

ANNEX-1



PORT QASIM AUTHORITY

Gateway to National Prosperity

No PQA/PSP/482/2017

Dated: 1st April, 2020

M/s. ENER GAS TERMINAL (Pvt) Limited

6-A, Muhammad Ali Housing Society
A. Aziz Hashim Tabba Street
Karachi - 75350, Pakistan

Subject:- **ESTABLISHMENT OF FLOATING / OFFSHORE LIQUEFIED
NATURAL GAS TERMINAL ON BOT BASIS AT PORT**

1. I am directed to refer the joint workshop held on 25th March 2020 between M/s DNV.GL - PQA's Consultant and the representative of M/s ENER GAS duly attended by the PQA officials. Subsequently, M/s ENER GAS forwarded the clarifications to the observations raised by M/s DNV.GL on the Technical & Financial proposals. Accordingly, the same have sent to the M/s DNV.GL for finalization of its evaluation.

2. PQA is pleased for the participation and the interest shown by M/s ENER GAS in the workshop, despite the current scenario of Pandemic covid-19 that bit delays the process. Nevertheless, Port Qasim Authority is committed to facilitate the projects of national significance and provide their assistance towards the completion in order to meet the timelines / milestones of the projects. M/s DNV.GL has evaluated the Technical & Commercial proposals submitted by M/s ENER GAS, reports are under issuance.

3. PQA is proceeding towards issuance of Final LOI after seeking its approval from PQA Board by the end of April 2020 provided the present Pandemic allows to lead. PQA may create the provision of consents in the Final LoI subject to approval of the PQA Board and will make condition precedent (CP) in the Implementation Agreement (IA).


(Syed Aijaz Ali Rizvi)
Secretary

C.c to:

The Secretary of Maritime Affairs, 8th Floor Kohsar Block, Pak Secretariat,
Islamabad

BIN QASIM, KARACHI-75020, PAKISTAN, TEL: 92-21-9272111-30, FAX: 92-21-34730108, TELEX:27611 QASIM PK.
Website: www.pqa.gov.pk

ANNEX-2



GOVERNMENT OF PAKISTAN

Ministry of Defence

Survey of Pakistan

Directorate of Southern Circle

Office of the No.9 Survey Party

38 PNH Lines, 22nd Central Street

Phase-II, D.H.A. Karachi.

Tel : 021-99266387 Fax: 021-99266382

No. *709* 140-O-ENERGAS

Dated *21* -04-2020

To

The Chief Executive Officer (CEO),
M/s ENERGAS Terminal (Pvt.) Limited
6-AMuhammad Ali Housing Society
Abdul Aziz Hashim Tabba Street,
Karachi-75350.

Sub: TOPOGRAPHIC SURVEY ON SCALE 1:1,000 OF ONSHORE SECTION PIPELINE OF ENERGAS TERMINAL (PVT.) LTD.

Ref: Your letter above dated 25 February & 3rd March, 2020.

Please find enclosed herewith 09 sheets (02 sets) of Topographic Survey of onshore section of pipeline of Energas Terminal (Pvt.) Limited, Karachi for information & further necessary action, however, central point of loading arms duly marked on 1:500,000 scale sheets is enclosed.

[Signature]
(OC NO.9 PARTY)
Deputy Director
Officer-in-Charge

Copy to:

The Director Southern Circle Survey of Pakistan, Karachi for information, please



Ref (HQCAA/1117/003/ARAS/KHI-990)

Date: 14th May, 2020

**HEIGHT CLEARANCE AS PER RULE-68 AND AVIATION SAFETY STANDARDS
 (CONSTRUCTION SUBJECT TO NOC FROM RESPECTIVE BUILDING CONTROL AUTHORITY)**

Kindly refer to your application dated 16th December 2019 regarding the NOC for height clearance.

2. Pakistan Civil Aviation Authority is pleased to inform availability of height of **17.14 meter (56 feet) Above Ground Level (AGL) or 17.6993 meter Above Mean Sea Level (AMSL)** high building including over head water tank, antenna, Neon Sign board etc, on roof top (244611.50341N 671739.01164E, 244611.77856N 671739.68295E, 244612.10446N 671739.46425E & 244611.80669N 671738.83202E) at LNG Terminal Port Qasim Karachi with the following terms and conditions:-

- a) Height of the building should not be more than **17.14 meter (56 feet) Above Ground Level (AGL) or 17.6993 feet Above Mean Sea Level (AMSL)** including over head water tank, antenna, Neon sign board etc. on roof top.
- b) Obstruction light must be provided on top of the building in accordance with the specification contained in Para 6.2 of chapter 6 of Aerodrome Standard Manual of Pakistan (ASMP) (copy enclosed).
- c) The refuse shall not be kept open but always be stored in covered containers to ensure that birds are not attracted.
- d) Civil Aviation Authority shall not accept liability for any loss(s)/damage(s) /inconvenience suffered due to noise or other aviation related activities or any other claim by other Organizations/person(s).
- e) Civil Aviation Authority reserves the right to cancel the said clearance if the terms & conditions are not complied.
- f) This NOC is only valid **FOR HEIGHT CLEARANCE FOR FLIGHT SAFETY PURPOSES** and does not cover the NOCs for construction and other purposes required from Building Control Authorities, organizations, agencies etc.
- g) Clearance from Director Air Traffic Services, Air Headquarters PAF, Islamabad must also be obtained before the start of work. Height cleared by CAA or PAF whichever is lower will be considered as final permissible height.
- h) Completion of work is also required to be notified to HQCAA for the issuance of notices to the Aviators.

3. This Clearance is only related to the permissible height at proposed location and does not absolve the holder for fulfilling requirement of other concerned departments. Moreover, any omission due to submission of incorrect data or marginal error **shall not entitle** the holder for any claim whatsoever in future. In addition at any stage if, any dispute of land on the said survey numbers arises with CAA, this clearance shall stand canceled immediately.

Encl: As stated in Para 2(c)

(ZUBAIR GHAZI)
 Director
 Airspace & Aerodrome Regulations

To,
 Mr. Anser Ahmed Khan (CEO),
 Energas Terminal Pvt Ltd,
 6-A, Muhammad Ali Housing Society,
 Abdul Aziz Hashim Tabbaa Street,
 Karachi.

Copy to:-

- > Director ATS, Air Headquarters, Islamabad.
- > Airport Manager JIAP, Karachi
- > AdID AIM HQCAA.
- > A/AdID Procedure Design, HQCAA.

ANNEX-3

ANNEX-4

205

GOVERNMENT OF PAKISTAN
MINISTRY OF MARITIME AFFAIRS
8TH FLOOR, KOHSAR BLOCK PAK SECRETARIAT

F.No. 15(1)/2019-PQA

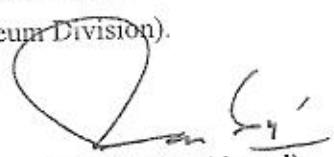
Islamabad, the 03RD March, 2020

OFFICE MEMORANDUM

Subject: MINUTES OF THE MEETING REGARDING THE ESTABLISHMENT OF LNG TERMINAL

The undersigned is directed to refer to the subject noted above and to enclose herewith minutes of the meeting on the subject matter, held on 19-02-2020 at M/o Maritime Affairs, Islamabad, chaired by Advisor to Prime Minister on Energy (Petroleum Division).

Encl: As above


(Allauddin Ahmed)
Section Officer (PQA)
Ph: 051-9201168

Distribution: -

- 1) Director to Minister for Maritime Affairs, Islamabad
- 2) Director to Minister for Energy, (Petroleum Division), Islamabad.
- 3) PS to Special Assistant to Prime Minister on Energy, (Petroleum Division), Islamabad.
- 4) PS to Secretary, Ministry of Maritime Affairs, Islamabad.
- 5) PS to Secretary, Ministry of Defence, Rawalpindi.
- 6) PS to Secretary, Ministry of Railways, Islamabad.
- 7) PS to Secretary, Ministry of Energy, (Petroleum Division), Islamabad.
- 8) PS to Secretary, Aviation Division, Islamabad
- 9) PS to Secretary, Ministry of Industries, Islamabad.
- 10) PS to Additional Secretary, M/o Maritime Affairs, Islamabad.
- 11) PS to Joint Secretary-I, Ministry of Maritime Affairs.
- 12) PS to Chairman, Port Qasim Authority, Karachi
- ✓ 13) Mr. Ansar Ahmed Khan, Chief Finance Officer, Energas Terminal (Pvt), Limited, Karachi.
- 14) Chief Executive Officer, M/s Energas Terminal (Pvt) Limited, 6-A, Muhammad Ali Housing Society Abdul Aziz Hashim Tabba Street, Karachi - 75350, Pakistan
- 15) Team Leader, Mitsubishi Corporation, Islamabad Liaison Office, Serena Business Complex, Sector G-5/1, Islamabad.

F.No.15(1)/2019-PQA
GOVERNMENT OF PAKISTAN
MINISTRY OF MARITIME AFFAIRS
 8TH FLOOR, KOHSAR BLOCK PAK SECRETARIAT

Subject: - MINUTES OF MEETING REGARDING THE ESTABLISHMENT OF LNG TERMINAL UNDER THE CHAIRMENSHIP OF ADVISOR TO PRIME MINISTER ON ENERGY (PETROLEUM DIVISION) ON 19-02-2020

An inter-Ministerial meeting was convened on 19-02-2020 at the Ministry of Maritime Affairs, chaired by Advisor to Prime Minister on Energy (Petroleum Division) pertaining to establish LNG terminals at Port Qasim Authority. List of participants attached at Annex-I.

2. Following issues discussed and decision taken in the meeting are annotated below:-

1.	PROJECT	DECISIONS & TIMELINE	RELEVANT STAKEHOLDERS
	PETROLEUM DIVISION		
	a. Capacity allocation in pipeline	Special Assistant to Prime Minister for Petroleum Division informed the participants that capacity in the existing pipeline would be allocated on first-come-first serve basis. SAPM further informed that Ministry and Distribution Companies were in the process of laying a new pipeline linking Karachi to upcountry, due RoW dispute with Govt of Sindh, the project was being delayed and hopefully the matter would be resolved in 2-3 months and Ministry should be able to allocate capacity on new pipeline by May 2020.	<ul style="list-style-type: none"> i) Petroleum Division ii) M/s Tabeer iii) M/s Energas iv) OGRA v) SSGC
	b. Tie in point	Meeting would be convened by the Additional Secretary, Petroleum Division, in next week with all stakeholders to resolve the issue.	
2.	OIL & GAS REGULATORY AUTHORITY (OGRA)		
	a. Issuance of Construction License	<ul style="list-style-type: none"> • Tabeer Energy and M/s Energas had submitted all requisite documents to OGRA. • Additional Secretary, Petroleum Division should peruse the matter with OGRA. 	<ul style="list-style-type: none"> i) Petroleum Division ii) OGRA iii) M/s Tabeer iv) M/s Energas
	b. Issuance of Sales License		

3. PORT QASIM AUTHORITY, KARACHI		
a.	Final LOI	Tabeer Energy and M/s Energas should submit all requisite documents at the earliest, so that PQA should be able to issue final LOI by 31-03-2020.
		i) PQA ii) M/s Tabeer iii) M/s Energas
4. MINISTRY OF DEFENCE		
a.	NOC from Ministry of Defence for the LNG Terminal.	Additional Secretary, M/o Defence informed that the request for grant of NOC was under process and hopefully NOC to Energas should be issued shortly. Regarding NOC to be issued to M/s Tabeer, as informed that the case would be processed once the firm submitted 08 copies of its documents.
		i) M/o Defence ii) M/s Tabeer

3. The meeting ended with the vote of thanks to and from the chair.

ANNEX-5

209

GOVERNMENT OF PAKISTAN
MINISTRY OF MARITIME AFFAIRS
8TH FLOOR, KOHSAR BLOCK PAK SECRETARIAT

Islamabad, the 07th May, 2020

F.No. 1(1)/2020-PQA

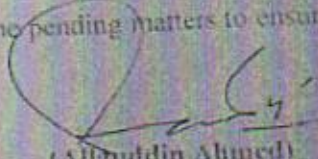
OFFICE MEMORANDUM

Subject: UPDATE ON THE ESTABLISHMENT OF LNG TERMINAL AT PORT QASIM

The undersigned is directed to refer to the subject noted above and to state that M/s Energas Terminal (Pvt) Limited has been granted provisional NOC for the Establishment of LNG Terminal at Port Qasim, Karachi. Subsequently, M/s Energas Terminal (Pvt) Limited have requested for grant of NOCs/approvals from various Ministries/Department to fulfill the prerequisites for issuance of final NOC by the Port Authorities. The requests for NOCs are presently pending with the following departments of the Federal Government; -

- i. OGRA Gas Sales License: Application pending, response from OGRA awaited.
- ii. Ministry of Defence NOC: In the minutes of meeting, MOD has informed that the NOC for the Energas Terminal is under process and that it will be issued shortly. MOD had further informed that the NOC approval is pending with the Naval Headquarters
- iii. SSGC Tie-in-Point Allocation: - Application pending since April, 2018, no response from SSGC
- iv. Pipeline Capacity Allocation: Available pipelines capacity has not been allocated in the SSGC & SNGPL pipeline networks
- v. PQA Dredging Disposal Site: Significant deviations received from PQA working level on already agreed dredging and disposal site. Re-confirmation of provisionally agreed location is awaited. Issues have now been highlighted to PQA Chairman.

2. In view of above, it is requested to kindly expedite the pending matters to ensure timely implementation of project.


(Alirudhin Ahmed)
Section Officer (PQA)
Ph: 051-9201168

Distribution: -

- i. The Secretary, Ministry of Defence, Rawalpindi
- ii. The Secretary, Ministry of Energy (Petroleum Division), Islamabad

Copy for Information

- PS to Secretary, Ministry of Maritime Affairs, Islamabad
- PS to Joint Secretary-I, Ministry of Maritime Affairs
- PS to Chairman, Port Qasim Authority, Karachi
- ✓ M/s Energas Terminal (Pvt) Limited, 6-A, Muhammad Ali Housing Society
Abdul Aziz Hashim Tabba Street, Karachi - 75550, Pakistan

ANNEX-6

THE COMPANIES ACT, 2017
(PRIVATE COMPANY LIMITED BY SHARES)

MEMORANDUM OF ASSOCIATION

OF

ENERGAS TERMINAL (PRIVATE) LIMITED

NAME

- 1. The name of the Company is "ENERGAS TERMINAL (PRIVATE) LIMITED".

REGISTERED OFFICE

- 2. The Registered Office of the Company will be situated in the Province of Sindh.

OBJECT

- 3. (i) The principal object of the Company shall be to develop, design, construct, complete, own, possess, manage, operate and maintain infrastructure for processing, storing, transporting, shipping, terminalling, transmitting, distributing, liquefying, re-gasifying, buying, selling, importing, exporting, trading and supplying of LNG, CNG, R.LNG, condensate I.P.G, NGL, NOL, natural and refinery gases and by-products for domestic, commercial or industrial uses or for lighting, heating, power generation or any other purpose whatsoever and also to carry on the business of sell, import, export and trading of oils, petroleum and natural gas and any components together with all machinery, equipments and works ancillary thereto and allied businesses.
- (ii) Except for the businesses mentioned in sub-clause (iii) hereunder, the company shall engage in all the lawful businesses and shall be authorized to take all necessary steps and actions in connection therewith and ancillary thereto.
- (iii) Notwithstanding anything contained in the foregoing sub-clauses of this clause nothing contained herein shall be construed as empowering the Company to undertake or indulge, directly or indirectly in the business of a Banking Company, Non-banking Finance Company (Mutual Fund, Leasing, Investment Company, Investment Advisor, Real Estate Investment Trust management company, Housing Finance Company, Venture Capital Company, Discounting Services, Microfinance or Microcredit business), Insurance Business, Modaraba management company, Stock Brokerage business, forex, real estate business, managing agency, business of providing the services of security guards or any other business restricted under any law for the time being in force or as may be specified by the Commission.

(iv) It is hereby undertaken that the company shall not:

- (a) engage in any of the business mentioned in sub-clause (iii) above or any unlawful operation.
- (b) launch multi-level marketing (MLM), Pyramid and Ponzi Schemes, or other related activities/businesses or any lottery business.
- (c) engage in any of the permissible business unless the requisite approval, permission, consent or licence is obtained from competent authority as may be required under any law for the time being in force.

LIABILITY

4. The liability of the members is limited.

CAPITAL

5. The authorised capital of the company is Rs.100,000/- (Rupees One Hundred Thousand Only) divided into 10,000 (Ten Thousand) Ordinary shares of Rs.10/- (Ten) each with the rights, privileges and conditions attaching thereto as are provided by the regulations of the Company for the time being, with powers to increase, sub-divide, consolidate or reorganize the capital of the Company and to divide the shares in the capital of the Company for the time being into several classes in accordance with the provisions of the Companies Act, 2017, as amended from time to time and to attach thereto respectively such special rights, privileges or conditions as may be determined by or in accordance with the regulations of the Company, provided however, that rights, as between various classes of ordinary shares, if any, as to profits, votes and other benefits shall be strictly proportionate to the paid up value of the shares.

We, the several persons whose names, and addresses and descriptions are subscribed below, are desirous of being formed into a Company in pursuance of this Memorandum of Association and we respectively agree to take the number of shares in the Capital of the Company set opposite our respective names:

S. No.	Name and Surname (Present & Former in full) (in Block Letters)	Father's / Husband's Name in full	NIC / Passport Number	Occupation	Residential Address in full	Number of Shares Taken by each Subscriber	Signature
1.	Y. B. Pakistan Limited Through Authorised Representative Mr. Muhammad Ali Tabba	N/A	0077837	Public Limited Company	First Floor, Sindh Market, M. A. Jinnah Road, Karachi.	2,000 (Two Thousand)	
2.	Sapphire Electric Company Limited Shahid Abdullah	N/A	0049349	Public Limited Company	7A/K, Main Boulevard, Gulberg-II, Lahore	3,000 (Three Thousand)	
3.	Mr. Anser Ahmed Khan	Muhammad Abdullah	42201-5225618-1	Business Executive	3-Ahmed Block, New Garden Town, Lahore	2,000 (Two Thousand)	
4.	Mian Karim Ud Din	Imlak Ahmed Khan	423017-918603-3	Business Executive	House No-4, Street 16 South, Phase 2, D H A Karachi	3,000 (Three Thousand)	
		Mian Mohammad Sharif	352002-128262-1	Business Executive	House # 02, Askari Villas, Sarwar Road, Lahore Cantt.		
					TOTAL	10,000 (Ten Thousand)	

Dated this 16th day of August, 2017

Certified to be true copy
Jan 13/17
Asstt. Deputy Registrar of Companies

213

ANNEX-7



TURNING DREAMS INTO REALITY





China Harbour Engineering Company Ltd. (CHEC) was established in the 1980s and became a subsidiary of China Communications Construction Company Ltd (CCCC) in 2005. Recently, the CCCC is ranked No. 165 as Global Fortune 500 Company and appraised No. 4 as Top Global Contractors by Engineering News Record. Being a major operation arm of CCCC on international level, CHEC's 70 branches and representative offices have a global foot print in over 80 countries with the human resource strength of more than 15,000 undertaking hundreds of international projects in the total turnover of USD 16 billion dollars.

Providing full scope of services in relation to Engineering Procurement Construction (EPC) Contracts, Build Operate Transfer (BOT) Contracts and Public Private Partnership (PPP) Contracts for both public and private sectors, CHEC's infrastructure portfolio not only covers the core business of marine engineering, dredging and reclamation, but also covers a diversity of works including roads and bridges, railways, airports, equipment assembly and other engineering fields relating to municipal, environmental and hydraulic services, power plant and resource exploration. Through our cutting-edge professionalism, technology, resources and business promotion, CHEC is recognized as a world-renowned construction enterprise and has earned a reputation of excellence in its performance, quality as well as customer service.

Since its establishment, CHEC has been bearing a strong corporate culture to abide by its core values of "keen responsibility, excellent rewards and win-win cooperation" and the maven of "inclusiveness, integrity, innovation and dedication" in order to deliver a series of iconic projects, fulfill its social responsibility, furnish its clientele with a professional approach, mitigate environmental impacts and to dedicate for a sustainable development.

中国港湾工程有限责任公司 (CHEC) 成立于上世纪 80 年代, 是世界 500 强企业中国交通建设股份有限公司 (CCCC) 的子公司, 代表中国交建开拓海外市场, 目前在海外业务涉及 70 多个分(子)公司和办事处, 业务遍及 80 多个国家和地区, 在营业收入总额超过 160 亿美元, 全球从业人员超过 15,000 人。

中国港湾立足于海事工程、船舶修造、公路桥梁、铁路及轨道交通、航空枢纽以及相应基础设施供应与运营等基础设施领域, 提供工程承包及运营维护的一体化服务, 并在传统、市政环境、水利工、电站电厂、资源开发等领域具有丰富的经验和优势, 凭借技术、设备、管理、人才等万面优势, 为全球客户创造增值服务, "CHEC" 已成为国际工程行业的知名品牌。

中国港湾自创立以来, 始终秉承“责任担当、合作共赢”的核心价值理念, 以“包容、诚信、创新、奉献”的企业品格和在世界各地建造了一批具有国际影响的标志性工程, 并积极履行企业的社会责任, 为所在国家本地区经济社会发展贡献智慧, 实现同呼吸、共命运、齐发展!



— Culture 企业文化 —

— Humanity 以人为本 —

— Engineering 工程至上 —

— Contribution 贡献全球 —



提供建设领域一体化服务

CHIEC: FULL SERVICE PROVISION

CHIEC specializes to furnish total solution services to its clients from strategic planning, feasibility study, FEED, finance, design, design, value engineering, construction to maintenance and operation. CHIEC's huge pool of high caliber employees enables it to maintain a thorough control on the safety, quality and efficiency. By the tailored-made delivery solution and partnering with the worldwide clients, CHIEC is confident that it is able to maximize the value for its clients.

中国建设领域服务涵盖项目规划、可行性研究、融资、设计、施工、维护、运营等各环节，经验丰富，拥有来自全球的高素质团队，可以为全球客户提供针对各种需求的全方位服务模式，为客户创造最大价值。



73

AIRPORT
机场



77

COMPLETE PLANT
成套设备



81

OTHER WORKS
其他工程



07

MARINE ENGINEERING
海事工程



21

DREDGING AND RECLAMATION
疏浚及填海



47

ROAD AND BRIDGE
道路桥梁



65

RAILWAY
铁路

CONTENTS 目录



MAIN CONTRACT ON CONSTRUCTION OF GWADAR DEEP PORT PROJECT, PHASE 1, PAKISTAN
巴基斯坦瓜达尔深水港项目

THE CLIENT 客户: Gwadar Port Authority
瓜达尔港口管理局
DATE OF COMPLETION 完工日期: 03 Apr., 2015
MAIN WORKS 主要工程: 27 new multi-purpose berths of 602m long to accommodate 50,000 DWT container vessels; the first container vessel container yard; "Lucas Prize" (Lucas's grand prize) in civil engineering.
主要工程: 27个多用途泊位, 总长 602 米, 可容纳 50,000 吨集装箱船; 第一个集装箱堆场; "卢卡斯奖" (卢卡斯大奖) 在土木工程领域。
三个多用途泊位, 总长 602 米。

PROPOSED DOCKS, WHARVES, QUAYS, PIERS AND OTHER ANCILLARY WORKS IN NEW YARD (PHASE 3) AT TUAS SOUTH, SINGAPORE
新加坡大士南新船塢、碼頭、碼頭、碼頭及其他輔助工程

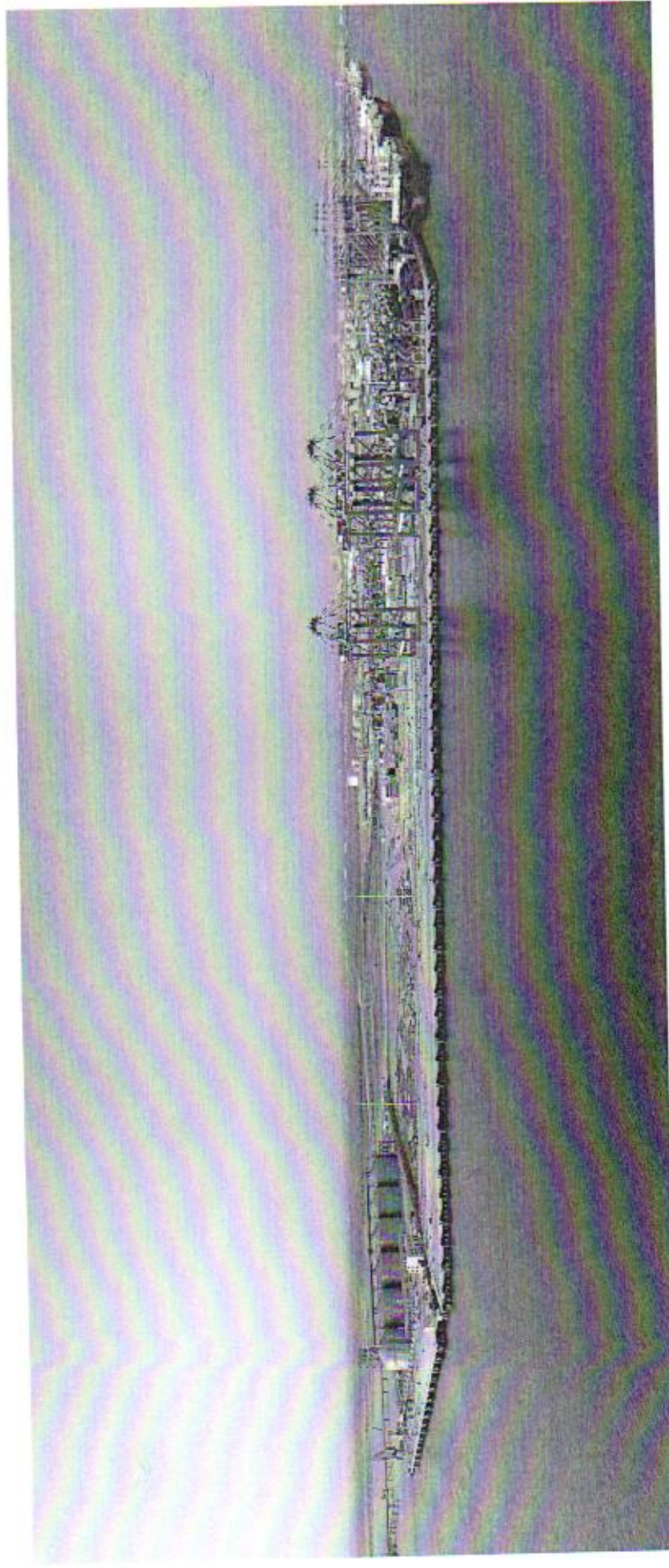
THE CLIENT 客户: Jaring Shipyard Pte Ltd
日期: 17 May., 2013
DATE OF COMPLETION 完工日期: 17 May., 2013
MAIN WORKS 主要工程: four dry docks (one is of 410m x 66m, two are of 250m x 66m and one is of 240m x 66m), four wharves (two are 197m long, three are 120m x 250m and two are 120m x 250m), four wharves (two are 197m long, three are 120m x 250m and two are 120m x 250m), 4 piers (two are 362m x 89m), 4 wharves (two are 357m), 2 container berths (one is 468m), 3 container berths (two are 318m x 25m), 以及其他輔助工程。



HAMBANTOTA PORT DEVELOPMENT PROJECT, PHASES 1 AND 2, SRI LANKA
斯里兰卡汉班托托港口发展项目

THE CLIENT 客户: Sri Lanka Ports Authority
日期: 21 Dec., 2011
DATE OF COMPLETION 完工日期: In Progress (in progress)
MAIN WORKS 主要工程: two 100,000 DWT general purpose berths, a 100,000 DWT berth and a 120m breakwater with 7m deep back area excavated from land in Phase 1 and two container berths (up to 100,000 multi-purpose berths and an of terminal in Phase 2).
Phase 1 was completed by the end of 2011 and the Phase 2 is in progress.
主要工程: 一期 2 座 10 万吨级通用泊位, 1 座 10 万吨级通用泊位, 311 米长的防波堤, 900 米长的防波堤, 水深 -17 米填海工程, 110 米长的防波堤, 16 米, 及防波堤岸线工程, 二期 2 座 15 万吨级通用泊位, 2 座 15 万吨级通用泊位, 1 座 10 万吨级通用泊位, 1 座 150 米长的防波堤, 1577 米长的防波堤, 及码头岸线工程。





QASIM INTERNATIONAL CONTAINER TERMINAL, TERMINAL 2 – MAIN WORKS CONTRACT, PAKISTAN

THE CLIENT: Qasim International Container Terminal Pakistan, Ltd. 29 Dec., 2010

DATE OF COMPLETION: 17th Feb., 2010

MAIN WORKS: The main works of the terminal, comprising an International Container Terminal of 727m quay with a jacked-in-deck structure, water depth of 15m, approx. 16 ha of container yard to handle an annual throughput of 1.7/2.0/3.0 TEU and Fuel Tank and Oil Tank Terminal of 1000 quay wall, water depth of 15.5m, 7.9 ha of back area.

主要工程: 三亞斯國際貨櫃碼頭二期工程, 主要工程: 國際貨櫃碼頭, 水深 - 15.5 米, 16 萬平方英尺, 燃料油罐及石油油罐碼頭, 水深 - 15.5 米, 7.9 萬平方英尺, 碼頭後方堆棧區。

海事工程 MARINE ENGINEERING

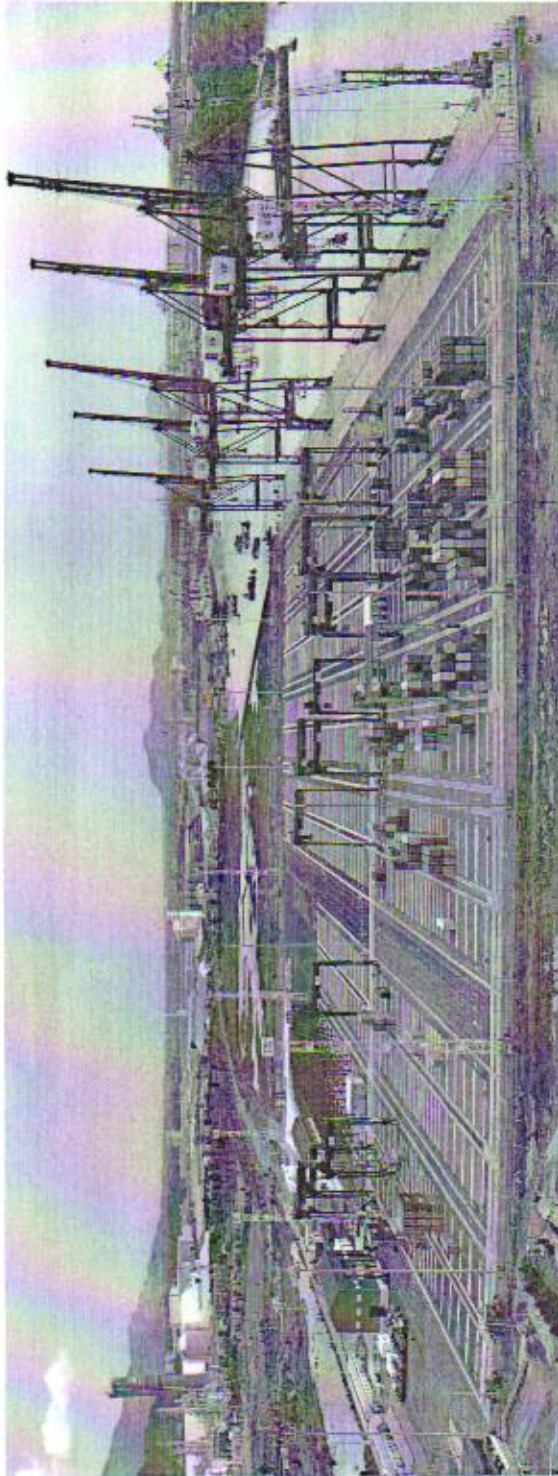
CHINA HARBOR ENGINEERING COMPANY LTD. 中国港湾工程有限责任公司

CHINA HARBOR ENGINEERING COMPANY LTD.

SAIGON INTERNATIONAL TERMINALS PROJECT, VIETNAM

Source: 2010/11/11

- THE CLIENT: 4 in 1: Saigon International Container Terminal Vietnam Ltd.
- DATE OF COMPLETION: 2011/07/25
- MAIN WORKS: 4 in 1: 750m concrete quay with shiping, reclamation and related service facilities.
The works are successfully handed over to a 6 months ahead of the original schedule.
主要内容包括：第一标段为码头、驳岸及船坞工程，第二标段为码头及集装箱堆场，第三标段为船坞工程。总工期提前 6 个月移交业主。



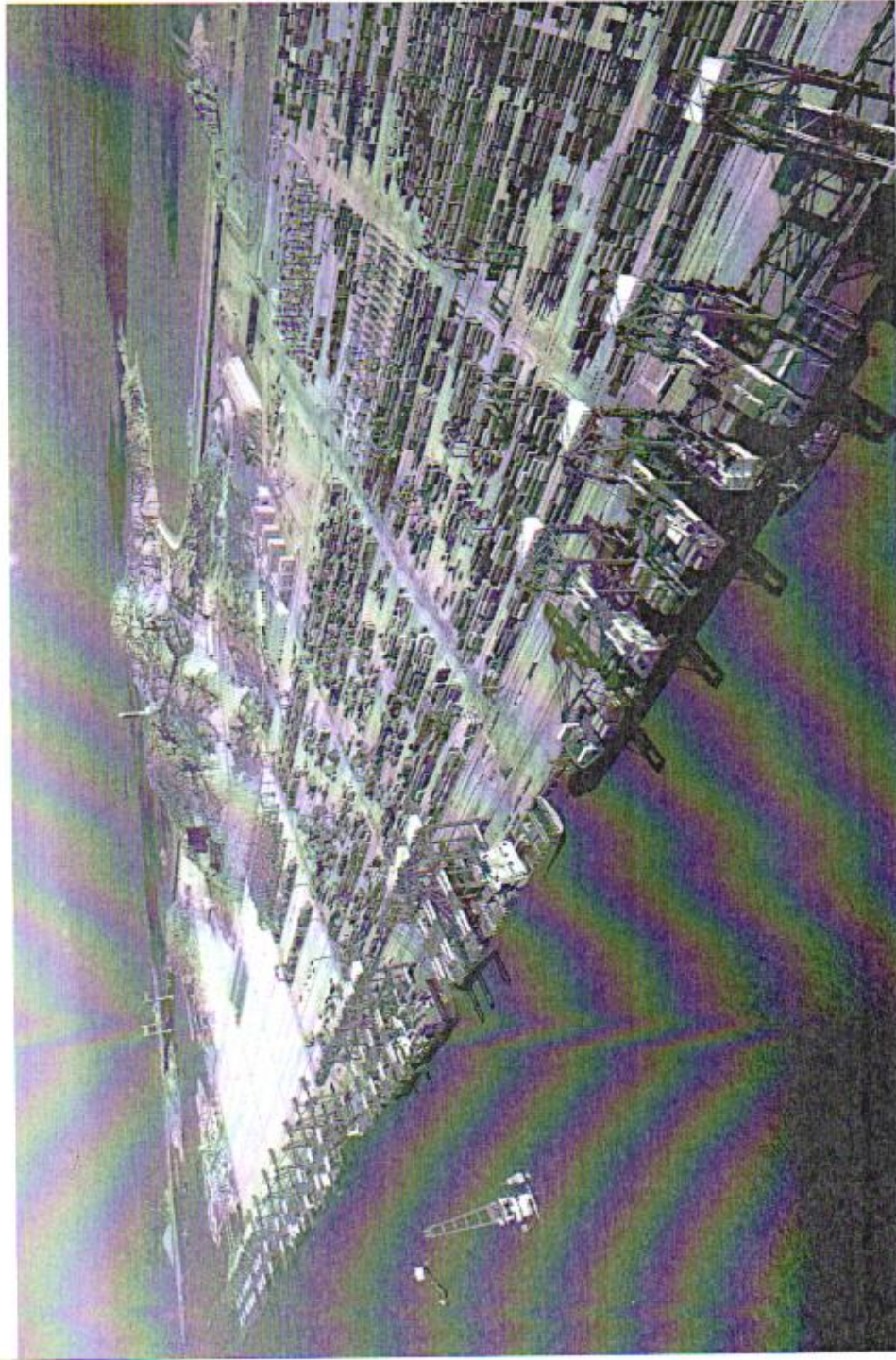
CRUDE OIL WHARF AND WATERWAY PROJECT UNDER MYANMAR-CHINA CRUDE OIL PIPELINE PROJECT, MYANMAR

Source: 2011/07/11

- THE CLIENT: 4 in 1: South East Asia Crude Oil Pipeline Company Ltd.
- DATE OF COMPLETION: 2011/11/14 (In Progress)
- MAIN WORKS: 4 in 1: 75,000,000 cubic meters of dredging and 4,500,000 cubic meters of reclamation (including plus/minus 100,000 cubic meters of reclamation design, dredging, construction and related works).
主要内容包括：第一标段为疏浚工程，第二标段为填海工程。
第三标段为填海工程。



220



QINHUANGDAO COAL TERMINAL PROJECT, CHINA

秦皇岛煤炭码头

DATE OF COMPLETION: 2005

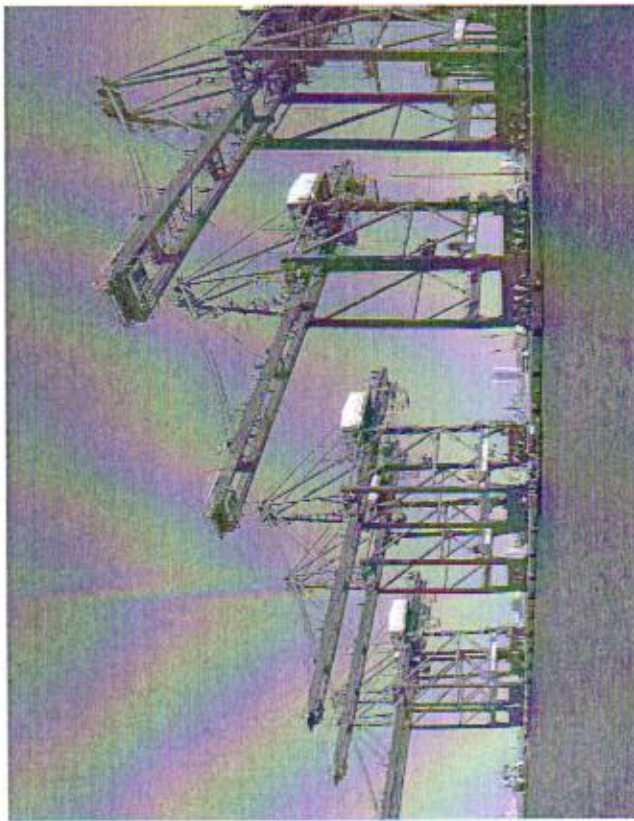
MAIN WORKS: 4 berths (two in 50,000t, one in 100,000t and one in 150,000t) with 4,187m quay walls, in the structure of gravity-type caissons.
 第四标段 2005 年中国煤炭集团工程。主要完成 1 个 15 万吨泊位、1 个 10 万吨泊位及 2 个 5 万吨泊位，共 1187 米的码头岸线；码头水工构筑物及陆域工程。

YANGSHANG DEEP WATER PORT PHASES I, II AND III - CONSTRUCTION OF MARINE TERMINAL, CHINA

阳海港深水码头

DATE OF COMPLETION: 2008

MAIN WORKS: 3 berths (comprising 2 phases, three berths in the total of 5,600m quay walls, accommodating the "Seagram" and "Super-Ajaxes" container carriers of 100,000DWT in weight).
 陆域工程及设计、施工总承包项目。主要完成一期工程 5 个深水泊位、陆域工程 1,600 米、码头岸线设计长度 6 米；二期工程 4 个深水泊位、岸线长度 1,400 米；三期工程 7 个深水泊位、岸线长度 2,600 米。可全天候装卸泊位 10 万吨级大型散货泊位 6 个 (第五、六号)。



RED SEA GATEWAY TERMINAL CIVIL WORKS CONTRACT, SAUDI ARABIA

- THE CLIENT: CHINA FULL STRUCTURE
- DATE OF COMPLETION: 10th Dec, 2009
- MAIN WORKS: 200,000,000 m³ of concrete (100,000 m³ of concrete blocks) and rebarwork, 70 million m³ excavation with the maximum depth of 15.7m and 30-million m³ rock removed by blasting, 40 million m³ suitable massive materials being re-used for rebarment.
- CHIEC has achieved a very extraordinary safety record in the award of "Five Million Man Years without Lost Time Injury" was presented by The Employer in January 2014.

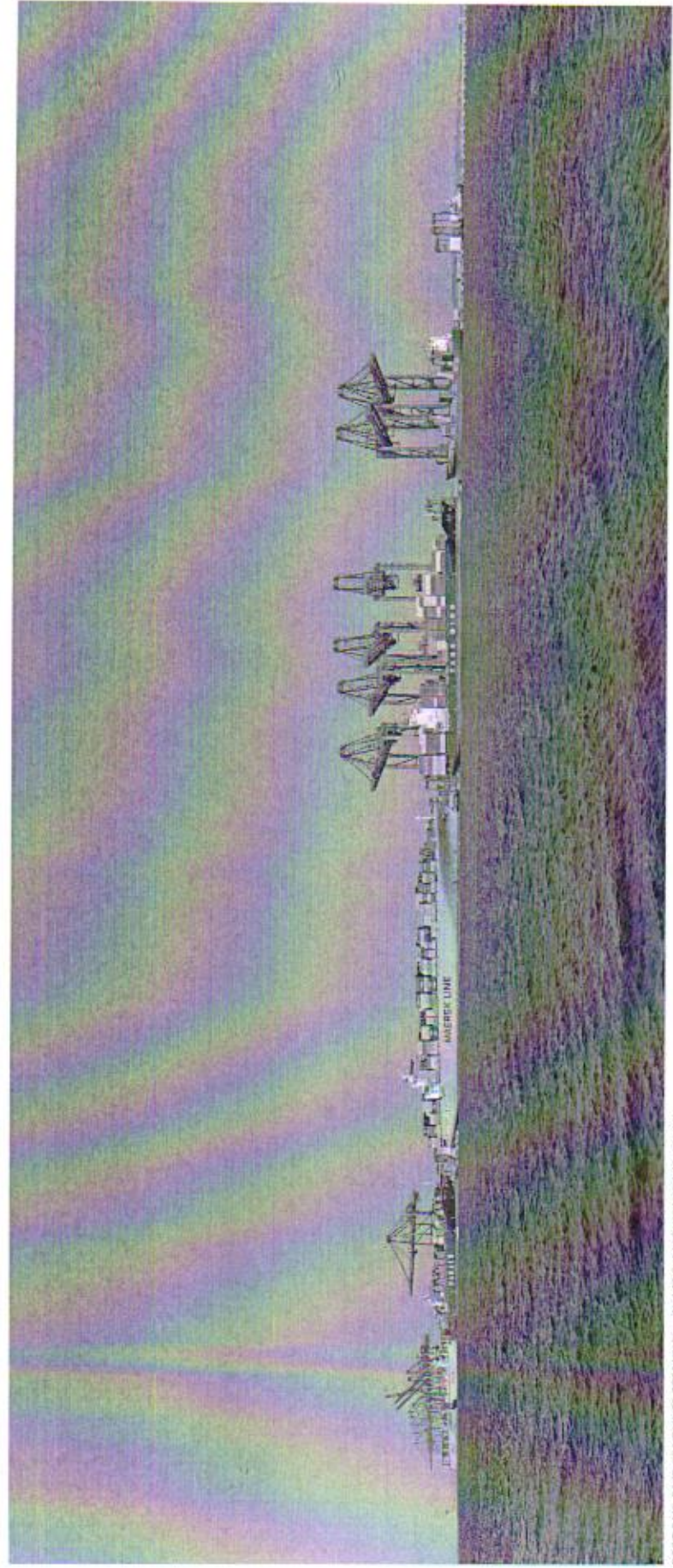
紅海港口碼頭工程，包括建造紅海港口碼頭岸壁及碼頭，共完成約 200 萬立方公尺之混凝土（100 萬立方公尺之預製混凝土塊）及鋼筋工程，7 億立方公尺之土方開挖，最大開挖深度為 15.7 公尺，並移走 40 萬立方公尺之適宜物料，用作鋼筋工程。



NEW DOHA PORT PROJECT – PORT BASIN AND BREAKWATER CONSTRUCTION, QATAR

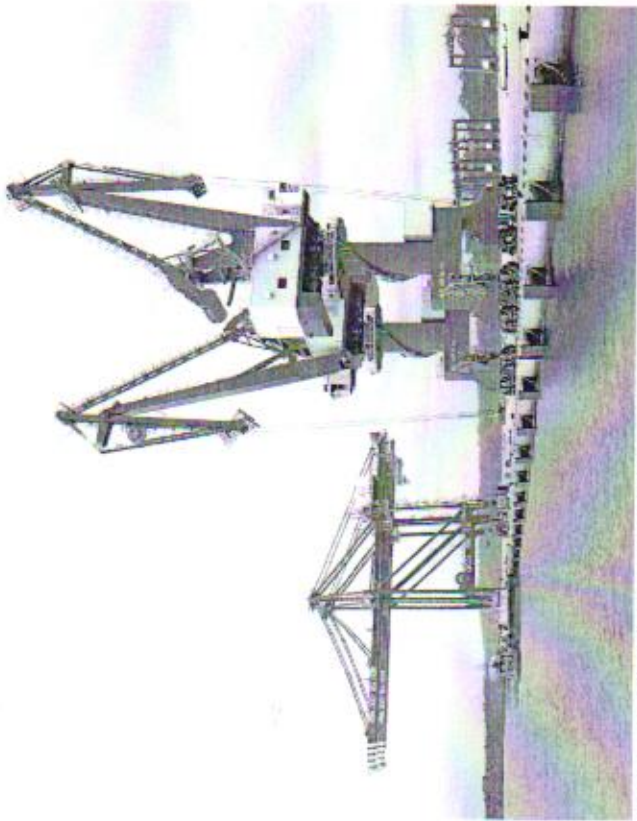
- THE CLIENT: CHINA FULL STRUCTURE
- DATE OF COMPLETION: 28th Jun., 2013
- MAIN WORKS: 2,700,000 m³ of concrete (1.4 million m³ of concrete blocks) and rebarwork, 70 million m³ excavation with the maximum depth of 15.7m and 30-million m³ rock removed by blasting, 40 million m³ suitable massive materials being re-used for rebarment.
- CHIEC has achieved a very extraordinary safety record in the award of "Five Million Man Years without Lost Time Injury" was presented by The Employer in January 2014.

新多哈港口碼頭工程，包括建造新多哈港口碼頭岸壁及碼頭，共完成約 2700 萬立方公尺之混凝土（140 萬立方公尺之預製混凝土塊）及鋼筋工程，7 億立方公尺之土方開挖，最大開挖深度為 15.7 公尺，並移走 40 萬立方公尺之適宜物料，用作鋼筋工程。



PORT SAID EAST CONTAINER TERMINAL - PHASE 2, MARINE WORKS, EGYPT

THE CLIENT is: Suez Canal Container Terminal S.A.E.
DATE OF COMPLETION is: 17 Jul. 2012
MAIN WORKS items: installing 4800 tps of 50m deep T-shaped backbone wall and 400 tps of 120m quay line, for 150,000 DWT container units. The contract was completed 37 days ahead of schedule.
项目主要工程内容: 安装 4800 吨的 50 米深 T 型背骨墙和 400 吨的 120 米长的 1200 吨级泊位, 用于 15 万吨级集装箱船。合同提前 37 天完工。



KRIBI DEEP SEA PORT PROJECT IN CAMEROON (EPC)

THE CLIENT is the Ministry of Economy Planning and Regional Development (Ministry) of Cameroon.

DATE OF COMPLETION is L.O.C. 10 Jun., 2014.

MAIN WORKS include: a 40000t multi-response berth & a 50000t container berth in the structure of gravity caissons, 272m and 399m long respectively; dredger, 1325m long, stacking quantity 260,000m³; 300,000m³ large rectangular; 200,000m³ near square port, electric-mechanical berths.

设计内容包括：深水泊位1座，重力式单柱式泊位1座，4万吨级集装箱泊位1座，4万吨级通用泊位1座，重力式浮吊码头1座，15米，1355米长的浮吊码头，建设量约28.4万立方米，填海约29万立方米。及港口岸线基础设施工程。



PORT OF WALVIS BAY NEW CONTAINER TERMINAL ON RECLAIMED LAND

THE CLIENT is the Namibian Port Authority (Namport) in Walvis Bay, SWA.

DATE OF COMPLETION is L.O.C. In Progress / 02.

MAIN WORKS include: a container terminal with 600m quay, two and six-bay yard accommodating 85,000 TEU, two 100,000 m² open-plan structures, to handle an annual throughput of 650,000 TEU, a fuel terminal of 37,000 m² with capacity of 200,000 MT, storage, 300,000 m² open-plan structure of 350m long x 4,500m wide, an area of 45,000 m² for 25,000 TEU.

工程包括：600m 深水泊位及船位2座，重力式泊位2座，20000 TEU 集装箱泊位1座，100000 m² 敞开式平房库2座，100000 m² 敞开式平房库3座，45000 m² 燃料库，燃料库长370m，宽4.5km，面积为45000 m²，可堆存25000 TEU。



GIRON PORT OF LOANGO EXTENSION PROJECT CONTAINER TERMINAL, ANGOLA

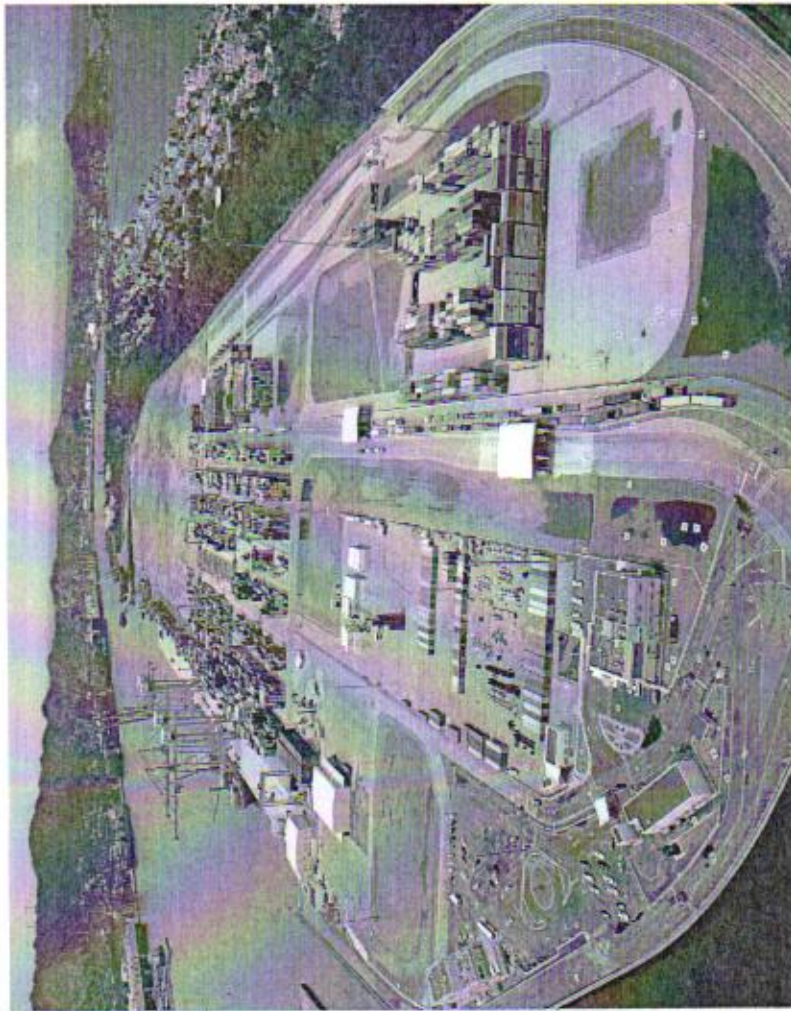
THE CLIENT is the Republic of Angola Ministry of Transport

DATE OF COMPLETION is L.O.C. 31 Oct., 2013

MAIN WORKS include: a container terminal with 4 10m long quay walls upon flood water limit, six cranes, with steel-reinforced concrete beam supported by 621 steel pile piles, a mineral terminal in gravity type structure of large-size caissons, the caissons being encased, each 2,750t in weight, frame and stack yard of 100,000 m².

工程包括：4个泊位，4座，重力式单柱泊位，重力式单柱泊位主要结构 414 米长重力式单柱，梁为重力式梁式，主梁由 621 根钢管桩支撑，上部结构为重力式单柱，重力式单柱每座重量为 2750 吨，框架和堆场面积 100,000 m²。





CMAA CONTAINER TERMINAL PHASE 1 STAGE 1A CIVIL WORKS IN MANZANILLO, COLOMBIA

THE CLIENT is: Cotacon Manzanillo, S.A. de C.V.
 DATE OF COMPLETION is 11th Dec, 2013
 MAIN WORKS include a terminal capable of handling approximately 400,000 TEU per year with 720m long quaywall, approximately 200 berthing stations and
 项目旨在处理能力为 400,000 TEU, 主要施工内容包括但不限于: 720 米长的码头岸线, 面积约 20.5 万平方米的堆场。

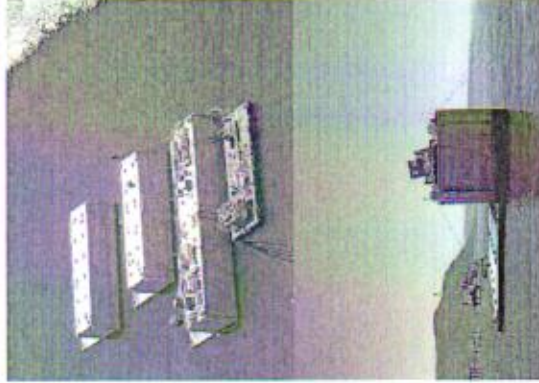


BREAKWATER FACILITY FOR THE ENERGIA COSTA AZUL LNG REGASIFICATION PROJECT, MEXICO

项目旨在处理液化天然气 (LNG)

THE CLIENT is: Energia Costa Azul (ECA)
 DATE OF COMPLETION is 31 Dec, 2007

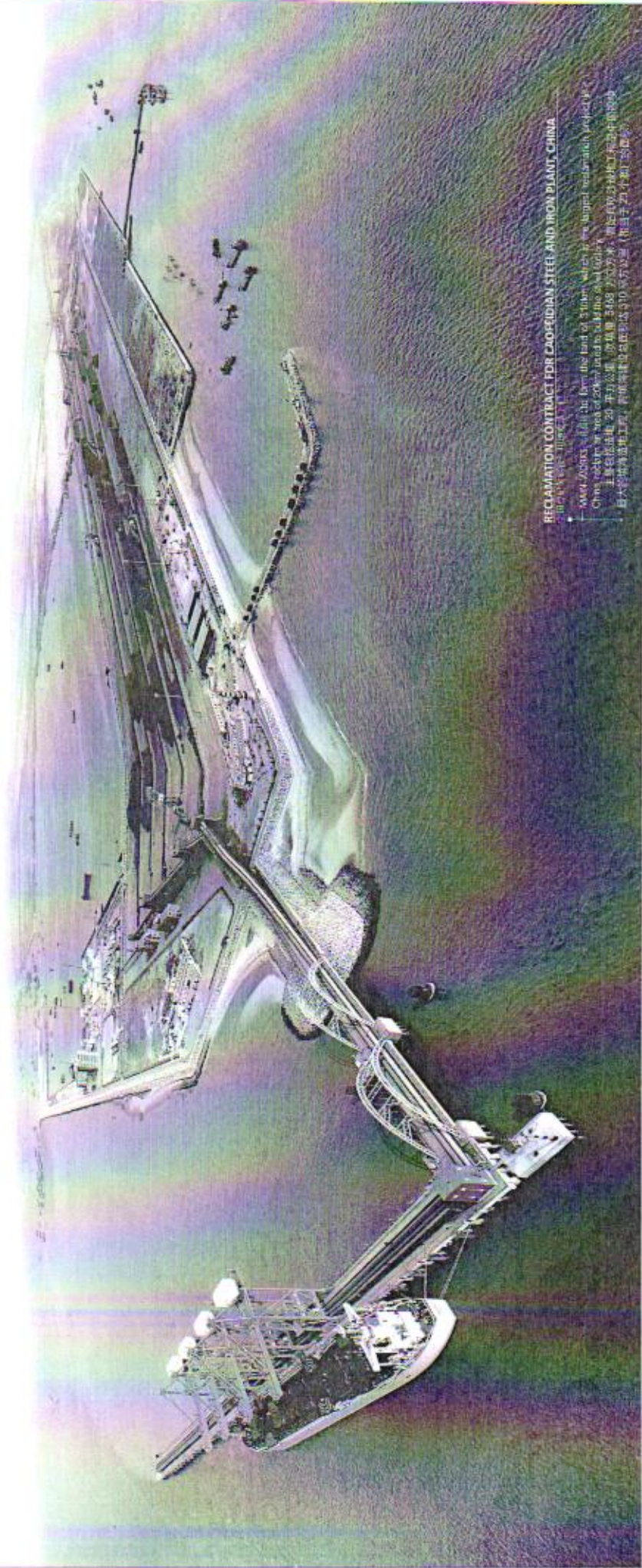
MAIN WORKS include breakwater facility of 700m long to 20m water depth at 300m offshore in the structure of precast concrete caissons each of which dimensions are approx. 13,000T. The caissons is exposed to the extreme adverse weather particularly during the arrival of El Niño if at all times which had to be susceptible from movement to Mexico.
 项目旨在设计、建造和运营项目, 主要结构长 700 米, 水深 20 米的预铸混凝土结构, 距岸约 300 米, 用于容纳预铸混凝土结构, 每个重量约 13,000 吨, 长 36 米, 宽 25.5 米, 重 1.7 万吨。项目旨在处理液化天然气, 主要结构在恶劣天气条件下, 特别是在厄尔尼诺现象期间, 必须能够承受移动。



疏浚吹填 DREDGING AND RECLAMATION

CHINA HARBOR & ENGINEERING COMPANY LTD. 中国港湾工程有限责任公司

THE HARBOR & ENGINEERING COMPANY LTD.

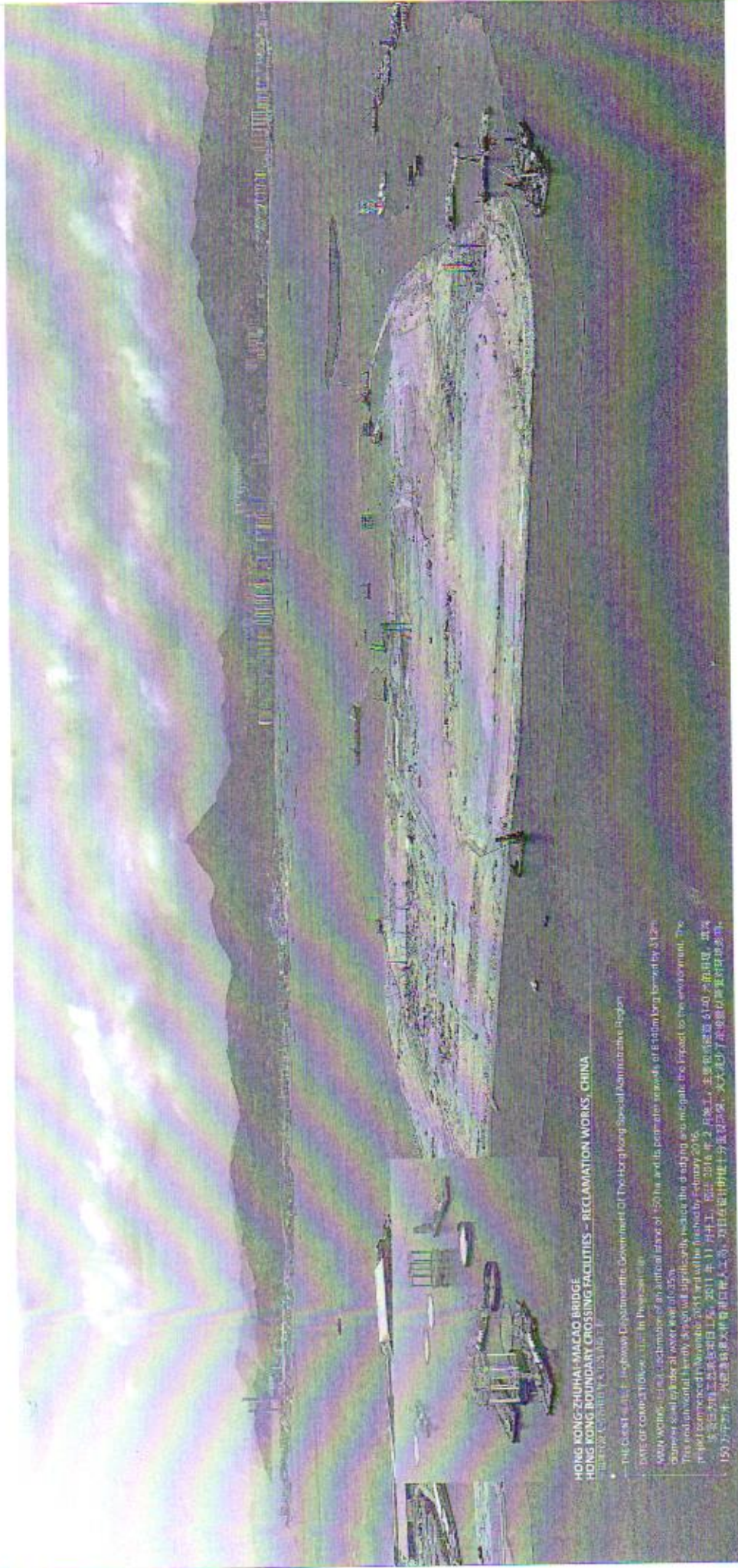


RECLAMATION CONTRACT FOR CHINESE STEEL AND IRON PLANT, CHINA

Area: 4,000,000 m², from the part of 3,000,000 m², which is the largest reclamation project in China. Total area of 7,000,000 m² and the total cost of 1.5 billion USD.
上海宝钢集团 3,000,000 平方米，为宝钢集团最大的吹填工程，总吹填面积为 7,000,000 平方米，总投资 1.5 亿美元。

疏浚吹填 DREDGING AND RECLAMATION

CHINA ZHONGYUAN ENGINEERING CONSULTING GROUP LIMITED



HONG KONG-ZHUHAI-MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES - RECLAMATION WORKS, CHINA

The contract was awarded to the Government of The Hong Kong Special Administrative Region (the Government) by the tendering process. The contract involves the construction of an artificial island of 150 ha, and its perimeter works of 8.19 km long formed by 3.2 km of deep water quay and 4.99 km of diaphragm wall. The island is to be used as a major interchange for the bridge. The island is to be used as a major interchange for the bridge. The island is to be used as a major interchange for the bridge.

This contract was awarded to the Government of The Hong Kong Special Administrative Region (the Government) by the tendering process. The contract involves the construction of an artificial island of 150 ha, and its perimeter works of 8.19 km long formed by 3.2 km of deep water quay and 4.99 km of diaphragm wall. The island is to be used as a major interchange for the bridge. The island is to be used as a major interchange for the bridge. The island is to be used as a major interchange for the bridge.