



BONGA NORTH EPC 1

JOB CARD NUMBER: **A02.L1-TI-0012**
WORKPACK NUMBER: A02

JOB CARD INFORMATION

PREPARED BY: Vitor Pereira	DATE OF: 20/06/2025	REV.: 10	STATUS: checked
APPROVED BY: None	DATE OF:		
SUBSYSTEM: 03-03A_BN	DISCIPLINE: TIE-IN	WORKING CODE: TDA	
SYSTEM: 03	LOCATION: A02	SEQUENTIAL NUMBER: 0012	
TAG: TP-01	TOTAL MAN-HOURS: 83.00	TOTAL DURATION (hs): 10.00	

JOB CARD DESCRIPTION: TIE-IN - DISASSEMBLY AND ASSEMBLY OF TP-01

COMMENTS: None

ACTIVITY ID P6: CST-EPC1-6450	HOT-WORK REQUIRED: NO	TOTAL WEIGHT (kg): 0	UNIT: kg
-------------------------------	-----------------------	----------------------	----------

DETAILED DESCRIPTION OF WORK

TASK NUMBER	TASK DESCRIPTION	COMPLETED?	% M/h
12	Perform leak test		40,96%
13	Paint touch up		59,04%

TASK NUMBER	DURATION (hs)	MAN-H
12	5,00	34,00
13	5,00	49,00

ITEM	TASK NUMBER	SPECIALIST	MAN-H	QTY
1	12	Foreman	3,00	1,00
2	12	Welder	5,00	2,00
3	12	Firewatch	4,00	1,00
4	12	Mechanical assembler	5,00	1,00
5	12	Pipe fitter	2,00	4,00
6	12	Rigger_M	4,00	1,00
7	13	Foreman	5,00	1,00
8	13	Welder	4,00	2,00
9	13	Firewatch	5,00	1,00
10	13	Mechanical assembler	5,00	1,00
11	13	Pipe fitter	4,00	4,00
12	13	Rigger_M	5,00	1,00
13	13	Scaffolder	5,00	1,00

ERECTION MATERIALS

ITEM	DESCRIPTION	P.MTO CODE	QTY	COMMENTS
1	STUD BOLT WITH 2 HEAVY HEXAGONAL NUTS, BOLT MATERIAL ASTM A193 Gr B7, NUTS MATERIAL HEX HEAVY ASTM A194 Gr 2H; BOLT THREAD TYPE, - 1 - ASME B1.1, UNC 2A; 1 ? - 3 - ASME B1.1, UN 2A - 8 thd/in; NUT THREAD TYPE, - 1 - ASME B1.1, UNC 2B; 1 ? - 3 - ASME B1.1, UN 2B - 8 thd/in; COATING ZINC PLATED PER ASTM B633 (ASME B16.5), S02 (0.0003 PLATING THICKNESS), TYPE II (WITH A SUPPLEMENTARY YELLOW CHROMATE TREATMENT).	N/A	40,00	TAM 2026
2	STUD BOLT WITH 2 HEAVY HEXAGONAL NUTS, BOLT MATERIAL ASTM A193 Gr B7, NUTS MATERIAL HEX HEAVY ASTM A194 Gr 2H; BOLT THREAD TYPE, - 1 - ASME B1.1, UNC 2A; 1 ? - 3 - ASME B1.1, UN 2A - 8 thd/in; NUT THREAD TYPE, - 1 - ASME B1.1, UNC 2B; 1 ? - 3 - ASME B1.1, UN 2B - 8 thd/in; COATING ZINC PLATED PER ASTM B633 (ASME B16.5), S02 (0.0003 PLATING THICKNESS), TYPE II (WITH A SUPPLEMENTARY YELLOW CHROMATE TREATMENT).	N/A	20,00	TAM 2026
3	GASKET, SPIRAL WOUND NON-ASBESTOS FLEXITE SUPER FILLER WITH STAINLESS STEEL AISI 304 WINDINGS, FLEXITALLIC STYLE CG OR SDDS APPROVED EQ ASME B16.20, RF CLASS 600, THK 3.2 mm; ASME B16.20 FOR FLANGE ASME B16.5. THE MATERIAL SHALL BE THE REQUIREMENTS OF THE NACE MR-01-75 / ISO 15156 STANDARD.	PZGAY.160.00002	2,00	TAM 2026
4	KaMOS GASKET RF CL. 600.	K6CS-CL600RF.16	2,00	TAM 2026
5	PADDLE BLANK AND SPACER; ASTM A516 GR. 70; CARBON STEEL; ASME B16.48 STANDARD; CLASS 600; BETWEEN FLANGES, ASME B16.5, RAISED FACE, FINISHING SPIRAL SERRATED, MINI 125 TO MAX 250 AARH; THE MATERIAL SHALL BE COMPLIANT WITH THE NACE MR-01-75 / ISO 15156 STANDARD REQUIREMENTS.	N/A	1,00	TAM 2026
6	Trunion Pipe supports and base plate Plate 15mm Thk. S355 (0.5m x 0.5m) Pipe 8 Sch.80 ASTM A 106 GR B SMLS (1.5mtr length)	N/A	1,00	TAM 2026
7	PIPE, CARBON STEEL, DIMENSIONS ACCORDING ASME B36.10, MATERIAL ASTM A333 GR.6 - SEAMLESS, BEVELLED ENDS ASME B16.25, ACCORDING NACE MR0175.	PAPAA.100.00895	1,30	TAM 2026
8	FLANGE, WN, RF, CL600, ASME B16.5 ASTM A105, NACE MR-01-75 SCH 100	PAAAA.160.00086E	2,00	TAM 2026
9	FLANGE BLIND, RF, CL600 ASME B16.5 ASTM A 105 NACE MR-01-75 SCH 100	PAAAA.160.00086E	1,00	TAM 2026
10	FLANGE, WN, RF, CL600, ASME B16.5 ASTM A105, NACE MR-01-75 SCH 100	PAAAA.140.00086	2,00	TAM 2026
11	FLANGE BLIND, RAISED FACE, CLASS 600 ASME B16.5, CARBON STEEL ASTM A105, NACE MR-01-75/ISO15156 (1) Controlled Hardness per NACE MR-0175, SCH 100.	N/A	2,00	TAM 2026
12	REDUCING TEE, SMLS, ASTM A420 GR WPL6, BUTT WELD, ASME B16.9, NACE MR-01-75/ISO15156	PAFTF.160.05003	2,00	TAM 2026
13	300 STUDBOLT WITH NUTS, ASTM A193-B7/A194-2H WITH HOT-DIP GALVANISED	300_BOLT_OPT21'1	20,00	TAM 2026

EQUIPMENT & SPECIAL TOOLING

ITEM	SPECIAL TOOLING	QTY
1	10 LOCKING PLIERS	1,00
2	8 INSULATED UNIVERSAL PLIERS	1,00
3	12 ADJUSTABLE HACKSAW	1,00
4	WOODEN FILE HANDLE	1,00
5	ALLEN WRENCH 1/16, 3/32, 1/8, 3/16, 1/4	1,00
6	SCREWDRIVER 3/16 x 4, 1/4 x 6, 1/4 x 8, 5/16 x 10	1,00
7	OPEN-END WRENCH 1/4 x 5/16, 3/8 x 7/16, 1/2 x 9/16, 1/4 x 25/32, 1 x 5/16	1,00
8	12 ADJUSTABLE WRENCH	1,00
9	10 HALF-MOON COMPASS	1,00
10	300 mm STAINLESS STEEL RULER	1,00
11	STEEL BRUSH	1,00
12	CARPENTER'S SQUARE	1,00

EQUIPMENT & SPECIAL TOOLING

ITEM	SPECIAL TOOLING	QTY
1	12 FLAT, ROUND, HALF-ROUND, AND SQUARE FILES	1,00
2	HYDRAULIC JACK, 5 TON	1,00
3	BALL-PEEN HAMMER 500 g, 1000 g	1,00
4	IRON LEVEL	1,00
5	300 g CENTER PLUMB	1,00
6	PUNCH	1,00
7	SCRIBER	1,00
8	MANUAL HOIST, 1 TON	1,00
9	CHISEL	1,00
10	TIRFOR, 1.6 TON	1,00
11	BOMBA DE TESTE HIDROST.	1,00
12	LIXADEIRA	1,00
13	TALHA MANUAL, 1 TON	1,00

SAFETY - CONDITIONS & RECOMMENDATIONS

<input type="checkbox"/> PPE E GENERAL	<input type="checkbox"/> COLD WORK PERMIT	<input type="checkbox"/> FIRE EXTINGUISHER	<input type="checkbox"/> FALL PROTECTION	<input type="checkbox"/> MARINE SAFETY
<input type="checkbox"/> BLIND ISOLATION SYSTEM	<input type="checkbox"/> HOT WORK PERMIT	<input type="checkbox"/> FIRE WATCH	<input type="checkbox"/> SPARK PROTECTION	<input type="checkbox"/> SEVERE WEATHER PREP
<input type="checkbox"/> JOB SAFETY ANALYSIS	<input type="checkbox"/> BARRICADES	<input type="checkbox"/> DIVER SAFETY	<input type="checkbox"/> SIMULTANEOUSLY DRILL	<input type="checkbox"/> ENVIRONMENTAL PROTECTION
<input type="checkbox"/> GAS LEAK PROTECTION	<input type="checkbox"/> LIFTING PLAN	<input type="checkbox"/> HAZARDOUS MATERIAL	<input type="checkbox"/> WEATHER PROTECTION REQUIRED	<input type="checkbox"/> PPE SPECIAL

OTHER/COMMENTS:

JobCard N°: A02.L1-TI-0012	QC INSPECTOR	SNEPCo	MABU
	SIGNATURE	SIGNATURE	SIGNATURE
	NAME	NAME	NAME
	DATE	DATE	DATE



BONGA NORTH EPC 1

JOB CARD NUMBER: **A02.L1-TI-0012**
WORKPACK NUMBER: A02

QUALITY CONTROL AND INSPECTION

CQ FORMS:

ENGINEERING DOCUMENTS

Discipline	Document	Tag	Rev.	Status
TIE-IN	BNO-NET CO-300-PX-2365-21014-001	TP-01	02A	None
TIE-IN	BNO-NET CO-300-PX-2365-21024-001	TP-01	02A	None

COMPANY COMMENTS

JobCard N°: A02.L1-TI-0012



QC INSPECTOR

SNEPCo

MABU

SIGNATURE

SIGNATURE

SIGNATURE

NAME

NAME

NAME

DATE

DATE

DATE