

Resume

Name : Mr. Jakkaphan Seerat

Position : Welder

CONTACT

Address	: 19 Village No.5 Huwltoey Sub-district , Samsung district, Khonkaen Province Thailand
Telephone numbers	: 065-5098722
Email	: aomnamola234@gmail.com

PROFILE

Age	: 39 Yrs.
Date of Birth	: October, 22 1985
Religion	: Buddhism
Place of Birth	: Khonkaen Province
Nationality	: Thai
Marital Status	: Single
Health	: Excellece
Height	: 167 cm.
Weight	: 62 kg.
Blood group	: A
ID card	: 1 4406 00041578
Passport	: AC3655049
Date of Issue	: July 22, 2022
Date of expiry	: July 21, 2032
Seaman Book	: J19468
Date of Issue	: May 6, 2025
Date of expiry	: May 5, 2030

EDUCATION

Secondary education at Bannongwang school

May 30, 2025

Company : THAI NIPPON STEEL ENGINEERING & CONSTRUCTION

Welder NO. : FCS-4338

Position : FCAW-SS 6GR

Project : PTTEP-EPCI FOR AWP-39 ARTHIT PHASE 3D G1/61

January 16, 2024 TO April 30, 2025

Company : CHEMO AHARON ENERGY INFRASTRUCTURES

Welder NO. : 2131

Position : GTAW+SMAW+FCAW (5G , 6G)

Project : INTEL SPARROW Project (Israel Country)

February 17, 2023

Company : RMS Quality Co.,Ltd

Welder NO. : RMSQ-P004

Position : GTAW+SMAW

Project : ABP1R2R Combined Cycle Cogeneration Plant Project

November 13 ,2022

Company : CUEL LIMITED

Welder NO. : SC-4370

Position : WELDER 6GR

Process : SMAW

Work Experience

August 06 ,2022

Company	: THAI NIPPON STEEL ENGINEERING & CONSTRUCTION
Welder NO.	: SM-4338
Position	: WELDER 6GR
Process	: SMAW

May 31,2021

Company	: KSC KAOCHAROENSAP Co., LTD.
Welder NO.	: KSC-W-009
Position	: GTAW+SMAW
Project	: Backlog Work for piping in TA-2021 (THAILAND)

April 29,2020 / January 10,2020 / May 18,2021

Company	: TTCL PUBLIC Co., LTD.
Welder NO.	: K124
Position	: GTAW+SMAW
Project	: MOCD2 (THAILAND)

October 12, 2020 – December 30,2020

Company	: SCG (RAYONG ENGINEERING & PLANT SERVICE Co., LTD.)
Welder NO.	: UTOC-179
Position	: GTAW+SMAW
Project	: TPE_PP3 Standby Reactor (THAILAND)

May 13, 2020

Company	: Tantawan Construction
Welder NO.	: TSM-4334
Position	: WELDER 6GR
Process	: SMAW
Project	: PTTEP-EPCI FOR AWP-39, ARTHIT PHASE 3D, G1/61 PHASE 1A

April 23, 2018 – October 10,2018

Company : Polytechnology co., ltd.

Welder NO. : PLT-W-005-P2

Position : GTAW+SMAW

Project : ANGO PIPELINE PART#2

November 11,2017 – March 31,2018

Company : SCG (RAYONG ENGINEERING & PLANT SERVICE Co., LTD.)

Welder NO. : UTOC-024

Position : GTAW+SMAW

Project : TPE_HD4 SMX

December 1,2017 – February 25,2018

Company : SCG (RAYONG ENGINEERING & PLANT SERVICE Co., LTD.)

Welder NO. : UTOC-024

Position : GTAW+SMAW

Project : TPE_HD4 SMX

December 1,2017 – February 25,2018

Company : SCG (RAYONG ENGINEERING & PLANT SERVICE Co., LTD.)

Welder NO. : UTOC-024

Position : GTAW+SMAW

Project : TPC/PARTIAL REPLACEMENT AND RECONDITION TANK M-FA1706

January 15,2015 – December 15,2016

Company : HYUNDAI ENGINEERING Co., LTD.

Welder NO. : TLAB-TAC-216

Position : GTAW+SMAW

Project : -

May 3,2014 – April 30,2015

Company : SKEC

Welder NO. : SW080

Position : GTAW

Project : -

June 13,2013 – December 15,2013

Company : Murray and Roberts Power & Energy

Welder NO. : MR059

Position : EE002/T/SV/N

Project : Morupule A – Refurbishment Project Botswana

April 6,2012 – September 5,2012

Company : TOYO-THAI CORPRATION PLBLIC Co., LTD.

Welder NO. : TTCL/TJET-W-017

Position : GTAW+SMAW

Project : NNE CCGE SPP PROJECT

June 11,2012 – January 11,2012

Company : TOYO-THAI CORPRATION PLBLIC Co., LTD.

Welder NO. : W-297

Position : GTAW+SMAW

Project : OSX3 FPSO

May 21,2010 - May 21,2011 / June 1,2010 - June 1,2011

Company : IRPC PUBIC Co., LTD.

Welder NO. : IRPC-1921

Position : GTAW+SMAW

Project : OSX3 FPSO

August 7,2011 – August 7,2012

Company : THAI JURONG ENGINEERING LIMITED

Welder NO. : TJLE-DCB-W-046

Position : GTAW+SMAW

Project : DAN CHANG BIO-ENERGY CO.,LTD.

August 22,2011 – August 22,2011

Company : NKW Welder&Const Co.,Ltd.

Welder NO. : NKW-W-023

Position : GTAW+SMAW

Project : TNP2 SPP POWER PROJECT

September 27,2011 – August 26,2011 / October 1,2011 – September 26,2011

Company : SKEC

Welder NO. : SKW2-127

Position : GTAW+SMAW

Project : BAB GAS COMOPRESSION PROJECT

December 11,2010 – June 6,2011

Company : KUWAIT NATION PETROLEUM CO.

Welder NO. : 7BK 173

Position : GTAW+SMAW

Project : KUWAIT

June 11,2009 - December 1,2009 / June 6,2009 - December 1,2009

Company : KUWAIT NATION PETROLEUM CO.

Welder NO. : RS-216

Position : GTAW+SMAW

Project : MOC Cracker Project

March 1,2008 – August 31,2008

Company : CTCI THAILAND CO.,LTD

Welder NO. : TPW-047

Position : GTAW+SMAW

Project : -

August 22,2008 – October 31,2008

Company : SCG (Siam Cement Group)

Welder NO. : GF-001

Position : GTAW+SMAW

Project : MOC Cracker Project

November 11 12 ,2008 – November 11 12 2009

Company : AL Naboodah Engineering LLC

Welder NO. : 60

Position : GTAW+SMAW

Project : -

September 14,2007 - May – 10,2008

Company : Thai Ability Engineering Co.,Ltd.

Welder NO. : WP-001

Position : GTAW+SMAW

Project : -

December 10,2007 – June 12,2008

Company : SCG (Siam Cement Group)

Welder NO. : RS-048

Position : GTAW+SMAW

Project : MOC Cracker Project

April 18,2005 - April 18,2006

Company : SAMSUNG ENGINEERING THAILAND CO.,LTD.

Welder NO. : TOC-CS-GT-0050

Position : GTAW

Project : -

August 22,2006 – December 20,2006

Company : Mighty Engineering & Technology PTE.Limited

Welder NO. : WP-101

Position : GTAW+SMAW

Project : Process Reliability Improvement

September 18,2006 – December 18,2006

Company : SK Engineering & Construction Co., Ltd.

Welder NO. : SKW-1084

Position : GTAW+SMAW

Project : -

June 6,2006 – December 5,2006

Company : TAC Thai Alliance

Welder NO. : TAC-003

Position : SMAW

Project : Piping Modifytion Unit 320&500

April 1,2005 - April 1,2006

Company : LAMPRELL ENERGY LTD.

Welder NO. : JS-3224

Position : GTAW

Project : DUBAI

Thai Nippon Steel & Sumikin Engineering & Construction Corp.,Ltd.

Welder and Welding Operator Qualification Test Record (AWS D1.1)



Identification No.	: FCS-4338
Welder's Name	: MR.JAKKAPHAN SEERAT
Date of Birth	: Tuesday, October 22, 1985
Address	: MAHA SARAKHAM
Thai National ID No.	: 1 4406 00041 57 8
Date of Tested	: Friday, May 30, 2025
WPS No.	: S103
Welding Process	: FCAW-SS
Welding Position	: 6GR
Backing Strip Used	: N/A
Direction of Welding	: Uphill (Downhill for Cap Pass)
Material Specification	: API 5L Gr.B
Thickness Range This Qualifies	: 5 mm to Unlimited
Diameter Range This Qualifies	: 100 mm to Unlimited

FILLER METAL

AWS Classification	: E71T8-Ni1J H8
AWS Specification	: A 5.29
F No.	: 6
Filler Diameter	: 2.0 mm.
Trade Name	: Hobart Fabsheild 81Ni1

VISUAL INSPECTION

Report No.	Results	Remark
BUN2-WQT-VT-S-018	Accepted	-

RADIOGRAPHIC TEST RESULTS

Report No.	Results	Remark
BUN2-WQT-RT-S-219	Accepted	-

ULTRASONIC TEST RESULTS

Report No.	Results	Remark
-	-	-

MAGNETIC PARTICLE INSPECTION RESULTS

Report No.	Results	Remark
-	-	-

TRANSVERSE BEND TEST RESULTS

Report No.	Results	Remark
-	-	-

MACRO-STRUCTURE EXAMINATION RESULTS

Report No.	Results	Remark
-	-	-

We, the undersigned, certify that the statements in this record are correct and that the test welds were prepared, welded and tested in accordance with the requirements of section 9 of AWS D1.1'2015 Code and company specification PWGS-STR-302 Rev.0

THAI NIPPON STEEL & SUMIKIN QC

Prepared by 15-Jun-25
TNS

BUREAU VERITAS PARIS 1828 THAILAND N° 54 ISO 9001 EAST ASIA REGION

18 JUN 2025

Certified by
Certifying Authority

PTTEP QA/QC

Approved by
Company

CHEMO AHARON

TO WHOM IT MAY CONCERN

THIS IS TO CERTIFY THAT THE EMPLOYEE NAMED BELOW HAD BEEN EMPLOYED BY OUR COMPANY FOR THE FOLLOWING PROJECT AND PERFORMED HIS ASSIGNED DUTIES IN CHEMO AHARON LTD.

NAME OF EMPLOYEE : SEERAT JAKKAPHAN

PASSPORT NO. : AC3655049

EMPLOYMENT PERIOD : 16 JAN 2024 - 30 APRIL 2025

POSITION : WELDER

PROJECT : INTEL SPARROW PROJECT (IN ISRAEL COUNTRY)

SINCERELY YOURS,

TANACHART AGANISTHAGORN

PROJECT MANAGER

CHEMO AHARON ENERGY INFRASTRUCTURES	Refrence	ASME IX 2019
	STANDATD	
	Report No.	22-CHM-WQT-ASME-2131

Welder Qualification test

Welder Name	Welder No.	Welder Passport	
SEERAT JAKKAPHAN	2131	AC3655049	

	802			Range of approval
Date of Test	14/04/2024			
Welding process(es)	FCAW			FCAW
Type (i.e.; manual, semi-automatic) used	Full Mechanized FCAW			—
Backing (with/without)	NO			FCAW with(root)
Plate or Pipe (enter diameter if pipe or tube)	20"			2.375" and up
nominal w.th[mm]	9.5			--
Base metal P-Number to P-Number	1 TO 1			1 TO 15F
Filler metal or electrode specification(s) (SFA) (info. only)	A5.20			----
Filler metal or electrode classification(s) (info. only)	E71T-1M H8			-----
FIller metal F-Number(s)	6			ALL F.NO 6
Consumable insert (GTAW or PAW)	NA			NA
Filler Metal Product Form (solid/metal or flux cored/powder)	Rutile FCAW			Rutile FCAW
Deposit thickness for each process(mm)	9.5			GROOVE FCAW<=19 mm Fillet welds all sizes (QW-451.4)
Position qualified (2G, 6G, 3F, etc.)	5G			F,V,O
Vertical progression (uphill or downhill)	Uphill FCAW			Uphill
Type of fuel gas (OFW)	NA			NA
Transfer mode (spray/globular or pulse to short circuit-GMAW)	Spray FCAW			NA
GTAW/SMAW current type/polarity (AC, DCEP, DCEN)	DCEP			DCEP

Visual testing	Acc
Radiographic test	8175850

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Code.

Prepared and approved by:	Mufeed Hamdan: IWE/CWI				

international welding engineer
IWE
Mufeed Hamdan
cert N° 160929/1620234
IIW/DVS

CHEMO AHARON ENERGY INFRASTRUCTURES	Refrence	ASME IX 2019
	STANDATD	
	Report No.	22-CHM-WQT-ASME-2131-FLAX

Welder Qualification test

Welder Name	Welder No.	Welder Passport	
SEERAT JAKKAPHAN	2131	AC3655049	

	804									Range of approval		
Date of Test	02/04/2024											
Welding process(es)	FCAW									FCAW		
Type (i.e.; manual, semi-automatic) used	manual									manual		
Backing (with/without)	NO									FCAW with(root)		
Plate or Pipe (enter diameter if pipe or tube)	20									2.375" and up		
nominal w.th[mm]	9.5									19		
Base metal P-Number to P-Number	1	TO	1							1	TO	15F
Filler metal or electrode specification(s) (SFA) (info. only)	A5.20									----		
Filler metal or electrode classification(s) (info. only)	E71T-1M H8									-----		
FIller metal F-Number(s)	6									ALL F.NO 6		
Consumable insert (GTAW or PAW)	NA									NA		
Filler Metal Product Form (solid/metal or flux cored/powder)	Rutile FCAW									Rutile FCAW		
Deposit thickness for each process(mm)	8.18									GROOVE FCAW<=17.6 mm Fillet welds all sizes (QW-451.4)		
Position qualified (2G, 6G, 3F, etc.)	5G									F,V,O		
Vertical progression (uphill or downhill)	Uphill FCAW									Uphill		
Type of fuel gas (OFW)	NA									NA		
Transfer mode (spray/globular or pulse to short circuit-GMAW)	Spray FCAW									NA		
GTAW/SMAW current type/polarity (AC, DCEP, DCEN)	DCEP									DCEP		

Visual testing	Acc
Radiographic test	8175807\24

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Code.

Prepared and approved by:	Mufeed Hamdan: IWE/CWI				

International welding engineer
IWE
Mufeed Hamdan
cert N° 150929/1620234
IIW/DVS

CHEMO AHARON ENERGY INFRASTRUCTURES	Refrence	ASME IX 2021
	STANDATD	
	Report No.	22-CHM-INT-131

Welder Qualification test

Welder Name	Welder No.	Welder Passport	
SEERAT JAKKAPHAN	2131	AC3655049	

	WPS330AS	WPS-360		Range of approval	
Date of Test	29\01\2024	29\01\2024			
Welding process(es)	GTAW+SMAW	GTAW		GTAW	SMAW
Type (i.e.; manual, semi-automatic) used	Manual	Manual		Manual	
Backing (with/without)	NO	NO		without\with	
Plate or Pipe (enter diameter if pipe or tube)	6	2		GTAW+ SMAW 2.875 AND UP GTAW 1 AND UP	
nominal w.th[mm]	7.2	5.5		14.2	
Base metal P-Number to P-Number	1 TO 1	1 TO 1		1 TO 15F	
Filler metal or electrode specification(s) (SFA) (info. only)	A5.18 / A5.5	A5.18 / N/A		----	
Filler metal or electrode classification(s) (info. only)	ER70S-6 / E7018	ER70S-6 / N/A		-----	
Filler metal F-Number(s)	6 / 4	6 / N/A		ALL F.NO 6	1,2,3,4 with Backing
Consumable insert (GTAW or PAW)	NA	NA		NA	
Filler Metal Product Form (solid/metal or flux cored/powder)	SOLID / N/A	SOLID / N/A		SOLID	BASIC
Deposit thickness for each process(mm)	6 / 4	6 / N/A		GROOVE GTAW <=6mm GROOVE SMAW<=8mm Fillet welds all sizes (QW-451.4)	
Position qualified (2G, 6G, 3F, etc.)	6G	6G		All position	
Vertical progression (uphill or downhill)	Uphill	Uphill		Uphill	
Type of fuel gas (OFW)	NA	NA		NA	
Inert gas backing (GTAW, PAW, GMAW)	NO	NO		WITH\WITHOUT	
Transfer mode (spray/globular or pulse to short circuit-GMAW)	NA	NA		NA	
GTAW/SMAW current type/polarity (AC, DCEP, DCEN)	DCEN/DCEP	DCEN		DCEN/DCEP	

Visual testing	Acc
Radiographic test	8175154/24

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Code.

Prepared and approved by:	yosi asulin: ICWI	Approved by	Mufeed Hamdan: IWE/CWI		
Yosi Asulin icwi 10074 RT Level II		international welding engineer IWE Mufeed Hamdan cert N° 160929/1520234 IIW/IDVS			

INTEGRAL SERVICES COMPANY W.L.L.
For Mechanical Contracting & Instrumentation للمقاولات الميكانيكية والالات الدقيقة
INDUSTRIAL SUPPLIERS & CONTRACTORS

ISCO/ MAINT

14th May 2011

To Whom It May Concern

This is to certify that ***Mr. Jakkaphan Seerat*** *File No:* ***62409*** *worked as* ***Tig & Arc Welder*** *for the period from* ***February 2011*** *to* ***May 2011*** *for our* ***GRTA Shutdown Job at KNPC – Shuaiba Refinery, Kuwait.***

We wish him all success on his future endeavor.

Thanks & regards

G. RAMARAJ
GENERAL MANAGER (MAINTENANCE)
MB.

23262717 ... 6/23262707 - 23263909 - ... 22037 ... 3683 ...
Tel: 23262707/6 - Fax: 23262717/23263193 - P.O.Box: 3683 Salmiya. 22037 Kuwait - Cable: YIN YANG

iscocorp@isco.com.kw

Murray & Roberts Botswana

Murray & Roberts Botswana
Morupule A Power Station
Palapye
Botswana

MT020

Our Ref: 0497-I8-GEN-HR-0050_0

Date: 14th July 2017

TO WHOM IT MAY CONCERN

CERTIFICATE OF SERVICE

This is to certify that **Jakkaphan Seerat Passport Nr AA3108848** was employed by Murray & Roberts Projects, part of the Murray & Roberts Group, as a **Welder** on a Limited Duration Contract from 29th August 2016 to 25th July 2017.

We trust that you will find this in order. Should you require any further information or have any queries, please do not hesitate to contact us during Office Hours.

Yours sincerely
MURRAY & ROBERTS POWER & ENERGY

Paul PK Kelailwe **Date** 14.07.2017
HR Manager

THAI NIPPON STEEL ENGINEERING & CONSTRUCTION CORPORATION LTD.

Welder and Welding Operator Qualification Test Record (AWS D1.1)



Identification No.	: SM-4338
Welder's Name	: MR.JAKKAPHAN SEERAT
Date of Birth	: 22-Oct-1985
Address	: Maha Sarakham
Thai National ID No.	: 1 4406 00041 57 8
Date of Tested	: 21-Jul-2022
WPS No.	: S163
Welding Process	: SMAW
Welding Position	: 6GR
Backing Strip Used	: N/A
Direction of Welding	: Uphill
Material Specification	: API 5L Gr.B
Thickness Range This Qualifies	: 5 mm. to Unlimited
Diameter Range This Qualifies	: 100 mm. to Unlimited

FILLER METAL

AWS Classification	: E 7016
AWS Specification	: A 5.1
F No.	: 4
Filler Diameter	: 3.2 mm
Trade Name	: KOBE LB 52U and KOBE LB 52

VISUAL INSPECTION

Report No.	Results	Remark
P15.5-WQT-VT-S-055	Accepted	-

RADIOGRAPHIC TEST RESULTS

Report No.	Results	Remark
P15.5_A-WQT-RT-S-0323	Accepted	-

ULTRASONIC TEST RESULTS

Report No.	Results	Remark
-	-	-

MAGNETIC PARTICLE INSPECTION RESULTS

Report No.	Results	Remark
-	-	-

TRANSVERSE BEND TEST RESULTS

Report No.	Results	Remark
-	-	-

MACRO-STRUCTURE EXAMINATION RESULTS

Report No.	Results	Remark
-	-	-

We, the undersigned, certify that the statements in this record are correct and that the test welds were prepared, welded and tested in accordance with the requirements of section 9 of AWS D1.1'2015 Code and company specification Document No.10008-STD-6-OSS-008-R00

THAI NIPPON STEEL QC TNS

Aug 02 2022

Prepared by

TNS

☐ INSPECTED
☑ REVIEWED
☐ WITNESSED

Mr.Nathakorn

Approved by 07 AUG 2022

Company DATE

W/QC-003-1 R1

Welder and Welding Operator Qualification Test Record (AWS D1.1)



Identification No.	: TSM-4338
Welder's Name	: MR.JAKKAPHAN SEERAT
Date of Birth	: 22 October 1985
Address	: MAHA SARAKHAM
Thai National ID No.	: 1 4406 00041 57 8
Date of Tested	: 13-May-20
WPS No.	: S92
Welding Process	: SMAW
Welding Position	: 6GR
Backing Strip Used	: Weld Metal
Direction of Welding	: Uphill When Vertical
Material Specification	: API 5L Gr.B
Thickness Range This Qualifies	: 5 mm to Unlimited
Diameter Range This Qualifies	: 100 mm to Unlimited

FILLER METAL

AWS Classification	: E7016
AWS Specification	: A 5.1
F No.	: 4
Filler Diameter	: 3.2 mm
Trade Name	: KOBE LB 52U & LB 52

VISUAL INSPECTION

Report No.	Results	Remark
P15.5-T-WQT-S-005	Accepted	-

RADIOGRAPHIC TEST RESULTS

Report No.	Results	Remark
P15.5_T-WQT-RT-S-0024	Accepted	-

ULTRASONIC TEST RESULTS

Report No.	Results	Remark
-	-	-

MAGNETIC PARTICLE INSPECTION RESULTS

Report No.	Results	Remark
-	-	-

TRANSVERSE BEND TEST RESULTS

Report No.	Results	Remark
-	-	-

MACRO-STRUCTURE EXAMINATION RESULTS

Report No.	Results	Remark
-	-	-

We, the undersigned, certify that the statements in this record are correct and that the test welds were prepared, welded and tested in accordance with the requirements of section 9 of AWS D1.1'2015 Code and company specification Document No.100[illegible]CSS-008-R00

TANTAWAN CONSTRUCTION & SERVICE CO.,LTD. QA/QC SECTION QA Engineer

Prepared by TCS

TNS QC 13 MAY 2020

Approved by TNS

☐ INSPECTED
☑ REVIEWED
☐ WITNESSED
03 JUN 2020
Mr.Raveeroj J. DATE

Approved by Company

WELDER QUALIFICATION TEST RECORD

As per AWS D1.1



Name : Mr.Jakkaphan Seerat **ID** : 1440600041578

Identification no. : SC-4370

Using WPS No. : S-001CVX

Above Welder is qualified for the following ranges

Welding variables	Actual values	Qualification Range
Welding Process(es)	SMAW	SMAW
Type (ie; manual, semi-automatic) used	Manual	Manual
Backing (material, weld metal, double-welded, etc.)	None	With or without backing Note 1
Joint type	Single bevel butt joint	
Base metal		
Plate / Pipe (enter diameter if pipe or tube)	Pipe Ø8" (NPS)	Plate, Pipe Ø4"(NPS) and above
Specification	ASTM A106 Gr.B	
Group no. (Table 3.1)	I	I through III
Thickness	12.70mm / 23.01 mm	5.0mm and above
Filler metal		
Trade Name	ESAB OK 53.70 / OK 48.04	
AWS Specification no.	A5.1	
AWS Classification no.	E7016-1 / E7018	
F-No.	4	1 through 4
Position	6GR	All Note 1, 2, 3
Weld progression	Uphill	Uphill
Shielding gas	N/A	N/A
Backing gas	N/A	N/A
Transfer mode (Spray, globular, short circuit)	N/A	N/A
Electrical characteristics		
Current type/ polarity (AC ,DCEN, DCEP)	DCEP	AC , DCEN , DCEP

Visual Inspection : Acceptable / Report No. CVX003

Method of Testing

Guided bend test	Fracture Test	Macro Test	Radiographic Test
N/A	N/A	N/A	WQT-AWS-RT-011 November 12, 2022

Others : N/A

We certify that the statements in this record are correct and that the test welds were prepared, welded and tested in accordance with the requirements of AWS D1.1 : 2020

APPROVED BY

CUEL Limited

Date : 12 NOV 2022

Received ☐ Approved
Reviewed ☐ Rejected

13 NOV 2022

Signature:
Name:
Position: Client Representative

Date :

Certifying Authority

Date : 13 NOV 2022

Notes

1. *Not qualified for joints welded from one side without backing, or welded from both sides without backgouging.*
2. *Not qualified for welds having groove angles less than 30 (Refer section 10.14.4.2).*
3. *Also qualified to make PJP and fillet welds in all thickness of any size.*

RMS QUALITY

WQR No.: RMSQ-P004/1

DATE: 2-Nov-21



MANUFACTURER'S RECORD OF WELDER, WELDING OPERATOR, OR TACK WELDER PERFORMANCE QUALIFICATION TEST RECORD (W Q R)

Welder Name: **Mr. JAKKAPHAN SEERAT** Passport/ID No. **1 4406 00041 57 8** Stamp No. **RMSQ-P004**

QC Engineer RMS QUALITY CO.,LTD.

Test Description

Using WPS followed **RMS-WPS-001** Rev. **0** ☒ Test coupon ☐ Production weld Date welded **28-Oct-21**

Specification and type/grade or UNS Number of base metal (s) **SA106 Gr.B** Thickness **5.54** mm

Testing Variables and Qualification Limits

Welding Variables (QW-350)	Actual Values	Range Qualified
Welding Process (es)	GTAW	GTAW
Type (i.e.; manual, semi-automatic) used	Manual	Manual
Backing (with/without)	None	With, Without
☐ Plate ☒ Pipe (enter diameter if pipe or tube)	O.D. 60.3 mm (NPS 2")	O.D. 25 mm (NPS ¾") and Over
Base metal P-Number to P-Number	P No.1 to P No.1	P No.1 thru 15F, 34, 41 Thru 49
Filler metal or electrode specification(s) (SFA) (info. only)	5.18	
Filler metal or electrode classification(s) (info. only)	ER70S-6	
Filler metal F-Number(s)	6	6
Consumable insert (GTAW or PAW)	None	Without
Filler Metal Product Form (QW-404.23) (GTAW or PAW)	Bare Solid	Bare Solid
Deposit thickness for each process		
Process 1 **GTAW** 3 layers minimum ☒ Yes ☐ No	Max. 5.54 mm.	Max. 11.08 mm.
Process 2 **N/A** 3 layers minimum ☐ Yes ☐ No	N/A	N/A
Position qualified (2G, 6G, 3F, etc.)	6G	All
Vertical progression (uphill or downhill)	Uphill	Uphill
Type of fuel gas (OFW)	N/A	N/A
Use of backing gas (GTAW, PAW, GMAW)	None	With, Without
GTAW current type and polarity (AC, DCEP, DCEN)	DCEN	DCEN

Visual examination of completed weld (QW-302.4) **Results: Acceptable**

☐ Transverse face and root bends [QW-462.3(a)] ☐ Longitudinal bends[Qw-462.3(b)] ☐ Side bends (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant weld metal overlay [QW-462.5(c)]

☐ Plate bend specimen, corrosion-resistant weld metal overlay (QW-462.59(c)]

☐ Pipe specimen, Marco test for fusion [QW-462.5(b)] ☐ Plate specimen, macro test for fusion [QW-462.5(e)]

Type	Result	Type	Result	Type	Result
N/A	N/A	N/A	N/A	N/A	N/A

Alternative Volumetric Examination Results (QW-191) RT ☒ or UT ☐

Film Identification Number.	Results	Remarks
N/A	Acceptable	N/A

Test No.: : **RP-BPK-21G009** Date : **29-Oct-2021**

Fillet weld – fracture test (QW-181.2) **N/A** Length and percent of defects **N/A** mm **N/A** %

☐ Fillet welds in plate (QW-181.2) ☐ Fillet welds in pipe [QW-462.4(c)]

Macro examination (QW-184) **N/A** Fillet size (mm) **N/A** x **N/A** Concavity/convexity (mm) **N/A**

Film or specimens evaluated by **Mr. Rachen M.** Company **SIWA TESTING INSPECTION & CONSULTING CO., LTD.**

Mechanical test conducted by **N/A** Laboratory test no. **N/A**

Welding supervised by **Mr. Chaiwat W.**

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of ASME BOILER AND PRESSURE VESSEL CODE.

	Q.C. SECTION		TPSC	Owner (If applicable)
	PREPARED BY	REVIEWED BY	APPROVED BY	APPROVED BY
SIGN	QC Inspector RMS QUALITY CO.,LTD.	QC Engineer RMS QUALITY CO.,LTD.	TPSC(T) 03 NOV 2021 CHOOSAK B. QA/QC ENGINEER	03 NOV 2021
NAME	Mr.Chaiwat W.	Mr.Yasin S.		Surapol L.
DATE	2/Nov/2021	2/Nov/2021		

RMS QUALITY

WQR No.: RMSQ-P004/3

DATE: 17-Feb-22



MANUFACTURER'S RECORD OF WELDER, WELDING OPERATOR, OR TACK WELDER
PERFORMANCE QUALIFICATION TEST RECORD (W Q R)

Welder Name: Mr. Jakkaphan Seerat | Passport/ID No. 1 4406 00041 57 8 | Stamp No. RMSQ-P004

VASIN S. QC Engineer RMS QUALITY CO., LTD.

Test Description

Using WPS followed RMS-WPS-003 Rev. 0 ☒ Test coupon ☐ Production weld Date welded 10-Feb-22

Specification and type/grade or UNS Number of base metal (s) A312 TP304L Thickness 3.91 mm

Testing Variables and Qualification Limits

Welding Variables (QW-350)	Actual Values	Range Qualified
Welding Process (es)	GTAW	GTAW
Type (i.e.; manual, semi-automatic) used	Manual	Manual
Backing (with/without)	None	With, Without
☐ Plate ☒ Pipe (enter diameter if pipe or tube)	O.D. 60.3 mm (NPS 2")	O.D. 25 mm (NPS 3/4") and Over
Base metal P-Number to P-Number	P No.8 to P No.8	P No.1 thru 15F, 34, 41 Thru 49
Filler metal or electrode specification(s) (SFA) (info. only)	5.9	
Filler metal or electrode classification(s) (info. only)	ER308L	
Filler metal F-Number(s)	6	6
Consumable insert (GTAW or PAW)	Without	Without
Filler Metal Product Form (QW-404.23) (GTAW or PAW)	Bare Solid	Bare Solid
Deposit thickness for each process		
Process 1 GTAW 3 layers minimum ☒ Yes ☐ No	Max. 3.91 mm.	Max. 7.82 mm.
Process 2 N/A 3 layers minimum ☐ Yes ☐ No	N/A	N/A
Position qualified (2G, 6G, 3F, etc.)	6G	All
Vertical progression (uphill or downhill)	Uphill	Uphill
Type of fuel gas (OFW)	Argon	Argon
Use of backing gas (GTAW, PAW, GMAW)	With	With
GTAW current type and polarity (AC, DCEP, DCEN)	DCEN	DCEN

Results

Visual examination of completed weld (QW-302.4) Acceptable

☐ Transverse face and root bends [QW-462.3(a)] ☐ Longitudinal bends[Qw-462.3(b)] ☐ Side bends (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant weld metal overlay [QW-462.5(c)]

☐ Plate bend specimen, corrosion-resistant weld metal overlay (QW-462.59(c)]

☐ Pipe specimen, Marco test for fusion [QW-462.5(b)] ☐ Plate specimen, macro test for fusion [QW-462.5(e)]

Type	Result	Type	Result	Type	Result
N/A	N/A	N/A	N/A	N/A	N/A

Alternative Volumetric Examination Results (QW-191) RT ☒ or UT ☐

Film Identification Number.	Results	Remarks
Mr. Jakkaphan 6G 2"	Acceptable	N/A

Test No.: : RT-WQT-003 Date : 11-Feb-2022

Fillet weld – fracture test (QW-181.2) N/A Length and percent of defects N/A mm N/A

☐ Fillet welds in plate (QW-181.2) ☐ Fillet welds in pipe [QW-462.4(c)]

Macro examination (QW-184) N/A Fillet size (mm) N/A x N/A Concavity/convexity (mm) N/A

Film or specimens evaluated by Mr.Kusol J. Company PAE Technical Service Plub CO., LTD.

Mechanical test conducted by N/A Laboratory test no. N/A

Welding supervised by Mr. Nattawut B.

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of ASME BOILER AND PRESSURE VESSEL CODE.

	Q.C. SECTION		TPSC	Owner (If applicable)
	PREPARE BY	REVIEWED BY	APPROVED BY	APPROVED BY
SIGN	Nattawut B			
NAME	Mr. Nattawut B.	Mr. Vasin S.	Mr. Choosak	Surapol L.
DATE	17-Dec-21	17-Dec-2021	22 FEB 2022	22 FEB 2022

NATTAWUT B. QC RMS QUALITY CO., LTD.

VASIN S. QC Engineer RMS QUALITY CO., LTD.

TPSC(T) 22 FEB 2022 CHOOSAK B.

RMS QUALITY

WQR No.: RMSQ-P004/2

DATE: 02-Nov-21



MANUFACTURER'S RECORD OF WELDER, WELDING OPERATOR, OR TACK WELDER PERFORMANCE QUALIFICATION TEST RECORD (W Q R)

Welder Name: MR. JAKKAPHAN SEERAT | Passport/ID No: 1 4406 00041 57 8 | Stamp No: RMSQ-P004

Test Description

Using WPS followed: RMS-WPS-050 Rev. 0 ☒ Test coupon ☐ Production weld | Date welded: 28-Oct-21

Specification and type/grade or UNS Number of base metal (s): SA106 Gr.B | Thickness: 7.11 mm

Testing Variables and Qualification Limits

Welding Variables (QW-350)	Actual Values		Range Qualified	
	GTAW	SMAW	GTAW	SMAW
Welding Process (es)	GTAW	SMAW	GTAW	SMAW
Type (i.e.; manual, semi-automatic) used	Manual	Manual	Manual	Manual
Backing (with/without)	Without	With	With, Without	With
☐ Plate ☒ Pipe (enter diameter if pipe or tube)	O.D. 168.3 mm (NPS 6")		O.D. 73 mm (NPS 2 1/2") and Over	
Base metal P-Number to P-Number	P No.1 to P No.1		P No.1 thru 15F, 34, 41 thru 49	
Filler metal or electrode specification(s) (SFA) (info. only)	5.18	5.1		
Filler metal or electrode classification(s) (info. only)	ER70S-6	E7016		
Filler metal F-Number(s)	6	4	6	1, 2, 3 and 4
Consumable insert (GTAW or PAW)	Without	N/A	Without	N/A
Filler Metal Product Form (QW-404.23) (GTAW or PAW)	Solid	N/A	Solid	N/A
Deposit thickness for each process				
Process 1 GTAW 3 layers minimum ☐ Yes ☒ No	Max. 3.00 mm	N/A	Max. 6.00 mm	N/A
Process 2 SMAW 3 layers minimum ☒ Yes ☐ No	N/A	Max. 4.11 mm	N/A	Max. 8.22 mm
Position qualified (2G, 6G, 3F, etc.)	6G		All	
Vertical progression (uphill or downhill)	Uphill	Uphill	Uphill	Uphill
Type of fuel gas (OFW)	N/A	N/A	N/A	N/A
Use of backing gas (GTAW, PAW, GMAW)	Without	N/A	With, without	N/A
Transfer mode (spray, globular, or pulse to short circuit-GMAW	N/A	N/A	N/A	N/A
GTAW current type and polarity (AC, DCEP, DCEN)	DCEN	N/A	DCEN	N/A

Results

Visual examination of completed weld (QW-302.4): Acceptable

☐ Transverse face and root bends [QW-462.3(a)] ☐ Longitudinal bends[Qw-462.3(b)] ☐ Side bends (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant weld metal overlay [QW-462.5(c)]

☐ Plate bend specimen, corrosion-resistant weld metal overlay (QW-462.5(d)]

☐ Pipe specimen, Marco test for fusion [QW-462.5(b)] ☐ Plate specimen, macro test for fusion [QW-462.5(e)]

Type	Result	Type	Result	Type	Result
N/A	N/A	N/A	N/A	N/A	N/A

Alternative Volumetric Examination Results (QW-191) RT ☒ or UT ☐

Film Identification Number	Results	Remarks
N/A	Acceptable	N/A

Test No.: : RP-BPK-21G010 Date : 29-Oct-2021

Fillet weld – fracture test (QW-181.2): N/A Length and percent of defects: N/A mm N/A %

☐ Fillet welds in plate (QW-181.2) ☐ Fillet welds in pipe [QW-462.4(c)]

Macro examination (QW-184): N/A Fillet size (mm): N/A x N/A Concavity/convexity (mm): N/A

Film or specimens evaluated by: Mr. Rachen M. Company: SIWA Testing Inspection & Consulting Co., Ltd.

Mechanical tests conducted by: N/A Laboratory test no.: N/A

Welding supervised by: Mr. Chaiwat W.

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME BOILER AND PRESSURE VESSEL CODE.

	Q.C.SECTION		CLIENT	Owner (If applicable)
	PREPARED BY	CERTIFIED BY	APPROVED BY	APPROVED BY
SIGN				
NAME	Mr.Chaiwat W.	Mr.Vasin S.	TPSC(T)	Surapol L.
DATE	2-Nov-2021	2-Nov-2021	03 NOV 2021	03 NOV 2021

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Form E/IS/R/09/Issue 3 (1/1) [10/16]

Welder Performance Qualification Test Record
ASME BPVC Section IX : 2017

Report Issue Date : 28 January 2019 — Report No. : WIA90096
ETL Lab. No. : IN/9/0001/27 — Page no. : 1 of 1

Customer	Kum Shing E & M Ltd				
Address	Unit 8, UG/F, Newport Centre, 116 Ma Tau Kok Road, Kowloon, Hong Kong				
Project	Black Point Power Station Unit D1 - CCGT E & M Installation Package				
Welder's Name	SEERAT JAKKAPHAN	Passport no.	AA9871078	Marking no. :	KSS 097

Test Description

In accordance with Customer's WPS no.	KSS-WP-ASMEIX-003		WPQT report no. WIA80319		
Welding process(es) used	GTAW			Type	Manual
Test coupon dimensions	Ø60.3 x 5.54mm thk. Pipe				
Joint type	Single vee groove butt weld in pipe, welded from one side without backing				
Angle	60° - 70°	Root face	0-0.5mm	Root gap	2.0 - 3.0mm
Base material specification / P-number	Pipe : SA-106 grade B / P-No. 1				
Filler Metal Trade Name & Diameter	GTAW : SAF-FRO (type : AL TIG SG2), Ø2.4mm, AWS A5.18 ER70S-6				

Testing Variables and Qualification Limits

Welding Variables (QW-350)	Actual Values	Range Qualified
Process(es)	GTAW	GTAW
Process(es) type used	Manual	Manual
Weld type	Groove	Groove / fillet weld
Plate / pipe	Pipe	Pipe / plate
Backing (with / without)	Without	With or without
☐ Plate ☑ Pipe (Dia.) (mm) (QW-452.3)	Ø60.3	Ø25 and above
Base material specification / P-No. / G-No. (QW-423.1)	SA-106 grade B / P-No. 1 / G-No. 1 to SA106, grade B / P No. 1 / G-No. 1	P-No. : P1 to P15F, P34, P41 to P49 / G-No. : Nonessential
Filler metal or electrode — Spec. no.	GTAW : AWS A5.18	Nonessential
Classification	GTAW : ER70S-6	Nonessential
(QW-404.15 & QW-433) F-No. / A-No.	GTAW : F6 / A1	GTAW : F6 / A1 & A2
Consumable insert	N/A	N/A
Filler metal product form (QW-402.23)	GTAW (Solid rod)	GTAW (Solid rod)
Deposit thickness for each process (mm) (QW-452.1)		
Process 1_GTAW_ 3 layers min. ☐ Yes ☑ No	5.54	11.08, max.
Process 2_____ 3 layers min. ☐ Yes ☑ No	N/A	N/A
Welding position(s) (QW-461.9)	2G	Flat (F), horizontal (H)
Vertical progression (Up-hill / Down-hill) (QW-405.3)	Up-hill	Up-hill
Backing gas (Flow rate, L/min) (QW-408.4)	N/A	N/A
Shielding gas (Flow rate, L/min) (QW-353, QW-356)	Argon (15-17 L/min)	Argon (15-17 L/min)
Transfer mode	N/A	N/A
Current type / polarity (QW-409.4)	GTAW (DCEN)	GTAW (DCEN)

Test Results

Visual examination		Report no.	Radiographic test		Report no.
No rejectable defect	Acceptable	VIA90411	No rejectable defect	Acceptable	RAA90118

Bend Test			Macro Examination	
Specimen no.	Results	Report no.	Specimen no.	Results / Report No.
N/A	N/A	N/A	N/A	N/A

Date of welding 15 January 2019 — Date of test (NDT) 22 January 2019
Result Pass — Date of test (DT) N/A
Validation of approval Refer to QW-322.1 of ASME BPVC Section IX : 2017 for Expiration of Qualification
Welding witnessed by LAU, Wai Yin - ETL's CSWIP Certified Welding Inspector
Witnessed by Customer / Consultant Customer's representative

The statements in this record are correct. The test weld was prepared, welded and tested in accordance with the requirements of ASME BPVC Section IX / 2017

Approved Signatory

TSUI, Chi Keung David

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Form E/IS/R/09/Issue 3 (1/1) [10/

Welder Performance Qualification Test Record
ASME BPVC Section IX : 2017

Report Issue Date : 28 January 2019
ETL Lab. No. : IN/9/0001/13

Report No. : WIA90078
Page no. : 1 of 1

Customer	Kum Shing E & M Ltd				
Address	Unit 8, UG/F, Newport Centre, 116 Ma Tau Kok Road, Kowloon, Hong Kong				
Project	Black Point Power Station Unit D1 - CCGT E & M Installation Package				
Welder's Name	SEERAT JAKKAPHAN	Passport no.	AA9871078	Marking no. :	KSS 097

Test Description

In accordance with Customer's WPS no.	KSS-WP-ASMEIX-003		WPQT report no. WIA80319		
Welding process(es) used	GTAW			Type	Manual
Test coupon dimensions	Ø60.3 x 5.54mm thk. Pipe				
Joint type	Single vee groove butt weld in pipe, welded from one side without backing				
Angle	60° - 70°	Root face	0-0.5mm	Root gap	2.0 - 3.0mm

Base material specification / P-number: Pipe : SA-106 grade B / P-No. 1

Filler Metal Trade Name & Diameter: GTAW : SAF-FRO (type : AL TIG SG2), Ø2.4mm, AWS A5.18 ER70S-6

Testing Variables and Qualification Limits

Welding Variables (QW-350)		Actual Values	Range Qualified
Process(es)		GTAW	GTAW
Process(es) type used		Manual	Manual
Weld type		Groove	Groove / fillet weld
Plate / pipe		Pipe	Pipe / plate
Backing (with / without)		Without	With or without
☐ Plate ☑ Pipe (Dia.) (mm) (QW-452.3)		Ø60.3	Ø25 and above
Base material specification / P-No. / G-No. (QW-423.1)		SA-106 grade B / P-No. 1 / G-No. 1 to SA106, grade B / P No. 1 / G-No. 1	P-No. : P1 to P15F, P34, P41 to P49 / G-No. : Nonessential
Filler metal or electrode	Spec. no.	GTAW : AWS A5.18	Nonessential
	Classification	GTAW : ER70S-6	Nonessential
(QW-404.15 & QW-433)	F-No. / A-No.	GTAW : F6 / A1	GTAW : F6 / A1 & A2
Consumable insert		N/A	N/A
Filler metal product form (QW-402.23)		GTAW (Solid rod)	GTAW (Solid rod)
Deposit thickness for each process (mm) (QW-452.1)			
Process 1_GTAW_ 3 layers min. ☐ Yes ☑ No		5.54	11.08, max.
Process 2_____ 3 layers min. ☐ Yes ☑ No		N/A	N/A
Welding position(s) (QW-461.9)		5G	Groove : Flat (F), vertical-up (V), overhead (O) Fillet : All
Vertical progression (Up-hill / Down-hill) (QW-405.3)		Up-hill	Up-hill
Backing gas (Flow rate, L/min) (QW-408.4)		N/A	N/A
Shielding gas (Flow rate, L/min) (QW-353, QW-356)		Argon (15-17 L/min)	Argon (15-17 L/min)
Transfer mode		N/A	N/A
Current type / polarity (QW-409.4)		GTAW (DCEN)	GTAW (DCEN)

Test Results

Visual examination		Report no.	Radiographic test		Report no.
No rejectable defect	Acceptable	VIA90410	No rejectable defect	Acceptable	RAA90115

Bend Test			Macro Examination	
Specimen no.	Results	Report no.	Specimen no.	Results / Report No.
N/A	N/A	N/A	N/A	N/A

Date of welding: 14 January 2019 — Date of test (NDT): 20 January 2019
Result: Pass — Date of test (DT): N/A

Validation of approval: Refer to QW-322.1 of ASME BPVC Section IX : 2017 for Expiration of Qualification
Welding witnessed by: LAU, Wai Yin - ETL's CSWIP Certified Welding Inspector
Witnessed by Customer / Consultant: Customer's representative

The statements in this record are correct. The test weld was prepared, welded and tested in accordance with the requirements of ASME BPVC Section IX : 2017

Approved Signatory

TSUI, Chi Keung David

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Form EAS/R/09/Issue 3 (1/1) [10/16]

Welder Performance Qualification Test Record
ASME BPVC Section IX : 2017

Report Issue Date : 28 January 2019 | Report No. : WIA90068
ETL Lab. No. : IN/9/0001/06 | Page no. : 1 of 1

Customer	Kum Shing E & M Limited
Address	Unit 8, UG/F, Newport Centre, 116 Ma Tau Kok Road, Kowloon, Hong Kong
Project	Black Point Power Station Unit D1 - CCGT E & M Installation Package
Welder's Name	SEERAT JAKKAPHAN — Passport no. AA9871078 — Marking no. : KSS 097

Test Description

In accordance with Customer's WPS no.	KSS-WP-ASMEIX-004 — WPQT report no. WIA80317
Welding process(es) used	GTAW (root passes) + SMAW (others) — Type : Manual
Test coupon dimensions	Ø168.3 x 18.26mm thk. Pipe
Joint type	Single vee groove butt weld in pipe, welded from one side without backing
Angle	60° - 70° — Root face 0-0.5mm — Root gap 2.0-3.0mm
Base material specification / P-number	Pipe : SA-106 grade B / P-No. 1
Filler Metal Trade Name & Diameter	Process 1 : GTAW : SAF-FRO (Type : AL TIG SG2), Ø2.4mm, AWS A5.18 ER70S-6 for root passes ; Process 2 : GTAW : SAF-FRO (Type : SAFER-NF-510A), Ø2.5mm & 3.2mm, AWS A5.1 E7018 H4 for fill and capping

Testing Variables and Qualification Limits

Welding Variables (QW-350)	Actual Values	Range Qualified
Process(es)	Process 1 : GTAW + Process 2 : SMAW	Process 1 : GTAW + Process 2 : SMAW
Process(es) type used	Manual	Manual
Weld type	Groove	Groove / fillet weld
Plate / pipe	Pipe	Pipe / plate
Backing (with / without)	Without	With or without
☐ Plate ☑ Pipe (Dia.) (mm) (QW-452.3)	Ø168.3	Ø73 and above
Base material specification / P-No. / G-No. (QW-423.1)	SA-106, grade B / P-No. 1 / G-No. 1 to SA-106, grade B / P-No. 1 / G-No. 1	P-No. : P1 to P15F, P34, P41 to P49 / G-No. : Nonessential
Filler metal or electrode — Spec. no.	(GTAW : AWS A5.18) ; (SMAW : AWS 5.1)	Nonessential
Classification	(GTAW : ER70S-6) ; (SMAW : E7018 H4)	Nonessential
(QW-404.15 & QW-433) F-No. / A-No.	(GTAW : F6 / A1) ; (SMAW : F4 / A1)	(GTAW : F6/A1 & A2) ; (SMAW : F1 to F4 / A1 & A2)
Consumable insert	N/A	N/A
Filler metal product form (QW-404.23)	GTAW (Solid rod) ; SMAW (Electrode)	GTAW (Solid rod) ; SMAW (Electrode)
Deposit thickness for each process (mm) (QW452.1)		
Process 1_GTAW_ (root) 3 layers min. ☐ Yes ☑ No	3 (2 Layers)	6, max.
Process 2_SMAW_(others) 3 layers min. ☑ Yes ☐ No	15.26	Unlimited
Welding position(s) (QW461.9)	5G	Groove : Flat (F), Vertical-up (V), Overhead (O) Fillet : All
Vertical progression (Up-hill / Down-hill) (QW-405.3)	Up-hill	Up-hill
Backing gas (Flow rate, L/min) (QW-408.4)	N/A	N/A
Shielding gas (Flow rate, L/min) (QW-353, QW-356)	Argon (15 - 17 L/min)	Argon (15 - 17 L/min)
Transfer mode	N/A	N/A
Current type / polarity (QW-409.4)	GTAW (DCEN) ; SMAW (DCEP)	GTAW (DCEN) ; SMAW (DC/AC)

Test Results

Visual examination	Report no.	Radiographic test	Report no.
No rejectable defect, acceptable	VIA90401	No rejectable defect, acceptable	RAA90100

Bend Test			Macro Examination		
Specimen no.	Results	Report no.	Specimen no.	Results	Report No.
N/A	N/A	N/A	N/A	N/A	N/A

Date of welding : 14 January 2019 — Date of test (NDT) : 20 January 2019
Result : Pass — Date of test (DT) : N/A

Validation of approval : Refer to QW-322.1 of ASME BPVC Section IX : 2017 for Expiration of Qualification
Welding witnessed by : LAU, Wai Yin - ETL's CSWIP Certified Welding Inspector
Witnessed by Customer / Consultant : Customer's representative

The statements in this record are correct. The test weld was prepared, welded and tested in accordance with the requirements of ASME BPVC Section IX : 2017

Approved Signatory

TSUI, Chi Keung David

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東業德勤測試顧問有限公司
ETS-TESTCONSULT LTD.™

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Welder Performance Qualification Test Record
ASME BPVC Section IX : 2017

Report Issue Date : 26 January 2019 — Report No. : WIA90110
ETL Lab. No. : IN/9/0001/52 — Page no. : 1 of 1

Customer	Kum Shing E & M Ltd				
Address	Unit 8, UG/F, Newport Centre, 116 Ma Tau Kok Road, Kowloon, Hong Kong				
Project	Black Point Power Station Unit D1 - CCGT E & M Installation Package				
Welder's Name	SEERAT JAKKAPHAN	Passport no.	AA9871078	Marking no. :	KSS 097

Test Description

In accordance with Customer's WPS no.	KSS-WP-ASMEIX-010, Rev. C		WPQT report no.	WIA80802	
Welding process(es) used	GTAW			Type	Manual
Test coupon dimensions	Ø60.3 x 5.54mm thk. Pipe				
Joint type	Single vee groove butt weld in pipe, welded from one side without backing				
Angle	60° - 70°	Root face	0-0.5mm	Root gap	2.0 - 3.0mm

Base material specification / P-number	Pipe : SA-335 grade P91 / P-No. 15E
Filler Metal Trade Name & Diameter	GTAW : Bohler (Type : THERMANIT MTS 3), Ø2.4mm, AWS A5.28 ER90S-B9

Testing Variables and Qualification Limits

Welding Variables (QW-350)	Actual Values	Range Qualified
Process(es)	GTAW	GTAW
Process(es) type used	Manual	Manual
Weld type	Groove	Groove / fillet weld
Plate / pipe	Pipe	Pipe / plate
Backing (with / without)	Without	With or without
☐ Plate ☑ Pipe (Dia.) (mm) (QW-452.3)	Ø60.3	Ø25 and above
Base material specification / P-No. / G-No. (QW-423.1)	SA-335, grade P91 / P-No. 15E / G-No. 1 to SA1-335, grade P91 / P-No. 15E / G-No. 1	P-No. : P1 to P15F, P34, P41 to P49 / G-No. : Nonessential
Filler metal or electrode Spec. no.	GTAW : AWS A5.28	Nonessential
Classification	GTAW : ER90S-B9	Nonessential
(QW-404.15 & QW-433) F-No. / A-No.	GTAW : F6 / A5	GTAW : F6 / A5
Consumable insert	N/A	N/A
Filler metal product form (QW-402.23)	GTAW (Solid rod)	GTAW (Solid rod)
Deposit thickness for each process (mm) (QW-452.1)		
Process 1_GTAW_ 3 layers min. ☑ Yes ☐ No	5.54	11.08, max.
Process 2_____ 3 layers min. ☐ Yes ☑ No	N/A	N/A
Welding position(s) (QW-461.9)	5G	Groove : Flat (F), Vertical-up (V), Overhead (O) Fillet : All
Vertical progression (Up-hill / Down-hill) (QW-405.3)	Up-hill	Up-hill
Backing gas (Flow rate, L/min) (QW-408.4)	Argon (7-10 L/min)	Argon (7-10 L/min)
Shielding gas (Flow rate, L/min) (QW-353, QW-356)	Argon (15-20 L/min)	Argon (15-20 L/min)
Transfer mode	N/A	N/A
Current type / polarity (QW-409.4)	GTAW (DCEN)	GTAW (DCEN)

Test Results

Visual examination		Report no.	Radiographic test		Report no.
No rejectable defect	Acceptable	VIA90412	No rejectable defect	Acceptable	RAA90119

Bend Test			Macro Examination	
Specimen no.	Results	Report no.	Specimen no.	Results / Report No.
N/A	N/A	N/A	N/A	N/A

Date of welding 17 January 2019 — Date of test (NDT) 22 January 2019
Result Pass — Date of test (DT) N/A

Validation of approval: Refer to QW-322.1 of ASME BPVC Section IX : 2017 for Expiration of Qualification
Welding witnessed by: LAU, Wai Yin - ETL's CSWIP Certified Welding Inspector
Witnessed by Customer / Consultant: Customer's representative

The statements in this record are correct. The test weld was prepared, welded and tested in accordance with the requirements of ASME BPVC Section IX : 2017

Approved Signatory

TSUI, Chi Keung David

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Form E/IS/R/09/Issue 3 (1/1) [10/16]

Welder Performance Qualification Test Record
ASME BPVC Section IX : 2017

Report Issue Date : 31 January 2019 — Report No. : WIA90148
ETL Lab. No. : IN/9/0001/97 — Page no. : 1 of 1

Customer	Kum Shing E & M Ltd			
Address	Unit 8, UG/F, Newport Centre, 116 Ma Tau Kok Road, Kowloon, Hong Kong			
Project	Black Point Power Station Unit D1 - CCGT E & M Installation Package			
Welder's Name	SEERAT JAKKAPHAN	Passport no.	AA9871078	Marking no. : KSS 097

Test Description

In accordance with Customer's WPS no.	KSS-WP-ASMEIX-011, Rev. C	WPQT report no.	WIA80799
Welding process(es) used	GTAW (root passes) + SMAW (others)	Type	Manual
Test coupon dimensions	Ø168.3 x 18.26mm thk. Pipe		
Joint type	Single vee groove butt weld in pipe, welded from one side without backing		
Angle	60° - 70°	Root face	0 - 0.5mm
		Root gap	2.5 - 3.5 mm
Base material specification / P-number	Pipe : SA-335 grade P91 / P-No. 15E		
Filler Metal Trade Name & Diameter	Process 1 : GTAW : Bohler (type : THERMANIT MTS 3), Ø2.4mm, AWS A5.28 ER90S-B9 for root passes; Process 2 : SMAW : Bohler (type : THERMANIT CHROMO 9 V), Ø3.2mm, AWS A5.5 E9015-B91 H4R for fill and capping.		

Testing Variables and Qualification Limits

Welding Variables (QW-350)	Actual Values	Range Qualified
Process(es)	Process 1 : GTAW + Process 2 : SMAW	Process 1 : GTAW + Process 2 : SMAW
Process(es) type used	Manual	Manual
Weld type	Groove	Groove / fillet weld
Plate / pipe	Pipe	Pipe / plate
Backing (with / without)	Without	With or without
☐ Plate ☑ Pipe (Dia.) (mm) (QW-452.3)	Ø168.3	Ø73 and above
Base material specification / P-No. / G-No. (QW-423.1)	SA-335, grade P91 / P-No. 15E / G-No. 1 to SA1-335, grade P91 / P-No. 15E / G-No. 1	P-No. : P1 to P15F, P34, P41 to P49 / G-No. : Nonessential
Filler metal or electrode Spec. no.	(GTAW : AWS A5.28) ; (SMAW : AWS 5.5)	Nonessential
Classification	(GTAW : ER90S-B9) ; (SMAW : E9015-B91 H4R)	Nonessential
(QW-404.15 & QW-433) F-No. / A-No.	(GTAW : F6 / A5) ; (SMAW : F4 / A5)	(GTAW : F6 / A5) ; (SMAW : F1 to F4 / A5)
Consumable insert	N/A	N/A
Filler metal product form (QW-402.23)	GTAW (Solid rod) ; SMAW (electrode)	GTAW (Solid rod) ; SMAW (electrode)
Deposit thickness for each process (mm) (QW-452.1)		
Process 1_GTAW_ (root) 3 layers min. ☑ Yes ☐ No	7	14, max
Process 2_SMAW_(others) 3 layers min. ☑ Yes ☐ No	11.26	22.52, max
Welding position(s) (QW-461.9)	5G	Groove : Flat (F), vertical-up (V), overhead (O) Fillet : All
Vertical progression (Up-hill / Down-hill) (QW-405.3)	Up-hill	Up-hill
Backing gas (Flow rate, L/min) (QW-408.4)	Argon (7-15 L/min)	Argon (7-15 L/min)
Shielding gas (Flow rate, L/min) (QW-353, QW-356)	Argon (15-17 L/min)	Argon (15-17 L/min)
Transfer mode	N/A	N/A
Current type / polarity (QW-409.4)	GTAW (DCEN) ; SMAW (DCEP)	GTAW (DCEN) ; SMAW (DC / AC)

Test Results

Visual examination		Report no.	Radiographic test		Report no.
No rejectable defect	Acceptable	VIA90589	No rejectable defect	Acceptable	RAA90180

Bend Test			Macro Examination	
Specimen no.	Results	Report no.	Specimen no.	Results / Report No.
N/A	N/A	N/A	N/A	N/A

Date of welding	25 January 2019	Date of test (NDT)	27 January 2019
Result	Pass	Date of test (DT)	N/A
Validation of approval	Refer to QW-322.1 of ASME BPVC Section IX : 2017 for Expiration of Qualification		
Welding witnessed by	LAU, Wai Yin - ETL's CSWIP Certified Welding Inspector		
Witnessed by Customer / Consultant	Customer's representative		

The statements in this record are correct. The test weld was prepared, welded and tested in accordance with the requirements of ASME BPVC Section IX : 2017

Approved Signatory

TSUI, Chi Keung David

The inspection results relate exclusively to the work ordered or the object(s) or the lot inspected
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UNIMIT ENGINEERING PUBLIC COMPANY LIMITED



WELDER PERFORMANCE QUALIFICATIONS (WPQ)

Welder's name: MR. Jakkaphan S. ID Card No. 1 4406 00041 57 8 Identification No. WI8-216

Test Description Date welded SEPTEMBER 14,2019

Identification of WPS followed: WP15E15E-51891P Rev.1 ☑ Test Coupon ☐ Production Weld

Specification and type/grade or UNS Number of material (s): A 106 Gr. B Thickness: 7.11mm NPS 6" Sch.40

Testing Conditions and Qualification Limits

Welding Variables (QW-350)	Actual Values		Range Qualified	
Welding process (es)	GTAW +SMAW		GTAW+SMAW	
Type (i.e. manual, semi-auto) used	MANUAL		MANUAL	
Backing (with / without)	Without	Weld Metal	With or Without	With Backing
☐ Plate ☑ Pipe (enter diameter if pipe or tube) [QW-452.3]	NPS 6" (OD.168.3 mm)		2 7/8" (OD.73mm) and Over	
Base metal P- Number to P- Number [QW-423.1]	P No.1 to P No.1		P-No.1 through P-No.15F,P-No. 34 and P-No.41 through P-No.49	
Filler metal or electrode Specification(s) (SFA) (info. only)	5.28	5.5		
Filler metal or electrode Classification(s) (info. only)	ER90S-B9	E9016-B9		
Filler metal F-Number (s)	6	4	6	1,2,3,4
Consumable insert for (GTAW or PAW)	NONE	N/A	NONE	N/A
Filler Type (solid/metal or flux cored/powder) [GTAW or PAW]	SOLID	N/A	SOLID	N/A
Deposit thickness for each welding process [QW-452.1(b)]	2.0 mm	5.11mm	4.0 mm	10.22mm
Process 1 : GTAW 3 layers minimum ☐ Yes ☑ No				
Process 2 : SMAW 3 layers minimum ☑ Yes ☐ No				
Position Qualified (2G, 6G, 3F, etc.) [QW-461.9]	6G		ALL	
Vertical Progression (uphill or downhill)	UPHILL		UPHILL	
Type of fuel Gas (OFW)	NONE		NONE	
Use of backing gas (GTAW, PAW, GMAW)	WITH BACKING		WITH OR WITHOUT	
Transfer mode (spray,globular, or pluse to short circuit-GMAW)	NONE		NONE	
GTAW current type and Polarity (AC,DCEP,DCEN)	DCEN		DCEN	

Results

Visual Examination of Completd Weld (QW-302.4 Acceptable

☐ Transverse face and root bends [QW-462.3(a)] ☐ Longitudinal bends [QW-462.3 (b)] ☐ Side bends [QW-462.2]

☐ Pipe bend specimen, corrosion-resistant weld metal overlay [QW-462.5(c)]

☐ Plate bend specimen, corrosion-resistant weld metal overlay [QW-462.5(d)]

☐ Pipe specimen, macro test for fusion [QW-462.5(b)] ☐ Plate specimen, macro test for fusion [QW-462.5(e)]

Type	Result	Type	Result	Type	Result
-	-	-	-	-	-
-	-	-	-	-	-

Alternative Volumetric Examination Results (QW-191) Acceptable RT ☑ or UT ☐ Report No. . RT-WQT-046

Fillet weld - fracture Test (QW-181.2) N/A Length and percent of defects N/A

☐ Fillet weld in plate [QW-462.4(b)] N/A ☐ Fillet welds in pipe [QW-462.4(c)] N/A

Macro examination (QW-184) N/A Fillet size (mm N/A x N/A Concavity or convexity (mm.) N/A

Other tests N/A

Film or specimens evaluated by MR. Chanchai. (RT. LEVEL II) Company Qualitech Public Company Limited

Mechanical tests conducted by N/A Laboratory test no. N/A

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Boiler and Pressure Vessel Code.

Issued Date : September 14, 2019

Prepared By	Certified By	Reviewed and approved by	Accepted
UNIMIT	UNIMIT	GC RUNGROJ W. SPECTED/REVIEWED/WITNESSED	
(Welding ENG.)	(Quality MGR.)	(Client)	AI.

บริษัท ยูนิมิต เอนจิเนียริ่ง จำกัด (มหาชน)

UNIMIT ENGINEERING PUBLIC COMPANY LIMITED



WELDER PERFORMANCE QUALIFICATIONS (WPQ)

Welder's name MR. Jakkaphan S. ID Card No. 1 4496 00041 57 8 Identification No. WLS-216

Test Description

Date welded SEPTEMBER 14,2019

Identification of WPS followed WP15E15E-11895P Rev.1 ☑ Test Coupon ☐ Production Weld

Specification and type/grade or UNS Number of material (s) A 106 Gr. B Thickness 5.54mm NPS 2" Sch.80

Testing Conditions and Qualification Limits

Welding Variables (QW-350)	Actual Values	Range Qualified
Welding process (es)	GTAW	GTAW
Type (i.e. manual, semi-auto) used	MANUAL	MANUAL
Backing (with / without)	WITHOUT	WITH OR WITHOUT
☐ Plate ☑ Pipe (enter diameter if pipe or tube [QW-452.3]	NPS 2" (OD.60.3 mm)	1" (OD.25mm) and Over
Base metal P- Number to P- Number [QW-423.1]	P No.1 to P No.1	P-No.1 through P-No.15F,P-No. 34 and P-No.41 through P-No.49
Filler metal or electrode Specification(s) (SFA) (info. only)	5.28	
Filler metal or electrode Classification(s) (info. only)	ER90S-B9	
Filler metal F-Number (s)	6	6
Consumable insert for (GTAW or PAW)	NONE	NONE
Filler Type (solid/metal or flux cored/powder) [GTAW or PAW]	SOLID	SOLID
Deposit thickness for each welding process [QW-452.1(b)]	5.54 mm	11.08 mm
Process 1 : GTAW 3 layers minimum ☑ Yes ☐ No		
Process 2 : _____ 3 layers minimum ☐ Yes ☐ No		
Position Qualified (2G, 6G, 3F, etc.) [QW-461.9]	6G	ALL
Vertical Progression (uphill or downhill)	UPHILL	UPHILL
Type of fuel Gas (OFW)	NONE	NONE
Use of backing gas (GTAW, PAW, GMAW)	WITH BACKING	WITH OR WITHOUT
Transfer mode (spray,globular, or pluse to short circuit-GMAW)	NONE	NONE
GTAW current type and Polarity (AC,DCEP,DCEN)	DCEN	DCEN

Results

Visual Examination of Completd Weld (QW-302.4 Acceptable

☐ Transverse face and root bends [QW-462.3(a)] ☐ Longitudinal bends [QW-462.3 (b)] ☐ Side bends [QW-462.2]

☐ Pipe bend specimen, corrosion-resistant weld metal overlay [QW-462.5(c)]

☐ Plate bend specimen, corrosion-resistant weld metal overlay [QW-462.5(d)]

☐ Pipe specimen, macro test for fusion [QW-462.5(b)] ☐ Plate specimen, macro test for fusion [QW-462.5(e)]

Type	Result	Type	Result	Type	Result
-	-	-	-	-	-
-	-	-	-	-	-

Alternative Volumetric Examination Results (QW-191) Acceptable RT ☑ or UT ☐ Report No. : RT-WQT-845

Fillet weld - fracture Test (QW-181.2) N/A Length and percent of defects N/A

☐ Fillet weld in plate [QW-462.4(b)] N/A ☐ Fillet welds in pipe [QW-462.4(c)] N/A

Macro examination (QW-184) N/A Fillet size (mm N/A x N/A Concavity or convexity (mm.) N/A

Other tests N/A

Film or specimens evaluated by MR. Chanchai (RT. LEVEL II) Company Qualitech Public Company Limited

Mechanical tests conducted by N/A Laboratory test no. N/A

We certify that the statements in this record are correct and that the test coupons were prepared, welded and tested in accordance with the requirements of Section IX of the ASME Boiler and Pressure Vessel Code

Issued Date : September 14, 2019

Prepared By	Certified By	Reviewed and Approved by	Accepted
UNIMIT	UNIMIT		
(Welding ENG.)	(Quality ENG.)	INSPECTED/REVIEWED/WITNESSED Client 8-10-19	AI.

UTOC (THAILAND) CO., LTD.
บริษัท อุโตกุ (ประเทศไทย) จำกัด

Mechanical Installation, Piping Fabrication and Installation
Heavy Transportation, Maintenance, Freight Forwarder, Custom clearance

หนังสือรับรองการทำงาน

หนังสือฉบับนี้ให้ไว้เพื่อรับรองว่า **นายจักรพันธ์ สีราช** รหัสพนักงาน **10460** เป็นพนักงาน **บริษัท อุโตกุ (ประเทศไทย) จำกัด ตำแหน่ง ช่างเชื่อม (Welder) โครงการ TPE_PP3 Standby Reactor ICW 7 Pumps Project** ซึ่งเริ่มปฏิบัติงานมาตั้งแต่วันที่ **14 ตุลาคม พ.ศ. 2563 จนถึงวันที่ 30 พฤศจิกายน พ.ศ. 2563**

บริษัทฯ ขอรับรองว่า **นายจักรพันธ์ สีราช** ได้ปฏิบัติงานในหน้าที่ที่ได้รับมอบหมาย ด้วยความขยัน ขันแข็ง มีมนุษย์สัมพันธ์กับเพื่อนร่วมงานอยู่ในเกณฑ์ดี

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

ลงชื่อ

(นายกิจจา เหลืองวิโรจน์)
ผู้จัดการอาวุโสฝ่ายการเงินและธุรการ

ออกให้ ณ วันที่ 30 พฤศจิกายน พ.ศ. 2563

71-71/1 ถนนราษฎร์นิยม ตำบลทับมา อำเภอเมืองระยอง จังหวัดระยอง 21000 โทรศัพท์ : 0 3891- 8900 โทรสาร : 0 3891- 8949 E-Mail : utocthai@utoc.co.th
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EMPLOYMENT CERTIFICATE

SKEC.Tufanbeyli Thermal Power Plant (TP Project)

Tufanbeyli/Adana/Turkey

TO: WHOM SO EVER IT MAY CONCERN

This is to certify MR.JAKAPHAN SEERAT (SKT-032) Holding passport No.AA-3108848 THAILAND Nationality has been employed with SK ENGINEERING AND CONSTRUCTION. and work for Tufanbeyli Thermal Power Plant (TP Project) In the Position of 6G TUDE WELDER from 19 APRIL 2014 to 30 DECEMBER 2014.

This Certificate is issued upon his request for whatever purpose it may serve him best.

SKEC ANADOLU MÜHENDİSLİK VE İNŞAAT LTD.ŞTİ. Yıldızevler Mah. 718. Sk. No:13/5 Çankaya/ANKARA

K.W.LA

ADM.MANAGER
SK.ENGINEERING AND CONSTRUCTION
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TURKEY

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SAMSUNG ENGINEERING CO, LTD.
01 RUE DES CRETES-HYDRA, ALGIERS, ALGERIE

PHONE +21321 48 4524
FAX + 213 21 48 4622

DATE: 05 March, 2013

CERTIFICATION

Name : JAKKAPHAN SEERAT

Job Title : TIG & ARC WELDER

Work Period : 01 November, 2012 ~ 06 March, 2013

This is to certify that Mr. JAKKAPHAN SEERAT has been employed by Samsung Engineering Company Limited in Skikda Refinery Rehabilitation and Adaptation Project, Algeria with a position of TIG & ARC WELDER since 01 November, 2012 to 06 March, 2013.

During his service period, he has performed his duties in a very satisfactory manner.

We have no objection in recommending Mr. JAKKAPHAN to any employer.

Done and issued this 05 March, 2013 at SECL Site Office, Skikda, Algeria.

Yours sincerely,

Mr. LEE, JONG BIN
Administration Director
Samsung Engineering Co., Ltd
Skikda Refinery Project

บริษัท ทีทีซีแอล จำกัด (มหาชน)
TTCL PUBLIC COMPANY LIMITED



QW-484 MANUFACTURER'S RECORD OF WELDER OR WELDING OPERATOR QUALIFICATION TEST (WQT)

Welder Certificate No. - Welder No. K124

Welder's name **Mr.Jakkaphan Seerat** Identification No. **1-4406-00041-57-8**

Welding process(es) used **GTAW** Type (i.e.; Manual, Semi-autometic) **Manual**

Identification of WPS followed by welder during welding of test coupon **K-P-11-G001**

Base material(s) welded **ASTM A106 Gr.B** Thickness **5.54 mm.**

Manual or Semiautomatic Variables for Each Process (QW-350)	**Actual Values**		**Range Qualified**	
Welding Process	GTAW	-	GTAW	-
Backing (metal, weld metal, weld from both sides, flux, etc.) (QW-402)	Without	-	With /Without	-
ASME P-No. 1 to ASME P-No. 1 (QW-403)	-		P.no.1-15F, 34, 41-49	
( ) Plate (x) Pipe (enter diameter, if pipe or tube) Groove	NPS 2" (Sch.80)		OD 1" to Unlimited	
Fillet	-		All	
Filler metal or electrode specification (SFA)	A5.18	-	A5.18	-
Filler metal or electrode Classifications (AWS etc.) (QW-404)	ER70S-G	-	ER70S-G	-
Filler metal F-No.	6	-	6	-
Consumable insert for GTAW or PAW	-	-	-	-
Filler metal product from (solid/metal or flux cored/powder) (GTAW or PAW)	Solid Wire		Solid Wire	
Weld deposit thickness for each welding process				
Process1 GTAW 3 layers minimum (x)Yes ( )No	5.54 mm.		11.08 mm. Max	
Process2 - 3 layers minimum ( )Yes ( )No	-		-	
Welding position (1G, 6G, 1F, 2F etc.) (QW-405)	6G		All position	
Progression (uphill/downhill)	Uphill		Uphill	
Backing gas for GTAW, PAW, or GMAW,: fuel gas for OFW (QW-408)	Without	-	With/Without	-
GMAW transfer mode (spray/globular or pulse to short circuit) (QW-409)	-	-	-	-
GTAW welding current type/polarity (AC, DCEP, DCEN)	DCEN	-	DCEN	-

Machine Welding Variables for the Process Used (QW-360)	**Actual Values**	**Range Qualified**
Direct/Remote visual control	-	-
Automatic voltage control (GTAW)	-	-
Automatic joint tracking	-	-
Welding position (1G, 6G, etc.)	-	-
Consumable insert	-	-
Backing (metal, weld metal, welded from both sides, flux, etc)	-	-

Guide Bend Test Results

Guided Bend Tests Type ( )QW-462.2 (Side) Results ( )QW-462.3(a) (Trans. R & F) Type ( )QW-462.3(b) (Long. R & F) Results

-	-	-	-
-	-	-	-
-	-	-	-

Visual examination of completed weld results (QW-302.4) Accepted

Alternative volumetric examination (QW-191) (x) RT or ( ) UT

RT/UT results (QW-304 and QW-305) Accepted Report No. KBL-TTCL-RT-S-135

(For alternative qualification of groove welds by volumetric examination)

Fillet Weld -- Fracture test (QW-182) - Length and percent of defects - in.

Macro test fusion(QW-183) - Fillet leg size - in. x - in. Concavity/convexity - in.

Other tests -

Film or specimens evaluated by Mr.Sarawut Ch. Company APEC NDT Service Co Ltd.

Mechanical test conducted by - Laboratory test no. -

Welding test conducted by KBL Test date -

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirement of Section IX of the ASME Code.

Organization TTCL MECHANICAL CO.,LTD. QA/QC

Date 4-Jul-20 by

This form (E0008) may be obtained from the Order Dept. ASME, 22 Law Orive, Box 2300, Fairfield, NJ 07007-2300

บริษัท ทีทีซีแอล จำกัด (มหาชน)
TTCL PUBLIC COMPANY LIMITED



QW-484 MANUFACTURER'S RECORD OF WELDER OR WELDING OPERATOR QUALIFICATION TEST (WQT)

Welder Certificate No. - Welder No. K124

Welder's name **Mr.Jakkaphan Seerat** Identification No. **1-4406-00041-57-8**

Welding process(es) used **GTAW** Type (i.e.; Manual, Semi-autometic) **Manual**

Identification of WPS followed by welder during welding of test coupon **K-P-88-G001**

Base material(s) welded **A 312 Gr.TP304** Thickness **5.54 mm.**

Manual or Semiautomatic Variables for Each Process (QW-350)	**Actual Values**		**Range Qualified**	
Welding Process	GTAW	-	GTAW	-
Backing (metal, weld metal, weld from both sides, flux, etc.) (QW-402)	Without	-	With /Without	-
ASME P-No. 8 to ASME P-No. 8 (QW-403)	-		P.no.1-15F, 34, 41-49	
( ) Plate (x) Pipe (enter diameter, if pipe or tube) Groove	NPS 2" (Sch.80)		OD 1" to Unlimited	
Fillet	-		All	
Filler metal or electrode specification (SFA)	A5.9	-	A5.9	-
Filler metal or electrode Classifications (AWS etc.) (QW-404)	ER308L	-	-	-
Filler metal F-No.	6	-	6	-
Consumable insert for GTAW or PAW	-	-	-	-
Filler metal product from (solid/metal or flux cored/powder) (GTAW or PAW)	Solid Wire		Solid Wire	
Weld deposit thickness for each welding process				
Process1 GTAW 3 layers minimum (x)Yes ( )No	5.54 mm.		11.08 mm. Max	
Process2 - 3 layers minimum ( )Yes ( )No	-		-	
Welding position (1G, 6G, 1F, 2F etc.) (QW-405)	6G		All position	
Progression (uphill/downhill)	Uphill		Uphill	
Backing gas for GTAW, PAW, or GMAW,: fuel gas for OFW (QW-408)	With	-	With	-
GMAW transfer mode (spray/globular or pulse to short circuit) (QW-409)	-	-	-	-
GTAW welding current type/polarity (AC, DCEP, DCEN)	DCEN	-	DCEN	-

Machine Welding Variables for the Process Used (QW-360)	**Actual Values**	**Range Qualified**
Direct/Remote visual control	-	-
Automatic voltage control (GTAW)	-	-
Automatic joint tracking	-	-
Welding position (1G, 6G, etc.)	-	-
Consumable insert	-	-
Backing (metal, weld metal, welded from both sides, flux, etc)	-	-

Guide Bend Test Results

Guided Bend Tests Type ( )QW-462.2 (Side) Results ( )QW-462.3(a) (Trans. R & F) Type ( )QW-462.3(b) (Long. R & F) Results

-	-	-	-
-	-	-	-
-	-	-	-

Visual examination of completed weld results (QW-302.4) Accepted

Alternative volumetric examination (QW-191) (x) RT or ( ) UT

RT/UT results (QW-304 and QW-305) Accepted Report No. KBL-TTCL-RT-S-135

(For alternative qualification of groove welds by volumetric examination)

Fillet Weld -- Fracture test (QW-182) - Length and percent of defects - in.

Macro test fusion(QW-183) - Fillet leg size - in. × - in. Concavity/convexity - in.

Other tests -

Film or specimens evaluated by Mr.Sarawut Ch. Company APEC NDT Service Co. Ltd.

Mechanical test conducted by - Laboratory test no. -

Welding test conducted by KBL Test date 4-Jul-20

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirement of Section IX of the ASME Code.

Organization

Date 4-Jul-20 by

TTCL MECHANICAL CO.,LTD. QA/QC

This form (E0008) may be obtained from the Order Dept. ASME, 22 Law Orive, Box 2300, Fairfield, NJ 07007-2300



SAMSUNG ENGINEERING

WELDER PERFORMANCE QUALIFICATIONS (WPQ)

Welder's name: Mr. Jakkaphan Sirath | Identification No.: RS-216

Test Description

Identification of WPS followed: WPS-RS-B3-P8-P8-001 | ☒ Test coupon | ☐ Production weld

Specification of base metal(s): A 312 Gr.TP 304, T0 A 403 Gr. WP304 | Thickness: 3.91 mm.

Testing Conditions and Qualification Limits

Welding Variables (QW-350)	Actual Values	Range Qualified
Welding process(es)	GTAW	GTAW
Type (ie; manual, semi-auto) used	Manual	Manual
Backing (metal, weld metal, double-welded, etc.)	With backing	with backing
☐ Plate ☒ Pipe (enter diameter if pipe or tube)	Ø 2"	OD 1"to Unlimited
Base metal P- or S-Number to P- or S-Number	P-8 to P-8	P-8 through P-8
Filler metal or electrode specification(s) (SFA) (info only)	A 5.9	A 5.9
Filler metal or electrode classification(s) (info. only)	ER 308L(TGS-308L)	ER 308L(TGS-308L)
Filler metal F-Number(s)	6	6
Consumable insert (GTAW or PAW)	N/A	N/A
Filler type (solid/metal or flux cored/powder) (GTAW or PAW)	Solid wire	Solid wire
Deposit thickness for each process		
Process 1: GTAW 3 layers minimum ☒ Yes ☐ No	3.91 mm	7.82 mm.(Max)
Process 2: N/A 3 layers minimum ☐ Yes ☐ No	N/A	N/A
Position qualified (2G, 6G, 3F, etc.)	6G	All position weld
Vertical progression (uphill or downhill)	Up hill	Up hill
Type of fuel gas (OFW)	N/A	N/A
Inert gas backing (GTAW, PAW, GMAW)	Gr. 99.99 %	Gr. 99.99 %
Transfer mode (spray/globular or pulse to short circuit-GMAW)	N/A	N/A
GTAW current type/polarity (AC, DCEP, DCEN)	DCEN	DCEN

RESULTS

Visual Examination of Completed Weld (QW-302.4): Accepted

☐ Bend test. ☐ Transverse root and face [QW-462.3(a)]; ☐ Longitudinal root and face [QW-462.3(b)]; ☐ Side (QW-462.2);
☐ Pipe bend specimen, corrosion-resistant overlay [QW-462.5(c)]; ☐ Plate bend specimen, corrosion-resistant overlay [QW-462.5(d)];
☐ Macro test for fusion [QW-462.5(b)]; ☐ Macro test for fusion [QW-462.5(e)]

Type	Result	Type	Result	Type	Result

Alternative radiographic examination results (QW-191): Accepted as report from PAE.RT-WQT-2009 / 123

Fillet weld - fracture test (QW-180): N/A | Length and percent of defects: N/A

Macro examination (QW-184): N/A | Fillet size (in.): N/A x N/A | Concavity/convexity (in.): N/A

Other tests: N/A

Film or specimens evaluated by: Mr.wichian | Company: PAE Technical Service Co.,Ltd.

Mechanical tests conducted by: N/A | Company: N/A

Welding supervised by: Mr.Thongsai P. | Red Sea Engineering Co.,Ltd.

We certify that the statements in this record are correct and that the test [illegible] prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Boiler and Pressure [illegible]

Prepared by: Mr.Thongsai P.

Qualified date: 06 JUNE ,2009

Certified by: [illegible] C. Manager [illegible] C



SAMSUNG ENGINEERING

WELDER PERFORMANCE QUALIFICATIONS (WPQ)

Welder's name: Mr. Jakkaphan Siratli Identification No: RS-216

Test Description

Identification of WPS followed: WPS-RS-001 ☒ Test coupon ☐ Production weld

Specification of base metal(s): A 106 Gr.B T0 A 106 Gr. B Thickness: 5.54 mm.

Testing Conditions and Qualification Limits

	Actual Values	Range Qualified
Welding Variables (QW-350)		
Welding process(es)	GTAW	GTAW
Type (ie, manual, semi-auto) used	Manual	Manual
Backing (metal, weld metal, double-welded, etc.)	With out backing	with out /with backing
☐ Plate ☒ Pipe (enter diameter if pipe or tube)	Ø 2"	OD 1"to Unlimited
Base metal P- or S-Number to P- or S-Number	P-1 to P-1	P-1 through P-11
Filler metal or electrode specification(s) (SFA) (info. only)	A 5.18	A 5.18
Filler metal or electrode classification(s) (info. only)	ER 70S-G	ER 70S-G
Filler metal F-Number(s)	6	6
Consumable insert (GTAW or PAW)	N/A	N/A
Filler type (solid/metal or flux cored/powder) (GTAW or PAW)	Solid wire	Solid wire
Deposit thickness for each process		
Process 1: GTAW 3 layers minimum ☒ Yes ☐ No	5.54 mm	11.08 mm.(Max)
Process 2: N/A 3 layers minimum ☐ Yes ☐ No	N/A	N/A
Position qualified (2G, 6G, 3F, etc.)	6G	All position weld
Vertical progression (uphill or downhill)	Up hill	Up hill
Type of fuel gas (OFW)	N/A	N/A
Inert gas backing (GTAW, PAW, GMAW)	with out	With / with out
Transfer mode (spray/globular or pulse to short circuit GMAW)	N/A	N/A
GTAW current type/polarity (AC, DCEP, DCEN)	DCEN	DCEN

RESULTS

Visual Examination of Completed Weld (QW-302.4): Accepted

☐ Bend test: ☐ Transverse root and face [QW-462.3(a)], ☐ Longitudinal root and face [QW-462.3(b)], ☐ Side (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant overlay [QW-462.5(c)] ☐ Plate bend specimen, corrosion-resistant overlay [QW-462.5(d)]

☐ Macro test for fusion [QW-462.5(b)] ☐ Macro test for fusion [QW-462.5(e)]

Type	Result	Type	Result	Type	Result

Alternative radiographic examination results (QW-191): Accepted as report from PAE RT-WQT-2009 / 120

Fillet weld - fracture test (QW-180): N/A Length and percent of defects: N/A

Macro examination (QW-184): N/A Fillet size (in.): N/A x N/A Concavity/convexity (in.): N/A

Other tests: N/A

Exterior specimens evaluated by: Mr.wichan Company: PAE Technical Service Co.,Ltd.

Mechanical tests conducted by: N/A Company: N/A

Welding supervised by: Mr.Thongsai Company: Engineering Co.,Ltd.

We certify that the statements in this record are correct and that the test welds were prepared, welded and tested in accordance with the requirements of Section IX of the ASME Boiler and Pressure Vessel Code.

Prepared by: Mr.Thongsai P.

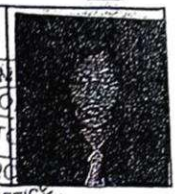
Qualified date: 11 May ,2009

Certified by:

QC Manager / SETC

ptt Asahi

RECORD OF WELDER OR WELDING OPERATOR QUALIFICATION TEST FOR PTTAC AN/MMA PROJECT (W Q R)



Welder Name : Mr. Jakkapan S. Check No. : ID. 1 440 600041 57 8 Stamp No. : RTC-W-089

Using WPS No. : S1-002 Rev. 1

the above welder is qualified for the following ranges.

Variable			Record Actual Values Used in Qualification	Qualification Range
Welding Process			GTAW	GTAW
Process Type			Manual	Manual
Backing [metal,weld metal,flux,etc] (QW-402) :			N/A	N/A
Material Spec. (QW-403) :			A106 GR.B TO A106 GR.B	CS TO CS
P-No. :			1 TO 1	1 TO 1
Thickness	■ Groove	☐ Fillet	S40 (3.91mm)	up to 7.82 mm
Diameter	■ Groove	☐ Fillet	2"	1"and over
Filler Metal (QW-404)				
Spec. No. (SFA) :			SFA 5.18	SFA 5.18
AWS No. (Class) :			ER70S-G	ER70S-G
F No. :			6	6
Position (QW405) :			6G	ALL
Weld Progression (QW-410) :			Uphill	Uphill
Gas Type (QW-408) :			Argon	Argon
Electrical Characteristics(QW-409) :				
Current/Polarity :			DCSP	DCSP

Visual Examination of Comleted Weld (QW-302.4) : Acceptable

Guided Bend Best [QW-462.2(a),QW-462.3(a),QW-462.3(b)]

Type and Figure No.	Result
N/A	N/A

RADIOGRAPHIC TEST RESULT (QW-304 & QW-305)

(For alternative qualification of groove welds by radiography)

Radiographic Results : ACCEPTABLE (Report No. WQT-225)

SAMSUNG ENGINEERING

WELDER PERFORMANCE QUALIFICATIONS (WPQ)



Welder's name: Mr. Jakkapan Seerage Identification No.: RS-048 QA/QC

Test Description

Identification of WPS followed: WPS-RS-002 [✓] Test coupon [ ] Production weld

Specification of base metal(s): A 106 Gr.B Thickness: 10.97 mm.

Testing Conditions and Qualification Limits

Welding Variables (QW-350)	Actual Values	Range Qualified
Welding process(es)	GTAW + SMAW	GTAW + SMAW
Type (ie; manual, semi-auto) used	Manual	Manual
Backing (metal, weld metal, double-welded, etc.)	Weld one side	with + without backing
[ ] Plate [✓] Pipe (enter diameter if pipe or tube)	Ø 6" SCH. 80	Plate + Pipe Ø OD. ≥ 2-7/8"
Base metal P- or S-Number to P- or S-Number	P-No. 1 to P-No. 1	P-No.1 through P-No. 11
Filler metal or electrode specification(s) (SFA) (info. only)	5.18 / 5.1	5.18 / 5.1
Filler metal or electrode classification(s) (info. only)	ER 70S-G / E 7016	ER 70S-G / E 7016
Filler metal F-Number(s)	6/4	All F-No.6+4,3,2,1
Consumable insert (GTAW or PAW)	N/A	N/A
Filler type (solid/metal or flux cored/powder) (GTAW or PAW)	Solid wire	with solid filler metal
Deposit thickness for each process		
Process 1: GTAW 3 layers minimum [ ] Yes [✓] No	3 mm	6 mm.(Max)
Process 2: SMAW 3 layers minimum [✓] Yes [ ] No	7.97 mm	15.94 mm.(Max)
Position qualified (2G, 6G, 3F, etc.)	6G	All position
Vertical progression (uphill or downhill)	Uphill	Uphill
Type of fuel gas (OFW)	N/A	N/A
Inert gas backing (GTAW, PAW, GMAW)	N/A	N/A
Transfer mode (spray/globular or pulse to short circuit-GMAW)	N/A	N/A
GTAW current type/polarity (AC, DCEP, DCEN)	DCEN / DCEP	DCEN / AC or DCEP

RESULTS

Visual Examination of Completed Weld (QW-302.4): Accepted

[ ] Bend test; [ ] Transverse root and face [QW-462.3(a); [ ] Longitudinal root and face [QW-462.3(b); [ ] Side (QW-462.2);
[ ] Pipe bend specimen, corrosion-resistant overlay [QW-462.5(c)]; [ ] Plate bend specimen, corrosion-resistant overlay [QW-462.5(d)];
[ ] Macro test for fusion [QW-462.5(b)]; [ ] Macro test for fusion [QW-462.5(e)]

Type	Result	Type	Result	Type	Result

Alternative radiographic examination results (QW-191): Accepted as report from PAE.RT-WQT-2007 / 038

Fillet weld - fracture test (QW-180): N/A Length and percent of defects: N/A

Macro examination (QW-184): N/A Fillet size (in.): N/A x N/A Concavity/convexity (in.): N/A

Other tests: N/A

Film or specimens evaluated by: Mr.Chaleamkiat Company: PAE Technical Service Co.,Ltd.

Mechanical tests conducted by: N/A Laboratory test no.: N/A

Welding supervised by: Mr.Surasak Nicholas Red Sea Engineering Co.,Ltd.

We certify that the statements in this record are correct and that the test coupons were prepared, welded and tested in accordance with the requirements of Section IX of the ASME Boiler and Pressure Vessel Code.

Prepared by: Mr.Surathin Thoodoan

Qualified date: December 10, 2007

Certified by:

QC Manager / SETC

Test procedure no. P0102-401

Manual or Semiautomatic Variales For Each Process (QW - 402)	Actual Values	Ranges Qualified
Backing (metal,weld metal,welded from both side,flux,etc.) (QW - 402)	NO	NO
ASME P-No P-No.1 To ASME P-No. (QW - 403)	P-No.1	P-No.1
( ) Plate (X) Pipe (enter diameter (NPS), if pipe)	2",6"	1" and Above
Filler metal specification (SFA) 5.18,5.1 Classification (QW - 404)	ER70S-G,ER70S-G+E7016	ER70S-G,ER70S-G+E7016
Filler metal F-No. 6,4	6,4	6,4
Consumable insert for GTAW or PAW	Argon	Argon
	GTAW,GTAW+SMAW	GTAW,GTAW+SMAW
Weld deposit thickness for each welding process	5.2,2.4+15.8	10.4,8+31.6
	(Groove) (Fillet)	(Groove) (Fillet)
Welding position (1G,5G,ect.) (QW - 405)	6G	ALL ALL
Progression (uphill/downhill)	Uphill	Uphill
Backing gas for GTAW,PAW or GMAW : fuel gas for OGW (QW - 408)	No.	N/A
GMAW tranfer mode (QW - 409)	N/A	N/A
Welding current type/Polarity	DCEN,DCEN+DCEP	DCEN,DCEN+DCEP

IRPC - WELDER CARD

Welder No. IRPC-1921

Name : นายจักรพันธ์

(ไทย) สีราช

(English) Mr.Jukkapan Seerach

ID. Card 1 440600041578

Applicant. 2",6" 6G GTAW+SMAW ER80S-G,ER80S-G+F.X016-B2

Expire Date : 1/06/54

Tel. No. : 087-0217661

IRPC

No.	Project No.	Contractor Name	Start Date	Sign	End Date	Sign
1	CHP-1PJ7012/00-00	TJEL	1/06/54			

IRPC - WELDER CARD



Welder No. IRPC-1921

Name : นายจักรพันธ์

(ไทย) สีราช

(English) Mr.Jukkapan Seerach

ID. Card 1 44060004157 8

Applicant. 2",6" 6G GTAW+SMAW ER80S-G,ER80S-G+E8016-B2

Expire Date : 20/5/11

Tel. No. : 087-0217661

IRPC Sarawut J.

No.	Project No.	Contractor Name	Start Date	Sign	End Date	Sign
1	CHP-1PJ7012/00-00	TJEL	21/5/12			

Test procedure No / WPS No TJEL-IRPC-WPS-03 , TJEL-IRPC-WPS-05

Manual or Simiautomatic Variales For Each Process (QW - 350)	Actual Values	Ranges Qualified
Backing (metal,weld metal,welded from both side,flux,etc.) (QW - 402)	Without	With or Without
ASME P-No P-No.4 To ASME P-No. (QW - 403)	P-No.4	P-No.4
( ) Plate (X) Pipe (enter diameter (NPS), if pipe)	2",6"	1" and Above
Filler metal specification (SFA) 5.28,5.5 Classification (QW - 404)	ER80S-G,ER80S-G+E8016 -B2	Equivalent
Filler metal F-No. 6,4	6,4	6,4
Consumable insert for GTAW or PAW	Argon	Argon
	GTAW.GTAW+SMAW	GTAW.GTAW+SMAW
Weld deposit thickness for each welding process	5.54 , 4+6.97	11.08 , 8+13.94 (Groove) (Fillet)
Welding position (1G,5G,ect) (QW - 405)	6G	ALL ALL
Progression (uphill/downhill)	Uphill	Uphill
Backing gas for GTAW,PAW or GMAW : fuel gas for OGW (QW - 408)	N/A	N/A
GMAW tranfer mode (QW - 409)	N/A	N/A
Welding current type/Polarity	DCEN,DCEN+DCEP	DCEN,DCEN+DCEP

WELDER IDENTIFICATION CARD

Project Name	ABP1R2R Combined Cycle Cogeneration Plant Proje
Company Name	RMS Quality Co., Ltd.
Welder No.	RMSQ-P004
Welder Name	Mr.Prawet Ruplaor
Certified By RMS	
Date	17-Feb-22
Code	ASME Section IX



VASIN S. QC Engineer RMS QUALITY CO., LTD.

QUALIFIED AS FOLLOWS

Process	P. No	O.D.	Thickness	F. No	Posi.	Remarks
GTAW	P No.1 through 15F, 34, 41 through 49	O.D. 25 mm. & Over	Up to 7.82 mm.	6	All	SS
GTAW	P No.1 through 15F, 34, 41 through 49	O.D. 25 mm. & Over	Up to 11.08 mm.	6	All	CS
GTAW+SMAW	P No.1 through 15F, 34, 41 through 49	O.D. 73 mm & Over	Up to 20.54 mm.	4+6	All	CS

Approved By TPSC : Mr Choosak
Date : 22/12/2022

WELDER IDENTIFICATION CARD

Project Name	ABP1R2R Combined Cycle Cogeneration Plant Project
Company Name	RMS Quality Co., Ltd.
Welder No.	RMSQ-P004
Welder Name	Mr. JAKKAPHAN SEERAT
Certified By RMS	
Date	2-Nov-21
Code	ASME Section IX



VASIN S. QC Engineer RMS QUALITY CO., LTD.

QUALIFIED AS FOLLOWS

Process	P. No	O.D.	Thickness	F. No	Posi.	Remarks
GTAW	P No.1 through 15F, 34, 41 through 49	O.D. 25 mm. & Over	Up to 11.08 mm.	6	All	C/S
GTAW+SMAW	P No.1 through 15F, 34, 41 through 49	O.D. 73 mm & Over	Up to 14.22 mm.	4+6	All	C/S

Approved By TPSC : Mr Choosak
Date : 03 NOV 2021

TPSC(T) 03 NOV 2021 CHOOSAK B. QA/QC ENGINEER

03 NOV 2021 Surapol L.

WELDER IDENTIFICATION CARD

Project Name	BPAT2 COMBINED CYCLE COGENERATION PLANT PROJECT
Company Name	RMS Quality Co., Ltd.
Welder No.	RMSQ-P014
Welder Name	Mr. Jakkaphan Seerat
Certified By RMS	
Date	19-Oct-22
Code	ASME Section IX 2019



SAHANON R. QC MANAGER RMS QUALITY CO., LTD.

NAWAPHON M. QC Engineer RMS QUALITY CO., LTD.

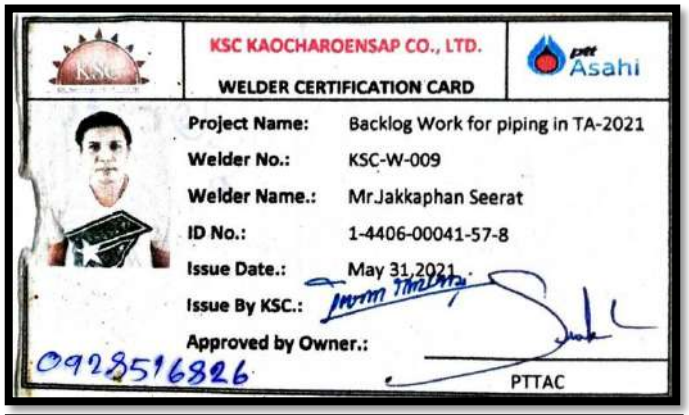
QUALIFIED AS FOLLOWS

Process	P. No	O.D.	Thickness	F. No	Posi.	Remarks
GTAW	P No.1 through 15F, 34, 41 through 49	O.D. 25 mm. & Over	Up to 11.08 mm.	6	All	C/S
GTAW+SMAW	P No.1 through 15F, 34, 41 through 49	O.D. 73 mm. and Over	GTAW = 4 mm. SMAW = 8.22 mm.	6+6	All	C/S

Approved By TPSC
Date

TPSC(T) 03 NOV 2022 THANAPORN P. QA/QC ENGINEER

WELDER IDENTIFICATION CARD



KSC KAOCHAROENSAP CO., LTD.

WELDER CERTIFICATION CARD

pttAsahi

Project Name: Backlog Work for piping in TA-2021

Welder No.: KSC-W-009

Welder Name.: Mr.Jakkaphan Seerat

ID No.: 1-4406-00041-57-8

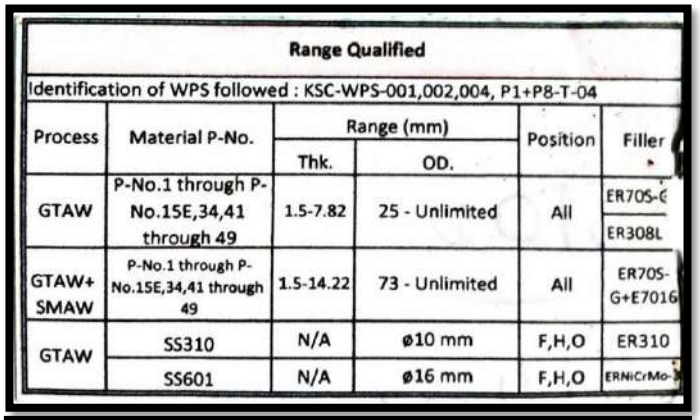
Issue Date.: May 31,2021

Issue By KSC.:

Approved by Owner.:

0928516826

PTTAC



Range Qualified

Identification of WPS followed : KSC-WPS-001,002,004, P1+P8-T-04

Process	Material P-No.	Range (mm)		Position	Filler
		Thk.	OD.		
GTAW	P-No.1 through P-No.15E,34,41 through 49	1.5-7.82	25 - Unlimited	All	ER70S-G ER308L
GTAW+ SMAW	P-No.1 through P-No.15E,34,41 through 49	1.5-14.22	73 - Unlimited	All	ER70S-G+E7016
GTAW	SS310	N/A	ø10 mm	F,H,O	ER310
	SS601	N/A	ø16 mm	F,H,O	ERNiCrMo-3



SCG CHEMICALS

RAYONG ENGINEERING & PLANT SERVICE CO., LTD.

WELDER CERTIFICATION CARD

Project Name : TPE_PP3 Standby Reactor

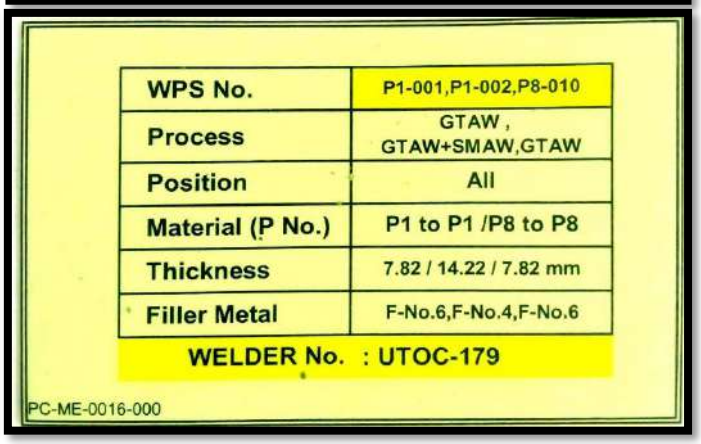
Welder No. : UTOC-179

Welder Nam : Mr. Jakkaphan S.

Issue Date : 12 Oct 2020

QA/QC

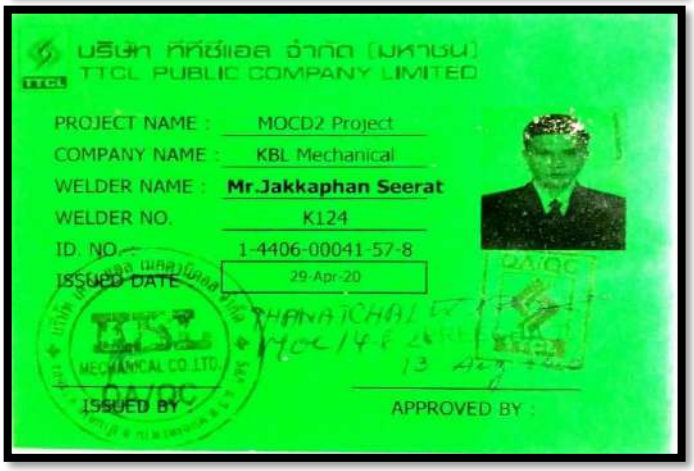
Welder Contractor Owner



WPS No.	P1-001,P1-002,P8-010
Process	GTAW , GTAW+SMAW,GTAW
Position	All
Material (P No.)	P1 to P1 /P8 to P8
Thickness	7.82 / 14.22 / 7.82 mm
Filler Metal	F-No.6,F-No.4,F-No.6

WELDER No. : UTOC-179

PC-ME-0016-000



บริษัท ทีทีซีแอล จำกัด (มหาชน)

TTCL PUBLIC COMPANY LIMITED

PROJECT NAME : MOCD2 Project

COMPANY NAME : KBL Mechanical

WELDER NAME : Mr.Jakkaphan Seerat

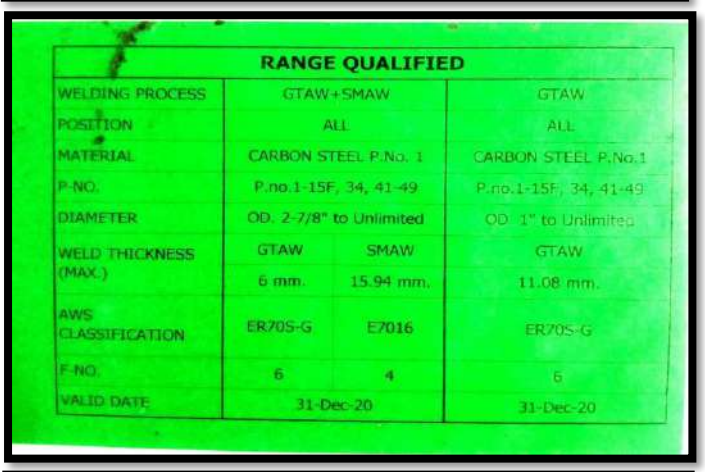
WELDER NO. K124

ID. NO. : 1-4406-00041-57-8

ISSUED DATE : 29-Apr-20

QA/QC

ISSUED BY : APPROVED BY :



RANGE QUALIFIED

WELDING PROCESS	GTAW+SMAW		GTAW
POSITION	ALL		ALL
MATERIAL	CARBON STEEL P.No. 1		CARBON STEEL P.No.1
P-NO.	P.no.1-15F, 34, 41-49		P.no.1-15F, 34, 41-49
DIAMETER	OD. 2-7/8" to Unlimited		OD. 1" to Unlimited
WELD THICKNESS (MAX.)	GTAW	SMAW	GTAW
	6 mm.	15.94 mm.	11.08 mm.
AWS CLASSIFICATION	ER70S-G	E7016	ER70S-G
F-NO.	6	4	6
VALID DATE	31-Dec-20		31-Dec-20



บริษัท ทีทีซีแอล จำกัด (มหาชน)

TTCL PUBLIC COMPANY LIMITED

PROJECT NAME : MOCD2 Project

COMPANY NAME : TTCL Public Co.,Ltd.

WELDER NAME : Mr.Jakkaphan Seerat

WELDER NO. K124

ID. NO. : 1-4406-00041-57-8

ISSUED DATE : 4-Jul-20

THANATCHAI K.

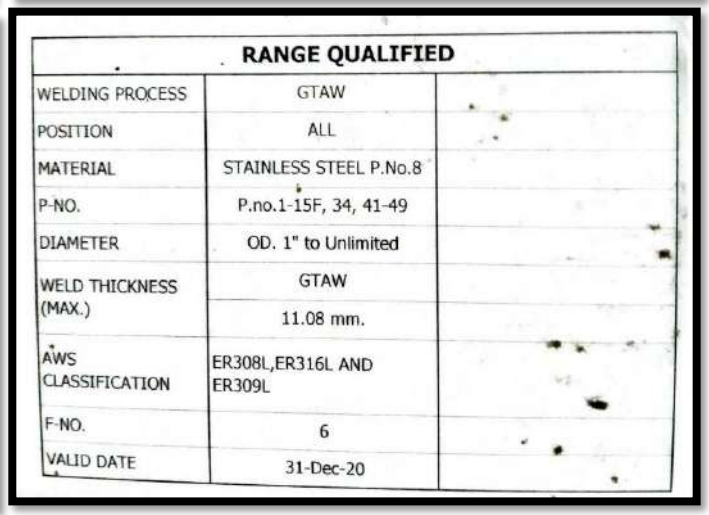
13-07-20

PREECHA T.

13/02/2020

QA/QC

ISSUED BY : APPROVED BY :



RANGE QUALIFIED

WELDING PROCESS	GTAW
POSITION	ALL
MATERIAL	STAINLESS STEEL P.No.8
P-NO.	P.no.1-15F, 34, 41-49
DIAMETER	OD. 1" to Unlimited
WELD THICKNESS (MAX.)	GTAW
	11.08 mm.
AWS CLASSIFICATION	ER308L,ER316L AND ER309L
F-NO.	6
VALID DATE	31-Dec-20

Unimit Engineering Public Company Limited



Stamp No. : W18-216

Name : MR. JAKKAPHAN S.

Process : (GTAW+SMAW)

Material : P-No.1~P-No.15F,P-No.34,P-No.41~49 and Unassigned Metal

Qualified Range

Process	Date Register	Position	Min Dia (in)	Max t (mm.)	F. No.	Backing
GTAW+SMAW**	18/3/2021	ALL	2 7/8" OD	ALL	6 + 5	NO+YES
Legend	* CARBON STEEL		**STAINLESS STEEL			

UNIMIT QA/QC 23/3/21

Prepared By

Approved by

Unimit Engineering Public Company Limited



Stamp No. : W18-216

Name : MR. Jakkaphan S.

Process : GTAW

Material : P-No.1~P-No.15F,P-No.34,P-No.41~49 and Unassigned Metal

Qualified Range

Process	Date Register	Position	Min Dia (in)	Max t (mm.)	F. No.	Backing
GTAW **	10/1/2020	ALL	1" OD	11.0	6	W/WO
* CARBON STEEL			**STAINLESS STEEL			

UNIMIT QA/QC

PTT GLOBAL CHEMICAL

SURAPONG K.

INSPECTED/REVIEWED/WITNESSED BY INSPECTION (IT-II-IP1)

Prepared By

Approved by

Unimit Engineering Public Company Limited



Stamp No. : W18-216

Name : MR. Jakkaphan S.

Process : GTAW & (GTAW+SMAW)

Material : P-No.1~P-No.15F,P-No.34,P-No.41~49 and Unassigned Metal

Qualified Range

Process	Date Register	Position	Min Dia (in)	Max t (mm.)	F. No.	Backing
GTAW***	14/9/2019	ALL	1" OD	11.08	6	WO
TAW+SMAW***	14/9/2019	ALL	2 7/8" OD	4+10.22	6 + 1,2,3, 4	WO + W
Legend	* CARBON STEEL		**STAINLESS STEEL		*** ALLOY	

UNIMIT QA/QC 9/10/19

GC

SUNGROW

INSPECTED/REVIEWED/WITNESSED

Prepared By

Approved by 8/10/19

CCGT Project Department

CCGT Project

Company: Kum Shing E&M Limited

Name: Seerat Jakkaphan

Welder No: KSS-097

Issued By: CCGT/QAQC Team

Issued Date: 11/02/2019

Signature by: Peter Chiu



Welder No: KSS-097		Rev 01
	ASME IX	
Process	SMAW, GTAW	
Type	Pipe	
Material	C.S., S.S, P11/22, P91/92	

*This card is the property of CLP and to certify the holder passed the required skill test and allowed to carry out the specific welding in CCGT project.

บริษัท ซีทีซีไอ (ประเทศไทย) จำกัด
CTCI (THAILAND) CO.,LTD.

PDH WELDER'S I.D CARD

Welder No. : TPW-047 **Welder Name : Mr.Jakphum S.**



Process : GTAW+SMAW
Position : ALL
Base Metals : P1 TO P1
Welding Range : Pipe 1" O.D & OVER
Thickness : UP TO 14.22 mm
Filler Metals : F6+F4
(SFA 5.18+SFA 5.1)
Performance Date : Mar.01,2008

CTCI : _____ CLIENT : _____

Al Naboodah

Al Naboodah Engineering LLC

Welder Qualification Test Record



Welder: Mr. Jakkaphan	W.ID: 60	Code: ASME Sec. IX
WPS # 004	PQR # 004	Process/Type: GTAW

Variable		Actual Values	Range Qualification
B. Metal Spec/Gr/P No.		ASTM A 106Gr. B / P1	P1 Through P11, P34,P4X
Plate ( ) Pipe (√), Thk.		5.54mm	1.5mm to 11.08
Filler Metal	F Number	6	6
	Spec	SFA 5.18	SFA 5.18
	AWS Class	ER 70 S-3	ER 70 S-3
Weld Thick	Groove	Single V Butt	Single V Butt
	Fillet	N/A	All
Welding Position		6G	All Position
Weld Progression		Up hill	Up hill
Technique		Stringer & Weave	Stringer & Weave
Backing		N/A	N/A
Shielding Gas/Flux		Argon	Argon
Current/Polarity		DCEN	DCEN

Visual/NDT	Result
Visual Test	Accept
Radiography Test	Accept

We certify that the statements in this record are correct and that the test coupons were prepared, Welded and tested in accordance with the requirements of Code **ASME Sec. IX**

Test Inspected by		Accepted by	
Name	Mr. A . Raju	Name	Mr. James Locke
Organization	Lonestar Technical Services, Dubai	Organization	Al Naboodah/ Group 5
Date	12th Nov 2008	Date	
Signature		Signature	

Al Naboodah

Welder Qualification Test Record



Welder: Jakkaphan	W.ID: 60	Code: ASME IX
WPS # 001	PQR # 001	Process/Type: GTAW+SMAW

Variable		Actual Values	Range Qualification
B. Metal Spec/Gr/P No.		ASTM A 106Gr. B / P1	P1 Through P11, P34,P4X
Plate ( ) Pipe (√), Thk.		7.11mm	1.5mm. to 14.22mm.
Filler Metal	F Number	6&4	6&4
	Spec	ER70-S-3, E7018	ER70-S-3, E7018
	AWS Class	ER70-S-3, E7018	ER70-S-3, E7018
Weld Thick	Groove	Single V Butt	Single V Butt
	Fillet	N/A	All
Welding Position		6G	All Position
Weld Progression		Up hill	Up hill
Technique		Stringer & Weave	Stringer & Weave
Backing		N/A	With or Without
Backing Gas/Flux		Argon	Argon or Equivalent
Current/Polarity		DCEP/DCEN	DCEP/DCEN

Visual/NDT	Result
Visual Test	Accept
Radiography Test	Accept

We certify that the statements in this record are correct and that the test coupons were prepared, Welded and tested in accordance with the requirements of Code **ASME Sec. IX**

Test Inspected by		Accepted by	
Name	Mr. A . Raju	Name	Mr. James Locke
Organization	Lonestar Technical Services, Dubai	Organization	Al Naboodah/ Group 5
Date	11th Nov 2008	Date	
Signature		Signature	



KINGWELD

polytechnology co.,ltd.

Project: ANGD PIPELINE PART#2
Company: Polytechnology Co., Ltd./CK River Construction Ltd. Part.
Welder Name: Mr. Jakkaphan Seerat
National ID: 1-4406-00041-57-8
Welder ID: PLT-W-005-P2
Approved By: KINGWELD's Director
Date: April 23, 2018

API 1104 Welder Qualified	
Outside Diameter	60.3 mm to 323.9 mm (2.375" to 12.75")
Wall Thickness	4.8 mm to 19.1 mm
Welding Process	GTAW + SMAW
Welding Direction	Vertical uphill
Filler Metal Group	Group 5 & 3
Welding Position	All position
Joint Design	Single V Bevel
Approved Signature:	
Date:	April 23, 2018

Official Stamp

WELDER IDENTIFICATION CARD

MYC

Welder No.: MYC-04	Project : TPC/PARTIAL REPLACEMENT AND RECONDITION TANK M-FA1706
Company :	MYC MAINTENNANCE AND SUPPLY CO.,LTD.
Welder Name:	Mr. Jakkaphan S.
ID No:	1-4406-00041-57-8
Certified by:	Prepared by / Approved by:



APEC
Mr. Tanakrit L.
(Dec 1,2017)

RANGE OF QUALIFIED
CODE/SPEC: ASME SECTION IX

WPS No.	MYC-SA516-70-01
Mat'l Spec.	SA516 Gr.70
P. No.	P No. 1 To P No.1
Dia.	Pipe ≤ 24 in. (610 mm)
Thk.(mm)	1.5-16.00 mm. (Max)
Process.	SMAW
Filler Metal	E7016
F.No.	F4
Position	F,H,V (Groove,Fillet)

EFF. OCTOBER 1, 2015 APEC-INS-FM-016-00

RAYONG ENGINEERING & PLANT SERVICE CO., LTD.

SCG CHEMICALS

WELDER CERTIFICATION CARD



Project Name : TPE_HD4 SMX
Welder No. : UTOC-024
Welder Name : Mr. Jakkaphan S.
Issue Date : 11 Nov.2017

QA/QC

Welder Contractor Owner

RANGE OF QUALIFIED
CODE/SPEC: ASME SECTION IX

WPS No.	MYC-SA516-70-01
Mat'l Spec.	SA516 Gr.70
P. No.	P No. 1 To P No.1
Dia.	Pipe ≤ 24 in. (610 mm)
Thk.(mm)	1.5-16.00 mm. (Max)
Process.	SMAW
Filler Metal	E7016
F.No.	F4
Position	F,H,V (Groove,Fillet)

EFF. OCTOBER 1, 2015 APEC-INS-FM-016-00

HYUNDAI ENGINEERING CO., LTD. HYUNDAI

Welder Identification Card

Name	JAKPHAN SRIRAJ
Identification No.	TLAB-TAC-216
Certified By	(sign) G.H.Oh.
QA/QC Manager	(date) 15-Jan-2015



Qualified Range		
Dia. (inch)	Process / thk	Position
1" ~ unlimited	GTAW / 1.6 -11.08 mm.	All / P-NO.1

Welder Identification Card

Qualified Range			Certified by
Dia. (inch)	Process / thk	Position	
2-7.8" ~ unlimited	GTAW + SMAW 4.8 - 21.94 mm.	All / P-NO.1	G.H. Oh/QCM

Received HYUNDAI Engineering 16 JAN 2015 QA/QC Y.S. KANG

We qualified that above person is a qualified welder.

HYUNDAI ENGINEERING CO., LTD. HYUNDAI

ENERJISA WELDER IDENTIFICATION CARD

SK E&C



ID NO. SW080
NAME Jakaphan Seerat
Qlfd. Date 2014. 05. 3

This is to certify that the above person is qualified in accordance with the applicable Codes & Standards.

COMPANY NAME : SKEC
APPROVED BY

SK E&C H K LEE
Site Quality Control Manager

QUALIFICATION DETAILS

NAME : Jakaphan Seerat ID No. : SW080

Process	Mat'l	Electrodes AWS Class / Electrodes Lot & Cer No.	Range Thk.	Range Dia	Position	Date Qualified
GTAW	P No. 1	AWS 5.18 / ER 70S-2	1.6 mm to 8.4 mm	1" to Unlimited	ALL	2014-05. 03
GTAW	P No. 5B	AWS 5.28 / ER 90S-B9	1.6 mm to 11.6mm	1" to Unlimited	ALL	2014-05 .03

Murray & Roberts Power & Energy

Murray and Roberts Power & Energy

Project	Morupule A - Refurbishment Project Botswana
Name	Jakkaphan Seerat
ID / Passport No.	1440600041578
Welders Stamp No.	MR059
Nationality	Thai
Code / Testing Standard	ISO 9606-1
WPS	EE002/T/SV/N
Date of Test	13/06/2013
Designation	iso9606-1, 141 , T , BW , FM3 , S , s8.8 , D45.8 , H-L045.8 , ss nb



บริษัท โตโย-ไทย คอร์ปอเรชั่น จำกัด (มหาชน)
TOYO-THAI CORPORATION PUBLIC COMPANY LIMITED

TTCL

PROJECT NAME : NNE CCGT SPP PROJE
COMPANY NAME : TTCL
WELDER NAME : Mr.Jakkapan S.
WELD NO. : TTCL/TJEL-W-017
ISSUED DATE : 6-Apr-2012
ISSUED BY :



WELDING PROCESS	GTAW+SMAW	GTAW		
POSITION	6G	6G		
MATERIAL	A106 Gr.B	A106 Gr.B		
P-NO.	1	1		
DIAMETER	6" Sch 40	2" Sch 40		
FILLER METAL	ER70S-G,E7016	ER70S-G		
F-NO.	6,4	6		
VALID DATE	6 Apr 12	6 Apr 12		

บริษัท โตโย-ไทย คอร์ปอเรชั่น จำกัด (มหาชน)
TOYO-THAI CORPORATION PUBLIC COMPANY LIMITED

TTCL

PROJECT NAME : NNE CCGT SPP PROJE
COMPANY NAME : TTCL
WELDER NAME : Mr.Jakkapan S.
WELD NO. : TTCL/TJEL-W-017
ISSUED DATE : 6-Apr-2012
ISSUED BY :



WELDING PROCESS	GTAW			
POSITION	6G			
MATERIAL	SA312 TP304			
P-NO.	8			
DIAMETER	2" Sch 40			
FILLER METAL	ER308L			
F-NO.	6			
VALID DATE	6 Apr 12			

DEELINE CONSTRUCTION COMPANY LIMITED



Mr.Jakkapan Seerach

Project	OSX3 FPSO
Welder ID No.	W-297
Welder Name	Mr.Jakkapan Seerach
Code / Spec.	ASME IX
Position	ALL (Test 6G)
Process	GTAW,GTAW+SMAW
Material	A106 Gr.B
Consumable	ER70S-6,ER70S-6+E7016
Qualified Date	May 30, 2012

Welder of Piping

MODEC

Process	Position	MAT. Group	Diameter	Thickness
GTAW	ALL (Test 6G)	S1 or P1 to S1 or P1	25mm.-Unlimited	10.16mm.(Max)
GTAW+SMAW	ALL (Test 6G)	S1 or P1 to S1 or P1	73mm.-Unlimited	Unlimited

PREPARE BY

DEELINE

aibel

aibel

DEELINE CONSTRUCTION COMPANY LIMITED



Mr.Jakkapan Seerach

Project	: OSX3 FPSO
Welder ID No.	: W-297
Welder Name	: Mr.Jakkapan Seerach
Code / Spec.	: ASME IX
Position	: ALL (Test 6G)
Process	: GTAW
Material	: ASTM A790 S31803
Consumable	: ER2209
Qualified Date	: June 11, 2012

Welder of Piping — MODEC

Process	Position	MAT. Group	Diameter	Thickness
GTAW	ALL (Test 6G)	S10H or P10H to S10H or P10H	25mm.-Unlimited	21.14mm.(Max)

PREPARE BY

DEELINE

aibel — APPROVED BY QAQC — No.42 — 19/6/12

aibel — Reviewed / Witness / Inspected

THAI JURONG ENGINEERING LIMITED

PROJECT : DAN CHANG BIO-ENERGY CO.,LTD.

WELDER'S IDENTIFICATION CARD



NAME : Mr. Jakapan Serach

IDENTIFICATION: TJLE-DCB-W-046

THICKNESS RANGE: GTAW : 11.08 MAX. / SMAW : 18.54 MAX.

DIAMETER RANGE: 1" O.D & ABOVE

F NO QUALIFIED: GTAW:F6/SMAW:F4

DATE OF APPROVAL OF WELDING: 7 August 2011

POSITION(S): 6G

TJEL — THERMAX LTD

DETAILS OF QUALIFICATIONS

	JWPS-03A	JEL-ROJ-WPS-04	WPS NO
	7-Aug-2011	7-Aug-2011	DATE
	A106-Gr.B	A106-Gr.B	MATERIAL
	6G	6G	POSITION
	A 5.18 ER70S-G + A5.1 E7016	A 5.18 ER70S-G	FILLER METAL
	2 3/8" OD and above	1" and above	RANGE QUALIFIED
			TJEL / APPROVED BY
			THER MAX / APPROVED BY

IRPC - WELDER CARD



Welder No. IRPC-1921

Name : นายจักรพันธ์

(ไทย) ศีราช

(English) Mr.Jukkapan Seerach

ID. Card 1 440600041578

Applicant. 2",6" 6G GTAW+SMAW ER80S-G,ER80S-G+E8016-B2

Expire Date : 1/06/54

Tel. No. : 087-0217661

IRPC

No.	Project No.	Contractor Name	Start Date	Sign	End Date	Sign
1	CHP-1PJ7012/00-00	TJEL	16/6/12			

Test procedure no. P0102-40-1

Manual or Semiautomatic Variables For Each Process (QW-)	Actual Values	Ranges Qualified
Backing (metal,weld metal,welded from both side,flux,etc.) (QW-)	NO	NO
ASME P-No. P-No.1 To ASME P-No. (QW-403)	P-No.1	P-No.1
( ) Plate (X) Pipe (enter diameter (NPS), if Pipe)	2",6"	1" and Above
Filler metal specification (SFA) 5.18,5.1 Classification (QW-404)	ER70S-G,ER70S-G+E7016	ER70S-G,ER70S-G+E7016
Filler metal F-No. n.a	6,4	6,4
Consumable insert for GTAW or PAW	Argon	Argon
Weld deposit thickness for each welding process	GTAW,GTAW+SMAW	GTAW,GTAW+SMAW
	5.2,2.4+15.8	10.4,4.8+31.6 (Groove) (Fillet)
Welding position (1G,5G,etc) (QW-405)	6G	ALL ALL
Progression (uphill/downhill)	Uphill	Uphill
Backing gas for GTAW,PAW or GMAW : fuel gas for OGW (QW-408)	No.	N/A
GMA W tranfer mode (QW-409)	N/A	N/A
Welding current type/Polarity	DCEN,DCEN+DCEP	DCEN,DCEN+DCEP

IRPC - WELDER CARD



Welder No. IRPC-1921
Name : นายจักรพันธ์ สีราช
(English) Mr.Jukkapan Seerach
ID. Card 1 44060004157 8
Applicant. 2",6" 6G GTAW+SMAW ER80S-G,ER80S-G+E8016-B2
Expire Date : 20/5/11
Tel. No. : 087-0217661

IRPC QA Sirawut J.

No.	Project No.	Contractor Name	Start Date	Sign	End Date	Sign
1	CHP-1PJ7012/00-00	TJEL	21/5/10			

Test procedure no P0102-40-1

Manual or Simiautomatic Variales For Each Process (QW - 350) — Actual Values — Ranges Qualified

Backing (metal,weld metal,welded from both side,flux,etc.) (QW - 402) — NO — NO
ASME P-No P-No.1 To ASME P-No. (QW - 403) — P-No.1 — P-No.1
( ) Plate (X) Pipe (enter diameter (NPS), if pipe) — 2",6" — 1" and Above
Filler metal specification (SFA) 5.18,5.1 Classification (QW - 404) — ER70S-G,ER70S-G+E7016 — ER70S-G,ER70S-G+E7016
Filler metal F-No. 6,4 — 6,4
Consumable insert for GTAW or PAW — Argon — Argon
Weld deposit thickness for each welding process — GTAW,GTAW+SMAW — GTAW,GTAW+SMAW
5.2,2.4+15.8 — 10.4,8+31.6 (Groove) (Fillet)
Welding position (1G,5G,ect) (QW - 405) — 6G — ALL ALL
Progression (uphill/downhill) — Uphill — Uphill
Backing gas for GTAW,PAW or GMAW : fuel gas for OGW (QW - 408) — No. — N/A
GMA W tranfer mode (QW - 409) — N/A — N/A
Welding current type/Polarity — DCEN,DCEN+DCEP — DCEN,DCEN+DCEP

WELDER IDENTIFICATION CARD

BAB GAS COMPRESSION PROJECT

SK E&C



ID No	SKW2-127
Name	JAKKAPAN SEERAT
Date Qlfd	1-Oct-11

This is to certify that the above person is qualified in accordance with the applicable Code&Standards

BAB GAS COMPRESSION — 1/Oct/2011

Site Quality Manager

Qualification Details

Name: JAKKAPHAN SEERAT ID No.: SKW2-127

Process	Mat'l.	Electrodes AWS Class	Range Thk.	Range Dia.	Position	Date Qualified
GTAW	A106GR.B	ER70S-2	Max 11.08	OD1"& above	6G	27-Sep-11
GTAW / SMAW	A106GR.B	ER70S-2/E7018	GT:3mm, SMAW:Unlimited	OD 2 ½"& above	6G	27-Sep-11
	F .NO	6/4				
	WPS NO	SKEC-01/01-GT-001,SKEC-01/01-/GT/SM-001				

*Thickness in mm

WELDER IDENTIFICATION CARD

BAB GAS COMPRESSION PROJECT

SK E&C



ID No	SKW2-127
Name	JAKKAPHAN SEERAT
Date Qlfd	27-Sep-11

This is to certify that the above person is qualified in accordance with the applicable Code&Standards

BAB GAS COMPRESSION — 29/9/2011

Site Quality Manager

Test procedure No / WPS No TJEL-IRPC-WPS-03 , TJEL-IRPC-WPS-05

Manual or Simiautomatic Variales For Each Process (QW - 350)	Actual Values	Ranges Qualified
Backing (metal,weld metal,welded from both side,flux,etc.) (QW - 402)	Without	With or Without
ASME P-No P-No.4 To ASME P-No. (QW - 403)	P-No.4	P-No.4
( ) Plate (X) Pipe (enter diameter (NPS), if pipe)	2",6"	1" and Above
Filler metal specification (SFA) 5.28,5.5 Classification (QW - 404)	ER80S-G,ER80S-G+E8016-B2	Equivalent
Filler metal F-No. 6,4	6,4	6,4
Consumable insert for GTAW or PAW	Argon	Argon
	GTAW,GTAW+SMAW	GTAW,GTAW+SMAW
Weld deposit thickness for each welding process	5.54 , 4+6.97	11.08 , 8+13.94 (Groove) (Fillet)
Welding position (1G,5G,ect) (QW - 405)	6G	ALL ALL
Progression (uphill/downhill)	Uphill	Uphill
Backing gas for GTAW,PAW or GMAW : fuel gas for OGW (QW - 408)	N/A	N/A
GMAW tranfer mode (QW - 409)	N/A	N/A
Welding current type/Polarity	DCEN,DCEN+DCEP	DCEN,DCEN+DCEP

TJEL

THAI JURONG ENGINEERING LIMITED

WELDER CERTIFICATION CARD



Project Name:	TNP2 SPP POWER PROJECT
Company name:	NKW Welder&Const. Co. Ltd.
Welder Name:	Mr. Jukkapan Seerach
ID No:	1440600041578
Welder No:	NKW-W-023
Issued Date:	22-Aug-11
Issued by:	TJEL QA-QC Dept.
Authorised Signatory:	_____ _____

TJEL

THAI JURONG ENGINEERING LIMITED

RANGE QUALIFIED

CODE	ASME SEC IX	ASME SEC IX	
WELDING PROCESS	GTAW+SMAW	GTAW+SMAW	
POSITION	6G / ALL	6G / ALL	
MATERIAL	CS	Alloy	
P No.	P1 TO P1	P4 TO P4	
FILLER MATERIAL	ER70S-G/E7016	ER80S-G/E8016-B2	
DIAMETER	25mm to Unlimited	25mm to Unlimited	
THICKNESS	Max to be welded	Max 21.94mm	
F No.	6+4	6+4	
VALIDITY	31-Dec-12	31-Dec-12	

KUWAIT NATIONAL PETROLEUM CO.
Inspection & Corrosion Division(SHU)
WELDERS CERTIFICATE



Name	**Jakkaphan Seerat**
No.	**7BK 173**
Employed By	CS/1975-ISCO
Approved By	

Nasser Al-Sebaii
TL - I & C - SHU

Welder Qualified For

Pipe Size :	2 7/8" OD & above	Plate :	All
Thickness :	Upto 22 mm	Position :	6G
Material :	C.S	Class :	2D (IC-23)
Electrodes :	ER70 S2 + E7018	Date of Test :	**11/12/2010**
Technique :	Uphill	Valid Until :	**30/06/2011**

Date of Renewal :

Note: 1.This card is clearance for the mentioned limits only and may be revoked on the job if the opinion of the Inspection Engineer weld quality is not satisfactory.

Process : GTAW + SMAW

PTTAC AN&MMA PROJECT — Proj. No. 08C7460

บริษัท ซีทีซีไอ (ประเทศไทย) จำกัด
CTCI (THAILAND) CO.,LTD

WELDER I.D CARD



WELDER NAME	Mr.Jakkapan S.		
WELDER NO.	KTC-W-089		
QUALIFIED PROCESS	GTAW & GTAW+SMAW		
QUALIFIED POSITION	ALL		
F-NO:	6 & 6+ 4	P-NO:	1 to 1
THINKNESS RANGE	GTAW: up to 7.82mm GTAW+SMAW: up to 14.22mm		
PIPE DIA.RANGE	GTAW: 1" and over GTAW+SMAW: 2 7/8" and over		
CERTIFIED BY :		DATE	30/Dec/09

SCG CHEMICALS

WELDER IDENTIFICATION CARD

SAMSUNG ENGINEERING



MOC Cracker Project

ID Number : RS-216

Name : Mr.Jakkaphan Sirath

Qualified date : 11 May 2009

This is to certify that the above person is qualified in accordance with the applicable Codes & Standards.

C

Field Quality Manager

Qualification Details

Name : **Mr.Jakkaphan Sirath** D No.: **RS-216**

Process	Group Name	Mat'l	Filler Metal	Range Thk.(mm)	Position	Qualified Date	Rang OD.(IN)
GTAW	C/G	P1	ER 70S-G(TGS-50)	11.08 (Max)	ALL	11 May 09	Up to 1-4"
GTAW SMAW	C/GS	P1	ER 70S-G(TGS-50) E 7016(LB-52)	21.94 (Max)	ALL	11 May 09	2.7/8 & Over

SCG CHEMICALS — WELDER IDENTIFICATION CARD — SAMSUNG ENGINEERING



MOC Cracker Project

ID Number : RS-216

Name : Mr.Jakkaphan Sirath

Qualified date : 06 June 2009

This is to certify that the above person is qualified in accordance with the applicable Codes & Standards.

C SS

Field Quality Manager

Qualification Details

Name : Mr.Jakkaphan Sirath D No.: RS-216

Process	Group Name	Mat'l	Filler Metal	Range Thk.(mm)	Position	Qualified Date	Rang OD.(IN)
GTAW	C/G	P1	ER 70S-G(TGS-50)	11.08 (Max)	ALL	11 May 09	Up to 1-4"
SMAW GTAW	C/GS	P1	ER 70S-G(TGS-50) E 7016(LB-52)	21.94 (Max)	ALL	11 May 09	2.7/8 & Over
GTAW	SS/G	P8	ER308L(TGS-308L)	7.82 (Max)	ALL	6 Jun 09	Up to 1-4"

SCG CHEMICALS — WELDER IDENTIFICATION CARD — SAMSUNG ENGINEERING



MOC Cracker Project

ID Number : GF-001

Name : Mr.JAKKAPHAN S.

Qualified date : 22 August 2008

This is to certify that the above person is qualified in accordance with the applicable Codes & Standards.

Field Quality Manager

Qualification Details

Name : Mr.JAKKAPHAN S. ID No.: GF-001

Process	Group Name	Mat'l	Filler Metal	Range Thk.(mm)	Position	Qualified Date
GTAW	C/G	P1	ER 70S-G	11.08 (Max)	6G	22-Aug-08
GTAW+ SMAW	C/GS	P1	ER 70S-G+ E 7016	14.22 (Max)	6G	22-Aug-08

SCG CHEMICALS — WELDER IDENTIFICATION CARD — SAMSUNG ENGINEERING



MOC Cracker Project

ID Number : RS-048

Name : Mr.Jakkapan S.

Qualified date : 10 December 2007

This is to certify that the above person is qualified in accordance with the applicable Codes & Standards.

SAMSUNG QA/QC

Field Quality Manager

Qualification Details

Name : Mr.Jakkapan S. ID No.: RS-048

Process	Group Name	Mat'l	Brand Name	Range Thk.(mm)	Position	Qualified Date
GTAW SMAW	C/GS	CS	TGS-50 LB 52	6 mm. 15.94 mm.	6G	10 Dec 07

Welder Performance Qualification Card



TNDT

Employer : Thai Ability Engineering Co.,Ltd.

Welder's Name : Mr.Jukkaphan S.

I.D. Number : 1 4406 00041 57 8 Welder Number : RS-001

Welding Process : GTAW + SMAW Process Type : MANUAL

Issued By : TNDT Plublic CO., LTD. Signature : N.Nuthapon

Approved By : TNDT LTD. Signature : Prayuth N.

Reference : ASME IX Date : 14 Sep 2007

Variable	Actual Values	Range Qualified
Backing	Without & With backing	With or Without and Withbacking
P-Number	P- 1 to P- 1	P-1 TO P-11
Plate	Pipe	Plate & Pipe
F - Number	F-6,F-4	ALL F No.6 + 4,3,2,1
Weld Thickness	2.0mm.,5.11mm.	4.0mm.,10.22mm.
Position	6G	All
Progression	Uphill	Uphill
Electrical	DC,AC	DC,AC

Welder Performance Qualification Card



Employer :	Thai Ability Engineering Co.,Ltd		
Welder's Name :	Mr. Jukkaphan S.		
I.D. Number :	1 4406 00041 57 8	Welder Number :	WP-001
Welding Process :	GTAW	Process Type :	MANUAL
Issued By :	TNDT Plublic CO., LTD.	Signature :	N. Nuttapon.
Approved By :	Prayuth Trio	Signature :	Prayuth N
Reference :	ASME IX	Date :	14 Sep 2007

Variable	Actual Values	Range Qualified
Backing	Without backing	With or Without backing
P-Number	P- 8 to P- 8	P-1 TO P-11
Plate	Pipe	Plate & Pipe
F - Number	F-6	ALL F. 6
Weld Thickness	3.91mm.	7.82mm.
Position	6G	All
Progression	Uphill	Uphill
Electrical	DC	DC

Welder Performance Qualification Card



Employer :	Thai Ability Engineering Co.,Ltd		
Welder's Name :	Mr. Jukkaphan S.		
I.D. Number :	1 4406 00041 57 8	Welder Number :	WP-001
Welding Process :	GTAW	Process Type :	MANUAL
Issued By :	TNDT Plublic CO., LTD.	Signature :	N. Nuttapon.
Approved By :	Trio. LTD	Signature :	Prayuth N
Reference :	ASME IX	Date :	14 Sep 2007

Variable	Actual Values	Range Qualified
Backing	Without backing	With orWithout backing
P-Number	P- 1 to P- 1	P-1 TO P-11
Plate	Pipe	Plate & Pipe
F - Number	F-6	ALL F. 6
Weld Thickness	5.54mm.	11.08mm.
Position	6G	All
Progression	Uphill	Uphill
Electrical	DC	DC

Welder Identification Card

(EF/1501 KOCFMP)



ID No.	SKW-1084
Name	Jakkaphat Seerat
Issued Date	18/Sep/2006

This is to certify that the above person is qualified in accordance with ASME Section IX, and validity is 6 months from the date of issue.

s s suk

QC Mg'r (SKEC) — Company(KOC)

SK Engineering & Construction Co., Ltd.

Qualification Details

Name: Jakkaphat Seerat — ID No.: SKW-1084

Process	Material	Electrode	Range Thk.	Range Dia.	Position	Remark
GTAW	P1 to 11 (Max 21.94)	F6	Max 8mm	2 7/8" & over	6G	With & Without purge
SMAW		F4	Max 13.94mm			
Contractor	SKEC-GC10/20					

"Thickness in mm" & "Diameter in Inches"

MET

Mighty Engineering&Technology PTE.Limited.

WELDER'S I.D. CARD

Project Name	:Process Reliability Improvement
Company Name	:JJ Machinery & Supply Limited
Welder No.	: WP- 101
Weder name	: Mr. Jakraphan S.
Date	:April 29,06
Issued By	:
Certify By	:



QUALIFIED AS FOLLOWS

Process	P No.	DIA.	THK.	F.No.	POST.	REM.
GTAW						
GTAW + SMAW	P1+P1	1-7/8"& OVER	UP TO 17.2MM	6+4	ALL	
SMAW +						
MAT'L	CS(A53 Gr.B or Eqv.)					

QUALIFICATION CARD
(WELDER, WELDING OPERATOR)



NAME : MR. JUKPHAN S.

DATE OF BIRTH OCTOBER 22, 1985

VALIDITY APRIL 18, 2006

The qualification certificate is to certify that this welder & welding operator has passed qualification test carried out by STCL

Signature :

SAMSUNG ENGINEERING THAILAND CO.,LTD

Certificate No	**TOC-CS-GT-0050**
Applied Code	ASME IX
Process	GTAW
Kind of Welding Rod	ER70S-G
Classification of Qualification	PIPE ≥ Ø 1" THK 7.8 MM (MAX)
Position	ALL
Subcontractor Name	QTEC

NOTE : The welder & welding operator shall perform the welding for the qualified welding condition

ISSUE DATE : APRIL 18, 2005

TAC
Thai Alliance

WELDERS QUALIFICATION CERTIFICATE



Project Name **Piping Modifytion Unit 320 & 500**

Name Mr.Jakkapan S.

Welder No. TAC-003

Issued by : _____ Approved by: _____

Date _____ 6 Jun'06

TAC ATC

This Welder has certified as the followings

WPS. No.	Welding process	Base Metal P-No.	Base Metal Thickness	Filler Matal	Position	Mat Class
A	SMAW	1	12 mm.	E7016	3G & 4G	SS-400

A= AWS-05-005

We certify that above person has passed the welding performance qualification test carried by TAC in accordance with the requirment of Section IX of the ASME Code.

Lamprell

LAMPRELL ENERGY LTD.
P. O. Box 17642, Dubai, U. A. E.



NAME : JAKKAPHAN
WELDER NO. : JS-3224
PROCESS : GTAW
CODE : ASME IX (Piping)

LAMPRELL

Progression	: Uphill
Base metals	: CS, SS, duplex
Diameter	: see positions
WeldDeposit Thickness	: Up to 17.48mm
Filler Metal	: F6
Backing	: With or without backing
Gas backing	: With or without gas backing
Positions Groove	: ALL positions 1" O.D. & over
Fillet	: ALL positions, any diameter

หนังสือเดินทางฉบับนี้ มี bb หน้า
This passport contains 66 pages

Passport No.

AC3655049

OFFICIAL OBSERVATIONS

The holder of this passport has previously travelled on Passport No. AA9871078 issued by the Ministry of Foreign Affairs in Bangkok on 22 FEB 2018.

Passport Division, Bangkok.

PASSPORT
หนังสือเดินทาง

KINGDOM OF THAILAND — ราชอาณาจักรไทย

Type / รหัส: P
Country Code / ประเทศ: THA
Passport No. / หนังสือเดินทางเลขที่: AC3655049

Surname / นามสกุล: SEERAT
Title / Name / คำนำหน้าชื่อ / ชื่อ: MR. JAKKAPHAN
Name in Thai / ชื่อภาษาไทย: นาย จักรพันธ์ สีราช

Nationality / สัญชาติ: THAI
Date of Birth / วันเกิด: 22 OCT 1985
Identification No. / เลขประจำตัวประชาชน: 1440600041578

Sex / เพศ: M
Place of Birth / สถานที่เกิด: MAHA SARAKHAM

Height / ส่วนสูง: 1.61M
Date of Issue / วันที่ออก: 22 JUL 2022
Date of Expiry / วันที่หมดอายุ: 21 JUL 2032

Issuing Authority / ออกให้โดย: MINISTRY OF FOREIGN AFFAIRS
Holder's Signature / ลายมือชื่อผู้ถือหนังสือเดินทาง: JAKKAPHAN

THA 22 OCT 1985

P<THASEERAT<<JAKKAPHAN<<<<<<<<<<<<<<<<<<<<<<
AC36550492THA8510220M3207213144060004157 8<02

คำเตือนคนประจำเรือ

๑. หนังสือคนประจำเรือ (SEAMAN BOOK) และหนังสือคนประจำเรือประมง (SEAMAN BOOK FOR FISHING VESSEL) จะใช้แทนกันไม่ได้

๒. กรมเจ้าท่ามีอำนาจเพิกถอน และเรียกคืนหนังสือคนประจำเรือ เมื่อปรากฏในภายหลังว่า

(๑) ผู้ถือหนังสือคนประจำเรือเป็นผู้ซึ่งขาดคุณสมบัติที่จะขอหนังสือคนประจำเรือประเภทนั้น

(๒) หนังสือคนประจำเรือถูกใช้โดยบุคคลอื่นซึ่งมิใช่ผู้ถือหนังสือคนประจำเรือ

(๓) หนังสือคนประจำเรือนั้นถูกบันทึกหรือแก้ไขโดยผู้ไม่มีอำนาจหน้าที่

(๔) กรณีเหตุจำเป็นอื่น ๆ ตามที่อธิบดีกรมเจ้าท่าประกาศกำหนด

NOTICE

1. Seaman Book and Seaman Book for Fishing Vessel are not substitutive or replaceable.
2. The Marine Department shall revoke the Seaman Books which shall be returned to the officials for the reasons as follows:
   (1) The bearer of such Seaman Book is disqualified.
   (2) Such Seaman Book is used by a person other than the bearer of a Seaman Book.
   (3) Such Seaman Book has been recorded or amended by non-authorized person.
   (4) In other cases of necessity as prescribed in the Notification by the Director General of Marine Department.

2

ลายมือชื่อผู้ถือหนังสือ / Signature of the bearer

(หนังสือนี้จะสมบูรณ์ต่อเมื่อ ลายมือชื่อผู้ถือหนังสือ / Not Valid Unless Singed by Bearer)

SID

Seafarers' Identity Document No.

หนังสือแสดงตนคนประจำเรือ

เลขประจำตัวคนประจำเรือไทยเลขที่

TH68003774

THAILAND

หนังสือคนประจำเรือ เลขที่

SEAMAN BOOK No.

J19468



Document Code / รหัส
PK

Country Code / ประเทศ
THA

Surname / นามสกุล
SEERAT

Given name / ชื่อ
JAKKAPHAN

Name in Thai / ชื่อภาษาไทย
จักรพันธ์ สีราช

Nationality / สัญชาติ
THAI

Sex / เพศ
M

Identification No. / เลขประจำตัวประชาชน
1440600041578

Date of Birth / วันเกิด
22 OCT 1985

Place of Birth / สถานที่เกิด
MAHA SARAKHAM

Date of issue / วันที่ออก
06 MAY 2025

Distinguishing Marks / ตำหนิ
SCAR ON THE LEFT HAND

Date of expiry / วันที่หมดอายุ
05 MAY 2030

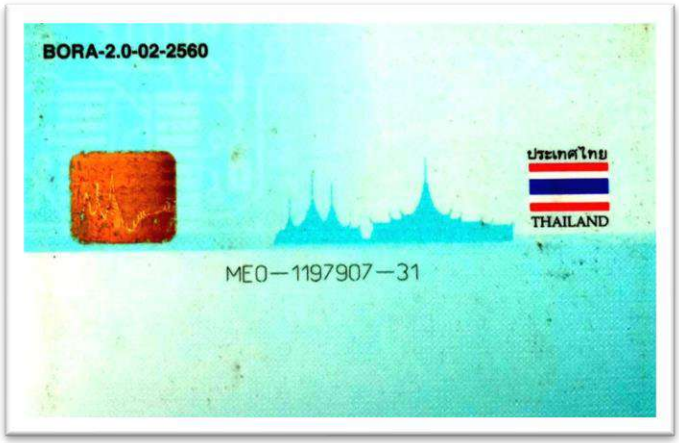
Issuing Authority / ออกให้โดย
MARINE DEPARTMENT

3

PKTHASEERAT<<JAKKAPHAN<<<<<<<<<<<<<<<<<<<<<<<

J19468<<<9THA8510220M3005051144060004157 8<08


บัตรประจำตัวประชาชน Thai National ID Card
เลขประจำตัวประชาชน
Identification Number
1 4406 00041 57 8
ชื่อตัวและชื่อสกุล นาย จักรพันธ์ สีราช
Name Mr. Jakkaphan
Last name Seerat
เกิดวันที่ 22 ต.ค. 2528
Date of Birth 22 Oct. 1985
ศาสนา พุทธ
ที่อยู่ 19 หมู่ที่ 5 ต.ห้วยเตย อ.ชำสูง
จ.ขอนแก่น
22 ก.พ. 2561
วันออกบัตร
22 Feb. 2018
Date of Issue
(ลาทิตย์ บุญมะโสภัต)
เจ้าพนักงานออกบัตร
21 ต.ค. 2569
วันบัตรหมดอายุ
21 Oct. 2026
Date of Expiry
4021-05-02221008


BORA-2.0-02-2560
ประเทศไทย
THAILAND
ME0—1197907—31

รายการเกี่ยวกับบ้าน เล่มที่ 1

เลขรหัสประจำบ้าน 4009-002554-7 สำนักทะเบียน อำเภอชำสูง

รายการที่อยู่ 19 หมู่ที่ 5
ตำบลห้วยเตย อำเภอชำสูง จังหวัดขอนแก่น

ชื่อหมู่บ้าน ชื่อบ้าน

ประเภทบ้าน ข้าน ลักษณะบ้าน

วันเดือนปีที่กำหนดบ้านเลขที่

ลงชื่อ นายทะเบียน
(นางเด่นดวง ริมสกุล)

วันเดือนปีที่พิมพ์ทะเบียนบ้าน 20 กุมภาพันธ์ 2557

1

สำเนาถูกต้อง นาย อัครพันธ์ สีราช

เล่มที่1 รายการบุคคลในบ้านของเลขรหัสประจำบ้าน 4009-002554-7 ลำดับที่ 10

ชื่อ นายจักรพันธ์ สีราช สัญชาติ ไทย เพศ ชาย

เลขประจำตัวประชาชน 1-4406-00041-57-8 สถานภาพ ผู้อาศัย เกิดเมื่อ 22 ต.ค. 2528

มารดาผู้ให้กำเนิด ชื่อ กิตต้า 3-4406-00472-66-4 สัญชาติ ไทย

บิดาผู้ให้กำเนิด ชื่อ สมบูรณ์ 3-4406-00472-76-1 สัญชาติ ไทย

ย้ายมาจาก 112 หมู่ที่ 7 ต.หนองแวง
อ.กุดรัง จ.มหาสารคาม เมื่อ 22 ก.พ. 2561

นายทะเบียน
(นายพรหมพงศ์ ดวงผรม)

** ไปที่

นายทะเบียน

11

ท ▬ 331061

เลขประจำตัวประชาชน ๑๔๔๐๖๐๐๐๔๑๕๗๔ (แบบ สด. ๙)

ใบสำคัญ

ที่ ๖๑ วันที่ ๒๓ เดือน เมษายน พ.ศ. ๒๕๔๕

ยศและชื่อ นายจักรพันธ์ สีราช	ตำบล หนองแวง
เครื่องหมาย	อำเภอ กิ่งอำเภอกุดรัง
เกิด พ.ศ. ๒๒ กุลาคม ๒๕๒๓	จังหวัด จังหวัดมหาสารคาม
บัณฑิตอายุครบ ๑๗ ปีบริบูรณ์	บิดาชื่อ สัมบูรณ์ สีราช
ตำหนิสำคัญ [illegible]	มารดาชื่อ [illegible] สีราช
ภูมิลำเนาทหาร บ้านหรือบ้านเลขที่ [illegible]	สังกัด
ถนน [illegible]	ประจำจังหวัด ขอนแก่น
ตรอก	
ซอย หมู่ที่ ๗	

ชั้นปี ๒๕๔๖ เข้าบัญชีทหารกองเกิน วันที่ ๑ เดือน มกราคม พ.ศ. ๒๕๔๖

เข้ากองประจำการ วันที่ เดือน พ.ศ. ทะเบียนเล่ม

ปลดเป็นทหารกองหนุนประเภทที่ ๒

ซึ่งอยู่ในชั้นต่างๆ คือ

กองหนุนชั้นที่ ๑	วันที่	เดือน	พ.ศ.
กองหนุนชั้นที่ ๒	วันที่ ๑	เดือน มกราคม	พ.ศ. ๒๕๔๘
กองหนุนชั้นที่ ๓	วันที่ ๑	เดือน มกราคม	พ.ศ. ๒๕๖๘
พันราชการทหาร	วันที่ ๑	เดือน มกราคม	พ.ศ. ๒๕๗๔

ร้อยเอก [signature]
(วิสันต์ ตอเมอร์)
รรก สัสดีอำเภอกุดรัง

นายอำเภอ
ประทับตราประจำตำแหน่ง

คำเตือน

๑. ให้ไปขอรับหมายเรียกเข้ารับราชการทหารใน พ.ศ. ๒๕๔๙ ถ้าไม่สามารถไปรับด้วยตนเองได้ ต้องให้บุคคลซึ่งบรรลุนิติภาวะและพอจะเชื่อถือได้ไปรับหมายเรียกแทนภายในกำหนดนี้

๒. เมื่อย้ายที่อยู่ด้วยประการใดๆ ต้องแจ้งต่อนายอำเภอท้องที่ที่เข้ามาอยู่ภายในสามสิบวัน นับแต่วันที่ย้ายเข้ามาอยู่

๓. เมื่อเปลี่ยนชื่อตัวหรือชื่อสกุล ให้นำหลักฐานที่ได้รับอนุญาตกับใบสำคัญนี้ไปขอแก้ที่อำเภอท้องที่ที่เป็นภูมิลำเนาทหารภายในสามสิบวัน นับแต่วันที่ได้รับอนุญาต

๔. ถ้าใบสำคัญนี้ชำรุดหรือสูญหาย ต้องแจ้งต่อนายอำเภอท้องที่ภายในสามสิบวัน เพื่อขอรับใบสำคัญใหม่

๕. ผู้ซึ่งได้รับการผ่อนผันไม่ต้องเข้ารับราชการทหารกองประจำการ ต้องไปรับหมายเรียกเข้ารับราชการทหารกองประจำการ และเข้ารับการตรวจเลือกทุกปี

๖. ผู้ซึ่งได้รับการผ่อนผันหรือได้รับยกเว้นไม่ต้องเรียกเข้ารับราชการทหารกองประจำการด้วยเหตุต่างๆ เมื่อพ้นจากฐานะเช่นนั้นแล้ว ต้องแจ้งด้วยตนเองต่อนายอำเภอท้องที่ที่ตนอยู่ หรือทำการประจำภายในสามสิบวัน นับแต่วันที่พ้นจากฐานะเช่นนั้น

ผู้ฝ่าฝืนจะมีความผิดตามกฎหมาย



.....

ลายพิมพ์นิ้วแม่มือขวาของผู้ถือใบสำคัญ

.....

ลายมือชื่อของผู้ถือใบสำคัญ

ชื่นครองแบบ ท.ร.๑ ตอน ๑ ๐ ๑

สูติบัตร

สำนักทะเบียน อ.บรบือ

เลขประจำตัวประชาชน 1 4406 0004157 8

๑. เด็กที่เกิด

๑.๑ ชื่อตัว ดช. จักรพันธ์ ชื่อสกุล สีราช

๑.๒ เพศ ชาย ๑ หญิง ๒ อื่นๆ ๓

๑.๓ สัญชาติ ไทย

๑.๔ เกิดเมื่อวันที่ เดือน พ.ศ. 23 ตุลาคม 2528 เวลา 7.00 น. ตรงกับวัน อังคาร ขึ้น 9 ค่ำ แรม ค่ำ เดือน 11 ปี ลูก

๑.๕ สถานที่เกิด โรงบ้าน บ้านเลขที่ หมู่ที่ ซอย ถนน ตำบล แขวง อำเภอ จังหวัด 112 7 เลิงแฝก บรบือ มหาสารคาม

๑.๖ เป็นบุตรลำดับที่ 3

๑.๗ ผู้ทำคลอด ○ คลอดเอง ✓ หมอตำแย ○ แพทย์แผนปัจจุบัน ○ พยาบาล ○ ผดุงครรภ์ ○ อื่นๆ (ระบุ)

๑.๘ น้ำหนักแรกเกิด ..... กรัม

๑.๙ เพิ่มชื่อเข้าทะเบียนบ้านเลขที่ 112 หมู่ที่ 7 ซอย ถนน ตำบล / แขวง อำเภอ / เขต จังหวัด เลิงแฝก บรบือ มหาสารคาม

๑.๑๐ เลขรหัสประจำบ้านที่เพิ่มชื่อเข้า 4406-018875-1

๒. มารดา

๒.๑ ชื่อตัว นาง กิตติ้ ชื่อสกุลก่อนสมรส ทาย

๒.๒ เลขประจำตัวประชาชน 3-4406-00472-66-4

๒.๓ อายุ 26 ปี

๒.๔ สัญชาติ ✓ ไทย ○ อื่นๆ (ระบุ)

๒.๕ เกิดที่จังหวัด มหาสารคาม ประเทศ ไทย

๒.๖ ที่อยู่ บ้านเลขที่ หมู่ที่ ซอย ถนน ตำบล / แขวง อำเภอ / เขต จังหวัด ประเทศ บ้านหนองแวงน้อย 112 7 เลิงแฝก บรบือ มหาสารคาม ไทย

๓. บิดา

๓.๑ ชื่อตัว นาย สมบูรณ์ ชื่อสกุล สีราช

๓.๒ เลขประจำตัวประชาชน 3-4406-00472-76-1

๓.๓ อายุ 26 ปี

๓.๔ สัญชาติ ✓ ไทย ○ อื่นๆ (ระบุ)

๓.๕ เกิดที่จังหวัด / ขอนแก่น ประเทศ ไทย

๓.๖ ที่อยู่ ✓ แห่งเดียวกับมารดา ○ คนละแห่ง บ้านเลขที่ หมู่ที่ ซอย ถนน ตำบล / แขวง อำเภอ / เขต จังหวัด ประเทศ 112 7 เลิงแฝก บรบือ มค ไทย

๔. ผู้แจ้งการเกิด

๔.๑ ชื่อตัว นายสมบูรณ์ ชื่อสกุล สีราช

๔.๒ เลขประจำตัวประชาชน 3-4406-00472-76-1

๔.๓ อายุ 26 ปี

๔.๔ บ้านเลขที่ หมู่ที่ ซอย ถนน ตำบล / แขวง อำเภอ / เขต จังหวัด 112 7 เลิงแฝก บรบือ มหาสารคาม

๔.๕ ความเกี่ยวพันกับเด็ก ✓ เจ้าบ้าน ✓ บิดา ○ ผู้ทำคลอด ○ ญาติ ○ เจ้าพนักงาน ○ มารดา ○ ผู้อื่น (ระบุ)

๔.๖ หนังสือรับรองการเกิด ○ มี ✓ ไม่มี

๔.๗ ใบรับแจ้งการเกิด ✓ มี ○ ไม่มี

๔.๘ ลงชื่อผู้แจ้งการเกิด

ลงชื่อนายทะเบียนผู้รับแจ้งการเกิด

(นางจันทนา จงจันทร์)

ผู้ช่วยนายทะเบียน ต.เลิงแฝก

วันที่ 31 เดือน ตุลาคม พ.ศ. 2528 ที่รับแจ้ง

ระเบียนแสดงผลการเรียนระดับมัธยมศึกษาตอนต้น

รบ. 1 - ต ชุดที่ 8084 เลขที่ สปช 404186 เลขประจำตัว 2030

โรงเรียน บ้านหนองแวง ตำบล หนองแวง กิ่งอำเภอ/เขต กุดรัง จังหวัด มหาสารคาม
ชื่อ จักรพันธ์ สีราช เพศ ชาย เกิดวันที่ 22 ตุลาคม 2528 ศาสนา พุทธ
ชื่อบิดา นายสมบูรณ์ สีราช ชื่อมารดา นางกิต้า สีราช เข้าเรียนภาคที่ 1 ปีการศึกษา 2541
โรงเรียนเดิม บ้านหนองแวง จังหวัด มหาสารคาม ชั้นเรียนสุดท้าย จบ ป.6 หน่วยการเรียนที่เรียน-ได้ -

ผลการเรียนเป็นปี / วิชาที่เรียน	ปีที่ 1 พ.ศ. 2541 รหัสวิชา	หน่วยการเรียน	ผลการเรียน สอบปกติ	แก้ตัว/กรณีพิเศษ	เรียนซ้ำ	ปีที่ 2 พ.ศ. 2542 รหัสวิชา	หน่วยการเรียน	ผลการเรียน สอบปกติ	แก้ตัว/กรณีพิเศษ	เรียนซ้ำ	ปีที่ 3 พ.ศ. 2543 รหัสวิชา	หน่วยการเรียน	ผลการเรียน สอบปกติ	แก้ตัว/กรณีพิเศษ	เรียนซ้ำ	ปีที่ 4 พ.ศ. รหัสวิชา	หน่วยการเรียน	ผลการเรียน สอบปกติ	แก้ตัว/กรณีพิเศษ	เรียนซ้ำ
วิชาบังคับแกน ภาษาไทย	ท 101	2.0	1			ท 203	2.0	2			ท 305	2.0	1							
	ท 102	2.0	1			ท 204	2.0	1			ท 306	2.0	3							
สังคมศึกษา	ส 101	1.0	2			ส 203	1.0	2			ส 305	1.0	2							
	ส 102	1.0	2			ส 204	1.0	2			ส 306	1.0	1							
พลานามัย	พ 101	0.5	1			พ 203	0.5	2			พ 305	0.5	3							
	พ 102	0.5	3			พ 204	0.5	3			พ 306	0.5	4							
ศิลปศึกษา	ศ 101	0.5	2			ศ 203	0.5	1			ศ 305	0.5	3							
	ศ 102	0.5	1			ศ 204	0.5	2			ศ 306	0.5	2							
วิทยาศาสตร์	ว 101	1.5	1			ว 203	1.5	1			ว 305	1.5	ร	1						
	ว 102	1.5	1			ว 204	1.5	1			ว 306	1.5	1							
คณิตศาสตร์	ค 101	1.5	1			ค 203	1.5	1												
	ค 102	1.5	1			ค 204	1.5	1												
รวมหน่วยการเรียนวิชาบังคับแกนที่เรียน - ที่ได้	14.0-14.0					14.0-14.0					11.0-11.0									
วิชาบังคับเลือก	ส 071	1.0	1			ส 043	1.0	2			ส 026	1.0	2							
	ส 072	1.0	2			ส 073	1.0	2			ส 027	1.0	1							
	พ 011	0.5	1			พ 013	0.5	1			พ 015	0.5	3							
	พ 012	0.5	1			พ 014	0.5	1			พ 016	0.5	1							
	พ 021	0.5	3			พ 023	0.5	1			พ 025	0.5	3							
	พ 022	0.5	2			พ 024	0.5	3			พ 026	0.5	4							
	ง 011	1.0	1			ง 013	1.0	4			ง 321	1.0	3							
	ง 012	1.0	1			ง 014	1.0	1			ง 322	1.0	3							
รวมหน่วยการเรียนวิชาบังคับเลือกที่เรียน - ที่ได้	6.0-6.0					6.0-6.0					6.0-6.0									
วิชาเลือกเสรี	อ 011	2.0	1			อ 013	2.0	1			อ 015	2.5	1							
	อ 012	2.0	2			อ 014	2.0	1			อ 016	2.5	1							
	ส 018	1.0	2			ส 0110	1.0	1			ส 0112	1.0	3							
	ส 019	1.0	2			ส 0111	1.0	2			ส 0113	1.0	1							
	ว 011	1.0	2			ว 015	1.0	2			ค 011	2.5	1							
	ว 012	1.0	2			ช 0276	2.0	4			ค 012	2.5	1							
	ช 0211	1.0	1			ช 0245	1.0	2			ช 0161	1.0	3							
	ช 0212	1.0	2								ช 0118	1.0	3							
รวมหน่วยการเรียนวิชาเลือกเสรีที่เรียน - ที่ได้	10.0-10.0					10.0-10.0					13.0-13.0									
รวมหน่วยการเรียนทั้งหมดที่เรียน - ที่ได้	30.0-30.0					30.0-30.0					30.0-30.0									

กิจกรรม

ชื่อ	ผลการประเมิน
ปีที่ 1	
ลูกเสือ	ผ
ภาษาไทย	ผ
ลูกเสือ	ผ
วิทยาศาสตร์	ผ
ปีที่ 2	
ลูกเสือ	ผ
ภาษาไทย	ผ
ลูกเสือ	ผ
หอสมุด	ผ
ปีที่ 3	
ลูกเสือ	ผ
พลานามัย	ผ
ลูกเสือ	ผ
พลานามัย	ผ

หมายเหตุ

สรุปผลการเรียน

รวมหน่วยการเรียนที่เรียน 90.0
รวมหน่วยการเรียนที่ได้ 90.0
วันอนุมัติการจบหลักสูตร 22 มี.ค. 2544
วันออกจากโรงเรียน 22 มี.ค. 2544
เหตุที่ออก จบหลักสูตรมัธยมศึกษาตอนต้น

(นายสำอาง สงค์แซม)
นายทะเบียน

(นายกิตติรัชต์ พรไตร)
ผู้อำนวยการ/อาจารย์ใหญ่/ครูใหญ่
วันที่ 22 เดือน มี.ค. พ.ศ. 2544

