following activities provided under the Subcontract using customized software "AMOGH" (Integrated Project Management system) for Piping Works:-

- · Construction Engineering through Spoolgen
- · Piping fabrication shop management including automatic Job card control
- Shop and Field Engineering revisions and change management
- Materials management for piping and pipe support
- Spool movement / shipment control
- · Management of pipe supports
- Welding and NDE control for fabrication shop and field
- Assistance for Test pack preparation, approvals, Line punch management and system turnover documentation
- · Flange management (for fabrication and field piping installation)

Subcontractor's technical staff and personnel has a professional approach to operate and manage integrated piping management system (Amogh) including a proper coordination with Contractor, Main Contractor (M/s. Tecnimont) and other Subcontractors involved in project execution,

We wish the Subcontractor for future success and a potential business relation with Contractor once again.

Yours sincerely,

Giuseppe Contini

Project Direct





Tel: +971 2 5130513 P.O. Box: 28831, Abu Dhabi, United Arab Emirates Fax: +971 2 5130519 Email: abodhabi@kharafinational.com

Capitat: AED 20,000,000 Commercial Reg.No: 1023823

www.kharafinational.com



(Annexure to - JI-193-PIL-OEC-0075-L)

#### To Whomsoever it May Concern

M/s OSMAK Engineering & Contracting L.L.C (OSMAK) has been engaged with Petrofac International Ltd., for ASAB Full Field Development Project, ASAB, Abu Dhabí since March 2011. M/s OSMAK has been providing services to Petrofac International Ltd. in the field of E & I Construction and Materials Management using their "AMOGH" system.

AMOGH E&I system is well customized and integrated to the requirement of ASAB Project. Drawings & document control, Job cards preparation and issuance, material control, construction management, quality documentation and progress reporting is being successfully done by OSMAK.

The manpower deployed by M/s OSMAK in this project is very professional and doing excellent coordination with all agencies involved in the project.

Petrofac International Ltd. appreciates the role played by OSMAK in Electrical & Instrumentation construction for the ASAB Full Field Development Project.

We have no hesitation in recommending M/s OSMAK for providing such services in Oil & Gas projects.

This certificate is issued to M/s OSMAK Engineering & Contracting L.L.C on their request and shall not have any other obligation whatsoever.

Yours sincerely, For PETROFAC International Ltd.

Diego Vedda Construction Director

Petrofac International Limited, Petrofac House, Al-Khan Road, PD Rox 23467, Snarjah, UAE Tel +971 6 574 0999 Fax +971 6 574 0099

1 of 1

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<ul> <li>b) pada akhir bulan yang beriku</li> </ul>					
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#### CHIYODA SARAWAK SDN. BHD. Company No: 896588-M

CHYODA SARAWAK Survey Lot No. 4033, First Floor, Parketty Commerce Square Phase 5, Julian Tran Ahmad Zuidi, 97000 Biatrulu, Sacuredi, Mulayesia

#### TMP Project / Onshore EPC Work

Letter

#### To whomsoever it May Concern

This is to certify that M/s Maa Kuthari (M) Sdn. Bhd. has successfully completed the Piping installation and associated activities in Tokuyama Poly Silicon -2 (TMP2) project, Malaysia as per work order HSE-CSSB-TMP2-MKM-01 Dt.03/04/2013

Maa Kuthari had timely mobilized team of qualified and experienced engineers, supervisors, technicians and skilled personnel for this job. The entire job was executed by Maa Kuthari with utmost quality standards and remarkable HSE records .

The project team deployed by Maa Kuthari was very professional and done excellent coordination with all agencies involved in the project.

We would like to place on record our appreciation for dedicated efforts and outstanding quality of works done in a safe & timely manner. Their contribution to the project is highly recognized and we have no hesitation in recommending Maa Kuthari Global for similar works.

This certificate is issued to M/s Maa Kuthari (M) Sdn. Bhd. on their completion of work and shall not have any other obligation whatsoever.

Yours truly,

W.Shimono

Project Director,

Chiyoda Sarawak Sdn. Bhd.

Nov. 26, 2013



This correspondence is intended for the pole-use of the addresses, and commits privileged and performance. Any use of as converte by any preson place prior privileged indigent is principled and is influent. If your receipt is in error, placed in other prior budget in growing and provided and other prior budget in growing and provided and other prior budget in growing and budget in growing and provided and other prior budget in growing and provided and other purposes or store or budget it forms.

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Date: 22<sup>nd</sup> February, 2010

#### Letter of Appreciation

#### To Whomsoever It May Concern

OSMAK Engineering & Contracting LLC, Dubai has been engaged with Caim India Pty Ltd in the Rajasthan Northern Area Development Project, Barmer since July 2009. The company has been providing services in the field of Test packs and Punch list management. The quality of manpower and workmanship are very good. OSMAK could appreciate and understand project needs quickly and integrate themselves with Caim project construction team and interface with the contractor M's Larsen & Toubro Ltd. Besides above, OSMAK extended their services in other areas like construction management etc.

We would like to thank OSMAK for their contribution and wish them all the very best in all their future projects.

For Caim Energy India Pty Ltd.

Yours truly

Project Manager

Mangala and Raageshwari Development



#### CERTIFICATE OF APPRECIATION

NKC, Japan Management appreciates the role played by Maa Kuthari Group in the successful completion of the fabrication job of Tangguh LNG Project Indonesia.

The field engineering and Spoolgen works of 10500 IDFs and revision control of 2900 IDF were completed before the slipulated time and the quality of the drawings were excellent and up to the standards.

The shop control and monitoring using Maa Kuthari in-house package, IPMS (Integrated Project Management System) was well integrated to the requirement of the management and to the successful completion of the job. The material control. welding and quality control, spool control and support control by use of their system was a vital part in making this fabrication project a success. The total activities like issuing of work orders for fabrication upon available material for spool completion based on simulation, monitoring of welding and the quality control of 587000 inch dia including duplex steel, movement control of 43000 spools and fabrication control of 1100 MT of pipe supports were completed in a commendable manner by the group.

The manpower deployed by Maa Kuthari group in this project including Project control manager, QaQc manager, QaQc Dy manager, Engineering manager, Piping Engineers. Spoolgen Engineers, IT professionals and draftsmen were very professional and coordinated well with all agencies involved for a successful completion of the job.

We have no hesitation in recommending Mag Kuthari group for praviding such services in Oil and Gas projects.

For Nikki Koji Construction Co Ltd.



Office: Yokohama Century Bidg. 3-55-1, Hagoromo-cho, Naka-ku, Yokohama 231-0047, Japan TEL-01-45-253-5800 FAX:81-45-253-1032

A limited lability company incorporated in New South Wales, Australia Registered number: ACN 002 066-784.

CAIRN ENERGY INDIA PTY LIMITED

364 At Floor 1 Octor Res ( Sector) (Sector 34 ) Corgan 127007 T 495 124 594 (360 ) E 495 134250 V/20 Texas Commission CAIRN

Ref: PMBC-JCT106-L-00004 Date: 07 April 2011.

M/s OSMAK ENGINEERING & CONSTRUCTION LLC 199, BUSINESS POINT BUILDING P.O.BOX - 185719 DEIRA DUBAI, UAI PH-97142942299

ATTENTION: Mr. ASHISH SINHA - Managing Director

Sub: Completion Certificate for Mechanical works for WP #5 & WP #11.

Ref: Northern Area Development Project Barmer Rajasthan. Contract DECO-RX-CN-CT-0106

Dear Sir,

We attach the Completion Certificate 0106-001 for the relevant parts notified in the OSMAK letter JCT106-PMBC-L-00008, subject to the satisfactory completion of the items noted in the Completion Certificates including any outstanding/punch list work.

Contractor shall ensure that all such items are remedied or repaired to Company's satisfaction as soon as is reasonably practical.

A work plan/schedule for completion of all such items for Company's approval is hereby

The issuance of these Completion Certificates is without prejudice to Caim's rights and remedies under the contract and shall not, in any way, relieve the contractor of any of its obligations and/or liabilities under the contract.

Yours faithfully.

Alan Shreeve Head of Construction Gairn Energy India Pty Limited

Attachment: -Completion Certificate: 0108-001

Recovery Sinha Modelli

A limbed fielding company incorporated in Novi South Wales. Australia: Registered number: ACN 002 066 784



Date: 20th February 2013

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s Maa Kuthari Global FZE (MKG) has been engaged with Petrofac International Ltd. for ASAB Full Field Development Project, ASAB, UAE, since October 2009. MKG has been providing services to Petrofac International Ltd. in the field of Piping using their customized software "AMOGH" system and detailed activities were carried out as mentioned below:

- Integrated piping management system, Shop / field joint marking, spoolgen processing, auto-cad editing, back check and confirmation of drawing and providing material and joints text data files, Revision management & As-built preparation, Pipe support module customization and implementation, Materials simulation & Job cards issuance, Shop fabrication management, Field pipes/spools erection & support management & test pack movement control, Flange management (for fabrication and field piping installation)
- Providing technical staff and personnel to operate and manage integrated piping
  management system (AMOGH) which includes as a minimum, control of documents &
  drawings, control of data pertaining to material receipt and material control, pipe support
  fabrication monitoring and control, NDE tracking, support management, support erection
  tracking, test pack tracking, punch clearance tracking, final documents at various
  fabrication shops and ASAB project site. Dedicated team mobilized to accomplish total
  scope of work with proper coordination and interface with Petrofac, Piping prefab
  subcontractors and other agencies involved in the project execution.
- Deployment of dedicated team for punch clearance tracking and ITR (Piping, E&I) preparation and associated works with proper coordination and interface with Petrofac and other agencies involved in the project execution.

We have no hesitation in recommending  $\,$  M/s Maa Kuthari Global FZE for providing such services in the Oil & Gas Projects.

This certificate is issued to M/s Maa Kuthari Global FZE on their request and shall not have any other obligation whatsoever.

Yours Sincerely,

For Petrofac International Ltd.

Ayad Chammas Project Director

desibo

Petrofac International Limited, Petrofac House, Al-Khan Road, PO Box 23467, Sharjah, UAE Tel +971 6 574 0999 Fax +971 6 574 0099

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Dated : 02 September 2013

#### CERTIFICATE OF APPRECIATION

This is to certify that M/s Maa Kuthari Global FZE (MKG) was engaged with Petrofac International Ltd. for Shell Majnoon Project, Southern Iraq (Early Production Facilities & Brown filed Facilities) from March 2011 to May 2013.

During this period, MKG has provided services in the field of Piping using their customized software "AMOGH" and detailed activities were carried out as mentioned below:

- · Construction engineering through Spoolgen
- · Piping fabrication shop management including automatic job card control
- Shop and field engineering revisions and change management
- Materials management for piping and pipe supports
- · Spool movement control and shipment to site
- Management of pipe supports including MTO preparation, procurement assistance, fabrication, QC tracking and dispatch to site
- · Welding and NDE tracking for fabrication shop and field
- Test packs preparation and approvals, line punch management and system turnover documentation
- Flange management including bolt torqueing (for fabrication and field piping installation)

Service rendered by M/s Maa Kuthari Global FZE for this project was commendable.

This certificate is issued to M/s Maa Kuthari Global FZE on their request and shall not have any contractual obligations whatsoever.

Natarajan Shanmugam Deputy Project Manager

Petrofac International Limited, Petrofac House, Al Khan Road, PO Box 23467, Sharjah, UAE Tel +971 6 574 0999 Fax +971 6 574 0099

Registered in Jersey No. SSANE Registered Address: Whiteley Chambers, Dun Stoset, St. Helier, January JEA Well, UK

www.petrofac.com



(Annexure to - JI-193-PIL-OEC-0075-L)

#### CERTIFICATE OF APPRECIATION

#### To Whomsoever It May Concern

This is to certify that M/s OSMAK Engineering & Contracting L.L.C (OSMAK) has been engaged with Petrofac International Ltd. in the Electrical & Instrument construction works of ASAB Full Field Development Project, ASAB, Abu Dhabi since March 2012. OSMAK has provided E&I construction Supervisors, Quality Control Inspectors, PTW coordinators, Technicians and skilled workers along with all necessary tools & tackles, testing equipment to manage materials and construction execution works.

The quality of manpower and workmanship are satisfactory, OSMAK could understand project needs quickly and integrate themselves with Petrofac International Ltd. project construction team and interface with other contractors.

We would like to thank OSMAK for swiftly mobilizing Electrical & Instrumentation manpower and Supervision to site to meet the project requirements. OSMAK has demonstrated its commitment to project schedule, safety and Quality requirements.

Petrofac International Ltd. appreciates the role played by OSMAK in the Electrical & Instrumentation construction for the ASAB full field development project.

We have no hesitation in recommending M/s OSMAK as Electrical & Instrumentation construction contractor.

This certificate of appreciation is issued to M/s OSMAK Engineering & Contracting L.L.C on their request and shall not have any other obligation whatsoever.

Yours sincerely,

For PETROFAC International Ltd.

Diego Vedda Construction Director

PW/SKS

Petrofac international Limited, Petrofac House, Al-Whan Road, PD Box 23467, Sharjah, UAF Tel +971 6 574 5959 Fax +971 6 574 0959

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# Certificate of Appreciation

Presented to

Management and Staff of

Maa Kuthari (M) Sdn. Bhd.

In recognition of its achievement of 388,987 LTI Free Manhours Tokuyama (Malaysia) Polycrystalline Silicon Manufacturing Plant Phase 2 Project

CONGRATULATIONS!

September 2013

CSSB-TMP2 roject Manager

Wataru Shimono CSSB-TMP2 Sr. Project Director

Taro Inoue Tokuyama Project Manager HSES Sr. Manag



## LESEN MEMBEKAL PERALATAN/MEMBERI PERKHIDMATAN KEPADA SYARIKAT-SYARIKAT CARIGALI DAN PENGELUAR MINYAK/GAS DI MALAYSIA

Puda menjalankan kuasa-kuasa yang diberi oleh Seksyon 7, Akta Kemajuan Petroliam, 1974 dan mengilut Peraturan 5, Peraturan-Peraturan Petroliam, 1974, yang diwakilkan kepada saya oleh YAB Perdana Menteri Mafaysia, saya dengan ini mengeluarkan lesen dibawah Peraturan 3, Peraturan-Peraturan Petroliam ini bagi tujuan di atas kepada:

Tarikh Dicetale: 19.11.2013

MAA KUTIEARI (M) SDN BIED (813905-M) NO. 68, IST & 2ND FLOOR, MEDAN SENTRAL COMMERCIAL CENTRE, JALAN TANJUNG KIDURONG 97010 BINTULU SARAWAK

Butir-butir Lesen adalah seporti benkut:-

Number Syarikat

± 813905-M

Jenis Syurikat

LESEN

Tempoh Sah Lesen

: 19.11.2013 - 17.11.2016

Yuran Lesen

Bidang pembekalan/perkhidmatan

: Seporti di Lampitum 'BIDANG-BIDANG LESEN / PENDAFTARAN'

Syarat-ayarat Khus yang dikenakan ke atas Lesen ini:-

Tertakluk kepada syarat khas seperti di lampiran berkaitan.

Syarat-syarat Am Lesen ini adalah seperti yang tercatit di halaman seterusnya.

Petrogatan: Processing Leson Herabilish Monohon Problemann Leson Tigo (3) Balan Sobolum Larith Tamir Leson

Sijil ini dicerak oleh komputer dan tandatungan pihak Petronor tidak diperbakan.

## Contact us

## **MALAYSIA**

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### MKG AUSTRALIA PTY LTD

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# **MAA KUTHARI GROUP**

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