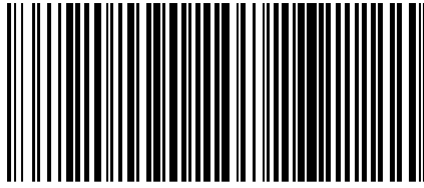




BONGA NORTH EPC 1

JOB CARD NUMBER:
WORKPACK NUMBER: A02

JOB CARD INFORMATION		CQ INSPECTOR CERTIFICATION COMPANY MABU	
PREPARED BY: Vitor Pereira	DATE OF: 20/06/2025	REV.:	STATUS: None
APPROVED BY: None	DATE OF:		
SUBSYSTEM: 03-03B_BN		WORKING CODE: TDA	
SYSTEM: 03		EQUENTIAL NUMBER:	
TAG: TP-02		ATERIAL:	
JOB CARD DESCRIPTION:			
COMMENT S: None			
ACTIVITY ID P6: CST-EPC1-6430	HOT-	TOTAL DURATION (hs):	
DETAILED DESCRIPTION OF WORK			
ORDER		COMPLETED?	% Mh
1	Install full device for rigging of the spool/valve		25.0%
2	Unbolt flange joint at existing spool/valve		25.0%
3	Cut and bevel existing piping		25.0%
4	Weld the tie in flanges		25.0%



A02.L1-TI-0001

JobCard Number: A02.L1-TI-0001

TASK NUMBER	DURATION (hs)	HOURS	ITEM	TASK NUMBER	SPECIALIST	MAN-H	QTY
1	1,00	10,00	1	1	Foreman	1,00	1,00
2	1,00	10,00	2	1	Welder	1,00	2,00
3	1,00	10,00	3	1	Firewatch	1,00	1,00
4	1,00	10,00	4	1	Mechanical assembler	1,00	1,00
			5	1	Pipe fitter	1,00	4,00
			6	1	Rigger_M	1,00	1,00
			7	2	Foreman	1,00	1,00
			8	2	Welder	1,00	2,00
			9	2	Firewatch	1,00	1,00
			10	2	Mechanical assembler	1,00	1,00
			11	2	Pipe fitter	1,00	4,00
			12	2	Rigger_M	1,00	1,00
			13	3	Foreman	1,00	1,00
			14	3	Welder	1,00	2,00
			15	3	Firewatch	1,00	1,00
			16	3	Mechanical assembler	1,00	1,00
			17	3	Pipe fitter	1,00	4,00
			18	3	Rigger_M	1,00	1,00
			19	4	Foreman	1,00	1,00
			20	4	Welder	1,00	2,00
			21	4	Firewatch	1,00	1,00
			22	4	Mechanical assembler	1,00	1,00
			23	4	Pipe fitter	1,00	4,00
			24	4	Rigger_M	1,00	1,00

ITEM	DESCRIPTION	PMTO CODE	QTY	COMMENTS
1	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	1,00	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 7 - 3 - ASME B1.1, UN 2A - 8 thd/in; NUT THREAD TYPE - 1 - ASME B1.1, UNC 2B; 1 7 - 3 - ASME B1.1, UN 2B - 8 thd/in; COATING ZINC PLATED PER ASTM B633 (ASME B16.5), SC2 (0.0003 PLATING THICKNESS), TYPE II (WITH A SUPPLEMENTARY YELLOW CHROMATE TREATMENT).	N/A	20,00	TAM 2026
3	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 7 - 3 - ASME B1.1, UN 2A - 8 thd/in; NUT THREAD TYPE - 1 - ASME B1.1, UNC 2B; 1 7 - 3 - ASME B1.1, UN 2B - 8 thd/in; COATING ZINC PLATED PER ASTM B633 (ASME B16.5), SC2 (0.0003 PLATING THICKNESS), TYPE II (WITH A SUPPLEMENTARY YELLOW CHROMATE TREATMENT).	N/A	20,00	TAM 2026
4	GASKET, SPIRAL WOUND NON-ASBESTOS FLEXITE SUPER FILLER WITH STAINLESS STEEL AISI 304 WINDINGS, FLEXITALLIC STYLE CG OR SDOs 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.	N/A	1,00	TAM 2026
5	KaMOS GASKET RF CL. 600.	K6CS-CL600RF.14	2,00	TAM 2026
6	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
7	VALVE BALL ACTUATED 03-HV-341 FLANGED RF REFER TO INSTRUMENT DATA SHEET 03 HV 392	N/A	1,00	TAM 2026







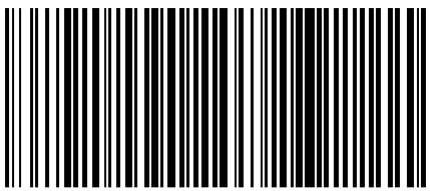
ITEM	SPECIAL TOOLING	DIRECT LABOR QTY	QTY
1	10 LOCKING PLIERS	1,00	1,00
2	8 INSULATED UNIVERSAL PLIERS	1,00	1,00
3	12 ADJUSTABLE HACKSAW	1,00	1,00
4	WOODEN FILE HANDLE	1,00	1,00
5	ALLEN WRENCH 1/16, 3/32, 1/8, 3/16, 1/4	1,00	1,00
6	SCREWDRIVER 3/16 x 4, 1/4 x 6, 1/4 x 8, 5/16 x 10	1,00	1,00
7	OPEN-END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

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

QUALITY CONTROL AND INSPECTION
CQ FORMS:

ENGINEERING DOCUMENTS					
					
BONGA NORTH EPC			Tag	Rev.	JOB CARD NUMBER
			TP-02	02A	WORKPACK NUMBER: A02
			TP-02	02A	None
COMPANY COMMENTS					
COINSPECTOR CERTIFICATION COMPANY / MARU					
<div> A02.L1-TI-0001 JobCard Number: A02.L1-TI-0001</div>					