## VISHAL STRUCTURALS WLL

VISHAL

42 YEARS EPC IN OIL AND GAS IFRASTRUCTURE PROJECT



## More INNOVATION, More PERFORMANCE

Engineering Procurement, Construction in Oil & Gas, Turnkey projects in Petro chemical storage tanks,
Pipeline, Buildings, Shutdown, Operation & Maintenance
(Branches in Malaysia-Singapore-Kuwait-Bahrain-KSA-Egypt)



### INTRODUCTION

- VSWLL is a contractor for engineering, procurement, construction of tankage, pipelines, infrastructure, heavy structurals, firefighting systems, mechanical projects, electrical & instrumentation, revamping and re-furbishing projects etc. And manufacture and supply of shop fabricated process equipment on EPC basis.
- We are an ISO 9001:2015,ISO14001:2015 & ISO 45001:2018 certified engineering company constructing major tankage, LPG storage spheres, pipelines (cross country & unit) and structural projects, infrastructure, revamping and refurbishing projects etc. On turn-key basis. We are also supplying shop fabricated process equipment's such as pressure vessels, process drums, towers, stacks and columns etc. For petrochemical industries.
- We are in the EPC business for the past 43 years and have constructed more than 1000 nos. Large diameter petroleum storage tanks. Pipelines for petroleum / gas and several other
- We have successfully completed 03 nos of fuel storage terminals in Malawi.
- Recently we are doing 8 nos of storage tank at BAPCO.



#### SERVICES OFFERED

- Front end Engineering & Design (feed) and detailed design.
- Full multi- disciplined EPC utility and offsite plants.
- Construction management support services to International project management companies on large to mega projects.
- Direct construction for utility and offsite plants.
- Integration of Utility and offsite system as well as precommission, commissioning and start up supervision and execution.
- Maintenance and operation s support for facility owners.
- With a dedicated multi- disciplined engineering and design team, we can provide the necessary expertise to deliver turnkey utilities and offsite facilities from beginning to end.
- Our engineering and design services cover all the disciplines including process, civil, architectural, structurals, mechanical, piping, electrical, instrumentation, control system and HVAC.



## **COMMERCIAL REGISTRATION CERTIFICATE AT BAHRAIN**

KINGDOM OF BAHRAIN

Ministry of Industry, Commerce and Tourism



#### شهادة قيد السجل التجاري Commercial Registration Certificate

The Registration Directorate at the Ministry of Industry, Commerce and Tourism certifies that the merchant's below details have been registered in accordance with Decree law No. (27) for the year 2015 of the Commercial Registration.

نَسُهِ إِدَارَةَ النَسجِيلِ بِوزَارَةَ الصناعة والنَجارَة والسِاحة بأنه قَدْ نَم قَيِدَ النَاجِرِ المسجلة بباناته أنناه وذلك وقفاً للعرسوم بقانون رقم (27) لمنة 2015 بشأن السجل التجاري.

| Due<br>Date          | 14/07/2021                     | تاريخ الاستحقاق | Registration<br>Date | 14/07/20   | 019                      | تاريخ القيا | Registration<br>No. | 132079 - 1            | رقم القيد      |
|----------------------|--------------------------------|-----------------|----------------------|------------|--------------------------|-------------|---------------------|-----------------------|----------------|
| Group<br>Name        | VISHAL STRUCTURALS WLL         |                 |                      |            | قيشال ستر اكجر الز ذرم م |             |                     |                       | اسم المجموعة   |
| Commercial<br>Name   | VISHAL STRUCTURALS WLL         |                 |                      |            | فيشال ستر اكجر الزاذم م  |             |                     |                       | الاسم التجاري  |
| Registration<br>Type | With Limited Liability Company |                 |                      |            | شركة ذات مسئولية محدودة  |             |                     |                       | نوع القيد      |
| CR<br>Status         | ACTIVE                         |                 |                      |            | تثطة                     |             |                     |                       | حالة القيد     |
| Commercial           | صب P.O.BOX                     | لطقة Area       | ا المنا              | مجمع Block | طريق Road                | Bu          | مبنی ilding         | شقة/محل .Flat/Shop No |                |
| Address              | 8                              | AL QARYAH /     | القرية               | 604        | 401                      | (3)         | ±13                 | 0                     | لعنوان التجاري |

| Activities  | الأنشطة                               |
|---|---------------------------------------|
| Manufacture of structural metal products - Workshop | صنع المنتجات المحنية الإنشائية - ورشة |
| Construction of buildings                           | : تشييد العباتي                       |
| Installation of industrial machinery and equipment  | تركيب الألات والمعدات الصناعية        |

\* This CR does not permit its holder to practice investment activities on behalf of others.

إدارة التسجيل

Registration Directorate

O.F. 409 Issue 0

Issued Date: 26/09/2020

Page 1 of 1

Please post this certificate at a visible place.

Tel: +973 80001700 - www.sijilat.bh - www.moic.gov.bh

يرجى تثبيت هذه الشهادة في مكان بارز داخل المحل.

هذا القيد لا يجيز لصاحبه بعزاولة نشاط استثمار أموال الخير.

## INTEGRATED MANAGEMENT SYSTEM - ISO 9001: 2015 ISO 14001 ISO 18001



## Certificate of Registration

This certificate has been awarded to

#### Vishal Structurals Pvt. Ltd.

\*703, Krishna Govinda Towers, 7th Floor, Plot 22-26 (Opp. Sanpada R. Station), Vashi, Navi Mumbai, 400705, India

in recognition of the organization's Quality Management System which complies

#### ISO 9001:2015

The scope of scripties covered by this certificate is defined below

Provision of Mechanical Engineering Procurement, Mechanic Construction and Commissioning of Infrastructure Projects for Petroleum Industries

Certificate Number: 26358/A/0001/UK/En Date of Issue: (Original)

Date of Issue: 24 May 2019

Expiry Date: 23 May 2022

On behalf of the Schemes Miss











## Certificate of Registrati

This certificate has been awarded to

#### Vishal Structurals Pvt. Ltd.

703, Krishna Govinda Towers, 7th Floor, Plot 22-26 (Opp. Sanp. Station), Vashi, Navi Mumbai, 400705, India

in recognition of the organization's Environmental Management System which

#### ISO 14001:2015

The scope of activities covered by this certificate is defined belo

Provision of Mechanical Engineering Procurement, Mec Construction and Commissioning of Infrastructure Proj Petroleum Industries

Certificate Number: 26368/C/0001/UK/En Date of Issue: (Original) 28 October 2013 Expiry Date:

11 Septemb

On behalf of the Schu

Date of te





## Certificate of Registration

This certificate has been awarded to

#### Vishal Structurals Pvt. Ltd.

703, Krishna Govinda Towers, 7th Floor, Plot 22-26 (Opp. Sanpada Railway Station), Vashi, Navi Mumbai, 400705, India

in recognition of the organization's Health and Safety Management System which complies

#### OHSAS 18001:2007

The scope of activities covered by this certificate is defined below

Provision of Mechanical Engineering Procurement, Mechanical Construction and Commissioning of Infrastructure Projects for Petroleum Industries

Certificate Number: 26358/B/0001/UK/En Date of Issue: (Orloinal) 28 October 2013

Date of lanue: 23 November 2016

Expiry Date:

On behalf of the Schemes Manager







AND IN NOTICE OF THEIR ONLY WAS THOSE OF STREET, AND ADDRESS OF STREET,



#### SAFETY IS OUR FIRST PRIORITY: HSE POLICY

#### VISHAL STRUCTURALS PVT LTD

NAVI MUMBAI - 400 705

#### HEALTH SAFETY ENVIORNMENT POLICY

HSE policy of the company is to increase the awareness towards health hazards, increase industrial safety and improve working environment which will make all VISHAL employees for a safe place to work with zero accident record. Occupational health safety Environment is a high level monitoring system, which aims to identify all the potential and critical hazards caused by the routine operations.

Our motto is to promote occupational safety and health among employees, to prevent accidents by taking the effective measures in related fields. Guide employees about the danger involved in the use of machine tools, the effect of toxic fumes and dust on the human body, obey safety rules, attend safety programmes, safe guard measures required to be taken by the worker and other staff personnel of our organization in order to avoid occupational accidents and loss of man hours which may impair progress of work. The actual economic losses are much larger than the danaged equipment, loss of material and loss of work progress.

The VISHAL MANAGEMENT thinks that most of the suffering could be avoided by taking appropriate safety measures at right time. The majority of the occupational suffering and accidents are due to human negligence, ignorance, carelessness and of attitude on the part of worker. All efforts are taken to make all employees be well aware of the health hazards by involving them at all stages of work and conducting various orientation programmes for motivation among workmen by the management, which proves effective.

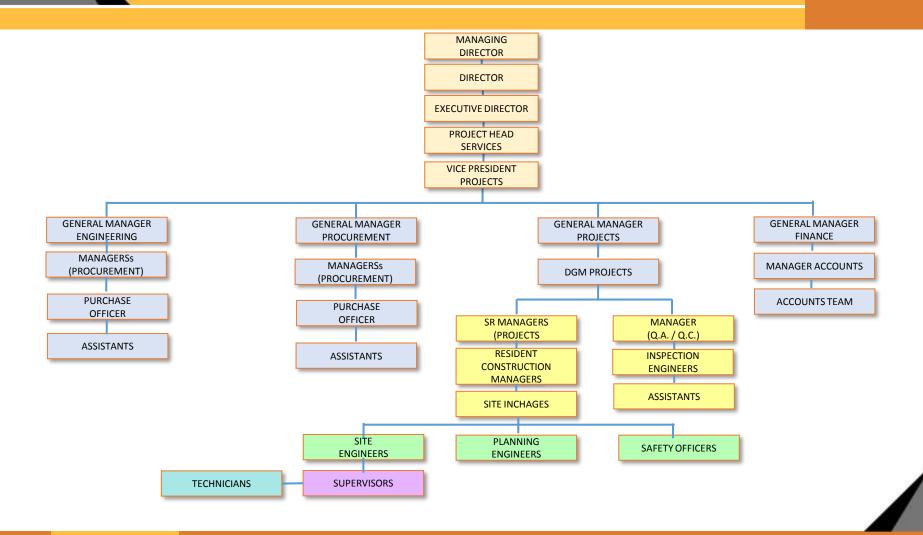
HSE Policy of VISHAL is directed towards safe & healthy working environment.

All possible steps are taken on all times to ensure that the employee's health protection is well maintained VISHAL provides medical facilities to workers. VISHAL management is dedicated to improve the safety awareness, improve working environment, provide occupation medical facilities for safe, clean and healthy working conditions for the employees.

KISHORE KRISHNAMOORT



## **ORGANISATION STRUCTURE (PROJECT MANAGEMENT)**





# SEVERAL PROJECTS CARRIED OUT UNDER THE DESIGN AND INSPECTION OF RENOWED COMPANY

- M/S MOTT MACDONALD CONSULTANT (I) PVT LTD
- M/S TOYO ENGINEERING INDIA PVT LTD
- M/S UOP
- M/S ENGINEERS INDIA LTD
- M/S JACOBS ENGINEERING (I) PVT LTD
- M/S MECON INDIA LTD
- M/S TRIUNE ENERGY SERVICE PVT LTD
- M/S PROJECT & DEVELOPMENT INDIA LTD
- M/S WORLEY PARSONS INDIA
- M/S BECHTEL
- M/S TATA CONSULTANCY
- M/S SGS
- M/S INDIAN REGISTRAR OF SHIPPING
- M/S BUREAU VERITAS
- M/S LLOYD'S REGISTER
- M/S DET NORSKE VERITAS

- M/S INDIAN OIL CORPORATION LTD.
- M/S HINDUSTAN PETROLEUM CORPORATION LTD.
- M/S BHARAT PETROLEUM CORPORATION LTD
- M/S OIL AND NATURAL GAS CORPORATION LTD.
- M/S ONGC MRPL
- M/S CAIRN ENERGY INDIA PTY LTD.
- M/S RELIANCE INDUSTRIES LTD.
- M/S ESSAR OIL LTD
- M/S PRAXAIR INDIA LTD
- M/S AIR LIQUIDE INDIA LTD.
- M/S KELLOGS INDIA LTD
- M/S ADANI PORT LTD
- M/S IMC LTD
- M/S KESAR ENTERPRISES LTD
- M/S MUMBAI PORT TRUST
- M/S NALCO LTD.
- M/S NATIONAL OIL COMPANY OF MALAWI LTD



## PROJECT MONITORING METHODOLOGY

- > VSPL TO EXECUTE THE PROJECT.
- RESPONSIBLE OFFICES FOR VARIOUS ACTIVITIES
- > TECHNICAL MATTERS
- COMMERCIAL MATTERS
- DETAILED ENGINEERING DRAWINGS
- > PROCUREMENT
- EXPEDITION / INSPECTION CORDINATION
- > INSPECTION
- > PROJECT MANAGEMENT
- > CONSTRUCTION, PRE- COMM. ETC
- > HSE ACTIVITIES
- QUALITY CONTROL
- > STATUTORY APPROVAL
- > FINANCE CONTROL
- DOCUMENT CONTROL

- VSWLL/VSPL ENGINEERING AT BAHRAIN/ INDIA
- VSWLL/ VSPL PROJECT OFFICE
- VSWLL/ VSPL PROJECT OFFICE
- VSWLL/VSPL ENGINEERING AT BAHRAIN/ INDIA
- VSWLL/VSPL SITE OFFICE
- VSWLL/VSPL SITE OFFICE
- VSWLL/VSPL SITE OFFICE
- VSWLL/VSPL SITE OFFICE
- VSWLL/VSPL FINANCE DEPT. AT BAHRAIN/ INDIA
- VSWLL/VSPL ENGINEERING AT BAHRAIN/ INDIA



#### IN HOUSE FACILITIES OF DESIGN AND DRAWING

- >PROJECT MGMT. WITH PRIMAVERA & MICROSOFT PROJECT IN HOUSE.
- > SOIL SURVEY AND SOIL INVESTIGATION-OUTSOURCED
- > DESIGN OF CIVIL IN HOUSE
- > DESIGN OF MECHANICAL IN HOUSE
- > DESIGN OF ELECTRICAL IN HOUSE
- > DESIGN OF INSTRUMENTATION IN HOUSE
- ➤ SOFTWARE INVOLVED IN DESIGN :-
  - DESIGN DONE AS PER ASME, DIN , BS, API , IS STANDARDS USING, STAAD PRO , PIPENET, SPIDER AND AUTO -CADD TO MAKE THE DRAWINGS
- ➤ HAVING MANPOWER RESOURCE:-
  - CIVIL DESIGN ENGINEERS- 03 NOS
  - MECHANICAL DESIGN ENGINEERS (PIPELINE)- 12 NOS
  - MECHANICAL DESIGN ENGINEERS (TANK)- 08 NOS
  - DESIGN ENGINEERS (ELECTRICAL) 04 NOS
  - DESIGN ENGINEERS (INSTRUMENTATION) 03 NOS

- >ALL DESIGN VETTED THROUGH:-
  - IACS –TUV, BV, LRS, ABS, SGS, DNV, GLI,BV, IRS
  - INSTITUTES- IIT, VJTI, REC OF INDIA
- ➤ OUR DESIGN CONSULTANT:-
  - TEBODINE , BAHRAIN
  - TATA ENGINEERING CONSULTANCY
  - PE-MECH CONSULTANT PVT. LTD.- NAVI MUMBAI
  - PROGRESSIVE ENGINEERING- NAVI MUMBAI



### **SHOP FACILITIES**

WE HAVE A TIEUP WITH NASS INDUSTRIAL SERVICES FULL FLEDGED FABRICATION UNIT AT HIDD, BAHRAIN EQUIPPED WITH MODERN MACHINERIES INCLUDING HEAVY DUTY PLATE BENDING MACHINES, TIG WELDING MACHINES, PROFILE CUTTING MACHINE, PLASMA CUTTING MACHINES, E.O.T CRANE ETC. OUR FACTORY ARE APPROVED BY MOST OF THE LEADING THIRD PARTY INSPECTION AGENCIES INCLUDING M/S LLOYDS REGISTER, M/S TUV AND M/S BUREAU VERITAS. WE ARE REGULAR SUPPLYING FABRICATED EQUIPMENTS SUCH AS PRESSURE VESSELS, HEAT EXCHANGERS, STORAGE TANKS, STACKS, COLUMNS, TOWERS, PROCESS DRUMS, ETC. IN STAINLESS STEEL AND CARBON STEEL MATERIALS FROM OUR SHOP AS PER THE REQUIREMENT OF INTERNATIONAL DESIGN









# SITE FACILITIES – DOUBLE SIDED FULLY AUTOMATIC WELDING MACHINE

- NOW A DAYS WE HAVE STARTED AUTOMATIC AGW/SAW WELDING FOR TANK CONSTRUCTION.
- ➤ HORIZONTAL JOINTS ARE BEING WELD WITH AUTOMATIC GIRTH WELDING PROCESS IS AGW/SAW. BY THIS WE ARE COMPLETING ALL HORIZONTAL JOINTS IN 50% FASTER THEN MANUAL WELDING AND ALSO WITH 50% MANPOWER.
- > SAME PROCESS WE ARE FOLLOWING IN BOTTOM WELDING & ROOF WELDING WITH VERTICAL AUTOMATIC SAW WELDING MACHINE IN ROTAR BASE.

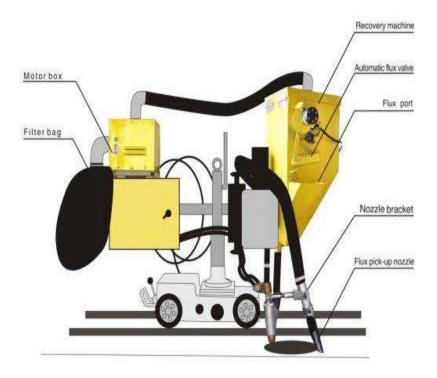








## **AUTOMIZED WELDING OF SEAMS**







# ONGOING PROJECTS AT A GLANCE IN KINGDOM OF BAHRAIN

## **BAPCO – BMP-TTSJV PROJECT FROM NIS**

| Description                     | Tanks size (OD x Ht)                  | Type of<br>Roof | QTY       | Tank WT<br>(in MT) |
|---------------------------------|---------------------------------------|-----------------|-----------|--------------------|
| A/B Crude Oil Tanks TANK        | 55.770 M x 16.46 M                    | EFR             | 02        | 1866.00            |
| 1 RHCU Feed Tank                | 67.36 M x 16.46 M                     | DR              | 02        | 2816.00            |
| FED Storage Tank                | 54.00 M x 17.70 M                     | CR              | 01        | 918.00             |
|                                 |                                       |                 |           |                    |
| Description                     | Tanks size (OD x Ht)                  | Type of<br>Roof | QTY       | Tank WT<br>(in MT) |
| Description  CFPP Additive Tank | Tanks size (OD x Ht) 4.712 M x 7.62 M |                 | QTY<br>01 |                    |
|                                 |                                       | Roof            |           | (in MT)            |



# ONGOING PROJECTS AT A GLANCE IN KINGDOM OF BAHRAIN

# ONGOING PROJECTS AT A GLANCE IN KINGDOM OF BAHRAIN





## BAPCO – BMP PROJECT , BAHRAIN (STORAGE TANK)

- UNIT-372 -TK2 -TANK NO-372D0279
- 54 MTR DIA X 15.22 MTR HEIGHT
- COLUMN SUPPOTTED FIXED CONE ROOF
- FED STORAGE TANK EMPTY WEIGHT 912.126 MT

# VISHAL

# ONGOING PROJECTS AT A GLANCE IN KINGDOM OF BAHRAIN





BAPCO – BMP PROJECT , BAHRAIN (STORAGE TANK) - COLUMN SUPPORTED CR TANK

Birdcage and top platform Scaffolding

## BAPCO – BMP PROJECT , BAHRAIN (STORAGE TANK) – DOUBLE DECK EFR TANK

- UNIT-050 -TK 1 -TANK NO-050D1001- 952.252MT
- 55.77 MTR DIA X 17 MTR HEIGHT

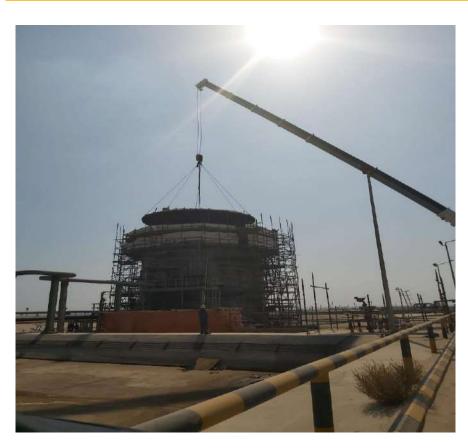


# ONGOING PROJECTS AT A GLANCE IN KINGDOM OF BAHRAIN



BAPCO – BMP PROJECT , BAHRAIN (STORAGE TANK) - CONSTUCTION OF DOUBLE DECK

# ONGOING PROJECTS AT A GLANCE IN KINGDOM OF SAUDI ARABIA





Tank Repair and Revamp in KSA Khafji Project

# BAPCO VENDOR REGISTRATION IN KINGDOM OF BAHRAIN

From: Workflow Mailer - EBSPRD < ebs@bapco.net>
To: Kishore Krishnamoorthy < info@vishalstructurals.in>
Sent: Thursday, February 27, 2020, 05:51:34 PM GMT+5:30

Subject: FYI: BAPCO Supplier Collaboration Network: Registration Submitted

To Kishore

Krishnamoorthy

Sent 27-FEB-20

12:19:57

ID 7564158

Thank you for submitting your company details and expressing interest in developing a business relationship with Bapco.

Your company is now included on potential bidders list and will be subject to a full Qualification audit before any potential future contract could be issued.

Please be advised that Bapco requirements for goods and services are advertised periodically through Public Prequalifications and/or Public Tenders which are published on the Bahrain Tender Board website at <a href="http://www.tenderboard.gov.bh/">http://www.tenderboard.gov.bh/</a>.

Non-approved vendors are welcome to participate in these public advertisements. Vendors that successfully meet all the Public Prequalification requirements and/or is the successful bidder of a Public Tender will be included in Bapco's Approved Vendor List.



## **VENDOR REGISTRATION IN KUWAIT KUWAIT OIL COMPANY**

26/04/2819 14:19

88565-23987257

TL SUPL RELAT MOINT

PAGE 81/82

COMMERCIAL SUPPORT GROUP SUPPLIER RELATIONSHIP MANAGEMENT TEAM FACSIMILE TRANSMISSION COVER SHEET OUR FAX NO. (965) 23980429



3672 2 6 APR 2018 OUR REF.: AMS/MJA/18/FX/ APPLICANT COMPANY NAME AL-MARWAD INTERNATIONAL GENERAL VISHAL STRUCTURALS PVT. LTD. TRADING & CONTG. CO. MOSLET AL HUWAILA Tette: DGM PRICECTS FAX NO. +91 22 27845566 23740606 e-malt: info@vishalstructurals.in FROM YOUSEF AL-DEWAILA

DESIGNATION

SUBJECT:

: TEAM LEADER SUPPLIER RELATIONSHIP MANAGEMENT

SIGNATURE

PRE-OUALIEICATION FOR CAT- 18: ENGINEERING, PROCUREMENT & CONSTRUCTION OF MINOR

STORAGE TANKS & REPAIR WORKS TO EXISTING TANKS APPLICATION REF. NO.:

AMS16/1A1R139

NO. OF PAGE(S) 2 INCLUDING THE COVER SHEET

This is to advise that, your application for the subject Pre-qualification exercise has been evaluated and found acceptable to KOC. Accordingly, your company's Name "VISHAL STRUCTURALS PVT. LTD." shall be enrolled under the approved KOC's Related Category (Category 1B).

In view of the above, we would like to emphasis that, you need to immediately confirm on the name of your company and to inform KOC of any change in your company related to the following:-

- Change of status of any item listed under the Mandatory Questions as indicated in the subject PQ.
- Change of your company's name or corporate structure.
- Divesture of core business.

In addition to the above, a copy of your company's audited financial statement for the next year and consequent years should be also forwarded to KOC for retention and necessary updating of your financial status. Failing to fulfill the requirements may lead to suspension of your company from the above mentioned category of work.

Moreover, please find attached a list of required information which we need in order to create a profile of your company in KOC's electronic system and you are kindly requested to complete and submit to us within two (2) weeks.

in this context, we would like to thank you for your participation in the subject Pre-qualification exercise.

IF COPY IS ILLEGIBLE OR INCOMPLETE, PLEASE CALL YEL.: +965 - 238 65397



#### Category (1B) - EPC of New Minor Storage Tanks and Repair Works to Existing Storage Tanks (Upto 100,000 BBL)

|      | Contractors Harrie (L)   | Address  | felephone                               | t-m           | Lonari           | Contact Person                               | Agent Name  | Agent let | Apenthas |
|------|--|--|---|---------------|------------------|--|---|-----------|----------|
| 22   | CON CONTRACTOR OF THE CONTRACT | OUT ERRORMAN OFFICER SYMMORESON AND ACCOMMENSATION OF THE PROPERTY OF THE PROP | 00028<br>57X15346F1WW                   | JH 2729469A   | BLXXXII BASAX DO | SE CONTINUES AND SECURITY                    | ACHRAD WALL<br>DECKRE OTCHAL<br>CEPERAL TRACE OF<br>CORD. CO. | 25/2004   | 25740000 |
| 10.8 | WHIGHTECH LTD  | RIN YEOFI: FANDANJIKO<br>YEOFIO DI BUREA<br>YOUARUN OF BUREA   | (30.17-065<br>(30.17-065<br>(37.47-065) | (87) (1847) V |                  | ARCHITHVATA<br>TRAST - PROVINCE<br>MANAGEMEN |   |           |          |

Euralay, 28 April, 2018

www.kookw.com



Jesuka Engineeting India Private Limital HSG House, Sector 11, Part for 12 555 Settour, Front Moreau 200 614, India

May 2009

To, M/s Vishal Enterprises 703, Krishna-Govinda Towers Plot no 22-26 Sector 24 Vashi Navi Mumbai.

Kind Attn: Mr. Kishore Moorthy

Dear Sir,

Congratulations for safe completion of construction of four numbers dewaxed Product Storage Tanks for LOBS Quality Upgradation Project without any recordable incident.

We appreciate the efforts put in by your staff in achieving the desired target of safe completion of the construction of four numbers de-waxed Product Storage Tanks.

We thank the management too for providing safe environment and necessary support for achieving safe completion.

This letter is issued in appreciation for the individual & collective efforts by all who have devoted to this accomplishment.

For Jacobs Engineering India Private Limited

R.J.LENGADE RESIDENT CONSTRUCTION MANAGER

A group company of "Jesusha Engineering Group Inc."

\*\*Gomer Chiral Journa Deprisoning while Private Linear Research About Place Research Assess For Marine 1911 to be a few or other 27 22200000.

\*\*Additional Chiral Company Chiral Company Company



## ACHIEVING BEST CONTRACTOR AWARD – RSPL LTD







## SAFETY ACHIEVEMENTS- SAFE MAN HOURS







## SAFETY ACHIEVEMENTS FOR CONSTRUCTION







### **SAFETY APPRECIATION**







# SAFETY INSTRUCTIONS GIVEN PRIOR TO START OF PERFORMING JOB.









Note-Safety induction done by safety managers



## SAFETY AWARD AT BAPCO PROJECT











## SAFETY PARAMETER FOR CONSTRUCTION SITE

- ➤ RESPONSIBILITIES OF STAFF AND LABOUR AT CONSTRUCTIONS SITE.
- > THE HSE ACTIVITIES ARE EXECUTED BY A DEDICATED HSE TEAM CONSISTING OF HSE MANAGER AND SUPERVISORS UNDER THE GUIDANCE OF PROJECT MANAGER.
- FOR EACH ACTIVITY, THERE WILL BE A WRITTEN PROCEDURE.
- THE HSE TEAM SHALL FOLLOW THE WRITTEN HSE PROCEDURES, REPORTING SYSTEM ETC.
- > THE HSE TEAM SHALL CONDUCT REGULAR TOOL BOX MEETINGS, SAFETY DRILL, SAFETY AWARENESS PROGRAMME ETC.
- > NO WORK SHALL BE ALLOWED TO BE CARRIED OUT WITHOUT PROPER PERMIT.
- ➤ HSE TEAM WILL ENSURE THAT THE WORKERS, STAFF ETC WEARING PROPER P.P.E AND OTHER SAFETY HARNESS (AS REQUIRED) AT THE WORK SITE.
- > HSE TEAM WILL ENSURE THAT FIRST- AID KITS AND OTHER MEDICAL AIDS ARE ALWAYS AVAILABLE AT SITE.
- ➤ HSE TEAM SHALL ENSURE THAT ALL THE EQUIPMENT'S, MACHINERIES, LIFTING TOOLS AND TACKLES ETC ARE HAVING PROPER CERTIFICATES AND COLOUR CODES AS REQUIRED.
- ► HOUSEKEEPING FOR SITE .
- > WHAT INJURIES AND ILLNESS MUST BE REPORTED.
- ➤ ORGANISING THE SAFE USE OF DANGEROUS GOODS AND HAZARDOUS CHEMICALS.
- ➤ CONTROLLING HAZARDS SUCH AS DUST, NOISE AND FUMES.
- > PROVIDING HYGIENE FACILITIES SUCH AS TOILETS AND CHANGE ROOMS.
- > HYGIENIC WORK PRACTICES.
- ➤ FIRE FRIGHTENING EQUIPMENT AT SITE FOR FIRE SAFETY.
- ▶ PROVIDING INSTRUCTION, TRAINING AND SUPERVISION TO SUPPORTED EMPLOYEES.
- MONITORING YOUR WORK AREA AND EMPLOYEE HEALTH.



### SAFETY PARAMETER FOR CONSTRUCTION SITE

- MAINTAINING INFORMATION AND RECORDS ON HEALTH AND SAFETY.
- SUPPORTING AN INJURED SUPPORTED EMPLOYEE'S RETURN TO WORK.
- ➤ DEMONSTRATING SAFE WORK PRACTICES.
- ► HAZARD IDENTIFICATION AND EMERGENCIES.
- ➤ EMERGENCY ROOM FACILITIES/CLINICS.
- EMERGENCY PREPAREDNESS TRAINING.
- ➤ HEALTH CARE FACILITY POLICY AND PROCEDURES.
- ➤ CONSTRUCTION SAFETY AGREEMENT.
- ► HEAT ILLNESS PREVENTION FOR EG. PROVISION OF WATER, ACCESS TO SHADE, WRITTEN PROCEDURES ETC.
- ➤ GOOD QUALITY DB WITH ELCB WILL BE USED.
- ▶ HSE TEAM WILL ENSURE THAT FIRST- AID KITS AND OTHER MEDICAL AIDS ARE ALWAYS AVAILABLE AT SITE.
- ➢ ISSUE ENVIRONMENTAL GUIDELINES FOR CONSTRUCTION SITES
  - > LAND DISTURBANCE
  - NOISE AND VIBRATION
  - WASTE MINIMISATION
  - ➤ CONTAMINATED MATERIAL AND WASTES
  - > INSPECTIONS, MONITORING AND AUDITS



## SAFETY EQUIPMENTS DURING SITE WORK

### **SAFETY EQUIPMENTS**

- 1. SAFETY HELMETS
- 2. SAFETY SHOES
- 3. SAFETY GOGGLES
- 4. SAFETY BELTS
- 5. SAFETY GLOVES
- 6. SAFETY JACKETS
- 7. BOILER SUITS
- 8. SAFETY BARRICADING TAP
- 9. SAFETY MASS
- 10. SAFETY EAR PLUG
- 11. PERSONAL GAS MONITORING DEVICE





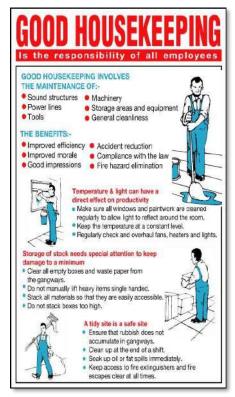
### SAFETY PRECAUTION FOLLOWED AT SITE

#### SAFETY PROCEDURES

- 1. SAFETY SIGN AND SYMBOLS.
- 2. SAFETY POSTERS TO PREVENT FROM ACCIDENT.
- 3. SAFETY INDUCTION TRAININGS.
- 4. SAFETY SLOGANS.
- 5. REGULAR MEDICAL CHECKUP OF STAFF AND LABOURS
- 6. HEIGHT PASS DURING WORKING AT HEIGHT.
- 7. FIIRE FIGHTING EQUIPMENT
- 8. PROPER HOUSEKEEPING AT SITE







# PROJECT EXECUTION EXCELLENCE QUALITY CONTROL



#### QUALITY ASSURANCE OF MATERIAL

- ONLY APPROVED AND REPUTED VENDORS WILL BE SELECTED BY CLIENT.
- ➤ ALL MATERIAL TO BE USED IN THE PROJECT AS PER STANDARD OR EQUIVALENT STANDARDS.
- > FOLLOWING DOCUMENTS WILL BE SUBMITTED.
  - TC (TEST CERTIFICATE)
  - FIELD QUALITY PLAN (FQP)
    MATERIAL QUALITY PLAN WILL BE SUBMITTED FOR BROUGHT OUT ITEMS FOR APPROVALS AND ALL THE MATERIALS WILL BE SUPPLIED AS PER THE SAME.

#### QUALITY ASSURANCE INSTALLATION-GENERAL

- > QUALITY BEGINS AT SITE WITH DAY ONE WHILE MATERIALS ARE START RECEIVING AT SITE .
- AFTER RECEIPT OF MATERIAL, OUR MECHANICAL ENGINEER /QA/QC ENGINEER PHYSICALLY CHECKED THE MATERIAL BEFORE STACKING THE SAME AT STORE YARD/STORE ROOM.
- ➤ IF ANY DEFECTS FOUND THEY INSTANTLY REPORT TO HO AND WRITE A NOTE ON LR COPY.
- > OUR QA/QC ENGINEER ALSO ENSURE THE PROPER STACKING OF OUTDOOR/INDOOR STORED MATERIAL TO AVOID THE SURFACE DEFORMATION DUE TO CORROSION, DAMAGE DUE TO PUTTING WEIGHT IMPROPERLY ETC.



## **QUALITY CONTROL**

- > ONCE OUR ENGINEER SATISFIED WITH QUALITY OF MATERIAL RECEIVED AT SITE THEREAFTER THEY CALL CUSTOMER ENGINEER AND MAKE THE INWARD INSPECTION MATERIAL REPORT FOR FURTHER RECORD.
- > BEFORE STARTS THE WORK SURFACE OF PIPES AND OTHER MATERIAL IS CLEAN PROPERLY
- MATERIAL CHECKED CONSTANTLY BY QA/QC BEFORE COMMENCE THE WELDING.
- > WHEN GROOVE FOUND PROPERLY THEN THEY ALLOW TO WELDING TO ONLY QUALIFIED WELDER.
- ➤ WELDER QUALIFICATION WILL BE DONE AS PER APPROVED WPS/PQR.
- THEY ALSO DO THE 10% RADIOGRAPHY RANDOMLY TO ENSURE PROPER WELDING QUALITY BY WELDER.
- > AFTER WELDING, JOINT WILL BE PROPERLY CLEANED FOR VISUAL CHECKING OF CLIENT AND NDT TEST.
- ➤ AFTER RECEIPT OF QUALITY CLEARANCE FROM CUSTOMER, MATERIAL WILL BE TESTED.
- > THE ABOVE PROCEDURE IS ALSO DOCUMENTED BY OUR QA/QC ENGINEER FOR FUTURE REFERENCE



SEVERAL HEAVY EQUIPMENT ERECTION









**COLUMN ERECTION & COMMISSIONING** 



## LAND ACQUISITION AND SITE SURVEY FOR THE PROJECT











## **SOIL INVESTIGATION**



SOIL TESTING DONE AT NABL APPROVED LABORATORY



#### CONSTRUCTION OF SITE OFFICE AND TCF



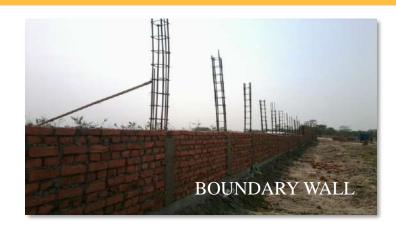








#### PROJECT CIVIL WORK CONSTRUCTION











CONSTRUCTION OF CIVIL BLDG. AND SHEDS











### COMPLETION OF CIVIL BLDG. AND SHEDS











CONSTRUCTION OF ROAD WORKS & BOUNDARY WALL











### **CONSTRUCTION OF MECHANICAL WORKS**











### **CONSTRUCTION OF VARIOUS TANK FOUNDATIONS**











### **CONSTRUCTION OF TANK – BOTTOM PLATE LAYING**











# CONSTRUCTION OF TANKAGE BY - (JACKING AND CONVENTIONAL METHOD)











### **CONSTRUCTION OF CRYOGENIC TANK**











#### **CONSTRUCTION OF PIPING WORKS**











# CONSTRUCTION OF CROSS COUNTRY PIPELINE & JETTY LOADING AND UNLOADING FACILITIES









**ERECTION OF EQUIPMENTS AND PIPES SPOOL** 











### INSTALLATION OF ELECTRICAL FACILITIES











### **INSTALLATION OF INSTRUMENTATION FACILITIES**











### TANKS AND PIPELINE REPAIRING AND MODIFICATION



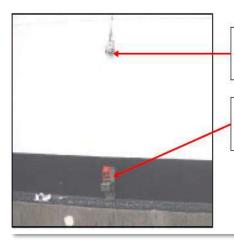








#### **TANK CALIBRATION**



MAGNETIC TROLLEY WITH ACRYLIC SCALE MOUNTED ON IT

OPTICAL PLUMMET FOR VERTICAL MEASUREMENT



MARKING FOR MEASUREMENT OF REFERENCE CIRCUMFERENCE AT 20% FROM TOP OF THE FIRST SHELL



STRAPPING BOTTOM SHELL COURSE FOR MEASURING REFERENCE CIRCUMFERENCE



VERTICAL OFFSET MEASUREMENT THROUGH OPTICAL PLUMMET



### **COMMISSIONING OF PLANT**











### ONGOING PROJECTS AT A GLANCE AT INDIA











HPCL CALICO- MAHUL (PIPING WORKS)











### STORAGE TANK FOUNDATION WORK AT HPCL HISSAR











### TANK FOUNDATION & FABICATION WORK AT IOCL DUMAD









# PROJECT EXECUTION EXCELLENCE MUMBAI PORT TRUST











REPAIRS/ REPLACEMENT OF DOLPHIN GRAVITY FENDER LINKAGE ASSEMBLIES OF DOLPHIN NO. 01 & 2 AT JETTY NO.1 MARINE OIL TERMINAL, JAWAHAR DWEEP



RSPL LTD. - DWARKA, GUJARAT









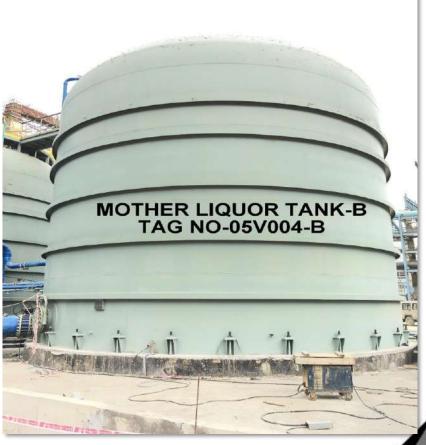
FIELD ERECTED TANKS AND VESSEL PACKAGE
TANK FOUNDATION, TANK AND SILO, BUNKER, HOPPER
TANKS AND BLDG. WORK



RSPL-DWARKA







STORAGE TANKS, SILO & BUNKER



RSPL -DWARKA







(STORAGE TANKS, SILO & BUNKER)

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