# TASAS Engineering

(CR No: 4030345878)

# Company Profile

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# SECTION 1
# Particulars of Company

Established in Malaysia, TASAS EMC is one of the leading International Electro Mechanical Company, with projects and activities in Malaysia, KSA,Qatar, and U.A.E. and with very wide experience in Electro Mechanical Engineering, TASAS EMC has a track record in the field of Electro – Mechanical work in all industry sectors.

The Company applies its advance approach to both small and large projects.

TASAS EMC is registered in; The Ministry of Planning, the Supreme Petroleum Council, GASCO, ADCO and ADWEA to execute projects and to provide services in the following fields:

A. Supply, Install, Test & Commission the following:

1.0 **Electrical Works:**
1.1 MDB's, SMDB's, & Final DB's
1.2 Main Bus-bar
1.3 The S/C wire & all kinds of cable
1.4 Telephone, Data & CATV Systems
1.5 Access Control System (ACS)
1.6 CCTV Systems
1.7 Fire Alarm System
1.8 Master Clock System
1.9 Public Address System
1.10 Earthing System
1.11 Video & Audio Intercom System
1.12 Isolators & Cable Trays

2.0 **Electrical Substations which includes:**
2.1 Medium Voltage (M.V.) Transformers
2.2 O.H.L (M.V. Over Head Lines) 33KV / 11KV
2.3 M.V. Indoor & Outdoor Switchgears and all accessories
2.4 M.V. Cables and all termination & joint kits (underground & above ground)
2.5 Earthing Systems, Lightning Systems, Cable Trays & all related works

3.0 **Electrical Low Voltage Services:**
3.1 Power & Lighting Systems
3.2 Panel Boards
3.3 Cables & all related works
3.4 Street Lighting System

# SECTION 1
# Particulars of Company

3.5 All electrical works related to mechanical equipment
(Pumps, Chillers, Air Handling Units Machines…etc)
3.6 Airfield Ground Lighting

4.0 **Electrical Low Current Services:**
4.1 Instrumentation System
4.2 Telephone & Data System
4.3 CCTV & CATV System
4.4 Fire Alarm System
4.5 Fiber Optic Works
4.6 Emergency Response System

B. Supply, Install, Testing & Commission the following:

1.0 **Industrial Mechanical Equipment / Works:**
1.1 Pumps & Piping System
1.2 Water Treatment Plant System
1.3 Fire Fighting System (Water, Foam & Pro-Inert, Inergin, Gases …etc.)
1.4 HVAC System

2.0 **Domestic System:**
2.1 Water Supply System
2.2 Drainage System
2.3 Fire Fighting System

TASAS EMC has embarked on a quality management system in order to provide and maintain the highest level of quality, which facilitate the company to operate in a pro-active method.

TASAS EMC's success depends on the employees. Our dedicated team provides high quality services by meeting key objectives and deadlines.

# SECTION 1
# Particulars of Company

## Pre-Construction

| | |
|---|---|
| Preconstruction Estimating | – Providing project estimating and a reliable, timely cost model drawn from a deep database. |
| Feasibility Studies | – Analyzing life cycle costs for building system alternatives. |
| Scheduling | – Developing a complete team schedule showing who and what goes where and when. |
| MEP Review | – Evaluating evolving mechanical, electrical and plumbing system concepts and coordinating engineering services. |
| Constructability Review | – Determining ease and speed of the building process. |
| Risk Management | – Controlling cost, schedule and owner objectives to mitigate risk. |
| Market Analysis | – Understanding the unique requirements of your project in the context of market conditions and trends. |
| Cost Control | – Providing the most efficient design and construction methods to achieve value. |
| Quality Control | – Monitoring methods, procedures and checks from start to finish with the goal of meeting established standards. |

# SECTION 1
# Particulars of Company

## Construction

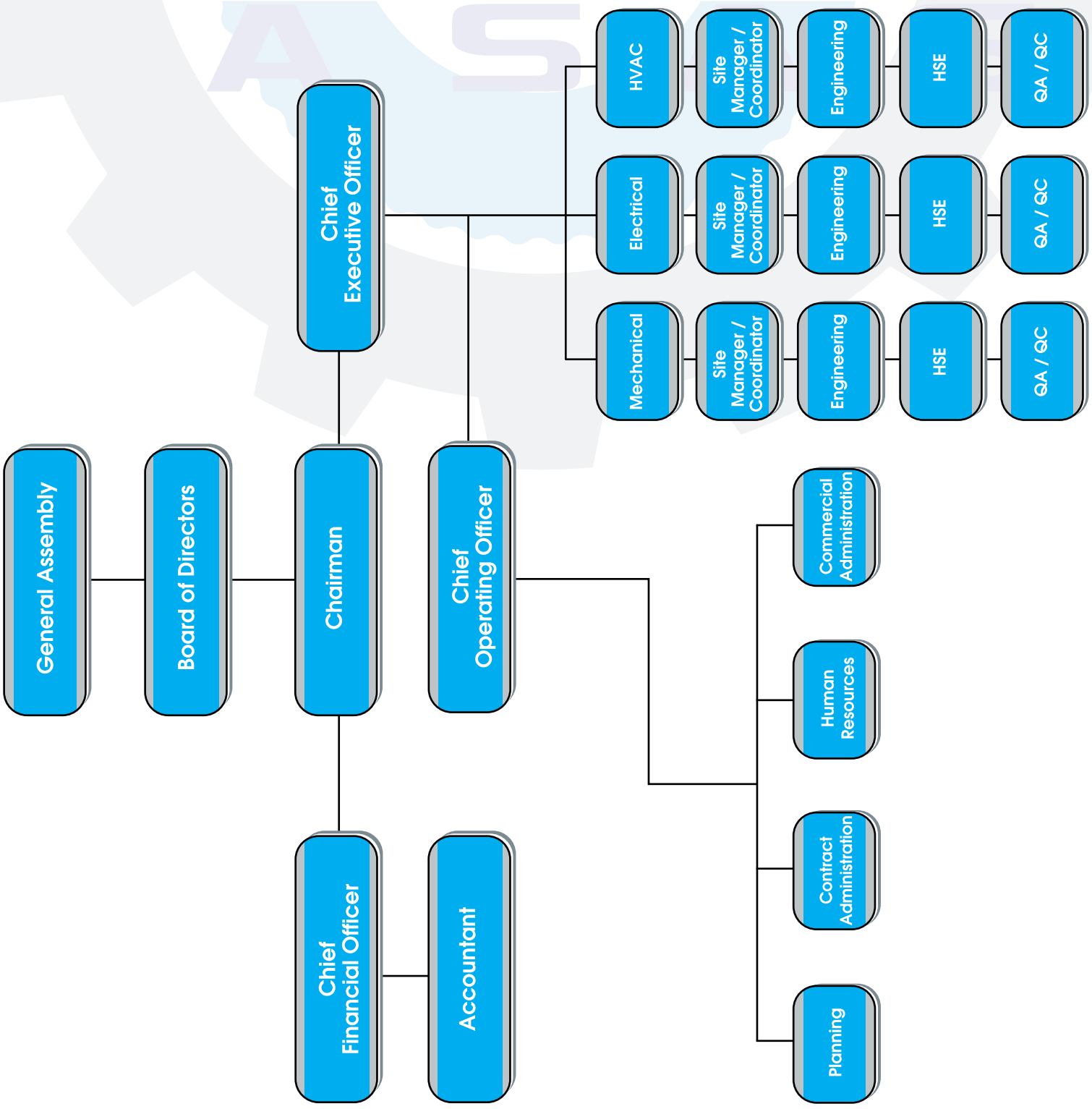
| | |
|---|---|
| LEED ™ Certification | – Meeting sustainable design and construction criteria for Leadership in Energy & Environmental Design certification and recognition |
| Progress Monitoring | – Monitoring actual versus forecasted schedule/ budget |
| Change Order Management | – Limiting need for revisions |
| Quality Control and Testing | – Validation of actual to specifications |
| Labor Relations | – Proactive resolution of potential issues |

# SECTION 1
# Particulars of Company

**Post-Construction**

| | |
|---|---|
| Commissioning | – Ensuring that building systems are designed, installed and activated according to owner's operational needs |
| Lien Releases | – Severing of contractual ties to vendors |
| O&M Manuals | – Development of operations and maintenance instructions |
| Final Closeout | – Completion of punch listed items |
| One-Year Walkthrough | – Final verification of operational status |

# SECTION 2
# Organization Chart



# SECTION 3
# Registration Certificate

وزارة التجارة والصناعة
Ministry of Commerce and Industry

## شهادة تسجيل فرع مؤسسة

الرقم: ٧٠٠٥٤٥٤٣٥٥ ٤٠٣٠٣٤٥٨٧٨
التاريخ: ١٤٣٦/١٢/٠١

اسم التاجر : هاشم خالد هاشم مدني
الجنسية : سعودي
تاريخ الميلاد : ١٣٩١
رقم السجل المدني / بطاقة الأحوال : ٠٠١٠٠٦٧٤٠١٢٨
تاريخه : ١٤٠٩/٠٧/٠٦
مصدره : جده
المركز الرئيسي : الرياض العليا طريق الملك فهد
ص.ب : ٥٤٩٩٥
الرمز البريدي : ١١٥٢٤
هاتف : ٤٩٠٣٧٤٣
فاكس :
رقم سجل المركز الرئيسي : ١٠١٠٢١٢٢٠٥
الاسم التجاري للفرع : مؤسسة توقد الاساس للمقاولات
العنوان : جدة الاندلس شارع النحلية
ص.ب : ٤٠٥٣٨
الرمز البريدي : ٢١٥١١
هاتف : ٢٨٣٤٣٨٥
فاكس :
النشاط : تمديد الانابيب باختلاف انواعها للكهرباء والاتصالات وغيرها و تمديد انابيب النفط والغاز و تمديد الاسلاك الكهربائية و تمديد اسلاك الاتصالات و تمديدات انابيب الغاز وصيانتها واصلاحها و تمديدات انابيب البخار وصيانتها واصلاحها و تمديدات انابيب الحريق وصيانتها واصلاحها و البنية التحتية لسكة الحديد ;;; < تعديل الاسم التجاري في ٢٨/٢/١٤٣٧هـ >

رأس المال : ١٠٠٠٠٠ مئة ألف ريال فقط لا غير
اسم المدير أو الوكيل المفوض : هاشم خالد هاشم مدني
الجنسية : سعودي
تاريخ الميلاد : ١٣٩١
رقم السجل المدني - الإقامة : ٠٠١٠٠٦٧٤٠١٢٨
تاريخه : ١٤٠٩/٠٧/٠٦
مصدره : جده
سلطات المدير

يشهد مكتب السجل التجاري بمدينة جـــدة بأنه تم تسجيل هذه المؤسسة بسجل مدينة جـــدة
وتنتهي صلاحية الشهادة في ١٤٣٧/١٢/٠١ بموجب الإيصال رقم: ٣٤٣٢٦٦١٥ و تاريخ : ١٤٣٦/١٢/٠١

الختم
مدير السجل التجاري: نايف صالح الطاسان
التوقيع:

يمكنك التحقق من صحة هذه الشهادة بالدخول على http://v.mci.gov.sa To Verify the information of this certificate visit

# SECTION 4
# Nature of Business

## ENGINEERING CAPABILITIES AND NATURE OF BUSINESS

Backed by years of experience as contractor in Mechanical and Electrical engineering installation works, our management team, technical staff and substantial skilled personnel at work sites poise to produce the best work performance and quality of work.

Our engineering capabilities as a contractor and nature of business include, but not limited to the following:

1. Transmission & Distribution Substation's Installation Works.
2. Power Generation.
3. Turbo, Diesel & Hydro Generating Power Plant.
4. Chemical, Refinery & Power Plant Elect. Control & Instrumentation Installation Works.
5. Supply, Installation, Testing & Commissioning of HV/LV Dist. Substation for Commercial Buildings, Factories, Water Treatment Plants & Electric Utilities.
6. Power Transformer Installation & Oil Purification.
7. Steel Structures & Pipe-lines, Tankages & Pressure Vessels.
8. Other Allied Industrial Plants.

In summarizing our area of experiences and activities, it can be said that our proven and experienced personnel are always in the position to service projects of varied nature and magnitude, through well-coordinated team effort, proper planning and quality control.

You can be assured that all works carried out are in the most efficient and economical manners.

**OUR WORK MOTTO – "YOU CAN RELY ON US" –**

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 1 | PRAI POWER STATION, STAGE 3<br>3 X 120MW Steam Boiler | BHEL – INDIA | 1,500,000.00 | 1977 | 1980 |
| 2 | PASIR GUDANG POWER STATION, PHASE 1<br>2 X 120MW Steam Boiler | BHEL – INDIA | 1,000,000.00 | 1980 | 1982 |
| 3 | KEMAMAN POWER STATION<br>3 X 2MW Diesel Generating Sets and 11kV Switchgear | Meidensha & Fuji Denki Japan | 78,350.00 | Apr- 82 | Jul - 82 |
| 4 | BERSIA HYDRO-PLANT<br>3 X 24 MW Generators & Auxiliary Elect. System | Siemens- Germany | 384,753.40 | Jun - 82 | Dec - 83 |
| 5 | PRAI POWER STATION, STAGE 3<br>6 units Circulating Water Pump | Kubota– Japan | 550,000.00 | 1982 | 1983 |
| 6 | PASIR GUDANG POWER STATION, PHASE 1<br>ASEA 132 kV Switchgear & Auxiliary | Plant Sweeden | 300,000.00 | 1982 | 1983 |
| 7 | TEMENGOR POWER STATION<br>Repair Hydro Turbine Wicket Gates (4 units) | Hitachi– Japan | 150,000.00 | 1982 | 1982 |
| 8 | RAKYAT KETENGAH OIL MILL<br>2 X 40,000 kg/hr water tube boiler | Yoshimine Boiler | 135,000.00 | Jan - 82 | Jul - 82 |
| 9 | FELDA TENGGAROH OIL MILL<br>18,000 kg/hr water tube boiler | Yoshimine Boiler | 135,000.00 | Nov - 82 | Jun - 83 |
| 10 | KAMPUMG LAMJUT SUBSTATION<br>33/11kV switchgear & cabling work | Fuji Electric | 49,149.00 | 1983 | 1983 |
| 11 | BERSIA HYDRO PLANT<br>3 X 30 MVA Power Transformer | Mitsubishi Electric | 82,600.00 | Jan - 83 | Jun - 83 |
| 12 | KENERING HYDRO PLANT<br>3 X 40 MW Generators & Auxiliary Elect. System | Siemens- Germany | 397,375.00 | Jan - 83 | Jun - 84 |
| 13 | PANJI ALAM OIL MILL<br>2 X 40,000 lb/hr water tube boiler | Yoshimine Boiler | 138,000.00 | Sep - 82 | Jun - 83 |
| 14 | FELDA SELANDANG OIL MILL<br>18,000 kg/hr water tube boiler | Yoshimine Boiler | 139,000.00 | Mar - 83 | Jul - 83 |
| 15 | SEH SDN.BHD<br>Water purification system | Kubota– Japan | 120,000.00 | 1984 | 1984 |
| 16 | SEH SDN.BHD<br>Water treatment plant | Kubota– Japan | 80,000.00 | 1984 | 1984 |
| 17 | J.K.R TERENGGANU<br>Water pumping station | United Engineer | 200,000.00 | 1984 | 1984 |
| 18 | GAS PANTAI TIMUR, KOTA BAHARU<br>Airseparatbn & acetylene plants | Nippon Denso | 175,000.00 | 1984 | 1984 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 19 | PORT KLANG POWER STATION, PHASE 1<br>4 units circulating water plant | Kubota – Japan | 536,740.00 | Jun - 84 | Apr - 85 |
| 20 | PORT KLANG POWER STATION, PHASE 1<br>Electro-chlorination plant | Daiki Engineering – Japan | 172,490.00 | 1984 | 1985 |
| 21 | KENYIR HYDRO PLANT<br>Auxiliary Mechanical System | Raunaq Inter'l | 189,500.00 | 1984 | 1985 |
| 22 | DAMANSARA HEIGHT S/T<br>33/11 kV switchgear & cabling work | Fuji Electric | 49,149.00 | 1984 | 1984 |
| 23 | RAUB OIL MILL<br>40,000 lb/hr water tube boiler | Yoshimine Boiler | 63,000.00 | Jan - 84 | Mar - 84 |
| 24 | KUCHING WATER BOARD – SARAWAK<br>Water treatment plant | Kubota – Japan | 165,040.00 | Aug - 84 | Jul - 85 |
| 25 | TEE THE OIL MILL<br>40,000 lb/hr water tube boiler | Yoshimine Boiler | 60,000.00 | Jan - 84 | Apr - 84 |
| 26 | CHIN TECK OIL MILL<br>30,000 lb/hr water tube boiler | Yoshimine Boiler | 60,000.00 | May - 84 | Aug - 84 |
| 27 | HEAVY OIL MILL<br>25,000 lb/hr water tube boiler | Yoshimine Boiler | 90,000.00 | Sep - 84 | Dec - 84 |
| 28 | PAKA POWER STATION<br>6 units circulating water pump | Kubota – Japan | 530,811.00 | 1985 | 1986 |
| 29 | KL NORTH AND CENTRAL TRANSMISSION DEVELOPMENT<br>132/33 kV and 33/11 kV transformer | Takaoka & Fuji Electric | 148,000.00 | Sep - 85 | Feb - 86 |
| 30 | SEONG THYE OIL MILL<br>12,000 kg/hr water tube boiler | Yoshimine Boiler | 163,000.00 | Apr - 85 | Sep - 85 |
| 31 | MALPOM OIL MILL<br>13,600 kg/hr water tube boiler | Yoshimine Boiler | 172,000.00 | Apr - 85 | Aug - 85 |
| 32 | SRI LINGGA OIL MILL<br>6,000 kg/hr water tube boiler | Yoshimine Boiler | 83,700.00 | Sep - 85 | Dec - 85 |
| 33 | M.P.MATHEW OIL MILL<br>20,000 kg/hr water tube boiler | Yoshimine Boiler | 285,600.00 | Mar - 86 | Jul - 86 |
| 34 | FELDA ADELA OIL MILL<br>2 X 40,000 lb/hr water tube boiler | Yoshimine Boiler | 73,200.00 | Oct - 86 | Mar - 87 |
| 35 | FELDA TENGGAROH OIL MILL<br>2 X 40,000 lb/hr water tube boiler | Yoshimine Boiler | 73,200.00 | Oct - 86 | Mar - 87 |
| 36 | FELDA SELANDANG OIL MILL<br>2 X 40,000 lb/hr water tube boiler | Yoshimine Boiler | 73,200.00 | Nov - 86 | 1987 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 37 | NEB NORTHERN DEVELOPMENT AREA<br>33/11 kV outdoor switchgear (9 sub-stations) | Siemens – India | 200,000.00 | 1987 | 1990 |
| 38 | SARAWAK ELECTRICITY BOARD<br>Deshon S/T, Kemantan S/T, Engkelli S/T<br>Takaoka Transformer installation work from<br>80 MVA to 1.375 MVA shunt reactor (12 units) | Fuji Electric | 394,000.00 | 1987 | 1989 |
| 39 | BOILER MAINTENANCE/REPAIR WORK<br>FOR THE DURATION OF 1987-1989 | Yoshimine Boiler<br>Dah Yung Boiler<br>Takuma Boiler<br>Clarke Chapman<br>Chiyoda Boiler | 765,706.95 | 1987 | 1989 |
| 40 | TUANKU JA'AFAR POWER STATION P.D<br>Maintenance work on 120 MW & 60 MW steam boiler | TNB | 249,737.92 | Jul - 88 | Jul - 89 |
| 41 | PERMINT PLYWOOD, TERENGGANU<br>Supply, fabricate & erect of 40,000 lb/hr boiler (H-6000C) | Yoshimine Boiler | 237,998.00 | May - 88 | Feb - 89 |
| 42 | KUALA LUMPUR EAST S/T<br>2 X 240 MVA & 2 x 90 MVA transformer | Osaka Transformer | 54,000.00 | Jul - 88 | Sep - 88 |
| 43 | KENERING HYDRO PLANT<br>3 X 50 MVA power transformer | Mitsubishi Electric | 82,000.00 | Apr - 88 | Oct - 88 |
| 44 | PERMINT PLYWOOD, TERENGGANU<br>Supply, fabricate, & erect of 40, 000 lb/hr boiler | Yoshimine Boiler | 237,998.00 | May - 88 | Feb - 89 |
| 45 | Water Injection Project Habshan UAE, responsible for all Mechanical & E.C & I installation | Water Injection Project Habshan | 90,000,000.00 USD | 1988 | 1993 |
| 46 | E.C & I, installation at Ryehouse, UK 750 MW<br>Combined cycle power plant | Combined cycle power plant | £20,000,000.00 | 1988 | 1993 |
| 47 | E.C & I, installation at Killingholme, UK 1100MW<br>Combined cycle power plant | Combined cycle power plant | 45,000,000.00 USD | 1988 | 1993 |
| 48 | M&E services, for a Japanese Ball Bearing Manufacturing Plant, Dodsworth. UK | Japanese Ball Bearing | £68,000,000.00 | 1988 | 1993 |
| 49 | E.C & I installation for experiential chemical plant, Merck Sharpe & Dhome, Enfield UK | Merck Sharpe & Dhome, Enfield UK | £2,000,000.00 | 1988 | 1993 |
| 50 | M&E installation for corporation HQ (Cable & Wireless Ltd) Holborn, London UK | (Cable & Wireless Ltd) Holborn | £32,000,000.00 | 1988 | 1993 |
| 51 | HOKUSHIN SDN.BHD, SHAH ALAM<br>2 X 2000 lb/hr robey boiler piping & machinery Installation work | IBAE Boiler | 417,484.00 | Feb - 89 | Dec - 89 |
| 52 | KARIMOKU RUBBER WOOD FACTORY, MALACCA<br>7,000 kg/hr water tube boiler | Takahashi Boiler | 161,115.00 | Jun - 89 | Dec - 89 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 53 | BOILER MAINTENANCE/REPAIR WORK FOR THE YEAR OF 1990 | Yoshimine Boiler<br>Maxitherm Boiler<br>Takuma Boiler<br>B & W Boiler<br>Mechmar Boiler<br>Allen Ignis Boiler<br>ISGEC John Thompson India | 1,403,422.00 | Jan-90 | Dec-90 |
| 54 | MALAYSIA FIBRE BOARD<br>Supply, fabricate & installation of 15,000 kg/hr boiler | Yoshimine Boiler | 602,502.00 | Aug-90 | Jul-91 |
| 55 | TUANKU JAAFAR POWER STATION<br>Maintenance work | TNB | 210,792.00 | Jan-90 | Dec-90 |
| 56 | SG.MATI SUB-STATION MUAR<br>Installation of 2 x 30 MVA 132/33 kV Transformer | ABB Sweden | 36,000.00 | 1990 | 1990 |
| 57 | STULANG DARAT SUB-STATION – JOHOR BAHRU<br>Installation of 2 x 60 MVA 132/33kV Transformer | ABB Sweden | 40,500.00 | 1991 | 1991 |
| 58 | SARAWAK ELECTRICITY SUPPLY BOARD<br>Installation of 2 x 120 MVA, 30 MVA, 15 MVA, & 5 MVA Transformer & Shunt Reators for Bintulu & Sibu Oya Road Sub-station | Meidensha | 221,820.00 | 1991 | 1991 |
| 59 | CONNAUGHT BRIDGE POWER STATION<br>Gas conversion project 2 x 100 MW Turbine | Siemens AG | 266,648.00 | Sep-91 | Apr-92 |
| 60 | TUANKU JA'AFAR POWER STATION<br>Re-heater tube repair & fuel oil line replace work for boiler no. 5 & no. 2 | TNB | 59,285.00 | May-91 | Jul-91 |
| 61 | BOILER MAINTENANCE / REPAIR WORK FOR THE YEAR OF 1991 | Yoshimine Boiler<br>Maxithern Boiler<br>B&W Boiler<br>ISGEC John Thompson India<br>Mechmar Boiler | 1,118,635.00 | Jan-91 | Nov-91 |
| 62 | DAIEI KOGYO SDN.BHD.MALACCA<br>Supply of 5,000 lb/hr boiler & machinery & piping system | Mechmar Boiler | 363,953.00 | Jun - 91 | Jul - 91 |
| 63 | GULA PADANG TERAP – KEDAH<br>Supply, fabricate & install 80 ton/hr boiler, H2200 | Yoshimine Boiler | 591,912.00 | Jun - 91 | 1992 |
| 64 | TUANKU JAAFAR POWER STATION, P.DICKSON<br>Power Plant rehabilitation & gas conversion<br>Elect. Control & Instrument work | Siemens AG | 3,000,000.00 | 1992 | 1995 |
| 65 | TAITEC INDUSTRIES S/B – CHEMOR, PERAK<br>Supply, fabricate & install wood chip firing Boiler KHT100 | Takashi Boiler Japan | 67,700.00 | Feb - 92 | 1992 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 66 | BOILER MAINTENANCE/REPAIR WORK FOR THE YEAR OF 1992 | Ibae Boiler Mechmar Boiler Yoshimine Boiler Cochran Boiler Scotland Meidensha & Nigata | 596,375.40 | Jan - 92 | Nov - 92 |
| 67 | MALAYSIA SHEET GLASS, PASIR GUDANG 2 X 2500Kw Diesel generating plant c/w Associated equipment & piping system | Meidensha & Nigata | 177,000.00 | Sep - 92 | Mar - 93 |
| 68 | TUANKU JA'AFAR POWER STATION, P. DICKSON, PASIR GUDANG POWER STATION, JOHOR CONNAUGHT BRIDGE POWER STATION, KLANG Maintenance work | TNB | 619,706.00 | Mar - 92 | Nov - 92 |
| 69 | HUALON TEXTILE, NILAI Supply & constructing 3 units of Chimney 50M Yoshimine Boiler for boiler | Hualon | 110,340.00 | Jun - 92 | Aug - 92 |
| 70 | GULA PADANG TERAP BHD, KUALA NERANG To supply necessary steel & cast iron materials, fabricate, install & commissioning of one unit of Yashimine Boiler H2200 | Kumpulan Cheminner Eng. S/B | 1,846,680.00 | Jan - 93 | Sep - 93 |
| 71 | MAJLIS PERBANDARAN KUALA TERENGGANU Retubing work for one unit 9 MW boiler | Yoshimine Boiler | 63,000.00 | May - 93 | Jun - 93 |
| 72 | TEE THE PALM OIL MILL H-375 Boiler retubing work | Yoshimine Boiler | 53,000.00 | Aug - 93 | Sep - 93 |
| 73 | DAIEI KOGYO (M) SDN.BHD Fabrication & installation of one unit of mild steel vulcanizer | Daiei Kogyo | 57,000.00 | Mar-93 | Apr-93 |
| 74 | PROTON NOISE LAB. SHAH ALAM Installation of Dynamometer & compressor air system | Meiden Electric | 133,300.00 | Nov - 93 | Feb - 94 |
| 75 | SULTAN SALAHUDDIN ABDUL AZIZ POWER ST. Extension of ash slurry pipeline, Port Klang | Sukitronics S/B | 203,740.00 | 1993 | 1994 |
| 76 | METRO PACIFIC SDN.BHD, KUALA TERENGGANU Supply necessary steel & cast iron material, fabricate, installation and commissioning one unit of water tube boiler H600 | Kump, Cheminner Eng. S/B | 376,578.00 | 1993 | Sep - 93 |
| 77 | PRAI POWER STATION Power plant rehabilitation & gas conversion Elect. Control & Instrument work | Siemens AG | 1,500,000.00 | 1993 | 1996 |
| 78 | Responsible for Independent Power Producer, Sabbah execution of Building works, installation of M&E Equipment and E&I installation for the 120 MW open Cycle power plant, East Malaysia | Open Cycle power plant | 130,000,000.00 RM | 1993 | 1997 |
| 79 | Responsible for E&I installation for Segari Power Plant, Lumut (1300 MW) Malaysia | Segari Power Plant | 20,000,000.00 RM | 1993 | 1997 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 80 | For complete Mechanical, E&C & I and ancilliary equipment Erection for 300MW Simple Cycle Power Plant, Serdang Malaysia | Simple Cycle Power Plant | 300,000,000.00 RM | 1993 | 1997 |
| 81 | Responsible for M&E Services and E&I installation at Paka, (900MW) and Pasir Gudang (450MW) Power Plants Malaysia. | Power Plants Malaysia | 60,000,000.00 RM | 1993 | 1997 |
| 82 | KOMPLEKS PLN CHANGKAT LADA & ULU REDAP, PERAK<br>Supply, fabrication & installation of 50 ton X 8 nos. mill day bin steel structure | Kump. Chemineer Eng. S/B | 650,000.00 | 1994 | 1995 |
| 83 | TUANKU JAAFAR POWER STATION<br>Maintenance on Boiler 6&7 | TNB | 345,230.00 | Feb - 94 | Nov - 94 |
| 84 | PAKA POWER PLANT, TERENGGANU<br>Transformer oil treatment work | Meidensha | 27,000.00 | Sep - 94 | Oct - 94 |
| 85 | PAKA CCPP<br>2 X 168MVA transformer, filtration & VACUUMING | Siemens/YTL | 69,000.00 | 1994 | Sept - 95 |
| 86 | Melut Basin, Bashhayer 2 Marine Terminal Facilities Sudan. | Melut Basin | 232,000,000.00 USD | 1994 | 2006 |
| 87 | Procurement, Installation, Testing and Commissioning For all M&E and related services at Petronas 304 bed State of the Art, Hospital in Kuala Lumpur, Malaysia | Petronas | 233,000,000.00 RM | 1994 | 2006 |
| 88 | Pan Pacific Hotel, KLIA | Pan Pacific Hotel | 50,000,000.00 USD | 1994 | 2006 |
| 89 | Procurement, and Installation of M&E Services Type K Buildings at Manjung 2100MW Coal Fired Power Plant, Maysia. | Coal Fired Power | 80,000,000.00 RM | 1994 | 2006 |
| 90 | All Substations/Field Auxiliary Buildings, for Malaysia Liquefield Natural Gas Project in Bintulu, Sarawak, East Malaysia | Malaysia Liquefield Natural Gas Project | 43,000,000.00 RM | 1994 | 2006 |
| 91 | Overall responsibility for successful completion Civil, Building and M&E Services work at Ammonia Syngas Project at Kerteh Malaysia | Ammonia Syngas Project | 25,000,000.00 RM | 1994 | 2006 |
| 92 | Malaysia Airline Systems Support Facility and Fit-Out Works at KLIA (Sepang), Malaysia | Malaysia Airline Systems | 60,000,000.00 RM | 1994 | 2006 |
| 93 | LUMUT CCGT – EC & INSTALLATION<br>Erection of 6 x 168 MVA transformer, filtration, vacuuming & 6 x 11kV Al. Busducts | Peremba – Kentz | 600,000.00 | 1995 | 1996 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 94 | HANDUK MACHINERY (M) SDN.BHD<br>Supply & fabrication of steel pallets | Handuk Korea | 216,548.00 | Mar - 95 | 1995 |
| 95 | SULTAN ISKANDAR POWER STATION,<br>PASIR GUDANG<br>Power plant rehabilitation & gas conversion,<br>elect. Control & instrumentation work | Siemens AG | 1,000,000.00 | Apr - 95 | Jul - 96 |
| 96 | SULTAN ISKANDAR POWER STATION,<br>PASIR GUDANG<br>Furnace water wall tubes fins & skin casing<br>damaged/burnt out repairs work | TNB | 23,000.00 | May - 95 | 1995 |
| 97 | HICOM SHAH ALAM 275KV SUB-STATION<br>2 X 240 MVA power transformer, filtration &<br>vacuuming | ABB | 30,000.00 | Jul - 95 | Aug - 95 |
| 98 | GENTING SANYEN – 132/275KV SALAK<br>TINGGI SUB-STATION<br>2 X 30MVA power transformer, filtration & vacuuming | ABB | 18,000.00 | Jul - 95 | Aug - 95 |
| 99 | 132/25KV KTM SOUTH SUB-STATION<br>2 X 25MVA transformer, filtration & vacuuming | ABB | 18,000.00 | Jul - 95 | Aug - 95 |
| 100 | BOILER MAINTENANCE/REPAIR WORK<br>FOR THE YEAR OF 1995 | TNB | 104,650.00 | Jan - 95 | May - 95 |
| 101 | PASIR GUDANG CCPP, JOHOR<br>Instrumentation piping work | Meiden | 45,000.00 | Oct - 95 | Nov - 95 |
| 102 | CONNAUGHT BRIDGE POWER STATION, KLANG<br>WHB 2 Header caps inspection work | TNB | 12,600.00 | Nov - 96 | Dec - 96 |
| 103 | TORAY PLASTIC (M) SDN.BHD MT3 PRAI,<br>PENANG<br>Installation of 2000kW Diesel generator set<br>With auxiliary equipment | Meiden | 270,000.00 | Jan - 96 | Apr - 96 |
| 104 | CCMC CHLOR – ALKALI PROJECT, JOHOR<br>Installation of rectifier transformer & al.Bushar<br>c/w accessories | Meiden | 84,000.00 | Jun - 96 | Oct - 96 |
| 105 | 275KV JURU OUTDOOR SWITCHING<br>STATION, PENANG<br>Installation of 1 x 100MVAR & 2 x 40 MVAR<br>shunt reactors | PSE<br>(Siemens/TNB) | 63,000.00 | 1996 | 1996 |
| 106 | 132/33 KV GAS-SUB-STATION BAYAN LEPAS, PENANG<br>Erection of 2 x 90 MVA 132/33kV; 2 x 30 MVA<br>132/11kV power transformers; 2 x 250 kVA<br>33/0.415kV earthing transformers | PSE<br>(AMBC/TNB) | 148,000.00 | Sep - 96 | Nov - 96 |
| 107 | TNB 306495<br>PASIR PANJANG 132/11KV SUB-STATION<br>SG.SEMENYIH 132 KV (EXTENSION)<br>SUB-STATION<br>Supply & erection of 132/11kv transmission equipment | ABB/TNB | 415,000.00 | 1996 | 1998 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 108 | APMC KANTHAN<br>2 X 48MVA transformer vacuuming & oil purification work | Pauwels Belgium | 24,000.00 | 1996 | 1996 |
| 109 | TNB CONTRACT 171/96<br>(TNB 310895 – MAINHEAD) OIL<br>PURIFICATION BUKIT KAYU HITAM<br>SUB-STATION<br>Erection & oil purification for 2 x 132/33kV<br>90MVA transformer, 2 x 132/11kV 39 MVA transformer | EPE Reyrolle | 123,600.00 | 1997 | 1997 |
| 110 | BUKIT RAJA MALAYSIAN STEEL MILL<br>Vacuuming & oil purification work for<br>132/11kV 1 x 80 MVA power transformer | Siemens | 50,000.00 | 1997 | 1997 |
| 111 | SINGAPORE AROMATIC PROJECT, PULAU<br>AYER CHAWAN, SINGAPORE<br>Elec. & Instrumentation works. | Siemens<br>(MSW Joint<br>Venture) | 3,000,000.00 | 1997 | 1997 |
| 112 | MEGASTEEL/AMSTEEL PLANT AT KUALA<br>LANGAT, SELANGOR<br>Erect of 6 x 180 MVA 275/33kV; 5 x 30/45MVA<br>33/11kV power transformers | Megasteel /<br>Amsteel<br>Siemens | 426,000.00 | 1997 | Jun - 98 |
| 113 | MMT DESIGN & CONSTRUCTION OF NEW<br>OFFICE, PAINT & FABRICATION FACILITY<br>ON PART OF LOT 9258 NILAI, NEGERI SEMBILAN<br>Supply & installation of firefighting services &<br>All associated works. | Transfield<br>Projects | 351,826.00 | Jan - 98 | Jul - 98 |
| 114 | 120MW POWER DEVELOPMENT SABAH IPP<br>HV, LV Elect, instrumentation, Testing &<br>Commissioning work | Powertron /<br>PKESB | 2,400,000.00 | Nov - 97 | May - 98 |
| 115 | TNB NO. 332595 132/11KV PAGOH SUB-STATION<br>Installation of elect. Works | Projass / TNB | 51,000.00 | Nov - 97 | 1998 |
| 116 | TNB CONTRACT 114/96<br>(TNB 306495 – MHC)<br>Filtration & vacuuming of 132/11kV 2 x 30MVA<br>power transformers at Seremban 2 | EPE Reyrolle | 30,000.00 | Apr - 98 | May - 98 |
| 117 | MEGASTEEL SDN, BHD, KUALA LANGAT<br>Assembly, testing & commissioning of 6 units<br>Siemens 11.5 MVA transformers at finishing<br>Mill switch house | Megasteel | 115,000.00 | Nov - 97 | Jun - 98 |
| 118 | ABB 180MVA TRANSFORMER AT SSAAPS,<br>PHASE 3 KAPAR<br>Vacuuming & circulation of power transformers | TBV Power | 10,000.000 | Jun - 98 | Jun - 98 |
| 119 | TNB 1227/96 LEMBAH BERINGIN 275 KV S/S<br>Erection of 2 x 240MVA; 2 x 90MVA; 2 x30MVA<br>power transformers | EPE Reyrolle | 185,000.00 | Apr - 98 | Dec - 98 |
| 120 | Supply and installation of duct and Desert water cooler | Mini tent project<br>Ministry of<br>public work | 700,000.00 | 1998 | 2000 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 121 | MCF 8 – 12/14 MVA TRANSFORMER<br>Re-energising & treater #5 elect. Work | Mesceong (M) S/B | 126,240.00 | Jan - 99 | Mar - 99 |
| 122 | CONTRACT NO. 1226/96, TNB 310295 –<br>MAINHEAD "A" MAX HARTA AND TELUK<br>PANGLIMA GARANG'S SUB-STATION<br>Erection of 4 x90 MVA 33/132kV & 4 x 30MVA<br>11/132kV power transformer | EPE Reyrolle (M) S/B | 228,000.00 | Jun - 99 | Feb - 00 |
| 123 | MVF PROTON – GX PROJECT, SHAH ALAM<br>Supply & installation for the new machine<br>at the paint shop | Meiden | 75,000.00 | Aug - 99 | Sep - 99 |
| 124 | MOTOROLA (M) SDN.BHD<br>Installation of HT equipment & cabling work | Mayplus Corporation | 77,760.00 | Jul - 99 | Dec - 99 |
| 125 | KHTP INDEPENDENT POWER UTILITY<br>PROJECT, KULIM<br>Supply & installation of earthing system | Mudajaya Corporation | 212,843.00 | Oct - 99 | Mar - 01 |
| 126 | PROTON UTILITIES FOR M41 SATELITE<br>LINE SHAH ALAM<br>Supply and installation of lighting and<br>small power | Meiden | 89,366.00 | Oct - 99 | Nov - 99 |
| 127 | Supply and installation of HVAC system<br>Packaged mini split ducting system | Zulfi 150 bed hospital<br><br>Ministry of health | 800,000.00 | 1999 | 2001 |
| 128 | PROTON ELECTRICAL SUPPLY FOR M27<br>NEW LINE AT JIG SHOP<br>Supply, testing & commissioning of 1000 AMP Busduct | Meiden | 91,000.00 | Feb - 00 | Apr - 00 |
| 129 | PROTON, SHAH ALAM<br>Electrical supply for Re-locate Battery<br>Charger at Forklift Repair Shed | Meiden | 47,000.00 | Mar - 00 | Apr - 00 |
| 130 | COMMERCIAL MINERAL MALAYSIA SDN.BHD<br>PASIR GUDANG, JOHOR<br>Supply & installation of electrical and fire<br>Fighting services & all associated works | Transfield<br>Projects | 72,012.00 | Jul - 00 | Oct - 00 |
| 131 | SECTION U5, SHAH ALAM, MUKIM<br>SG.BULOH, SELANGOR<br>Construction, completion and maintenance<br>of earth work and other associated work for<br>proposed low cost and medium cost apartment | Agmal Development<br>Sdn.Bhd | 863,015.00 | Jun - 00 | Sep - 00 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 132 | TG.LANGSAT COGENERATION PROJECT, JOHOR<br>Mechanical equipment installation in turbine area | OGP Techincal Services Sdn.Bhd | 280,000.00 | Aug - 00 | Sep - 00 |
| 133 | DESIGN & BUILT SCHOOL PROJECT DANAU KOTA FOR MOE<br>Supply, installation & commissioning of Electrical, Telephone, Lightning Protection, Earthing, P.A System, Fire Protection System, Hydrant & Plumbing Services. | Juara Prestasi Sdn.Bhd | 1,500,000.00 | Aug - 00 | Oct - 04 |
| 134 | Supply and installation of HVAC system (chiller, FCU, AHU, packaged mini split ducting system) | Kingdom trade center<br>Kingdom holding Co | 1,800,000.00 | 2000 | 2002 |
| 135 | Supply and installation of HVAC system (chiller, FCU, AHU, packaged mini split ducting system) | 100 Bed prince musad bin jalwi hospital<br>Ministry of health | 4,130,000.00 | 2000 | 2002 |
| 136 | Supply and installation of HVAC system (chiller, FCU, AHU, packaged mini split ducting system) | Haqal general hospital<br>Ministry of health | 900,000.00 | 2000 | 2002 |
| 137 | PROPOSED CONSTRUCTION & COMPLETION OF 8 BLOCKS OF 7 STOREY LOW MEDIUM COST APARTMENT AT BANDAR PINGGIRAN SUBANG SEKSYEN U5 SHAH ALAM, SELANGOR.<br>Supply, installation, testing & commissioning of Electrical, Telephone, MATV, Fire Protection & Street Lighting Systems | Agmal Development Sdn.Bhd | 4,013,405.60 | Apr - 01 | Mar - 04 |
| 138 | RAAF Base, BUTTERWORTH, PENANG<br>Supply, installation, testing, commissioning of Electrical, Instrumentation, Fire Protection Services, Compress air piping, air-conditioning & ventilation in Fuel Farm & Building Area | Transfield Project (M) Sdn.Bhd | 1,297,611.40 | Sep - 01 | Mar - 02 |
| 139 | POWER HOUSE PROTON FACTORY AT SHAH ALAM, DELANGOR<br>Supply, installation, testing & commissioning of Electrical Services | Meiden Electric Engng. Sdn.Bhd | 126,000.00 | Nov - 01 | Jun - 02 |
| 140 | Supply and installation of HVAC system (chiller, FCU, AHU, packaged mini split ducting system) | Prince sultan city for humanitarian | 340,000.00 | 2001 | 2003 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 141 | Supply and installation of HVAC system<br>Packaged mini split ducting system | Residential building for staff<br>Prince sultan city for humanitarian | 450,000.00 | 2001 | 2003 |
| 142 | Supply and installation of HVAC system<br>Packaged mini split ducting system | Hail technical college<br>General organization for tech education | 1,200,000.00 | 2001 | 2003 |
| 143 | Supply and installation of HVAC system<br>Packaged mini split ducting system | Tabouk technical college<br>General organization for tech education | 1,500,000.00 | 2001 | 2003 |
| 144 | SEMANGAR WATER SUPPLY SCHEME<br>Supply, deliver, installation, testing & commissioning and maintenance of Plumbing, Air-conditioning Ventilation and Fire Protection services | Ranhill Civil/ Kejuruteraan R.E Morris Sdn.Bhd | 910,000.00 | Jun - 02 | Oct - 03 |
| 145 | Supply and installation of HVAC system<br>Packaged mini split ducting system | Abbar & zainy cooled store | 350,000.00 | 2002 | 2004 |
| 146 | Supply and installation of HVAC system<br>Packaged mini split ducting system | Arab national bank | 1,100,000.00 | 2002 | 2004 |
| 147 | Supply and installation of HVAC system<br>Packaged mini split ducting system | Extenxion of malaz jail<br>Ministry of interior | 1,200,000.00 | 2002 | 2004 |
| 148 | Supply and installation of HVAC system<br>Packaged mini split ducting system | King Abdu Aziz welfare center<br>Tabuok governor house | 350,000.00 | 2002 | 2004 |
| 149 | TETUAN SUTERA CERIA<br>PROPOSED CONSTRUCTION FOR SINGLE STOREY WAREHOUSE AND 4 STOREY OFFICE LOT<br>AT BANGI, SELANGOR<br>Supply, delivery, installation, testing and Commissioning of electrical, telephone, air-conditioning and mechanical ventilation system | Sutera Ceria Sdn.Bhd. | 1,138,000.00 | Apr - 03 | May - 05 |
| 150 | SG. MUAR BRIDGE – PACKAGE H1<br>Supply labour, testing & commissioning of electrical services to bridge over Sungai Muar | Ranhill Civil/ Kejuruteraan R.E. Morris Sdn.Bhd. | 329,900.00 | Jun - 03 | Oct - 03 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 151 | NEW LABIS WATER TREATMENT PLANT-<br>PACKAGE 3 (BUILDING SERVICES)<br>Supply, delivery, installation, testing and commissioning, of Electrical Services,<br>Fire Protection, ACMV, Cold Water, Plumbing & Sanitary Services. | Ranhill Civil/<br>Kejuruteraan R.E. Morris Sdn.Bhd. | 700,000.00 | Sep - 03 | Oct - 05 |
| 152 | Supply and installation of HVAC system (chiller, FCU, AHU, packaged mini split ducting system) | MODA 50 Bed hospital<br><br>Ministry of defense & Aviation | 1,500,000.00 | 2003 | 2005 |
| 153 | Supply and installation of HVAC system (chiller, FCU, AHU, packaged mini split ducting system) | Technical collage general organization<br><br>For education and vocational training | 900,000.00 | 2003 | 2005 |
| 154 | SSU MATSUSHITA (MECOM) AT NEW SEAPARK<br>Supply, Installation & Commissioning of 33KV XLPE underground cable in Peninsular Malaysia Package “A” | Kejuruteraan R.E. Morris Sdn.Bhd. | 1,046,480.00 | Feb - 04 | Sep - 04 |
| 155 | MANTISSA INSTITUTE AT TTDI, KUALA LUMPUR<br>Supply, delivery, installation, testing and commissioning of Electrical Services | Mantissa Institute | 61,300.00 | Feb - 04 | Feb - 04 |
| 156 | NAZA AUTOMOTIVE MANUFACTURING PLANT<br>AT GURUN, KEDAH<br>HT & Electrical installation and associated services | Kejuruteraan R.E. Morris Sdn.Bhd. | 347,200.00 | Mar - 04 | Apr - 04 |
| 157 | SESC SHAH ALAM<br>Supply, delivery, installation, testing and commissioning of Mechanical Ventilation & Electrical Services | Sumitomo Electric Sintered Components (Malaysia) Sdn.Bhd. | 37,030.00 | May - 04 | May - 04 |
| 158 | (PCSBW SHOP) FOR PERODUA FACTORY<br>AT SG CHOH, RAWANG SELANGOR<br>Supply, delivery, installation, testing and commissioning of Electrical Services | Meiden Electric Engineering Sdn Bhd | 22,000.00 | May - 04 | May - 04 |
| 159 | HOKUSHIN (M) SDN SHAH ALAM<br>Supply, delivery, installation, testing and commissioning of Electrical Services | Meiden Electric Engineering Sdn Bhd | 64,000.00 | Jun - 04 | Jun - 04 |
| 160 | Supply and installation of HVAC system<br>Packaged mini split ducting system | Riyadh Cement company | 117,000.00 | 2004 | 2006 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 161 | Supply and installation of HVAC system (chiller, FCU, AHU, packaged mini split ducting system) | General organization for technical<br>Education and vocational training | 670,000.00 | 2004 | 2006 |
| 162 | Supply and installation of HVAC system (chiller, FCU, AHU, packaged mini split ducting system) | General organization for technical<br>Education and vocational training | 2,095,000.00 | 2004 | 2006 |
| 163 | 3 x 700MW COALED FIRED TANJUNG BIN POWER PLANT<br>Supply, delivery, installation, testing and commissioning of Electrical & Telecommunication Services | Kejuruteraan R.E. Morris ASAS JV | 9,392,665.00 | Mar - 05 | May - 08 |
| 164 | WATER WORKS GREATER PROJECT PHASE 2<br>CONSTRUCTION AND COMPLETION WATER DAM AT SUNGAI CHEREH, KUANTAN<br>Supply, delivery, installation, testing and commissioning of Electrical Services | AAY_MMN JV | 5,853,915.00 | May - 05 | Aug - 08 |
| 165 | TETUAN SUTERA CERIA SDN BHD<br>PROPOSED EXTENSION FOR 2-STOREY FACTORY AND 2 STOREY OFFICE AT EXISTING OFFICE/WAREHOUSE AT BANGI, SELANGOR<br>Supply, delivery, installation, testing and commissioning of Electrical Services. | Sutera Ceria | 500,000.00 | Oct - 05 | Jul - 06 |
| 166 | Supply & Installation of HVAC System and Firefighting system | SECECO Sustation Doadmi | 400,000.00 | 2005 | 2007 |
| 167 | Supply & Installation of HVAC System and Firefighting system | SECECO 33 KV Substation Tabrjal | 250,000.00 | 2005 | 2007 |
| 168 | Supply & Installation of HVAC System and Firefighting system | Ministry of Higher Education | 400,000.00 | 2005 | 2007 |
| 169 | Motorola Manufacturing Plant, Chennai | Motorola Manufacturing Plant | 80,000,000 USD | 2006 | 2007 |
| 170 | Supply and installation of Chilled water piping and all required Fittings and AHU Installation | Old Factory<br>Al-OBIEKAN ELOPAK Factory for packaging Co. | 175,000.00 | 2006 | 2008 |
| 171 | Supply & Installation of Chilled water piping and ducting, D.D.C Control Complete HVAC System | Science College ZULFI<br>Ministry of Higher Education | 9,510,540.00 | 2006 | 2008 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 172 | Supply & Installation of ducting and complete HVAC System | King Faisal University Permanent Campus<br>Ministry of Higher Education | 8,207,430.00 | 2006 | 2008 |
| 173 | Supply & Installation of ducting and complete HVAC System | Handicap Center Jeddah<br>Ministry of Social Welfare | 1,900,000.00 | 2006 | 2008 |
| 174 | Supply & Installation of Chilled water piping and ducting, D.D.C Control complete HVAC System | Girls High Technical College HAIL<br>Technical and Vocational Training Corporation | 3,421,980.00 | 2006 | 2008 |
| 175 | Supply & Installation of Chilled water piping and ducting, D.D.C Control complete HVAC System | HAIL University Engineering College<br>Ministry of Higher Education | 43,137,865.00 | 2006 | 2008 |
| 176 | Supply & Installation of Chilled water piping and ducting, D.D.C Control complete HVAC System | TABOUK University Science College<br>Ministry of Higher Education | 34,032,845.00 | 2006 | 2008 |
| 177 | Supply & Installation of complete air compressed System | Bisha Technical College (BISHA)<br>Ministry of Higher Education | 273,000.00 | 2006 | 2008 |
| 178 | Supply & Installation of Plumbing, HVAC ducting and Fire Fighting System | E.O.D | 485,000.00 | 2006 | 2008 |
| 179 | Supply and installation of Stainless Steel Pipe Steam Network | King FAHD 500 Bed Hospital Tabouk<br>Ministry of Health | 1,392,942.00 | 2006 | 2008 |
| 180 | Supply & Installation of HVAC System | Vocational Training Center SHARORA<br>Technical and Vocational Training Corporation | 2,378,540.00 | 2006 | 2008 |
| 181 | Supply & Installation of HVAC System | Techical College QURAYYAT<br>Technical and Vocational Training Corporation | 4,781,654.00 | 2006 | 2008 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 182 | Supply & Installation of Chilled water piping and ducting, D.D.C Control complete HVAC System | Girls High Technical College HAIL<br>Technical and Vocational Training Corporation | 3,421,980.00 | 2006 | 2008 |
| 183 | PROPSEDCONSTRUCTION BUILDING FOR 10 UNIT 3 ½ STOREY OFFICE SHOPLOT & 10 STOREY BUILDING DAERAH PETALING, SELNAGOR DARUL EHSAN. Supply, delivery installation, testing and commissioning of Electrical Services | Mandarin Purpose Sdn.Bhd. | 1,230,000.00 | May - 07 | May - 09 |
| 184 | KINA BIOPOWER 11.5MW EFB POWER PLANT PROJECT, SANDAKAN, SABAH Supply, delivery, installation, testing and commissioning of Mechanical Services | Meiden Electric Engineering Sdn.Bhd. | 2,448,000.00 | Aug - 07 | Aug - 08 |
| 185 | SEGUNTOR BIOPOWER 11.5MW EFB POWER PLANT PROJECT, SANDAKAN SABAH Supply, delivery, installation, testing and commissioning of Mechanical Services | Meiden Electric Engineering Sdn.Bhd. | 2,408,860.00 | Oct - 07 | Mar - 09 |
| 186 | KSA design Team Leader | | 1,200,000,000.00 | 2007 | 2008 |
| 187 | Supply & Installation of Air Cooled Chillers System | AL SAFI YOGHURTS FACTORY | 21,300,000.00 | 2007 | 2009 |
| 188 | Supply & Installation of HVAC System for Clean Room Facility | Deef Pharmacy Factory<br>Deef Pharmacy Co. Ltd | 13,100,000.00 | 2007 | 2009 |
| 189 | Supply & Installation of Air Cooled Chillers AND HVAC System | Swaiket dates Factory<br>Al Swaiket Farm | 10,700,000.00 | 2007 | 2009 |
| 190 | Supply & Installation of Complete Electro-Mechanical Works | Technical College Qwayayah<br>Techinical and Vocational Training Corporation | 46,400,000.00 | 2007 | 2009 |
| 191 | Supply & Installation Computer Room System | JEDDAH LAB<br>AL OMAR | 7,760,000.00 | 2007 | 2009 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 192 | Supply & Installation of Chilled water piping and ducting, D.D.C Control Complete HVAC System | University Science & Business College<br><br>Ministry of Higher Education | 22,800,000.00 | 2007 | 2009 |
| 193 | PROPOSED CONSTRUCTION FOR DOUBLE STOREY BANGLO HOUSE WITH BASEMENT<br>AY TROPICANA GOLF & COUNTRY RESORT,<br>PETALING JAYA, SELANGOR<br>Supply, delivery, installation, testing and commissioning of Electrical LV, Communication & Aircond System | Mr. Andrew M.S. Tan | 179,000.00 | Mar - 08 | Aug - 08 |
| 194 | INDUCTION FURNACE MINI MILL PROJECT<br>AT BERANANG, SELANGOR<br>HT Electrical And Associated Works | Spring Bond Sdn Bhd | 657,204.00 | May - 08 | Aug - 08 |
| 195 | INDUCTION FURNACE MINI MILL PROJECT<br>AT BERANANG, SELANGOR<br>Supply, delivery, installation, testing and commissioning of Electrical LV System | Spring Bond Sdn Bhd | 665,456.00 | Jun - 08 | Sep - 08 |
| 196 | INDUCTION FURNACE MINI MILL PROJECT<br>AT BERANANG, SELANGOR<br>Supply, delivery, installation, testing and commissioning of Hydrant & Water Reticulation Works System | . Spring Bond Sdn Bhd | 120,000.00 | Aug - 08 | Mar - 09 |
| 197 | INDUCTION FURNACE MINI MILL PROJECT<br>AT BERANANG, SELANGOR<br>Supply, delivery, installation, testing and commissioning of Process Water Piping System | Spring Bond Sdn Bhd | 650,000.00 | Aug - 08 | Mar - 09 |
| 198 | 2 x 50 storey Hotels for the Marriott Group.<br>Responsible for all MEP Services from installation through to Commissioning | Marriott Group | 8,000,000,000.00 | 2008 | 2009 |
| 199 | Responsible for managing all design output. | | 1,200,000,000.00 RYS | 2008 | 2009 |
| 200 | 5 Star Condominiums & Hotel on Palm Island, Dubai | | 6,000,000.00 | 2008 | 2009 |
| 201 | Royal Amwaj Hotel & Spa, Palm Island Dubai 6 Star (Contrat Value 100m USD) | Royal Amwaj | 100,000,000.00 USD | 2008 | 2011 |
| 202 | Turn Key Job | Avalon Pharmacy. Factory<br><br>AVALON CO. LTD. | 14,000,000.00 | 2008 | 2010 |

# SECTION 5
# Projects List

## PROJECT UNDERTAKEN AND COMPLETED BY MANAGEMENT TEAM

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 203 | Marriot Renaissance & Court Yard Hotel & Apartments 4 & 5 Star Doha | Marriot | 90,000,000.00 USD | 2009 | 2011 |
| 204 | Complete Electro-Mechanical Works | Sheikh Mohamed Ben Abdoulwahab Foundation<br><br>LADA | 19,860,000.00 | 2008 | 2010 |
| 205 | Rotana, Shangri-La & Merweb Hotels 4 & 5 Star Hotels Doha | Rotana | 110,000,000 USD | 2009 | 2011 |
| 206 | Complete Electro-Mechanical Works | PETRA KSA FACTORY<br><br>PETRA Industrial Engineering Co. | 30,342,944.00 | 2009 | 2011 |
| 207 | Complete Electro-Mechanical Works | Kingdom Tower Mall Expansion<br><br>RAWAFED ALTAAAMR | 15,342,944.00 | 2009 | 2011 |
| 208 | Complete Electro-Mechanical Works | ROOMZ<br><br>ALMUTLAQ HOLDING GROUP | 14,500,000.00 | 2009 | 2011 |
| 209 | IKAN MARIN INCUBATOR, AT SETIU, TERENGGANU<br>Proposed construction for fish farm<br>Supply, delivery installation, testing and commissioning of Electrical System | Jurutiara Sdn Bhd | 881,637.00 | Dec - 10 | Sep - 12 |
| 210 | SURUHANJAYA TENAGA APPLICATION FOR USG FACTORY, TAMAN KLANG UTAMA, KLANG | USG Products Sdn Bhd | 13,000.00 | Apr - 12 | Dec - 12 |
| 211 | PROPOSED FOR CONSTRUCTION OF 72 UNITS SHOP OFFICE, KUALA SELANGOR<br>Fire Fighting Works | Utamal Land Sdn Bhd | 115,900.00 | Nov -12 | Jan - 13 |
| 212 | CADANGAN KELULUSAN PELAN LAMPU JALAN BAGI PEMBINAAN SEBUAH PASARAYA 1 TINGKAT BESERTA 1 TINGKAT MEZZANINE DI ATAS SEBAHAGIAN LOT 619, MUKIM KUALA SELANGOR DAN KAMPUNG PASIR PENAMBANG, DAERAH KUALA SELANGOR, SELANGOR DARUL EHSAN TUK TETUAN GOLDPAGE ASSETS SDN BHD<br>Street Lighting Services | Utamal Land Sdn Bhd | 80,000.00 | Apr - 13 | Jul - 13 |
| 213 | PROPOSED HOTEL DEVELOPMENT ON LOT 10,11,12,13,14 & 15 AT THE EXISTING 72 UNIT KEDAI PEJABAT 2/4 TINGKAT DIATAS SEBAHAGIAN LOT 984 (Lot lama 620) DAN LOT 982 (LOT LAMA 617) MUKIM KUALA SELANGOR DAN KAMPUNG PASIR PENAMBANG, DAERAH KUALA SELANGOR, SELANGOR DARUL EHSAN UNTUK TETUAN GOLDPAGE ASSETS SDN BHD | UTAMAL LAND SDN BHD | 574,651.00 | May - 13 | Jan - 14 |

# SECTION 5
# Projects List

## LIST OF CURRENT PROJECTS

| ITEM | PROJECT | CLIENT | CONTRACT VALUE | YEAR OF COMMENCEMENT | YEAR OF COMPLETION |
|---|---|---|---|---|---|
| 1 | PROPOSED DEVELOPMENT 1 BLOCK SPACE BUSINESS (BUSINESS SUITES) 21 FLOOR AT JALAN RAJA MUDA ABDUL AZIZ, KUALA LUMPUR Design, Construct and Completion of ELV, Generator Set, Façade & External Lighting, Lightning Protection, PA System, SMATV, ICT, CCTV, Card Access System, Air Cond, Traffic Light & Boom Gate Works | Pembinaan Luhur Usaha Sdn Bhd | 30,692,000.00 | Dec - 13 | In Progress |
| 2 | SUPPLY, TESTING, DELIVERY OF STINGER SYSTEM I - BEAM SUPPORT WORKS PROJECT MASS TRANSIT LEMBAH KELANG JAJARAN SUNGAI BULOH-KAJANG | MEIDEN MALAYSIA SDN BHD | 50,000,000.00 | Apr - 14 | In Progress |

# SECTION 6
# Site Photos

## 2 x 50 STOREY HOTELS PROJECT MANAGEMENT CITY CENTER PH II DOHA

MARRIOT HOTELS, DOHA

BOILER ROOM

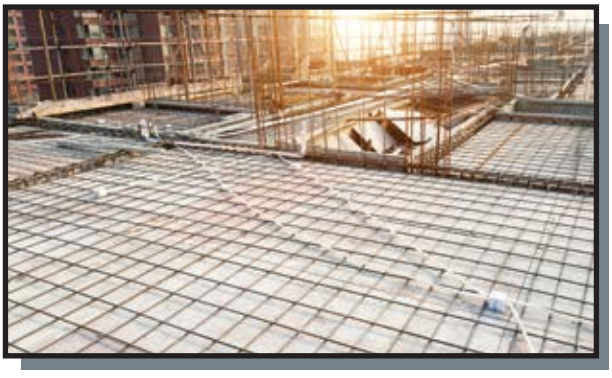
DIESEL GENERATOR ROOM

L.V. SWITCHGEAR ROOM

# SECTION 6
# Site Photos

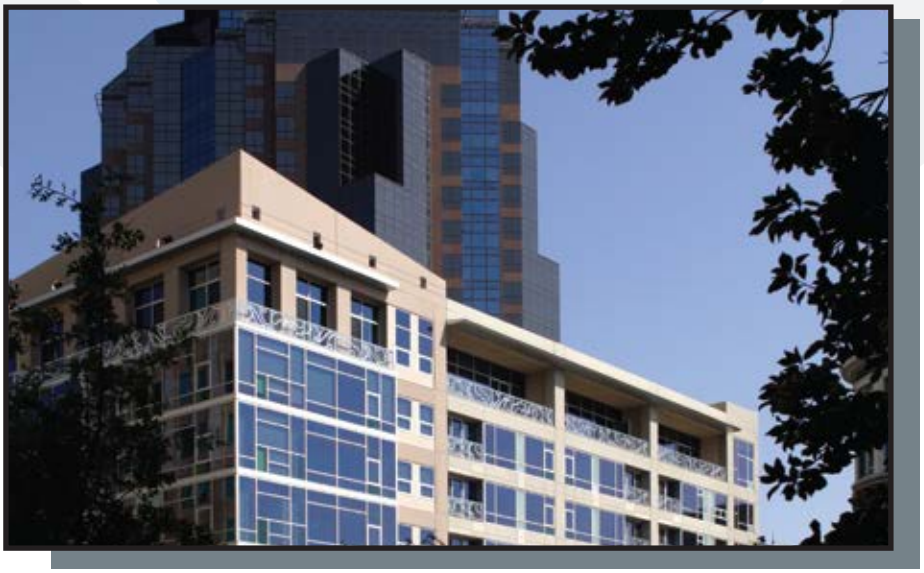
## PROPOSED DEVELOPMENT 1 BLOCK 1 SPACE BUSINESS SUITES (130 UNITS) 21 FLOOR AT JALAN RAJA MUDA ABDUL AZIZ, KUALA LUMPUR

DESIGN, CONSTRUCT AND COMPLETION OF ELV, GENERATOR SET, FACADE & EXTERNAL LIGHTING, LIGHTNING PROTECTION, PA SYSTEM, SMATV, ICT, CCTV, CARD ACCESS SYSTEM, AIR CONDITIONING, TRAFFIC LIGHT & BOOM GATE WORKS

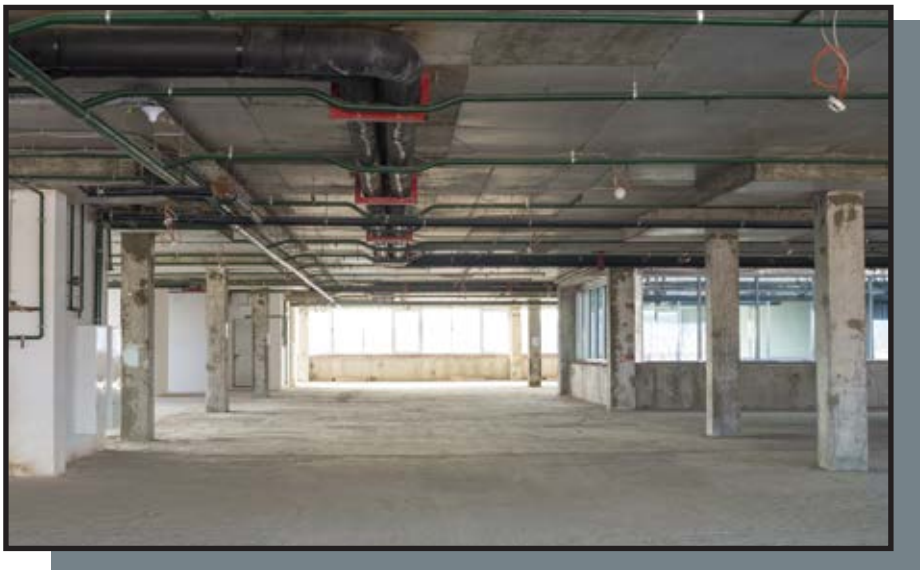


# SECTION 6
# Site Photos

## CADANGAN MEMBINA 10 UNIT KEDAI / PEJABAT 3 ½ TINGKAT SERTA BANGUNAN PEJABAT 10 TINGKAT DI DAMANSARA UNTUK TETUAN MANDARIN PURPOSE SDN BHD



ELECTRICAL, LOW VOLTAGE, COMMUNICATION & PA SYSTEM



# SECTION 6
# Site Photos

## KINA / SEGUNTOR BIO-POWER 11.5 MW EFB POWER PLANT AT SANDAKAN SABAH

COOLING WATER PIPE LINE, STEAM PIPING, BUTTERFLY VALVES

INSTALLATION OF STEAM TURBINE

PIPEWORK INSTALLATION

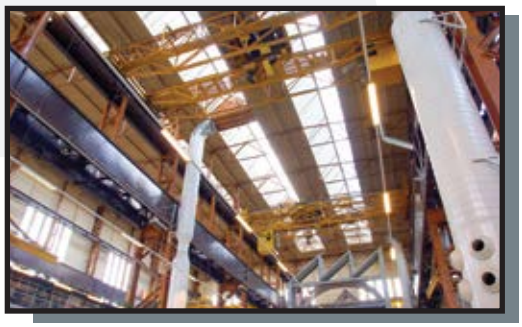
HIGH / LOW PRESSURE STEAM TURBINE

PALM OIL HUSK FEED CONVEYOR

# SECTION 6
# Site Photos

## 3 X 700 MW COAL FIRED POWER PLANT TANJUNG BIN, JOHOR

SUPPLY, DELIVERY, INSTALLATION, TESTING & COMMISSIONING OF ELECTRICAL, LIFT SERVICES & TELECOMMUNICATION SERVICES



## CADANGAN MEMBINA SEBUAH GUDANG 1 TINGKAT BERSERTA PEJABAT 4 TINGKAT DIATAS, 40845 JALAN 10 / 10 BANDAR BARU BANGI, MUKIM KAJANG DAERAH HULU LANGAT, SELANGOR UNTUK TETUAN CERIA SDN BHD

SUPPLY, DELIVERY, INSTALLATION, TESTING & COMMISSIONING OF ELECTRICAL, TELEPHONE, AIR CONDITIONING AND MECHANICAL VENTILATION SYSTEM

# SECTION 6
# Site Photos

## SEMANGAR WATER SUPPLY, JOHOR

SUPPLY, DELIVER, INSTALLATION, TESTING & COMMISSIONING OF PLUMBING, AIR CONDITIONING & VENTILATION AND FIRE PROTECTION SERVICES.

# SECTION 6
# Site Photos

## DESIGN & CONSTRUCTION OF THE FUEL FARM UPGRADE 324 COMBAT SUPPORT SQUADRON AT RAAF BASE BUTTERWORTH, PENANG

SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF ELECTRICAL, INSTRUMENTATION, FIRE PROTECTION SERVICES, COMPRESS AIR PIPING, AIR-CONDITIONING & VENTILATION IN FUEL FARM & BUILDING AREA

# SECTION 6
# Site Photos

**PROPOSED CONSTRUCTION & COMPLETION OF 8 BLOCKS OF 7 STOREY LOW MEDIUM COST APARTMENT AT BANDAR PINGGIRAN SUBANG SEKSYEN U5 SHAH ALAM, SELANGOR**

SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF ELECTRICAL, TELEPHONE, MATV FIRE PROTECTION & STREET LIGHTING SYSTEMS

# SECTION 6
# Site Photos

**CADANGAN PROJECT PEMBINAAN PUSAT INCUBATOR IKAN MARIN, KAMPUNG LIMAU NIPIS, SETIU TERENGGANU DARUL IMAN**

SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF ELECTRICAL SYSTEM

# SECTION 6
# Site Photos

## 132KV TRANSMISSION & DISTRIBUTION SUB-STATION ERECTION WORKS

SUPPLY & ERECTION OF 132/11KV TRANSMISSION EQUIPMENT

## TG. LANGSAT COGENERATION PROJECT, JOHOR

MECHANICAL EQUIPMENT INSTALLATION IN TURBINE AREA

# SECTION 6
# Site Photos

## ERECTION OF POWER TRANSFORMERS & OIL FILTRATION

# SECTION 6
# Site Photos

## LUMUT CCGT – EC & I INSTALLATION

ERECTION OF 6 X 168MVA TRANSFORMER, FILTRATION, VACUUMING & 6 X 11KV AL BUSDUCTS




## TORAY PLASTIC (M) SDN BHD MT3 PRAI, PENANG

INSTALLATION OF 2000KW DIESEL GENERATOR SET WITH AUXILIARY EQUIPMENT




# SECTION 7
# Quality Policy

We, the Management and Employees of TASAS EMC, firmly commit ourselves to ensure that all construction projects and services are executed in accordance with contract specifications, drawings, within greed time frame and with consistent quality level that will meet and exceed client's expectations.

We believe that quality is everybody's responsibility, and continuous improvement is the driving force for success, so we also commit ourselves to continually improve the quality of our projects and services by continually reviewing and monitoring operations and achieving our objectives.

This is done by the effective and efficient implementation of ISO 9001:2008 Quality Management system standards in addition to complying with the applicable legal requirements and statutory regulations.

# SECTION 7
# Quality Policy

TABLE OF CONTENTS

# SECTION 7
# Quality Policy

TASAS EMC - HS Manual (HS M-01)

## 7.1 Purpose

This manual defines the scope of TASAS EMC Health, Safety Management System (HS MS) and provides a linkage of system documents to the various elements of OHSAS18001:1999 standard.

The principal elements of the system described in this manual are:

- QHS Policy
- Hazards and Risks
- Legal and Other Requirements
- QHS Objectives
- HS Management Programs
- Organizational Structure and Responsibility
- Communication
- Document Control
- Operational Control
- Crisis Management
- Monitoring and Measurement
- Incidents and Corrective and Preventive Action
- Records
- HS MS Audit
- Management Review

## 7.2 Scope

TASAS EMC HS MS provides a mechanism for HS management throughout all areas and departments. The HS management system is designated to cover health and safety hazards and risks, which a facility can control and directly manage, and those it does not control or directly manage but can be expected to have an influence.

# SECTION 7
# Quality Policy

## 7.3 Issue and Update

The control of this Manual is in accordance with the TASAS EMC operational procedure Control of Management System Documents. All copies of this Manual not marked "CONTROLLED COPY" are uncontrolled and should be used for reference purposes only.

Amendments to this manual will be issued by the QHS Engineer/MR or designee following approval by the Projects Manager.

## 7.4 QHS Policy

TASAS EMC QHS policy is endorsed by TASAS EMC Project Manager. The policy covers all activities at the company's facilities and sites. The Policy includes a commitment to continual improvement and prevention of pollution and occupational health and safety, as well as a commitment to meet or exceed relevant legislation, regulations and other requirements. The Policy will be reviewed annually by top management, communicated to all employees and made available to the public in accordance with the communication, procedures adopted.

Reference Material
OHSAS 18001 Standard (4.2)
ISO 14001 Standard (4.2)

Applicable Procedures
HS M – 01 TASAS EMC HS MS Manual

# SECTION 7
# Quality Policy

### 7.5 Hazard Identification, Risk Assessment and Risk Control

TThe TASAS EMC HS Cross Functional Team identifies the hazards and associated risks, which the company controls and over which it may be expected to have an influence, and determines which of those hazards and associated risks are considered significant by using a semi-quantitative risk assessment method and pre-defined evaluation matrix. Risk assessment results and significance are documented and maintained. These hazards and associated risks are reviewed at least semi-annually by the CFT or when there is a new or changed process or activity at the company facilities or sites. The QHS Engineer/MR maintains the Hazard Identification and Risk Assessment Records.

Reference Material
OHSAS 18001 Standard (4.3.1)

Applicable Procedures
P – 04 H

### 7.6 Legal and Other Requirements

TASAS EMC has established an operational procedure for the purpose of identifying, accessing and communicating legal and other requirements that are applicable to the company. Additional information is also available through legal publications. Local regulations are identified, accessed and communicated by the QHS Engineer/MR. At least annually the QHS Engineer/MR will review the most current international, national, regional, provincial, and local legal and other requirements, as applicable to TASAS EMC scope of operations and activities.

Reference Materials
Legal and Other Requirements
ISO 14001 Standard (4.3.2)
OHSAS 18001 Standard (4.3.2)

Applicable Procedures
P - 03H Control of Regulations and Other Requirements

# SECTION 7
# Quality Policy

## 7.7 QHS Objectives

TASAS EMC Management has developed its standard objectives for key processes at each relevant function and level within the organization. In-compliance with companies' standard objectives the CFT has developed companies' objectives and targets regarding health, safety, where these objectives and targets define:

1. The key measures and associated performance indicators for each process;
2. The specific, quantified targets define those performance indicators;
3. The planned deadlines for the achievement of those targets; and
4. The responsibilities for reporting and acting against results.

Objectives and targets are developed considering legal and other requirements, significant health and safety hazards and risks, technological options and financial, operational and business plans, and the management in the management review meeting for approval, then to confirm the progress of hitting the targets.

Reference Material
ISO 14001 Standard (4.3.3)
OHSAS 18001 (4.3.3)

Applicable Procedures
TASAS EMC QHS Objectives Matrix
P-04H Hazard Identification and Risk Assessment

# SECTION 7
# Quality Policy

## 7.8 HS Management Programs

The CFT established Risk Management Programs (RMPs') as a means for achieving objectives and targets. These programs define the principal actions to be taken, those responsible for undertaking those actions and the scheduled times for their implementation. The RMPs' are developed by the CFT and approved by the Projects Manager (refer to Section 7.5 Hazard Identification, Risk Assessment and Risk Control).

Reference Material:
ISO 14001 Standard (4.3.4)
OHSAS 18001 Standard (4.3.4)

Applicable Procedures
P-04H Hazard Identification and Risk Assessment
All FALCON EMC HS Operational Instructions

## 7.9 Organizational Structure and Responsibility

HS management system roles, responsibilities and authorities are defined at relevant functions and levels within the company. TASAS EMC' management provides the resources essential to the implementation and control of the HS management system, including: training, human resources, specially services,financial resources, technical and informational services. The QHS Engineer/MR has primary responsibility for establishing, operating and maintaining the HS MS. An HS CFT provides routine HS MS support and reports directly to the QHS Engineer/MR.

Reference Material
OHSAS 18001 Standard (4.4.1)
ISO 14001 Standard (4.4.1)

Applicable Procedures
All TASAS EMC HS Operational Procedures and Instructions

# SECTION 7
# Quality Policy

## 7.10 Training, Awareness and Competence

TASAS EMC identifies, plans, monitors and records training needs for personnel whose work may create a significant influence on his or other people health and safety. TASAS EMC has an operational procedure to create awareness and train employees at each relevant function and level so they are aware of the QHS policy, significant hazards and associated risks, their roles and responsibilities in achieving conformance with the policy and procedures, and with the requirements of the HS management system. The training QHS Engineer/MR is responsible for maintaining employees training records. Appropriate records are monitored and reviewed on a scheduled basis. Competency is determined by the employee's direct manager/supervisor.

Reference Material
ISO 14001 Standard (4.4.2)
OHSAS 18001 Standard (4.4.2)

Applicable Procedures
Resources Management

## 7.11 Communication

The TASAS EMC has established and will maintain different means of communications for internal and external communications regarding hazards and associated risks and its HS MS.

Examples of internal communication:

- Notice boards
- Awareness training of company personnel, as appropriate in line with job function
- HS training of relevant job functions, as appropriate
- Electronic notes
- Team meetings and meeting minutes
- Management reviews and meeting minutes
- Corrective action Requests

The QHS Engineer/MR is responsible to ensure proper external communication with interest parties. This includes, not exclusively, communicating TASAS EMC HS requirements to contractors, communicating and feedback from UAE legal authorities, communicating clients an accreditation bodies audits results to customers.

# SECTION 7
# Quality Policy

## 7.12 HS Management System Documentation

This Manual identifies all documents relevant to the HS MS. A copy of HS MS documents, other than visual aids and records, can be obtained from the QHS Engineer/MR or designee.

Reference Material:
ISO 14001 Standard (4.4.4)
OHSAS 18001 Standard (4.4.4)

Applicable Procedures
Control of Management System Documents

## 7.13 Document & Data Control

TASAS EMC has established an operational procedure for controlling all documents related to its management system. This procedure describes where documents can be located and how and when they are viewed. The procedure ensures that current versions are available and that obsolete documents are promptly removed from use or are suitably identified. Controlled documents are obtainable from the QHS Engineer/MR or designee.

The procedure also describes the methods used to maintain electronic documents and data, and securing the system from loss, damage or infection by electronic viruses.

Reference Material
ISO 14001 Standard (4.4.5)
OHSAS 18001 Standard (4.4.5)

Applicable Procedures
INS/P-01 Control of Management System Documents

# SECTION 7
# Quality Policy

## 7.14 Operational Control

The CFT is responsible for identifying operations and activities associated with significant hazards and risks that require operational controls in procedures, work instructions or management programs.

These documents define the mechanisms for the establishment, implementation and maintenance of the HS MS and ensure that the system is maintained in accordance with TASAS EMC QHS policy and QHS objectives and targets and is communicated to employees, suppliers and contractors.

- System Procedures: Cover the management and control of both the HS MS and the principal hazards and risks which the system manages. These procedures are TASAS EMC wide in their application.
- Work instructions: Cover the control of specific operational activities and are usually activity specific in their application.

Reference Material
ISO 14001 Standard (4.4.6)
OHSAS 18001 Standard (4.4.6)

Applicable Procedures
All TASAS EMC Operational Procedures and Work Instructions.

## 7.15 Crisis Management

TASAS EMC has an operational procedure to identify potential for and respond to accidents and emergency situations, and for preventing and mitigating the hazards impacts that may be associated with them. Emergency methods are reviewed by the CFT on an annual basis and after the occurrence of accidents or emergency situations.

Reference Material
ISO 14001 Standards (4.4.7)
OHSAS 18001 Standards (4.4.7)

Applicable Procedures
P-02H Crises Management

# SECTION 7
# Quality Policy

## 7.16 Performance Monitoring and Measurement

TASAS EMC has established operational procedures to monitor and measures the key characteristics of its operations and activities that can have a significant impact on the health and safety. These procedures associated with maintenance operational procedure, which includes maintenance requirements of HS MS performance.

The company shall conduct pre-scheduled HS internal audits, that cover all departments and working sites, to measure and ensure the effectiveness of its HS MS performance, and its regulatory compliance. Periodic analysis for system output will take place by departments managements to measure achievements of established objectives and targets.

The QHS Engineer assisted by CFT members and allocated Safety Officers shall conduct frequent health and safety inspections on company personnel, activities, facilities, sites and contractors, and report their findings.

Reference Material
ISO 14001 Standard (4.5.1)
OHSAS 18001 Standard (4.5.1)

Applicable Procedures
QHS MS Assurance
P-04H Hazard Identification and Risk Assessment
P-06H HS Monitoring and Measurements

# SECTION 7
# Quality Policy

## 7.17 Incidents and Corrective and Preventive Action

TASAS EMC has an operational procedure for defining responsibility and authority for handling and investigating of any occurred accidents, near misses or unsafe conditions/acts defining action to mitigate impacts, and for initiating and completing corrective and preventive action. Any changes in procedures resulting from corrective and preventive actions are implemented and recorded. The QHS Engineer/MR maintains these records.

Reference Material
ISO 14001 Standard (4.5.2)
OHSAS 18001 Standard (4.5.2)

Applicable Procedures
QHS MS Assurance
P-01H Incidents Reporting and Investigation

## 7.18 Records

TASAS EMC has an operational procedure for the identification, maintenance and disposal of its management system records. These records include training records and the results of audits and reviews. They are readily retrievable and protected against damage deterioration and loss. The Areas and Departments maintain their own records. Record and document retention is also specified in the procedure.

Reference Material
ISO 14001 Standard (4.5.3)
OHSAS 18001 Standard (4.5.3)

Applicable Procedures
Control of Management System Documents

# SECTION 7
# Quality Policy

## 7.19 HS Management System Audit

Periodic system audits are conducted to ensure that the HS management system has been properly implemented and maintained. The results of these audits are provided to management. Audits are performed according to Annual Audit Plan, which is based on the importance of an activity, the results of previous audits and the audit schedule. All auditors are trained and audit records are kept with the QHS Engineer/MR.

Reference Material
ISO 14001 Standard (4.5.4)
OHSAS 18001 Standard (4.5.4)

Applicable Procedures
QHS MS Assurance

## 7.20 Management Review

TASAS EMC Management reviews all elements of the HS MS at least every six months to ensure its continuing suitability, adequacy and effectiveness. Meeting minutes record these reviews and are maintained by the QHS Engineer/MR or designee.

The QHS Engineer/MR ensures that all decisions and actions determined in the management review are documented and an action plan/corrective actions issued for concerned people to mitigate areas of concern. Follow up-results are presented in the next management review for evaluation and verification by management.

Reference Material
ISO 14001 Standard (4.6)
OHSAS 18001 Standard (4.6)

Applicable Procedures
QHS MS Assurance

# SECTION 8
# Equipment

| NO. | PLANT / EQUIPMENT & IT'S MANUFACTURER / MAKE | QUANTITY |
|---|---|---|
| A | CABLE PULLING EQUIPMENT | |
| | Cable winch 5 ton | 2 |
| | Cable drum trailers | 3 |
| | Mobile Mechanical Lifting Jacks | 6 |
| | Cable Rollers | 300 |
| | Cable pulling eyes | 4 |
| | Cable pulling irons | 200m |
| B | O.H LINE INSTALLATION EQUIPMENT | |
| | O.H line conductor trailers | 2 |
| | Line pulling & tensioning mach. | 12 |
| | Ladders (aluminum) | 12 |
| | Safety belts | 20 sets |
| | O.H.L pulling rollers | 30 |
| | Poles trans. Trailer With 10 crane | 1 |
| C | MECHINERY | |
| | Diesel generators | 3 |
| | Air compressors | 3 |
| | Welding machines | 3 |
| | Leaders | 2 |
| | Portable drilling machines different sizes | 4 |
| | Fixed vertical drilling machine | 1 |
| | Material transport trailers | 1 |
| | Concrete mixers (Mobile) | 1 |
| | Jack hammers | 3 |
| | Backhoe | 1 |
| | Pickups | 5 |
| | Trucks | 3 |
| | Compactors (Roller) | 3 |
| | Concrete vibrators | 1 |
| | Water pumps | 2 |
| | Pits Berg Machine (Lock Forming) | 64 |
| | Bidding Machine (Reinforcement) | 82 |
| | Sheet Cutting Machine Electrical | 11 |
| | Sheet Cutting Machine Manual | 21 |
| | Bedding Machine Manual | 14 |
| | Roller Machine | 5 |
| | Beading Machine For cladding | 5 |
| | Seam Machine | 4 |
| | Cutting machine for commercial Sheet | 4 |
| | Electrical Welding Plant | 5 |
| | Oxygen & Estelline Set (For cutting & welding) | 4 |
| | Organ Welding Machine | 5 |
| | Welding Machine | 6 |
| | Gas Welding Machine | 8 |
| | Threading Machine | 6 |
| | Pik up & Cars | 29 |
| | Dyana | 8 |
| | Air Balancing Hood | 4 |
| | | |

# SECTION 8
# Equipment

| NO. | PLANT / EQUIPMENT & IT'S MANUFACTURER / MAKE | QUANTITY |
|---|---|---|
| D | TOOLS | |
| | Different sets of tools & accessories for the installation | 25 |
| | And updated to suit applications | |
| | Clipping Tools | 8 |
| | Jack Hammers & Hoses | 68 |
| | Scaffolding | 5500 sqm |
| | Ladders | 45 |
| E | TESTING EQUIPMENT | |
| | Insulation & continuity tester (meggers) 1000V | 2 |
| | Insulation tester 5000V | 1 |
| | HV AC/DC dielectric testing equipment 70/100kv | 1 |
| | Measuring instruments (multimeters) | 4 |
| | Clamp meters | 8 |
| | Primary injection set | 1 |
| | Sec. injection test set | 1 |
| | Dynameters | 6 |
| | High Voltage detector up to 36kV | 1 |
| | Earth testers | 6 |
| | Cable / Metal Detectors | 12 |
| | High Pressure Duct Leaking Testing Machine | 2 |
| | Low Pressure Duct Leaking Testing Machine | 6 |
| | Anemometer | 3 |
| | Ultra Sonic Water Flow Meter | 4 |
| | Sound Level D.B Metter | 4 |
| | Thickness Testing Metter | 3 |

# SECTION 9
# Work Force (Over 300)

| No. | CATEGORY | QUANTITY |
|---|---|---|
| 1 | INDUSTRIAL ENGINEERS | 4 |
| 2 | MECHANICAL ENGINEERS | 5 |
| 3 | ELECTRICAL & TELCOM ENGINEERS | 6 |
| 4 | CONSTRUCTION SUPERINTENDENTS | 2 |
| 5 | SUPERVISORS CIVIL | 3 |
| 6 | SUPERVISORS MECHANICAL | 6 |
| 7 | SUPERVISORS ELECTRICAL & TELECOM | 6 |
| 8 | QUANTITY SURVEYORS ELECTRICAL/MECHANICAL/CIVIL | 2 |
| 9 | QA/QC SUPERVISORS ELECTRICAL & TELECOM/MECHANICAL/CIVIL | 1 |
| 10 | FIELD SURVEYORS | 3 |
| 11 | AUTO CAD OPERATORS | 5 |
| 12 | COMPUTER PROGRAMMERS | 2 |
| 13 | PURCHASERS | 4 |
| 14 | STORE KEEPER | 3 |
| 15 | LEAD MAN | 18 |
| 16 | CARPENTORS | 22 |
| 17 | MASONS | 28 |
| 18 | STEEL FIXERS | 24 |
| 19 | RIGGERS | 4 |
| 20 | DRIVERS | 4 |
| 21 | EQUIPMENT OPERATORS | 7 |
| 22 | MECHANICS | 5 |
| 23 | PAINTERS | 13 |
| 24 | AC TECHNICIANS | 31 |
| 25 | PLUMBERS | 22 |
| 26 | ACCOUNTANT/OFFICE CLERKS | 3 |
| 27 | TIME KEEPERS | 2 |
| 28 | CASP BOSS | 2 |
| 29 | ELECTRICIAN | 28 |
| 30 | WELDERS | 11 |
| 31 | SEMI SKILLED LABORS | 16 |
| 32 | UN SKILLED LABOURERS | 32 |

# مؤسسة توقد ألاساس للمقاولات
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