



**CHAKRABITARA**

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**PARTNER FOR FURNACE  
SERVICES**

**MECHANICAL CONTRACTOR**





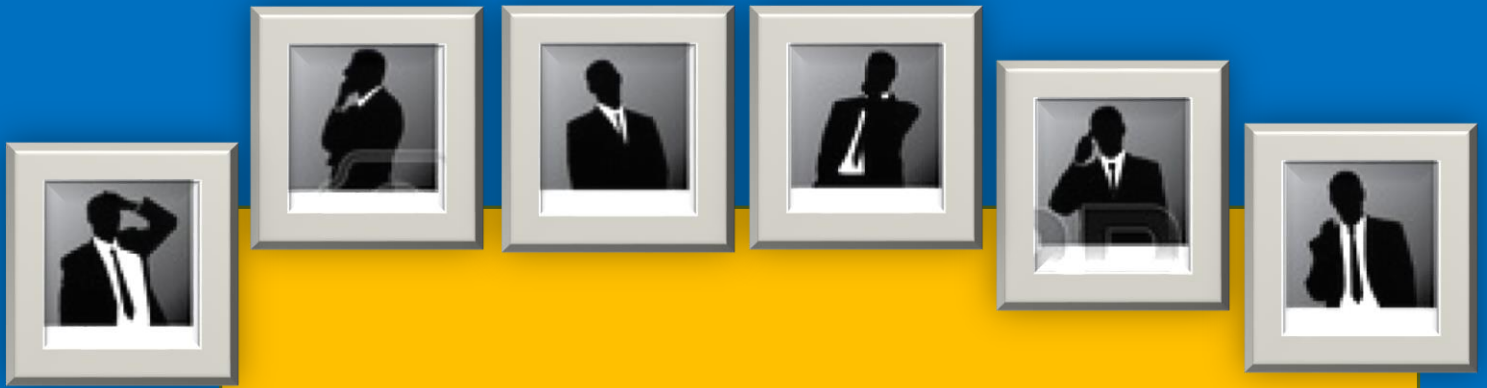


# COMPANY BACKGROUND



**cb Chakra Bitara** was incorporated in Malaysia in year 2013 with very ambitious business plan to provide service to one of the highly technical and knowhow demanding field within Petrochemical, Oil and Gas as well as Steel plants.

**cb Our emphasis is mainly to provide our expertise in the Heart of the Petrochemical plant which also known as Furnace such as Ethylene Cracking Furnaces, Reformer Furnaces or Direct Reduction Furnace.**



## **BOARD OF DIRECTOR AND MANAGEMENT**

The shareholders play an active role in the daily management of the company by serving as directors namely:

### **TOP MANAGEMENT**

**Sharul Mazlan B Hussin**      **Chairman / Director Operation**

**Andy Pachamuthu**      **Director / Sales Business Development**

### **MANAGEMENT TEAM**

**Mohd Anif bin Mohd Ali**      **Project Manager**

**Mohd Hazmir bin Mohd Azizuddin**      **Safety Officer**

**Nik Zul Syafiq Affandi bin Mohd Yusoff**      **Mechanical Engineer (QA)**

**Kamarulzaman bin Mohamad@Tumin**      **Mechanical Engineer (Project)**

**Najwa Sakinah binti Suaib**      **Finance Executive**

**Mohd Azmi bin Mhd Ramli**      **QA/QC Supervisor**

**Mohd Rabbani bin Abdul Rahim**      **QC Supervisor**

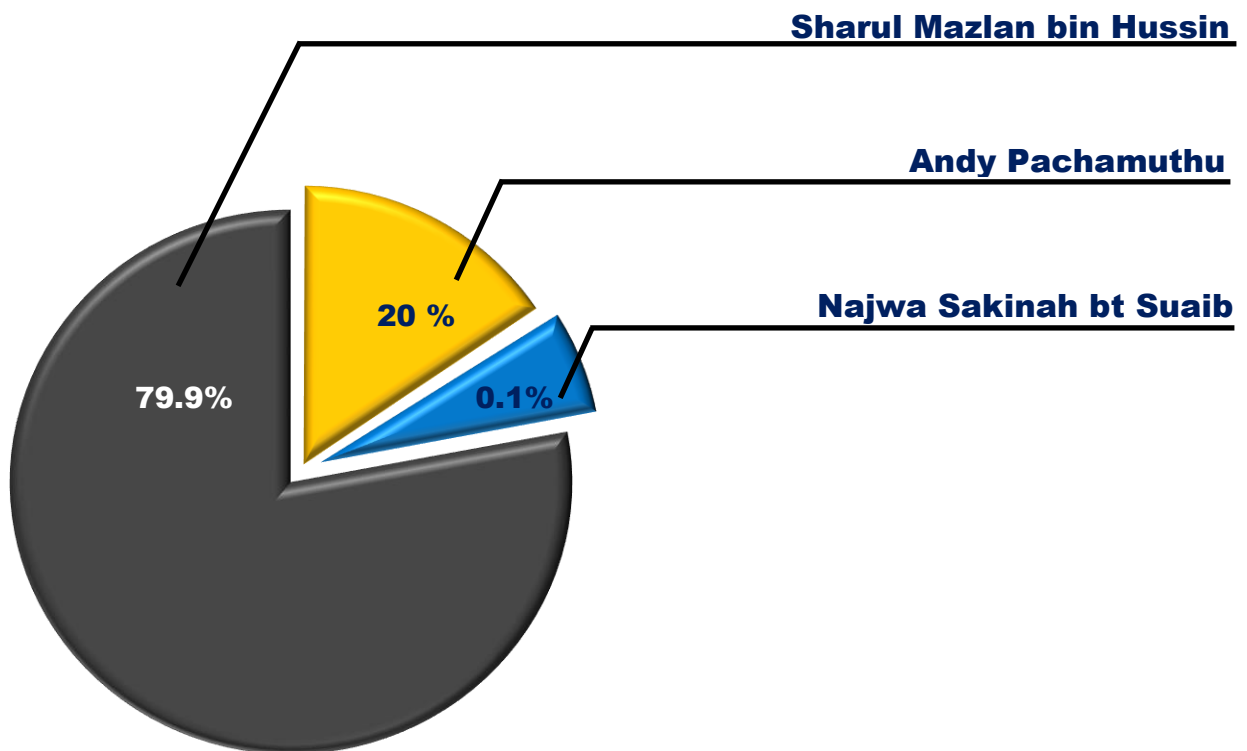
**Siti Aisah binti Mohamad Miskam**      **Project Assistant**



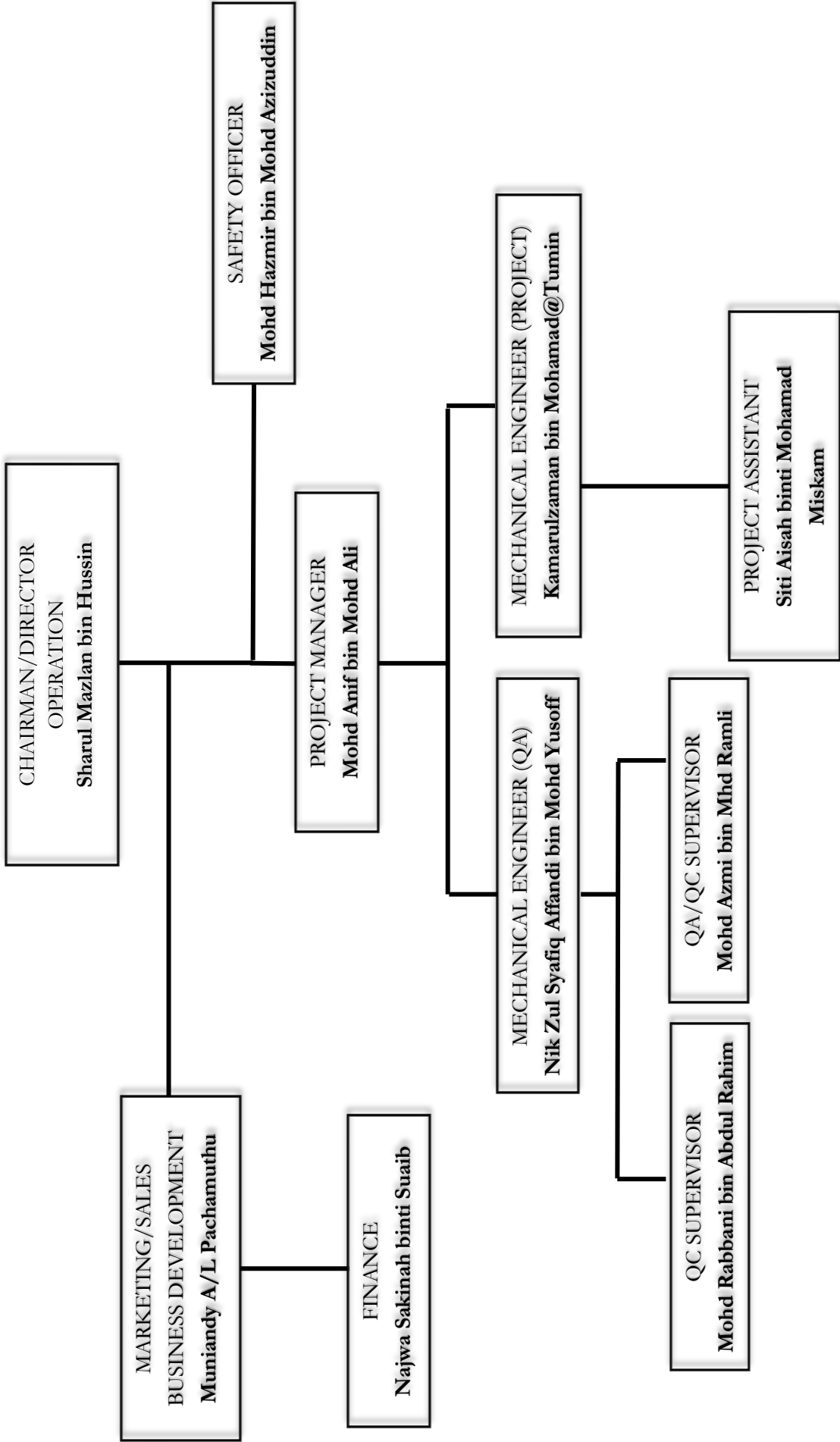
# SHAREHOLDING STRUCTURE

**Authorised Capital : RM 1,000,000.00**

**Paid Up Capital : RM 500,000.00**



# CORPORATE STRUCTURE



# **SERVICES OFFERED**



- cb Reformer tube replacement**
- cb Manifold replacement**
- cb Pigtail replacement**
- cb Cracking coil replacement**
- cb Partial coil replacement**
- cb Coil shortening**
- cb Welding services**
- cb Tube sheet and Finned tube supply**
- cb Convection module replacement**
- cb Convection tube replacement**
- cb Insulation service for Furnace**
- cb Specialized in high temp material supply**
- cb Buy back old material**





# **OUR EXPERTISE**





**We provide complete solution from technical support, material supply up to installation activities as well as buy back the old tubes. In other words, Chakra Bitara can be your Partner in providing complete Project Management and be SINGLE CONTACT POINT in executing furnace coil replacement work.**

**Our core business focusing with high temperature furnace tubes and coils such as Ethylene Cracker, Reformers, DRI Tubes and Convection tubes which is known to be niche sector and demands very high technical knowhow. Majority of these high Chromium Nickel Alloy products are produced by centrifugal casting process and required careful and delicate handling during installation process. Very often the site work demands decision to be made in the shortest time. For this it is essential to have highly skilled team with vast experience in the field. Our team experts inherit more than 20 years' knowledge and experience working with one of the Market leader in the industry and having many experiences in handling such projects.**

**We also established strong relationships and alliances with our diverse partners to enable us to access to the most new and advance technology in the sector as well other supplementary services such as Burners, Insulations, Non-Destructive Test, Failure Analysis, Creep Test and etc.**

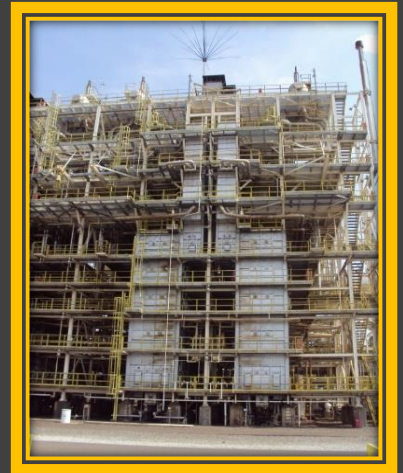


**Our service largely involved in the Furnace such as below:-**

-  Reformer Furnaces**
-  Cracking Coil Furnaces**
-  Direct Reduction Furnaces**
-  Convection Modules**

**These furnaces are designed by various engineering company such as Lummus, Hoalder Topsoe, Lurgi, Linde, Foster Wheeler, Technip, Stone and Webster and many others. We provide our expertise in the installation of radiant tubes, fitting and other accessories in these furnaces.**

**The major component of furnace coils is centrifugal cast tube. Depending on process and environment, the furnace coils required specific property such as creep strength mainly for Reformer tube and carburization resistant for Cracking Coils . These centrifugal cast tubes manufactured by some well-known manufacturers such as Manoir, Schmidt + Clemens, Kubota, Paralloy, Duraloy, Metaltek and others. We have hands on experience in handling various type of design and alloy in our routine activities.**











# **WELDING SERVICES**

**Centrifugally cast tubes and cast fittings containing high Chromium and Nickel is a typical product used in Petrochemical for elevated temperature services. Some of these products are designed to operate at 1200degC. High carbon material usually selected to meet this high temperature as well as corrosion resistant services environment.**

**The above operating condition damages the property of the material. For cracking coils, the main damage mechanism is carburisation from inside surface of the tube and oxidation from outside surface of the tube. For Reformers and DRI tubes the failure mechanism mainly Creep failure.**

## **Material expertise**

-  **25Cr35Ni**
-  **35Cr45Ni**
-  **20Cr32Ni**
-  **HK40**
-  **HP micro**
-  **Al containing Alloy**
-  **Low Carbon Alloy**
-  **Incolloy**



**Due to the above phenomenon, welding of the aged material become a challenge in the industry. Over the years we at Chakra Bitara developed skill and knowledge to handle such kind of challenges.**

**To weld the aged material it is important to recover the ductility of the material. This can be done with various method. The selection of the method depending on practicality and the degree of damage made in the material. In some cases combination of several method may be utilised. Right selection of welding location and joint preparation method also play important role in this process. The aged material welding can be least complex to extremely complex depending on the extent of damage made to the material property.**



# **ONECONTACT**

**In view of the work nature and time constrain in execution of furnace coil replacement, coordination is a key factor. We in Chakra Bitara able to provide a complete package for furnace coil replacement and act as SINGLE CONTACT POINT in execution of the activity.**

**NDT**

**Catalyst  
Loading**

**Scaffolding**

**Buy Back  
Old Tubes**

**Burner  
Services**

**Insulation**

**Coil  
Replacement**



**TO CONTINUOUSLY BE THE  
FIRST IN THE MARKET TO  
EMBARK ON NEW  
TECHNOLOGY, INNOVATIVE  
IDEAS AND KNOWLEDGE WITH  
COMPREHENSIVE RANGE OF  
PRODUCTS AND SERVICES TO  
MEET AND EXCEED THE  
EXPECTATIONS OF ALL THE  
CUSTOMERS.**

**MISSION**

**VISION**

**TO BE ACKNOWLEDGED  
LOCALLY, REGIONALLY AND  
INTERNATIONALLY AS  
PREFERRED PARTNER FOR  
FURNACE RE-COILING AND  
REVAMP AND CONSISTENTLY  
MEETS STANDARDS OF  
EXCELLENCE**

# **SAFETY**POLICY



**The success of Chakra Bitara hinge on our innovation to continually improve the quality and efficiency of our services while protecting people and the environment. Emphasis must be placed on ensuring human health, operational safety, environment protection, quality enhancement, and community goodwill.**

**Without exception, work will not start nor continue if it cannot be done safely or without due consideration to health and / or the environment.**

**Chakra Bitara requires the active commitment to and accountability for, HSEQ from all employees and clients. Our management has leadership role in the communication and implementation of, ensuring compliance with, HSEQ policies and standards. We are committed to;**

- ✓ **Protect, and strive for improvement of, the health, safety and security of our employee at all times,**
- ✓ **Eliminate Quality non-conformances and HSEQ accidents;**
- ✓ **Ensure a safe and healthy workplace;**
- ✓ **Prevent all injurious workplace accidents and occupational illnesses**
- ✓ **Work with zero damage to assets and minimal harm to environment**
- ✓ **Set Quality & HSE performance objectives, measure results, assess and continually improve processes, services and product quality, through the use of an effective management system.**

**Approved on 26<sup>th</sup> January 2014 by,**

A handwritten signature in black ink, appearing to read 'Sharul Mazlan Bin Hussin'.

**SHARUL MAZLAN BIN HUSSIN**  
**Director**



# **SUPPLEMENTARYSERVICES**

**In addition to our core activity, we also provide other services which comes as part and parcel of the package. Our team and affiliates are specialized, competent and having many years' experience in the field.**



## **NDE**

**Radiography**

**Dye Penetrant Test**



**Scaffolding**



**Catalyst loading**



**Creep test**



**Failure Analysis**



**Burner service and supply**



# **SUPPLEMENTARY SERVICES**

**Besides our core services, we also provide professionals and general support staff for the petrochemical, oil and gas industries. We extend our support to the needs of our clients in this Industry, creating a full team including manager, engineers, supervisors, Fitter, Welders and skilled workers.**

**To achieve Perfect Manpower Supply Services, we adhere to a stringent Health and Safety Policy. Our main goal is to help our clients to get the best results with strict compliance to Health and Safety Policy.**

- cb Project Manager**
- cb QA/QC Engineer**
- cb Project Engineer**
- cb Site Supervisor**
- cb Safety Officer**
- cb Safety Supervisor**
- cb Foreman**
- cb Pipe Fitter**
- cb Mechanical Fitter**
- cb Welder GTAW**
- cb Welder SMAW**
- cb Confined Space Entrant**
- cb Work Leader**
- cb Skill Workers**
- cb Firewatcher**
- cb Semi skills**
- cb Helper**

TOOLS AND EQUIPMENT	QUANTITY
<b>FACTORY EQUIPMENT</b>	
✓ Air Compressor	2
✓ Tropic Gasoline Generator 6kVA	2
✓ 5-ton forklift	1
✓ Lathe Machine	3
✓ Milling Machine	1
✓ PWHT Machine	1
✓ Genie Boom Lift S-45	1
✓ Genie Boom Lift S-60	1
✓ Genie Boom Lift S-80	2
✓ Genie Boom Lift Z-45	1
✓ 5-ton Overhead Crane	1
✓ 45 tons Rough Terrain Crane	1
✓ 20-ton mobile crane	1
<b>TIG TORCH / WELDING MACHINE / REGULATOR</b>	
✓ Masterweld Tig 315 PACDC Tig Welding Machine max 350 Amps	2
✓ HPT208 Inverter Tig Machine max 250Amps	10
✓ Masterweld Cut TOO (415V), Plasma Cutter Machine	1
✓ WP9FV-2 x 7.5m Tig Torch	2
✓ Ozweld WP9-2 x 7.5M Tig Torch Complete Set	1
✓ Samson Flair 600 Gouging Torch c/w Monocable	2
✓ Parker AWP17-25-2 Tig Welding Torch Complete for TP208	1
✓ Ozweld WP17 Tig Torch Complete Set	3
✓ Ozweld WP26F Tig Torch Double Cable	2
✓ Gas Man Argon Flowmeter Regulator	8
✓ Gasman h/d Cutting Torch c//w Oxy Acetylene Regulator	2
✓ Kobewel Earth Clamp 300A	1
✓ Propane LPG Heating c/w 6m Hose & Flashback c/w Hose Clip	1
<b>SPECIAL TOOLS</b>	
✓ Peening Tools	2
✓ HFT APPM005 ARGWELD Purge 100	1
✓ Pipe beveling machine, pneumatic driven, inside Clamping Type (ICP series)	1
✓ Bosch Line Laser + Bosch Tripod Stand 1600mm	1
✓ Dremel Engraver 290 35W 0.31kg 6,000 stroke/min	1
✓ Pipe EZG5 E-Z Gold Pipe Clamp 2"-5"	2
✓ Pipe EZG7 E-Z Gold Pipe Clamp 4"-7"	2
✓ Pipe EZG9 E-Z Gold Pipe Clamp 5"-9"	1
✓ 1/2" Japan SP DR Impact Wrench	3

# TOOLS EQUIPMENT 2

TOOLS AND EQUIPMENT		QUANTITY
<b>GENERAL TOOLS</b>		
✓ Aluminium Box - DL540 Basic Box, AL640 Offshore Box, DL540 Basic Box		5
✓ Heavy Duty Office Cabin Size: 20' x 10' x 8 1/2'		1
✓ 20ft Used Empty Container		1
✓ 1-ton Table Lift Cast Jack		1
✓ Wenner Step Ladder 12 steps		3
✓ Ventilation Fan 12" W-Stand C/W 5m Hose		6
✓ Full body harness, double lanyard with big hook		30
✓ JF Self Reflecting Lifeline with CE and TUV Approval - 10m, 15m, 20m		9
✓ 5/16" Air Hose (Black) 100m/roll		12
✓ Jut Rope (Tali Sabut)		1 roll
✓ Extension Wire (3 core) – for tool (Blue Colour)		100
✓ Extension Wire (3 core) – for light (Purple Colour)		20
✓ Extension Wire (3 core) – for welder (Red Colour)		30
✓ Earth Cable c/w Copper bar for underground		9
<b>GRINDER</b>		
✓ DCA 4" Angle Grinder		30
✓ DCA 7" Angle Grinder 750W		10
✓ Fuji Air Grinder FG3H-5		5
✓ DCA 4" Grinder Lock Nut		2
✓ DCA 4" Grinder Lock Nut Key Opener (Wrench)		1
✓ Fuji Air Grinder FA-2C-2 90* Air Angle Grinder S/NO: 451115		1
✓ Fuji Air Grinder FG26H-2 SNO: 454228, 453353		2
<b>LIGHTING</b>		
✓ Explosion Proof Work Light (Floodlight) - Rechargeable		6
✓ LED Explosion Proof Flashlight		7
✓ Hand Spot Flood Light		6
✓ Explosion Proof Searchlight (BW7101)		5
✓ LED Explosion Proof Light (BW7500A)		5
<b>TOOL KIT</b>		
✓ Top tool 150pc 1/4" x 1/2 DR Tool Kit		1
✓ Try Square S/S Ruler 12"		6
✓ Try Square Ruler 24"		6
✓ Wrecking Bar 42"		6
✓ Iron Bull 300mm Adjustable Spanner		11
✓ GBM350, GBM320 Bosch Drill		9
✓ 2" Masking Tape		6
✓ Magnetic Spirit Level 12"		1
✓ Stanley 24" 42-684 Non-Magnetic Level		1
✓ Copper Hammer (8 pound)		2
✓ Copper Hammer (14 pound)		2
✓ Copper Hammer (16 pound)		2

# TOOLS EQUIPMENT

## 3

TOOLS AND EQUIPMENT	QUANTITY
<b>WRENCH / IMPACT SOCKET</b>	
✓ 1/2" 19mm SQ DR Impact Socket	6
✓ 1/2" 23mm SQ DR Impact Socket	4
✓ 1/2" 30mm SQ Impact Socket	4
✓ Top tool Torque Wrench Max. Torque 20-200NM	1
<b>FIRE EXTINGUISHER</b>	
✓ ABC 9kg Fire Extinguisher (Powder Type) c/w Certificate	10
✓ ABC 1 kg Fire Extinguisher (Powder Type) c/w Certificate	3
✓ ABC 2 kg Fire Extinguisher (Powder Type)	3
<b>CHAIN BLOCK &amp; SLING BELT</b>	
✓ 1-ton x 3mtr Toho Chain Block	24
✓ 1-ton x 2.5mtr Chain Block *Akita-Japan	20
✓ 3-ton x 3mtr Chain Block *Akita-Japan	4
✓ 2-ton x 3mtr Chain Block BST VC-20	25
✓ 1-ton Chain Block	10
✓ 1-ton x 2m Supertex Lifting Belt Korea	35
✓ 1-ton x 1m Supertex Lifting Belt Korea	73
✓ 2-ton x 2m Supertex Lifting Belt Korea	14
✓ 4-ton x 8m Webbing Belt	2
✓ 3-ton x 6m Supertex Webbing Sling	10
✓ 2-ton x 3m Supertex Webbing Sling	2
✓ Shackle 3.25ton	8
✓ Shackle 4.75ton	8
✓ 3-ton x 3mtr Sling Belt	2
✓ 6-ton x 6mtr Sling Belt	1
<b>TRANSPORTATION</b>	
✓ ISUZU NPR71UKH - 3-ton lorry	1
✓ Ford Ranger Pick Up Truck	2
✓ Mitsubishi Pajero JEE8688	1



# QUALITYPOLICY

**Our Company strives to provide the best quality products at a reasonable cost to our valued customers at all times by:**

- 1. Ensuring our full commitment to comply with QMS requirements.**
- 2. Continually improve the effectiveness of the QMS.**
- 3. Establish and review Quality Objectives.**
- 4. Ensuring all levels of staff are well versed with the QMS requirements.**
- 5. Review the continuing suitability of the QMS through management review process.**

**Approved on 15<sup>th</sup> Sept 2014 by,**



**SHARUL MAZLAN BIN HUSSIN**  
**Director**

# **COMPANY**

# **CERTIFICATE**

## **CONTENT:**

- 1. MINISTRY OF FINANCE (MOF) LICENSE**
- 2. MINISTRY OF FINANCE (MOF) LICENSE – BUMIPUTERA STATUS**
- 3. PETRONAS LICENSE**
- 4. ISO 9001:2008 CERTIFICATE**
- 5. FELDA GLOBAL VENTURES HOLDINGS BERHAD LICENSE (G7)**
- 6. CIDB MALAYSIA LICENSE (G6)**
- 7. SPKK**
- 8. TENAGA NASIONAL BERHAD LICENSE**



## KEMENTERIAN KEWANGAN MALAYSIA

### SIJIL AKUAN PENDAFTARAN SYARIKAT

NO SIJIL : K22154442431787510  
NO RUJUKAN PENDAFTARAN : 357-02227283  
TEMPOH SAH LAKU : 24/09/2017 - 23/09/2020

Bahawa dengan ini diperakui syarikat :

CHAKRA BITARA SDN BHD (1048760X)  
NO 71A, JALAN LAWAN PEDANG 13/27,  
SEKSYEN 13  
PETALING  
40100 SHAH ALAM  
SELANGOR, MALAYSIA

Telah berdaftar dengan Kementerian Kewangan Malaysia dalam bidang bekalan/perkhidmatan di bawah sektor, bidang dan sub-bidang seperti di Lampiran A. Kelulusan ini adalah tertaluk kepada syarat-syarat seperti yang dinyatakan di Lampiran B. Individu yang diberi kuasa oleh syarikat bagi urusan perolehan Kerajaan adalah seperti berikut :

SHARUL MAZLAN BIN HUSSIN	821220085295	PENGARAH SYARIKAT
MUNIANDY A/L PACHAMUTHU	700104105569	PENGARAH SYARIKAT
NAJWA SAKINAH BINTI SUAIB	911129075570	PENGARAH SYARIKAT
MOHD ANIF BIN MOHD ALI	870617115457	PROJECT MANAGER

t.t

**DATO' OTHMAN BIN SEMAIL**

Bahagian Perolehan Kerajaan  
b.p Ketua Setiausaha Perbendaharaan  
Kementerian Kewangan Malaysia

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 24/09/2017

(Sijil ini adalah cetakan komputer dan tidak memerlukan tandatangan)

NO SIJIL : K22154442431787510  
 NO RUJUKAN PENDAFTARAN : 357-02227283  
 TEMPOH SAH LAKU : 24/09/2017 - 23/09/2020

BIL	TARIKH DAFTAR BIDANG	KOD BIDANG	KETERANGAN	STATUS
1	24/09/2017	120601	SISTEM PENCEGAHAN KEBAKARAN	Aktif
2	24/09/2017	120602	PERALATAN KAWALAN API	Aktif
3	24/09/2017	130101	MESIN DAN KELENGKAPAN BENGKEL	Aktif
4	24/09/2017	130201	JANAKUASA,PERALATAN/ALAT GANTI/AKSESORI(SECONDARY)	Aktif
5	24/09/2017	130202	MESIN DAN KELENGKAPAN KHUSUS	Aktif
6	24/09/2017	130401	PERALATAN PERINDUSTRIAN HULUAN	Aktif
7	24/09/2017	130402	PERALATAN PERINDUSTRIAN HILIRAN	Aktif
8	24/09/2017	140301	KABEL ELEKTRIK DAN AKSESORI	Aktif
9	24/09/2017	140502	KOMPONEN DAN AKSESORI ELEKTRIK/ELEKTRONIK	Aktif
10	24/09/2017	220301	ALAT HAWA DINGIN (WINDOW/SPLIT)	Aktif
11	24/09/2017	220401	ALAT KEBOMBAAN/ALAT PENYELAMAT/PEMADAM API	Aktif
12	24/09/2017	221101	KAKITANGAN IKTISAS (PROFESIONAL)-TIDAK TERMASUK KHIDMAT PERUNDING	Aktif
13	24/09/2017	221102	KAKITANGAN SEPARA IKTISAS(SEMI PROFESIONAL)-TIDAK TERMASUK KHIDMAT PERUNDING	Aktif
14	24/09/2017	221104	TENAGA BURUH	Aktif
15	24/09/2017	221901	MEMBELI BARANG LUSUH (TIDAK PERLU PERMIT)	Aktif

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 24/09/2017





## KEMENTERIAN KEWANGAN MALAYSIA

### SIJIL AKUAN PENDAFTARAN SYARIKAT BUMIPUTERA

NO SIJIL : BP22154442431787510  
NO RUJUKAN PENDAFTARAN : 357-02227283  
TEMPOH SAH LAKU : 24/09/2017 - 23/09/2020

Bahawa dengan ini diperalui syarikat :

CHAKRA BITARA SDN BHD (1048760X)  
NO 71A, JALAN LAWAN PEDANG 13/27,  
SEKSYEN 13  
PETALING  
40100 SHAH ALAM  
SELANGOR, MALAYSIA

Telah diiktiraf sebagai Syarikat Bumiputera oleh Kementerian Kewangan Malaysia. Taraf Bumiputera bukannya hak dan boleh ditarik balik sekiranya syarikat gagal mematuhi syarat/kriteria yang ditetapkan. Kelulusan ini adalah tertaluk kepada syarat-syarat seperti yang dinyatakan di Sijil Akuan Pendaftaran Syarikat Bumiputera (Lampiran C).

t.t

**DATO' OTHMAN BIN SEMAIL**

Bahagian Perolehan Kerajaan  
b.p Ketua Setiausaha Perbendaharaan  
Kementerian Kewangan Malaysia

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 24/09/2017

(Sijil ini adalah cetakan komputer dan tidak memerlukan tandatangan)



## LICENSE TO SUPPLY PRODUCT/SERVICE TO EXPLORATION AND OIL/GAS COMPANIES IN MALAYSIA

In exercising the powers conferred by Section 7, Petroleum Development Act 1974 and in accordance to Regulation 5 of the Petroleum Regulation 1974, delegated to me by the Prime Minister of Malaysia, I hereby issue the license under Regulation 3 of the Petroleum Regulation for the purpose of the above to:

Printed Date: 04.05.2017

CHAKRA BITARA SDN BHD (1048760-X)  
NO 71A, JALAN LAWAN PEDANG 13/27 SEKSYEN 13  
40100 SHAH ALAM  
SELANGOR

Details of License are as follows:-

Company's No : 1048760-X  
Type of Company : LICENSE  
Duration of License : 07.09.2015 - 06.09.2018  
License Fee : RM 750  
Categories of Product/Service : As attached in 'CATEGORIES OF LICENSE / REGISTRATION'.

Special Conditions impose onto this license:-

Subject to the special conditions as attached.

General requirements of this License are as stated in the next page.

Reminder: License Must Apply For Renewal 3 Months Before The Expiry Date.

This is a computer generated printout and no signature from PETRONAS is required.

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### PETRONAS LICENSE GENERAL CONDITIONS

1. Company is required to register, obtain a license, permit or authorization from the relevant authority to carry out the services or supply of product or material used in company's operation and activities;
2. This license is not transferable to any company/other party;
3. This license will be revoked if the company is found to be in the process of liquidation, winding-up or dissolution;
4. Company shall inform PETRONAS on any changes related to company's position such as equity ownership, board of directors and management staff within **fourteen (14) days**. Failure to do so can result in revoke of License;
5. Company should take immediate action to adhere to the special conditions imposed as stated in the appendix of the PETRONAS license certificate and to inform PETRONAS on the progress of this action;
6. Company is not allowed to take another company as principal, agent, sub-contractor or otherwise to provide any service or supply of any facility, fittings or equipment on its behalf without prior written consent from PETRONAS;
7. Company shall allow PETRONAS representatives for inspection visit / site / company audit and review / copy of documents and interviewing employees and related parties;
8. This License must be shown to PETRONAS' s officers when it is required for inspection;
9. This License is only valid for services and supply of products as stated in the appendix of the PETRONAS license certificate;
10. This company can be penalised if in PETRONAS' opinion, it has conducted one or more of the following:
  - a. Failed to execute the award job until completion.
  - b. Failed to perform a contractual obligation or any other obligation under the law to partners, principals, agents, sub-contractors and others.
  - c. Received garnishee order.
  - d. Facing bankruptcy action.
  - e. Cannot be traced through the last address.
  - f. Sub-contract work to another contractor without written permission from PETRONAS.
  - g. Reject any contract or tender awarded.
  - h. Entering or accepting contract or tender during the license suspension period.
  - i. Provide false, inaccurate or misleading information.
  - j. Does not follow tender's regulations and ethics including but not only limited to sending poison-pen letters, bribing or lobbying.
  - k. Engaged in any inappropriate activities with this License.
11. According to Act 9, Petroleum Acts 1974, a person who initiate or continue any business or continue providing services as mentioned in Act 3 without a license or do not comply with any condition of the license is committing a crime and can be fined not exceeding RM50,000.00 (Fifty Thousand Ringgit) or imprisonment for a period not more than two (2) years or both and in respect of each continuous crime, it is subject to further fine of RM1,000.00 (One Thousand Ringgit) for every one (1) day or any part of one (1) day which the offense continues after the first conviction is recorded;
12. This approval is not an agreement/guarantee that your company will be called to participate in a tender or quotation of PETRONAS or its subsidiaries;
13. The company either by itself, through its employees, directors, agents or its employees;
  - a. Not allow to use the logo of the PETRONAS' s oil drop or the word "PETRONAS" or use any mark, logo or words or wearing typeface, font, which resembles the appearance or colour trademarks owned or used by PETRONAS or its subsidiaries ("the PETRONAS trademarks") in any form whether in printing materials, websites or hand board; and
  - b. Not allow to perform any act or in any way either directly or indirectly admits that it is a partner or have any connection/relationship with PETRONAS and/or its subsidiaries, UNLESS AND EXCEPT company is allowed to use reference [Company] is licensed by PETRONAS [No. license], under Act 3 Petroleum Act 1974.
14. This License may be revoked, suspended or blacklisted at any time if any of the above conditions, general conditions of PETRONAS license and registration and any other conditions set in PETRONAS License and Registration General Guidelines are not fulfilled.



COMPANY'S NAME : CHAKRA BITARA SDN BHD (1048760-X)  
LICENSE NO : 1048760-X  
LICENSE PERIOD : 07.09.2015 - 06.09.2018

CATEGORIES OF LICENSE / REGISTRATION					
APPROVED LICENSE CATEGORIES					
L/R	Service / Supplier Code	Mode of Operation	Principal Name (If Applicable)	Approval Date / Time	Expiry Date
L	SC3020102 CONSULTANCY SERVICES - ENGINEERING CONSULTANCY SERVICES - MECHANICAL ENGINEERING CONSULTANCY - ROTATING EQUIPMENT CONSULTANCY	SELF-OPERATED	NOT APPLICABLE	07.09.2015 09:16:32	06.09.2018
L	SC3020700 CONSULTANCY SERVICES-ENGINEERING CONSULTANCY SERVICES-PIPELINE ENGINEERING CONSULTANCY	SELF-OPERATED	NOT APPLICABLE	07.09.2015 09:16:32	06.09.2018
L	SI2010100 INSTRUMENTATION MAINT- PNEUMATIC ACTUATED VALVE (Reclassified from SI2010100, SI2010200 & SI2010300)	SELF-OPERATED	NOT APPLICABLE	05.09.2016 14:04:19	06.09.2018
L	SI2010500 INSTRUMENTATION MAINT-REGULATOR	SELF-OPERATED	NOT APPLICABLE	05.09.2016 14:04:19	06.09.2018
L	SI2010600 INSTRUMENTATION MAINT-SOLENOID OPERATED VALVE (SOV)	SELF-OPERATED	NOT APPLICABLE	05.09.2016 14:04:20	06.09.2018
L	SI2050300 INSTRUMENTATION MAINT-FIBER OPTICS	SELF-OPERATED	NOT APPLICABLE	05.09.2016 14:04:20	06.09.2018
L	SI2050400 INSTRUMENTATION MAINT-INSTRUMENT CABLING & WIRING WORKS	SELF-OPERATED	NOT APPLICABLE	05.09.2016 14:04:21	06.09.2018
L	SI2070100 INSTRUMENTATION MAINT-INSTRUMENT CALIBRATION & VALIDATION.(RECLASSIFIED FROM SMI070200- MAIL & CARGO TRANSPORT-WEIGHING SERV)	SELF-OPERATED	NOT APPLICABLE	05.09.2016 14:04:21	06.09.2018
L	SM2030300 MANPOWER SUPPLY-MATERIAL, CORROSION & INSPECTION SPECIALIST	SELF-OPERATED	NOT APPLICABLE	07.09.2015 09:16:32	06.09.2018
L	SM2030400 MANPOWER SUPPLY - SPECIALIST MANPOWER - SPECIALIST MECHANICAL / PIPING	SELF-OPERATED	NOT APPLICABLE	07.09.2015 09:16:32	06.09.2018
L	SM5010500 MECHANICAL ENG MAINT-FURNACES, FIRED HEATERS & FLARES	SELF-OPERATED	NOT APPLICABLE	14.09.2015 08:33:02	06.09.2018
L	SM5020401 MECHANICAL ENGINEERING & MAINTENANCE - ROTATING EQUIPMENT/MOVABLES REPAIR & MAINTENANCE - PUMPS -CENTRIFUGAL PUMP (Reclassified from SM5020403,ELECTRIC MOTOR SUBMERSIBLE PUMP and/or SM5020404, CRYOGENIC PUMP)	SELF-OPERATED	NOT APPLICABLE	30.08.2016 16:13:59	06.09.2018

This is a computer generated printout and no signature from PETRONAS is required.

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COMPANY'S NAME : CHAKRA BITARA SDN BHD (1048760-X)  
LICENSE NO : 1048760-X  
LICENSE PERIOD : 07.09.2015 - 06.09.2018

CATEGORIES OF LICENSE / REGISTRATION					
APPROVED LICENSE CATEGORIES					
L/R	Service / Supplier Code	Mode of Operation	Principal Name (If Applicable)	Approval Date / Time	Expiry Date
L	SM5020402 MECHANICAL ENGINEERING & MAINTENANCE - ROTATING EQUIPMENT/MOVABLES REPAIR & MAINTENANCE - PUMPS - POSITIVE DISPLACEMENT PUMP	SELF-OPERATED	NOT APPLICABLE	30.08.2016 16:13:58	06.09.2018
L	SM5020700 MECHANICAL ENGINEERING & MAINTENANCE - ROTATING EQUIPMENT/MOVABLES REPAIR & MAINTENANCE - AGITATOR, MIXER & EXTRUDER	SELF-OPERATED	NOT APPLICABLE	30.08.2016 16:13:58	06.09.2018
L	SM5120100 MECHANICAL ENG MAINT-HOT INSULATION	SELF-OPERATED	NOT APPLICABLE	23.02.2016 18:43:50	06.09.2018
L	SM5120200 MECHANICAL ENG MAINT-COLD INSULATION	SELF-OPERATED	NOT APPLICABLE	23.02.2016 18:43:51	06.09.2018
L	SO2020102 OFFSHORE FACILITIES CONST-MAJOR FABRICATION-ONSHORE FACILITIES (Reclassified from SM5200000)	SELF-OPERATED	NOT APPLICABLE	16.03.2017 19:20:41	06.09.2018
L	SO2020203 OFFSHORE FACILITIES CONSTRUCTION - ONSHORE FABRICATION - MINOR ONSHORE FABRICATION - MINOR ONSHORE FABRICATION - MECHANICAL	SELF-OPERATED	NOT APPLICABLE	16.03.2017 19:20:41	06.09.2018
L	SO2020206 OFFSHORE FACILITIES CONST-MINOR ONSHORE FABRICATION-STRUCTURAL	SELF-OPERATED	NOT APPLICABLE	16.03.2017 19:20:41	06.09.2018
L	SS1090100 SPECIAL CATEGORIES MAINT-CATALYST & ABSORBENT CHANGEOUT-INTERNAL MEDIA CHANGEOUT	SELF-OPERATED	NOT APPLICABLE	25.03.2016 19:02:03	06.09.2018
L	SS1090300 SPECIAL CATEGORIES MAINT-CATALYST & ABSORBENT CHANGEOUT-MOVING BED	SELF-OPERATED	NOT APPLICABLE	25.03.2016 19:02:03	06.09.2018
L	SS1090400 SPECIAL CATEGORIES MAINT-CATALYST & ABSORBENT CHANGEOUT-MULTI BED	SELF-OPERATED	NOT APPLICABLE	25.03.2016 19:02:03	06.09.2018

\*\*\* END \*\*\*

This is a computer generated printout and no signature from PETRONAS is required.

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# Certificate of Registration

*This is to certify that compliance of Quality Management System of*

## CHAKRA BITARA SDN BHD

No 71 A, Jalan Lawan Pedang 13/27,  
Seksyen 13, 40100 Shah Alam,  
Selangor, Malaysia.

*Has been assessed and found to conform to the requirements of*

### ISO 9001 : 2008

*for the scope of activities :*

**Provision to Supply Skilled Labour, Material, Equipment, Welding,  
Trading & other Relevant Services for Maintenance and Installation Activities for  
Petrochemical, Oil & Gas, Steel Plants and other Industries**

Permissible Exclusion : 7.3 Design and Development

Certificate No. : RQ65/JA/1583  
JAS-ANZ Accreditation No : M4430310IC

Issue Date : 15.10.2015  
Certificate Valid Upto : 14.10.2018



**JAS-ANZ**



[www.jas-anz.org/register](http://www.jas-anz.org/register)



Quality Seal

For and on behalf of Quest Certification (P) Ltd

Head of Certification

Surveillance Audit : 2nd Year : 01.10.2016

3rd Year : 01.10.2017

**Quest Certification (P) Ltd**

The Validity of this Certificate can be verified from [www.questcertification.com](http://www.questcertification.com)

The Registration does not assure the quality of yields under the firm's production / services

Accredited by Joint Accreditation System of Australia and New Zealand ([www.jas-anz.org/register](http://www.jas-anz.org/register))





**FELDA GLOBAL VENTURES HOLDINGS BERHAD**  
(800165-P)

**AKUAN PENDAFTARAN VENDOR**

**NO. RUJUKAN PENDAFTARAN** : B-01021500003-01  
**TEMPOH KELAYAKAN** : 01/02/2018 - 31/01/2021

Adalah dengan ini diperakui bahawa vendor yang dinyatakan di bawah ini telah berdaftar dengan FELDA GLOBAL VENTURES HOLDINGS BERHAD dan layak untuk menyertai tawaran sebut harga / tender di Syarikat-Syarikat Kumpulan FELDA.

**NAMA DAN ALAMAT BERDAFTAR**

**CHAKRA BITARA SDN BHD**  
S-13-06, LEVEL 13, FIRST SUBANG, JALAN SS 15/4G  
47500 SUBANG JAYA  
SELANGOR

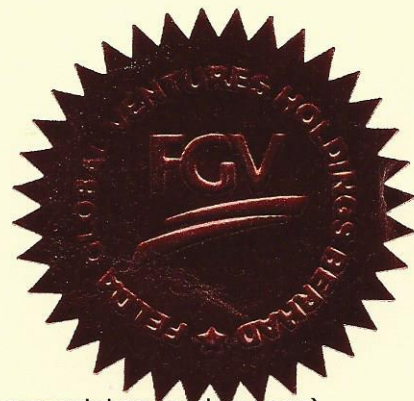
(NO. SYARIKAT : 1048760-X )

**KOD BIDANG ADALAH SEPERTI BERIKUT :**

<b><u>KOD BIDANG</u></b>	<b><u>KETERANGAN</u></b>	<b><u>GRED</u></b>
0102	Kejuruteraan Mekanikal	7

\*\*\*\*\*  
*Penting: Permohonan pembaharuan sijil hendaklah dibuat selewat-lewatnya 30 hari sebelum tarikh tamat tempoh perakuan sijil (Rujuk syarat perkara 3 di belakang sijil ini)*

t.t  
(DATO' ABD RAZAK YUNUS)  
KETUA PEGAWAI PEROLEHAN



(Sijil ini adalah cetakan komputer dan tidak memerlukan tandatangan)

## 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 bersama perakuan ini.

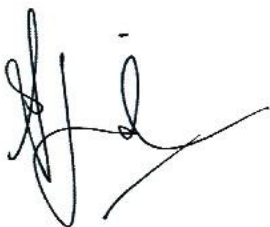
**No. Pendaftaran** : 0120141028-SL159486  
**Nama Kontraktor** : CHAKRA BITARA SDN. BHD.  
**Alamat Berdaftar** : S-13-06, LEVEL 13, FIRST SUBANG JALAN SS 15/4G  
47500 SUBANG JAYA  
SELANGOR  
**Daerah** : PETALING  
**Tarikh Mula Berdaftar** : 28/10/2014

<u>GRED</u>	<u>KATEGORI</u>	<u>PENGKHUSUSAN</u>
G6	B	B04
G6	CE	CE21
G6	ME	M15,M20

Tarikh Mula Berkuatkuasa : 09/08/2017

Tarikh Habis Tempoh Perakuan : 26/10/2018

**STATUS: AKTIF**



Ketua Eksekutif

Lembaga Pembangunan Industri Pembinaan Malaysia

Tarikh: 09/08/2017





## SIJIL PEROLEHAN KERJA KERAJAAN

Adalah disahkan syarikat/Firma ini adalah berdaftar dengan Lembaga Pembangunan Industri Pembinaan Malaysia dan tertakluk kepada syarat-syarat termaktub bersama sijil ini.

No. Pendaftaran : 0120141028-SL159486  
Nama Kontraktor : CHAKRA BITARA SDN. BHD.  
Alamat Berdaftar : S-13-06, LEVEL 13, FIRST SUBANG JALAN SS 15/4G  
47500 SELANGOR  
Daerah : PETALING  
Tarikh Mula Berdaftar : 28/10/2014

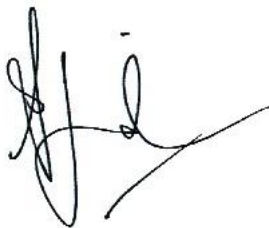
<u>GRED</u>	<u>KATEGORI</u>	
G6	B	(Pembinaan Bangunan)
G6	CE	(Pembinaan Kejuruteraan Awam)
G6	ME	(Mekanikal dan Elektrikal)

### PEGAWAI SYARIKAT YANG DITAUHIAHKAN

### NO. K/P

NIK ZUL SYAFIQ AFFANDI BIN MOHD YUSOFF	910104035869
MUNIANDY A/L PACHAMUTHU	700104105569
NAJWA SAKINAH BINTI SUAIB	911129075570
MOHD HAZMIR BIN MOHD AZIZUDDIN	880904065375
SHARUL MAZLAN BIN HUSSIN	821220085295

Tarikh Mula Berkuatkuasa : 09/08/2017  
Tarikh Habis Tempoh Perakuan : 26/10/2018



Ketua Eksekutif

Lembaga Pembangunan Industri Pembinaan Malaysia

Tarikh: 09/08/2017





**TENAGA NASIONAL**  
BEBERKUTU

*Dengan ini disahkan bahawa*

**CHAKRA BITARA SDN. BHD.**

**S-13-06, LEVEL 13,  
FIRST SUBANG JALAN SS 15/4G  
47500, SUBANG JAYA, SELANGOR**

*Telah berdaftar dengan Tenaga Nasional Berhad sebagai*  
**Kontraktor Kerja**

*di bawah kategori yang tercatat dalam sijil ini*

GRED	KATEGORI	PENGKHUSUSAN
G6	B	B04****
	CE	CE21****
	ME	M15, M20****

\*\*\*\*\*

#### **BUTIR-BUTIR PENDAFTARAN**

NO PENDAFTARAN TNB : 3049983  
NO PENDAFTARAN SYARIKAT : 1048760X  
NO SIJIL PENDAFTARAN : 0120141028-SL159486  
TEMPOH SAHLAKU SEHINGGA : 26.10.2018  
TARAF BUMIPUTERA : BUKAN BUMIPUTERA  
LAIN-LAIN PENDAFTARAN : PPK0000/2017, KK(B)0000/2016, KK(B)0000/2017,  
KK(B)0000/2016, KK(B)0000/2017

*Tarikh tempoh sahlaku pendaftaran ini adalah tertakluk kepada tempoh sahlaku Pendaftaran sijil-sijil Kementerian Kewangan(KK), Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) dan sijil-sijil professional yang berkaitan.*

**Ir. Syed Abu Hanifah bin Syed Alwi**  
Ketua Pegawai Perolehan  
Bahagian Perolehan  
Tenaga Nasional Berhad

**Tarikh kelulusan : 16.08.2017**

*Ini adalah cetakan komputer dan tidak memerlukan tandatangan.*



**TENAGA NASIONAL**  
BERHAD

*Dengan ini disahkan bahawa*

**CHAKRA BITARA SDN. BHD.  
NO.71A,JALAN LAWAN PEDANG 13/27,  
SEKSYEN 13,PETALING  
40100 , SHAH ALAM , SELANGOR**

*Telah berdaftar dengan Tenaga Nasional Berhad sebagai  
**Pembekal & Kontraktor Perkhidmatan**  
di bawah kategori yang tercatat dalam sijil ini*

\*\*\*\*\*  
120601, 120602, 130101, 130201, 130202, 130401, 130402, 140301, 140502, 220301,  
220401, 221101, 221102, 221104, 221901\*\*\*

\*\*\*\*\*

#### **BUTIR-BUTIR PENDAFTARAN**

NO PENDAFTARAN TNB	:	3049983
NO PENDAFTARAN SYARIKAT	:	1048760X
NO SIJIL KEMENTERIAN KEWANGAN	:	K22154442431787510
TEMPOH SAHLAKU SEHINGGA	:	23.09.2020
TARAF	:	BUMIPUTERA
LAIN-LAIN PENDAFTARAN	:	SPKK0000 /2017,PPK0000 /2017,SPKK0000 /2016,PPK0000 /2016.

*Tarikh tempoh sahlaku pendaftaran ini adalah tertakluk kepada tempoh sahlaku Pendaftaran sijil-sijil  
Kementerian Kewangan(KK), Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) dan sijil-sijil  
professional yang berkaitan.*

**Ir. Syed Abu Hanifah bin Syed Alwi**  
Ketua Pegawai Perolehan  
Bahagian Perolehan  
Tenaga Nasional Berhad

**Tarikh kelulusan : 16.08.2017**

*Ini adalah cetakan komputer dan tidak memerlukan tandatangan.*

# PROJECT LIST



## PROJECT EXPERIENCE LIST

End User	Customer	Year	Area	Project Scope
Kuantan ESSO	Wong Ben Chian Engineering	1997	Site fabrication	Storage tank
Kuantan ESSO	Wong Ben Chian Engineering	2001	Site fabrication	Storage tank
Malaysia Carbon	Wong Ben Chian Engineering	2001	Site fabrication	Storage tank
Thai Oil	Schmidt + Clemens	2008	Reformer	Installation & welding
Perwaja	Schmidt + Clemens	2009	Convection	Replacement of tube
Shell Bintulu	Schmidt + Clemens	2009	Reformer	Welding service
Perwaja	Schmidt + Clemens	2010	Heater coil	Replacement of tubes
BASF Petronas	Schmidt + Clemens	2010	Reformer	Partial tube replacement
BASF Petronas	Schmidt + Clemens	2010	Reformer	Complete tube replacement
PCEMSB	Schmidt + Clemens	2011	Cracking coil + Convection tube	2 furnace coil complete replacement
PFK	Schmidt + Clemens	2012	Reformer	Welding service
PCEMSB	Schmidt + Clemens	2012	Cracking coil	1 furnace coil replacement
Air Product	CAREION	2013	Heater tube	Repair work
Perwaja	CAREION	2013	Reformer	40 tube replacement
Perwaja	CAREION	2013	Heater coil	Partial tube replacement
Perwaja	CAREION	2013	DRI Tube	Perwaja Steel, DRI 40 tube Replacement + VO
PCESB	MMSSB/CB	2013	Cracking coil	PCESB, 3 Furnace Recoiling
PCESB	MMSSB/CB	2013	Convection	Convection tube sheet repair for F-106
Air Product	CAREION	2013	Welding	Air Product-Kulim , Tank Repair
Air Product	CAREION	2014	Welding	Air Product-Perai, Mechanical Repair
PCESB	MMSSB/CB	2014	Furnace Arc revamp	Furnace Roof plate and insulation supply and install
PCESB	MMSSB/CB	2014	Supply	Tube sheet plate (convection tube sheet)
PCESB	MMSSB/CB	2014	Cracking coil	To Repair Coil Clogged at F104
PCESB	MMSSB/CB	2014	Mechanical work	Piping and valve replacement (Emergent job during TA)
PCESB	Tenaga Tiub	2014	Convection Bank	Convection module complete revamp total 6 furnace 2 level
PCESB	Tenaga Tiub	2015	Convection Bank	Fire bricks replacement + shall plate repair
PT. Ecogreen Oleochemicals	PT. Ecogreen Oleochemicals	2014	Reformer	Reformer Tube Welding Job
PCESB	Tenaga Tiub	2015	Radiant Coil	Radiant coil alignment x 4 furnace
PCESB	Tenaga Tiub	2015	Crossover tubes	Prefab and replacement of Crossover tube x 5 Furnace
PCESB	Physius	2015	Supply	Supply of Stainless Steel Round Bar
PCESB	Physius	2015	Roof Top Repair	Furnace F-106 Roof Top Repair
PCESB	Physius	2015	Supply	Plenum Nose
Air Product	Air Product	2015	Supply	Supply blind plate and conical machine plug
PETROFAC-RAPID	SR Infratech	2015	Structure	Steel structure c/w roof and wall cladding installation
PCESB	PCESB	2015	Mechanical work	Mechanical Work for radiant Tube No 10 Cutting and Re Welding
PETRONAS GAS BERHAD	PETRONAS GAS BERHAD	2016	Flare Repair	Mechanical S-704 Flare Repair

PETRONAS GAS BERHAD	PETRONAS GAS BERHAD	2016	Fabrication	Plenum & LH Burner fabrication
PETRONAS GAS BERHAD	PETRONAS GAS BERHAD	2016	Supply	Supply Seamless Tube
Petronas Chemicals MTBE	Rakannusa Engineering	2016	Catalyst change out	Manpower supply , Project Manager, Supervisor, Safety Supervisor , Work Leader, Foreman, Confine Space Entrance Skill Workers, Semi Skill Workers. For vessel D204A
Petronas PDH Plant	Rakannusa Engineering	2016	Catalyst change out	Manpower supply , Project Manager, Supervisor, Safety Supervisor , Work Leader, Foreman, Confine Space Entrance Skill Workers, Semi Skill Workers. For vessel V1001A,V1002A,V1004A.
Petronas PDH Plant	Rakannusa Engineering	2016	Catalyst change out	Manpower supply , Project Manager, Supervisor, Safety Supervisor , Work Leader, Foreman, Confine Space Entrance Skill Workers, Semi Skill Workers. For vessel
PT. Ecogreen Oleochemicals	PT. Ecogreen Oleochemicals	2016	Reformer	Replacement Reformer Tube
PT. Ecogreen Oleochemicals	PT. Ecogreen Oleochemicals	2016	Supply	Supply sockolet
PETROFAC-RAPID	SR Infratech	2016	Structure	Junior and Senior Shelter Structure Installation
PCESB	Physius	2016	Welding	Fitup and welding of tubesheet
Petronas PDH Plant	Rakannusa Engineering	2016	Catalyst change out	Manpower supply , Project Manager, Supervisor, Safety Supervisor , Work Leader, Foreman, Confine Space Entrance Skill Workers, Semi Skill Workers. For vessel
PETROFAC-RAPID	SR Infratech	2016	Structure	2 units of Junior and Senior Shelter Wall Installation
Klay Enersol (M) Sdn Bhd	Klay Enersol (M) Sdn Bhd	2016	Mechanical work	Supply of manpower and equipment for Repair Job F-102, Fitter , Welder and Work Leader
PCESB	PCESB	2016	Installation	DPC Installation for 3 furnace
PCESB	PCESB	2016	Supply	Supply SS310 plate
Optimistic Organic Sdn Bhd	Optimistic Organic Sdn Bhd	2016	Reactor	Reactor-A existing Super Heater removal and erection of new Super Heater
PCESB	PCESB	2016	Furnace	Repair Coil F-105
PETROFAC-RAPID	PETROFAC-RAPID	2016	Structure	Structural Steel Modification at Site
PETROFAC-RAPID	PETROFAC-RAPID	2017	Supply	Manpower Supply, Site Manager, Engineer , Supervisor, Safety Supervisor, Fitter , Welder, Skill Workers.
PCASB	PCASB	2017	Reformer	288 Reformer Tubes Replacement Works
PCESB	PCESB	2016	Furnace	Coil Repair at furnaces
PCOSB(Optional)	PCOSB(Optional)	2017	Supply	Supply 306m Pipe 3" 160 A335 P91 Smls
PP(M)SB	PP(M)SB	2017	Reactor	Replacement of Pressure Vessel
PCESB	PCESB	2017	Fabrication	Roof fabrication
Schmidt + Clemens	Schmidt + Clemens	2017	Reformer	Install castable, dry out process
Schmidt + Clemens	Schmidt + Clemens	2017	Reformer	Hacking & install castable, dry out process
PETRONAS GAS BERHAD	PETRONAS GAS BERHAD	2017	Catalyst change out	Molsieve changeout-3 vessel
PCESB	PCESB	2017	PTLE	Retubing F-102
PCASB	PCASB	2017	Fabrication	Reformer tube Replacement-Reformers Chamber A & B
PCASB	PCASB	2017	Fabrication	Reformer tube Collor F3-1201
PCASB	PCASB	2017	Supply	TA Manpower Supply, Confine space Welder ,Fitter and fire watcher
BASF Petronas	Schmidt + Clemens	2017	Reformer	Replacement of Reformer Tube

Air Product Kazakhstan	Schmidt + Clemens	2017	Supply	Manpower Supply for furnace tube collector welding in Kazakhstan, Welders and Engineer.
Air Product Medan Indonesia	Schmidt + Clemens	2017	Supply	Supply skilled workers, tools, and equipments for term contract in Medan , Bevellling Technician and Bevelling Machine.
Nur Power Plant	Global Power Services	2017	Power plant	Process pipeline 12" 300mtr and fuel gas 2" 300mtr and installation of 2 units 60 ton per unit turbophase equipment
United Plantation	Econex Sdn Bhd	2017	Installation and fabrication	Supply labour and consumables for piping and supports installation
Continental Tyre Petaling Jaya	Kawan Engineering Sdn Bhd	2017	Installation and fabrication	Supply Pipes and Fittings c/w Insulation including Fabrication and Site Installation for Flash Steam and Condensate Forbes Marshall
Nur Power Plant	PowerPhase Generation Singapore	2017	Installation and fabrication	Supply manpower, materials, tools and equipment for installation of 2 units of platform and 6" manifold pipe for Nur GT 1.1 and GT 1.2
PETRONAS GAS BERHAD	PETRONAS GAS BERHAD	2018	Services	Supply manpower, materials, tools and equipment to perform overhaul, installation and commissioning of product transfer pumps

**PROJECT PHOTO**

# INSULATION





# END TUBE SHEET

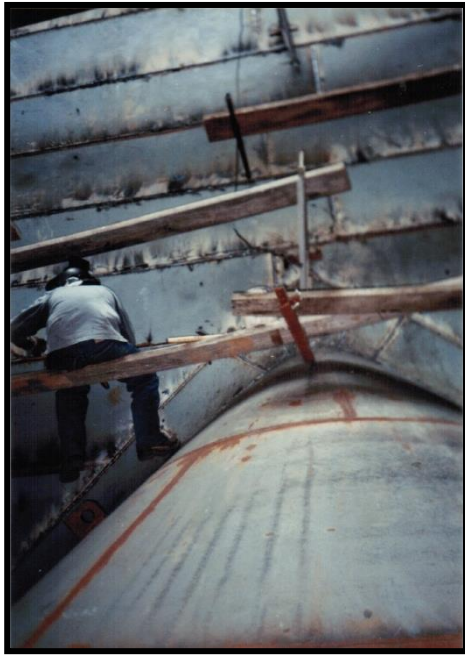




## CROSSOVER PIPES INSTALLATION



# STORAGE TANK-SITE FABRICATION

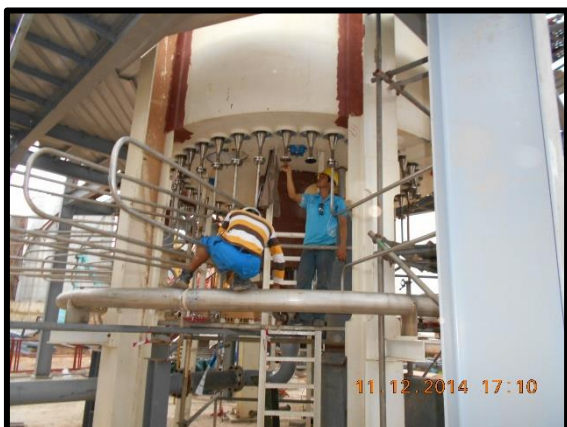
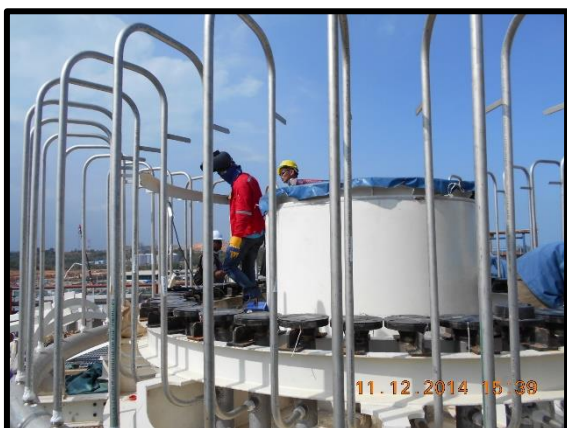




# ERECTION STEEL STRUCTURE Pengerang 4035

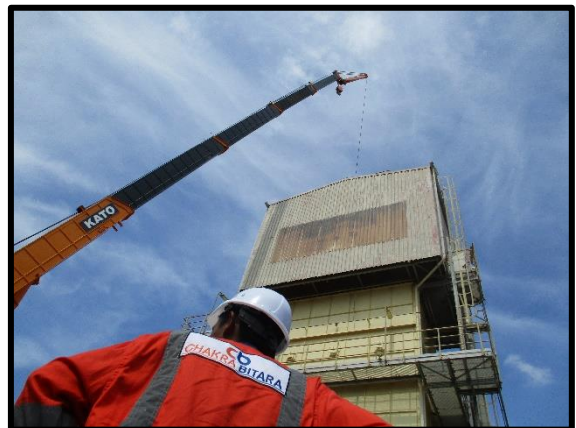
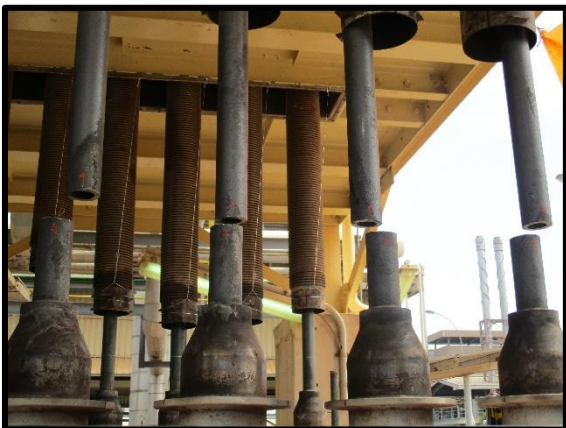


# INLET AND OUTLET REFORMER HEADER INSTALLATION





# REPLACEMENT REFORMER TUBE 4037



# S-704 FLARE REPAIR

## 4041





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Y

**No 7, Jalan Zurah 3A,  
Pusat Perindustrian Zurah,  
44200 Rasa, Selangor**

# MAINOFFICE

## CHAKRA BITARA SDN BHD

**(1048760-X)**

**71A, Jalan Lawan Pedang 13/27,  
Seksyen 13,  
40100 Shah Alam,  
Selangor Darul Ehsan.**



**+ (6)03-55192255**

**+ (6)03-55245022**

**<http://www.chakrabitara.com>**

### Sales

**Mr Andy Pachamuthu**



**+ (6)012-3665145**

### Technical

**Mr Sharul Mazlan**



**+ (6)012-2785824**

