

<b>參考 Ref.: 2913-NMDC-E-GOV-L-0002</b>	
日期：中華民國 115 年 1 月 21 日 回覆：需要於 115 年 2 月 4 日回覆 等級：急件 <input type="checkbox"/> 一般 <input checked="" type="checkbox"/>	<b>Date:</b> 21 January 2026 <b>Reply Required:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Required Date:</b> 04 February 2026 Urgent <input type="checkbox"/> Normal <input checked="" type="checkbox"/>
正本：交通部航港局 收件者：黃梓庭 先生 傳真：04-26584667 電子信箱：tthuang01@motcmpb.gov.tw 副本抄送： 台灣電力公司核能火力發電工程處 北部施工處 黃彥斌 處長 傳真：+886 4 26380617 Email: u685192@taipower.com.tw 通霄火力電廠 Email: u440925@taipower.com.tw 臺灣電力公司核火工處 台北總部 Email: u157178@taipower.com.tw P.O.E. 香港商海油工程技術有限公司 Email: pc.doc@petro-offshore.com.tw	<b>To: Maritime Port Bureau. MOTC</b> <b>Attention:</b> Mr. Huang Fax: +886 04 26584667 <b>Email:</b> tthuang01@motcmpb.gov.tw <b>Cc:</b> Taiwan Power Company, DNFP, PEIPU Construction Office Mr. Huang, Yan-Bin, Director Fax: +886 4 26380617 Email: u685192@taipower.com.tw Tung-Hsiao Power Plant Email: u440925@taipower.com.tw Taiwan Power Company, DNFP Email: u157178@taipower.com.tw PETRO-OFFSHORE Engineering Limited Email: pc.doc@petro-offshore.com.tw
通霄電廠二期更新改建計畫海底輸氣管線統包工程 契約編號：63312547020 NMDC Energy 專案編號 2913	<b>Project:</b> Tung-Hsiao Power Plant 2 <sup>nd</sup> Stage Renewal Project Turn-Key Contract of Subsea Gas Pipeline Contract No. 63312547020 NMDC Energy Project No. 2913
主旨：辦理礙航公告(台中至通霄區域)事宜	<b>Subject:</b> Application for Notice to Mariners (Taichung to Tung-Hsiao Area)

說明：

### Explanation

- 一、依據《航路標識條例》及所屬「航路標識設置技術規範」第 32-1 點規定，本公司（阿拉伯聯合大公國商安達希能源股份有限公司）承攬通霄電廠二期更新改建計畫，雇用天然氣管鋪設船隻 DLS-4200 以及其支援船隻 MP Prowess、Sunny Bright、FVN Provider 及 FVN Performer（附件一），將於指定海域進行離岸工程作業，確有礙航情事。
- 二、爰依主管機關規定檢附「Navigation Caution Points Overview Chart」（航行注意點概覽圖）申請文件一份（附件二），作業期間自中華民國 115 年 4 月 1 日起至中華民國 115 年 10 月 22 日止。
- 三、敬請交通部航港局惠予核准並發布礙航公告（航船布告），以確保航行安全，並副知本公司。航行位置如下

PIPELINE		
POINT	WORKING AREA (Lat/lon)	
A	024°12'17.60"N	120°27'44.24"E
B	024°13'59.33"N	120°22'56.85"E
C	024°27'21.10"N	120°27'04.26"E
D	024°31'05.65"N	120°32'55.66"E
E	024°32'11.05"N	120°36'45.02"E
F	024°29'55.84"N	120°40'23.66"E
G	024°28'51.05"N	120°39'35.30"E
H	024°31'04.70"N	120°35'58.92"E
I	024°30'12.00"N	120°33'04.89"E
J	024°26'22.97"N	120°27'41.64"E
K	024°15'19.27"N	120°24'36.08"E
L	024°13'30.44"N	120°28'15.07"E

如需領取文件，請聯絡：

吳先生 ( Mr. Peter Wu ) , 電話：+886-934 471 931, 電子郵件：peter.wu@nmdc-group.com

倘若尚需任何補充資料或進一步說明，敬請隨時與我們聯繫。

謹此致謝，感謝貴方於本案之協助與配合。

In accordance with the Aids to Navigation Act and Point 32-1 of the Technical Specifications for the Installation of Aids to Navigation, our company (NMDC Energy), as the contractor for Tung-Hsiao Power Plant 2<sup>nd</sup> Stage Renewal Project Turn-Key Contract of Subsea Gas Pipeline project, will employ the pipeline installation vessel DLS-4200, and its supporting vessels MP Prowess, Sunny Bright, FWN Provider, and FWN Performer to conduct offshore engineering operations in the designated sea area, which will indeed constitute a navigation hazard.

Accordingly, in compliance with the regulations of the competent authority, we hereby enclose one copy of the application document titled "Navigation Caution Points Overview Chart" (Attachment 1). The operation period is from April 1<sup>st</sup>, 2026 to October 22<sup>nd</sup>, 2026 of the Republic of China.

Contractor respectfully request that Maritime Port Bureau, Ministry of Transportation and Communications kindly approve this application for the issuance of a navigation hazard notice (navigational warning), so as to ensure navigational safety, and provide a copy to our company for reference.

Navigation Position:

PIPELINE		
POINT	WORKING AREA (Lat/lon)	
A	024°12'17.60"N	120°27'44.24"E
B	024°13'59.33"N	120°22'56.85"E
C	024°27'21.10"N	120°27'04.26"E
D	024°31'05.65"N	120°32'55.66"E
E	024°32'11.05"N	120°36'45.02"E
F	024°29'55.84"N	120°40'23.66"E
G	024°28'51.05"N	120°39'35.30"E

PIPELINE		
H	024°31'04.70"N	120°35'58.92"E
I	024°30'12.00"N	120°33'04.89"E
J	024°26'22.97"N	120°27'41.64"E
K	024°15'19.27"N	120°24'36.08"E
L	024°13'30.44"N	120°28'15.07"E

Contractor kindly request Maritime Port Bureau, Ministry of Transportation and Communications to notify the Contractor so that arrangements can be made for collection of the original sealed documents.

**For collection, please contact:**  
**Mr. Peter Wu**  
**Tel: +886-934-471-931**  
**Email: peter.wu@nmdc-group.com**

Should you require any additional information or clarification, please do not hesitate to contact us.

Contractor appreciates MPB cooperation and assistance in this matter.

此致 Sincerely Yours,



**Eric van Meerendonk**  
**專案總監 Project Director**

文件負責人/ Document PIC: Evan Su/Walaa Gomaa

Distribution / No. of Copy	DNFPP PPCO		DNFPP Taipei		Tung-Hsiao Power Plant		CECI		POE	
	<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	1	<input type="checkbox"/>	0	<input checked="" type="checkbox"/>	2

附件 Attachment:

- 1) 辦理船隻礙航公告許可函報告\_Vessels apply for Mariner to Notice report.
- 2) 航行注意點概覽圖\_Navigation Caution Points Overview Chart

## **Attachment 1**

辦理船隻礙航公告許可函報告

**Vessels apply for Mariner to Notice report**



TAIWAN POWER COMPANY  
TUNG-HSIAO POWER PLANT 2ND STAGE RENEWAL  
PROJECT TURN-KEY CONTRACT OF SUBSEA GAS PIPELINE  
SR NO. PRJ-SEC-2025-293  
NMDC ENERGY PROJECT NO. 2913



# 通霄電廠二期更新改建計畫 申請船舶之「辦理礙航公告許可函」

Project No. 2913 Submarine Gas Pipeline Turnkey Project  
for Tung-Hsiao Power Plant Phase II Renewal and  
Reconstruction Plan

## Notice to Mariner (Maritime Port Bureau) - Approval Letter



TAIWAN POWER COMPANY  
TUNG-HSIAO POWER PLANT 2ND STAGE RENEWAL  
PROJECT TURN-KEY CONTRACT OF SUBSEA GAS PIPELINE  
SR NO. PRJ-SEC-2025-293  
NMDC ENERGY PROJECT NO. 2913



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5. 緊急聯絡窗口 Emergency Contact





TAIWAN POWER COMPANY  
TUNG-HSIAO POWER PLANT 2ND STAGE RENEWAL  
PROJECT TURN-KEY CONTRACT OF SUBSEA GAS PIPELINE  
SR NO. PRJ-SEC-2025-293  
NMDC ENERGY PROJECT NO. 2913



1. 船隻總表 Vessel List

項次	船名	MMSI	IMO	用途 Purpose	船籍 Flag	船籍港 Reg. port
1	DLS-4200	470212000	9593490	管道鋪設船 Pipe laying vessel	阿聯酋 UAE	阿布達比 Abu Dhabi
2	MP Prowess	565350000	9725811	錨作業拖船 Anchor Handling Tug	新加坡 Singapore	新加坡 Singapore
3	FWN Provider	244060802	9770713	管道運輸船 Pipes Carrying Vessel	荷蘭 NETHERLANDS	鹿特丹 Rotterdam
4	FWN Performer	244010945	9770701	管道運輸船 Pipes Carrying Vessel	荷蘭 NETHERLANDS	鹿特丹 Rotterdam
5	Sunny Bright	416254700	9668520	離岸作業支援船 Offshore Support Vessel	台灣 Taiwan	高雄港 Kaohsiung Port



	<b>TAIWAN POWER COMPANY</b> <b>TUNG-HSIAO POWER PLANT 2ND STAGE RENEWAL</b> <b>PROJECT TURN-KEY CONTRACT OF SUBSEA GAS PIPELINE</b> <b>SR NO. PRJ-SEC-2025-293</b> <b>NMDC ENERGY PROJECT NO. 2913</b>	 台湾電力公司 TAIWAN POWER COMPANY
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## 2. 鋪設作業範圍 Pipe-laying area

本案主要工程範圍為海底輸氣管道統包工程，預計埋設 2 條 36”海底輸氣管道，連接台中業化天然氣接收站至通霄電廠，最大水深約達 58 公尺，深海段管道間距約 500 公尺，平面總長度分別估計約為 55 公里及 56 公里，工址區位自臺中港區工業西路南側朝西穿越工業專業區(Ⅱ)西海堤，並沿導流堤北側入海，後沿臺中港區範圍南界內緣向外海延伸，並於港區範圍西界外側北轉，續與中油公司之永安至通霄既有海管保持至少 1,000 公尺距離，至苗栗通霄外海後，於通霄電廠取排水專用海域南緣上岸進入通霄電廠。

The main scope of this project is an EPC (Engineering, Procurement, and Construction) contract for subsea gas pipelines. It is planned to lay two 36-inch subsea gas pipelines connecting the Taichung LNG Receiving Station to the Tong-Hsiao Power Plant. The maximum water depth reaches approximately 58 meters, and the spacing between pipelines in the deep-sea section is about 500 meters. The estimated total horizontal lengths are approximately 55 km and 56 km, respectively.

The construction site begins from the south side of Industrial West Road in the Taichung Port area, heading west across the Industrial Zone (Ⅱ) western seawall, then enters the sea along the north side of the breakwater. The route subsequently extends outward along the southern edge of the Taichung Port area, then turns north outside the western boundary of the port area, maintaining a minimum distance of 1,000 meters from CPC Corporation’s existing Yong’an-to Tong-Hsiao subsea pipeline. After reaching the offshore area of Tong-Hsiao, the pipelines land at the southern edge of the dedicated drainage marine area of the Tong-Hsiao Power Plant and enter the facility.

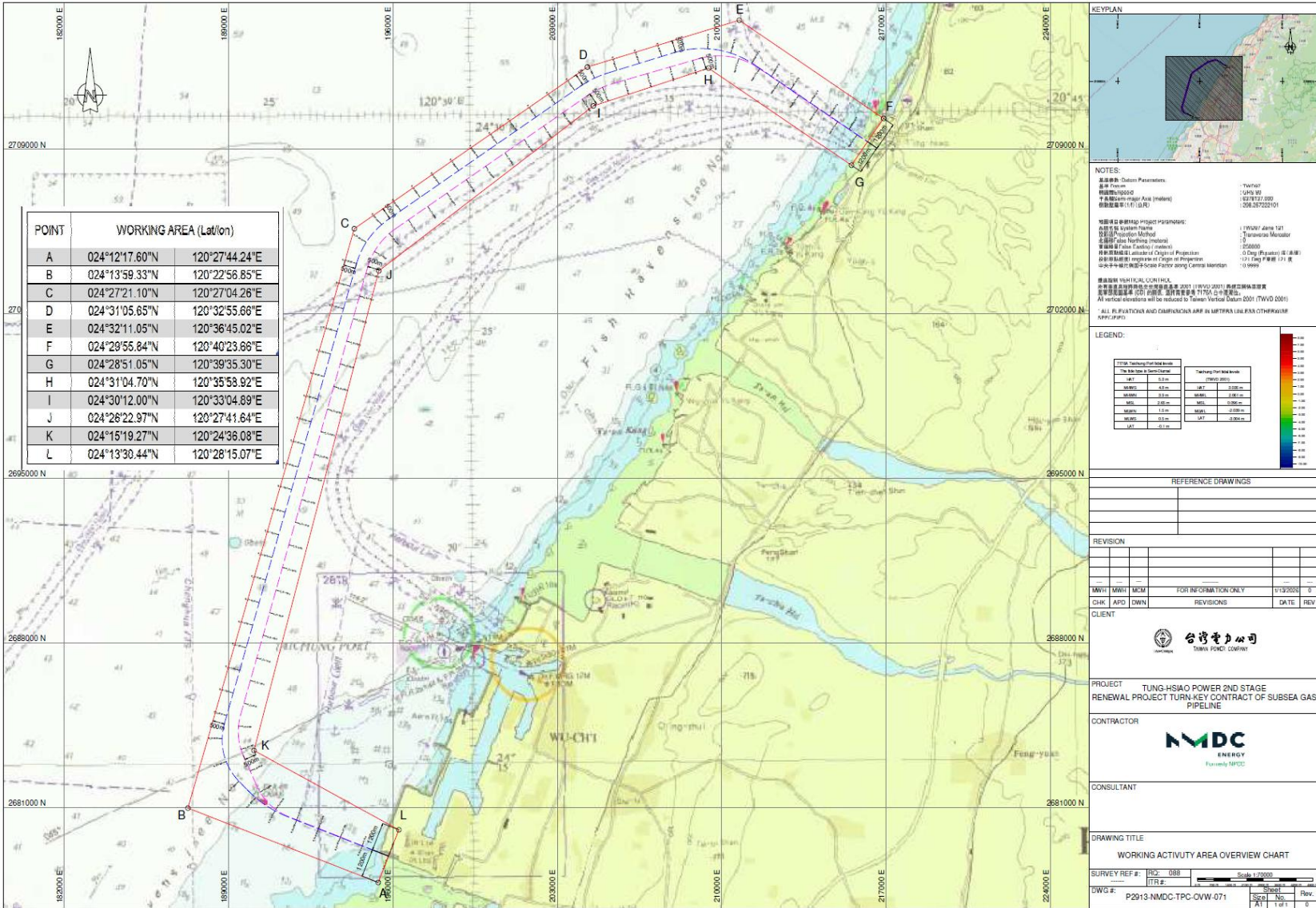
	<b>TAIWAN POWER COMPANY</b> <b>TUNG-HSIAO POWER PLANT 2ND STAGE RENEWAL</b> <b>PROJECT TURN-KEY CONTRACT OF SUBSEA GAS PIPELINE</b> <b>SR NO. PRJ-SEC-2025-293</b> <b>NMDC ENERGY PROJECT NO. 2913</b>	
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作業範圍的經緯度區域如下: The latitude and longitude coordinates of the operational area are as follows:

PIPELINE		
POINT	WORKING AREA (Lat/lon)	
A	024°12'17.60"N	120°27'44.24"E
B	024°13'59.33"N	120°22'56.85"E
C	024°27'21.10"N	120°27'04.26"E
D	024°31'05.65"N	120°32'55.66"E
E	024°32'11.05"N	120°36'45.02"E
F	024°29'55.84"N	120°40'23.66"E
G	024°28'51.05"N	120°39'35.30"E
H	024°31'04.70"N	120°35'58.92"E
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**TAIWAN POWER COMPANY**  
**TUNG-HSIAO POWER PLANT 2ND STAGE RENEWAL**  
**PROJECT TURN-KEY CONTRACT OF SUBSEA GAS PIPELINE**  
**SR NO. PRJ-SEC-2025-293**  
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TAIWAN POWER COMPANY  
TUNG-HSIAO POWER PLANT 2ND STAGE RENEWAL  
PROJECT TURN-KEY CONTRACT OF SUBSEA GAS PIPELINE  
SR NO. PRJ-SEC-2025-293  
NMDC ENERGY PROJECT NO. 2913



### 3. 預計施工期程 Expected Period of Construction

通霄電廠二期更新改建計畫海底輸氣管線統包工程之鋪設作業期程預計自預計將開始於民國 115 年 2 月 15 號至 115 年 12 月 31 號，實際施工時程需視天候與工程而定。檢附相關資料如下，惠請協助發佈航船佈告。

The pipe laying schedule for the subsea gas pipeline EPC project of the TUNG-HSIAO Power Plant Phase II renovation and upgrade plan is expected to commence on February 15, 2026, and continue until December 31, 2026. The actual construction schedule will be subject to weather conditions and engineering progress.

Relevant materials are attached for your reference. Kindly assist in issuing the Mariner notice.

#### 4. 船舶資料 Vessel Information



基本資料 Basic information	船名 vessel name:	DLS-4200
	IMO number:	9593490
	船籍 Flag:	United Arab Emirates (UAE)
	總長 Length over all:	196.6m
	船寬 Beam:	43.4m
所屬公司 Vessel owner	阿拉伯聯合大公國商安達希能源股份有限公司 NMDC Energy	
預計作業時間 Working period	2026 年 2 月 15 日至 2026 年 12 月 31 日 15 <sup>th</sup> . Feb. 2026 ~ 31 <sup>st</sup> . Dec. 2026	



基本資料 Basic information	船名 vessel name:	FVN Provider
	IMO number:	9770713
	船籍 Flag:	NETHERLANDS
	總長 Length over all:	124.67 m
	船寬 Beam:	18 m
所屬公司 Vessel owner	FVN Provider / Rederij FVN Provider	
預計作業時間 Working period	2026 年 2 月 15 日至 2026 年 12 月 31 日 15 <sup>th</sup> . Feb. 2026 ~ 31 <sup>st</sup> . Dec. 2026	



marinetraffic  
 © Erwin Willemse

基本資料 Basic information	船名 vessel name:	FVN Performer
	IMO number:	9770701
	船籍 Flag:	Netherlands
	總長 Length over all:	124.67 m
	船寬 Beam:	18 m
所屬公司 Vessel owner	FVN Performer / Rederij FVN Performer	
預計作業時間 Working period	2026 年 2 月 15 日至 2026 年 12 月 31 日 15 <sup>th</sup> . Feb. 2026 ~ 31 <sup>st</sup> . Dec. 2026	



TAIWAN POWER COMPANY  
TUNG-HSIAO POWER PLANT 2ND STAGE RENEWAL  
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基本資料 Basic information	船名 vessel name:	MP Prowess
	IMO number:	9725811
	船籍 Flag:	Singapore
	總長 Length over all:	70 m
	船寬 Beam:	16.60 m
所屬公司 Vessel owner	MP Prowess / Marco Polo Offshore (III) Pte Ltd	
預計作業時間 Working period	2026 年 2 月 15 日至 2026 年 12 月 31 日 15 <sup>th</sup> . Feb. 2026 ~ 31 <sup>st</sup> . Dec. 2026	



基本資料 Basic information	船名 vessel name:	Sunny Bright
	IMO number:	9668520
	船籍 Flag:	Taiwan / Kaohsiung Port
	總長 Length over all:	53.8m
	船寬 Beam:	13m
所屬公司 Vessel owner	Sunny Bright Marine Co., Ltd.	
預計作業時間 Working period	2026 年 2 月 15 日至 2026 年 12 月 31 日 15 <sup>th</sup> . Feb. 2026 ~ 31 <sup>st</sup> . Dec. 2026	



TAIWAN POWER COMPANY  
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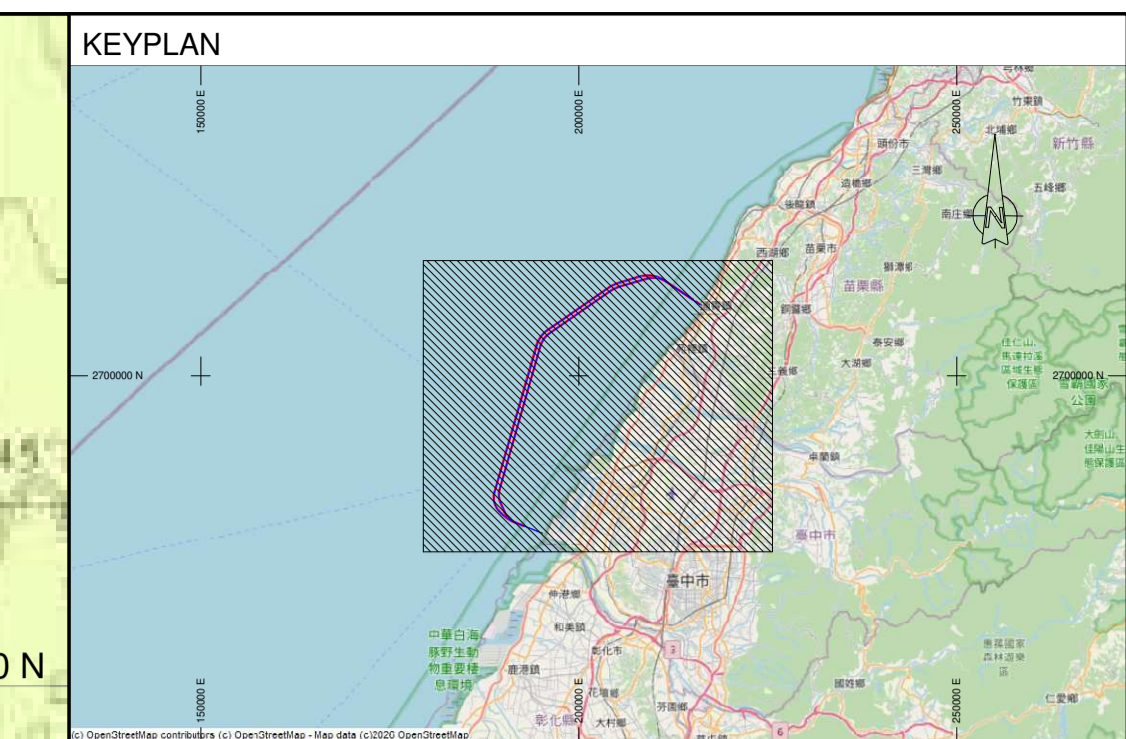
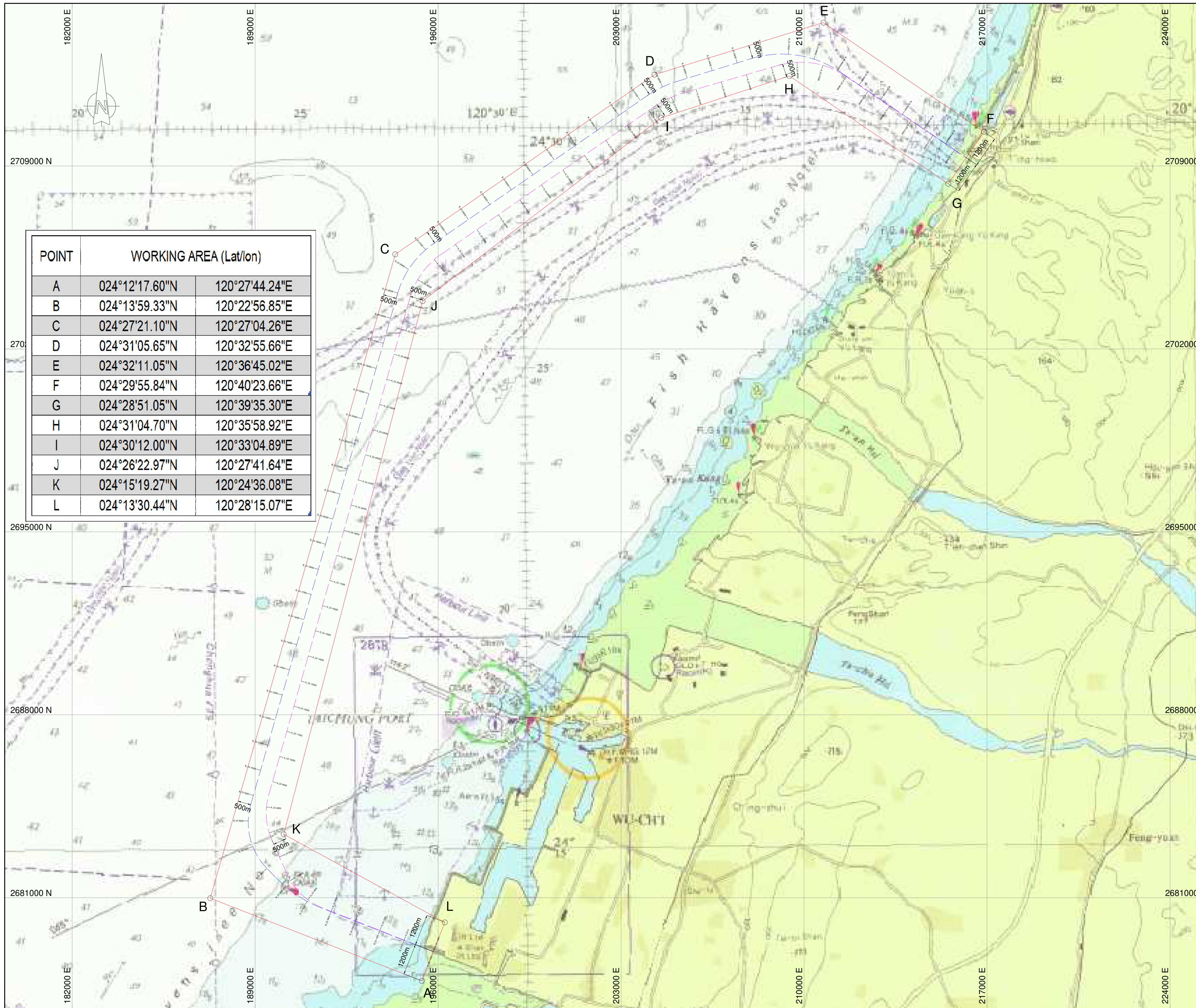
## 5. 緊急聯絡窗口 Offshore Emergency contact

職稱與姓名 Position and Name	手機號碼 Mobile No.	電子郵件 e-mail address
資深離岸專案經理 Sr. Offshore Project Manager Walaa Gomaa	+886-965 416 780	<a href="mailto:walaa.gomaa@nmdc-group.com">walaa.gomaa@nmdc-group.com</a>
海事營運經理 Offshore Operations Manager Feras Ahmad	+971 50 9959524	<a href="mailto:feras.ahmad@nmdc-group.com">feras.ahmad@nmdc-group.com</a>
海事經理 Offshore Manager 吳宗憲 Peter Wu	+886-934471931	<a href="mailto:peter.wu@nmdc-group.com">peter.wu@nmdc-group.com</a>
專案環安衛經理 HSE Manager 葉智誠 Sam Yeh	+886 921 971 450	<a href="mailto:chih.yeh@nmdc-group.com">chih.yeh@nmdc-group.com</a>

## **Attachment 2**

航行注意點概覽圖

**Navigation Caution Points Overview Chart**



POINT	WORKING AREA (Lat/lon)	
A	024°12'17.60"N	120°27'44.24"E
B	024°13'59.33"N	120°22'56.85"E
C	024°27'21.10"N	120°27'04.26"E
D	024°31'05.65"N	120°32'55.66"E
E	024°32'11.05"N	120°36'45.02"E
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K	024°15'19.27"N	120°24'36.08"E
L	024°13'30.44"N	120°28'15.07"E

**NOTES:**

基準參數 Datum Parameters: : TWD97  
 基準 Datum : GRS 80  
 橢圓體 Ellipsoid : 6378137.000  
 半長軸 Semi-major Axis (meters) : 298.257222101  
 倒數壓扁率 (1/f) (公尺) : 0.9999

地圖項目參數 Map Project Parameters: : TWD97 Zone 121  
 系統名稱 System Name : Transverse Mercator  
 投影法 Projection Method : 0  
 北偏移 False Northing (meters) : 250000  
 東偏移 False Easting (meters) : 0 Deg (Equator) 度 (赤道)  
 投影原點緯度 Latitude of Origin of Projection : 121 Deg E 東經 121 度  
 中央子午線比例因子 Scale Factor along Central Meridian : 0.9999

垂直控制 VERTICAL CONTROL  
 所有垂直高程將降至台灣垂直基準 2001 (TWVD 2001) 將建立關係並證實海軍部海圖基準 (CD) 的關係。這需要參考 7176A 台中港潮位。  
 All vertical elevations will be reduced to Taiwan Vertical Datum 2001 (TWVD 2001)

\* ALL ELEVATIONS AND DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

**LEGEND:**

7176A Taichung Port tidal levels		Taichung Port tidal levels (TWVD 2001)	
The tide type is Semi-Diurnal			
HAT	5.3 m	HAT	3.025 m
MHW	4.8 m	MHW	2.961 m
MWN	3.9 m	MSL	0.096 m
MSL	2.65 m	MLW	-2.039 m
MLWN	1.5 m	LAT	-3.004 m
MLWS	0.5 m		
LAT	-0.1 m		

**REFERENCE DRAWINGS**


**REVISION**

NO.	DATE	BY	CHK	APP	DESCRIPTION
---	---	---	---	---	---
MWH	MWH	MCM			FOR INFORMATION ONLY
1/13/2026	0				

**CLIENT**

台灣電力公司  
TAIPOWER TAIWAN POWER COMPANY

**PROJECT** TUNG-HSIAO POWER 2ND STAGE RENEWAL PROJECT TURN-KEY CONTRACT OF SUBSEA GAS PIPELINE

**CONTRACTOR**

NMD ENERGY  
Formerly NPCC

**CONSULTANT**

**DRAWING TITLE** WORKING ACTIVITY AREA OVERVIEW CHART

SURVEY REF #:	RQ: 088	Scale 1:70000
DWG #:	ITR #:	
P2913-NMDC-TPC-OVW-071		
Sheet No.	Size	Rev.
A1	1 of 1	0