

**REQUEST FOR EXPRESSION OF INTEREST FOR THE PROVISION OF FITTINGS (AUSTENITIC STAINLESS STEEL)
FOR AGI PIPING**

REFERENCE NO.: CPP-PROC-TZ-006-0206-02

China Petroleum Pipeline Engineering Co., Ltd. (hereinafter abbreviated as CPP) as Pipeline, Feederline & Above Ground Installation Contractor for the East African Crude Oil Pipeline (EACOP) Project invites experienced and reputable Contractors to express their interest in supplying kinds of equipment/materials for EACOP Project.

The EACOP Project involves the development, construction, operation and maintenance of a crude oil export pipeline that originates in Kabaale, Uganda and delivers oil for marine export on the East African coast in the Tanga area in Tanzania.

BRIEF DESCRIPTION OF THE SCOPE:

♦ **Supply of FITTINGS (AUSTENITIC STAINLESS STEEL) for AGI PIPING.**

MINIMUM REQUIREMENTS:

Companies expressing their interest are invited to document their request with:

1. **Proof of License/Registration Information and Profile of Supplier, including license and TIN certificate.**

2. **Proof of registration/application to Local Supplier Service Provider (LSSP) database at the time of submission of the response to this expression of interest is strongly recommended.**
3. **Fully filled Questionnaire, Key personnel list with CV(Appendix1)and Equipment list of production and inspection(Appendix2) in requested format. (Blank regards as unqualified item.)**
4. **Similar supplying experience within last three years(Appendix3) in requested format.**
5. **Compliance with Petroleum (Local Content) Regulations, 2017 and Local company definition for Tanzania.**
6. **Copy of certificates of ISO 9001, ISO 45001, ISO 14001 or equivalent of them.**
7. **Tax Clearance Certificate for the last three years and Audit report for the last three years.**
8. **The supplier must be manufacturer, Manufacturer's Commitment Letter shall be provided.**
9. **Technical requirements shall meet NO.02-FITTINGS (AUSTENITIC STAINLESS STEEL) for AGI PIPING.**

Interested companies which meet the minimum requirements and have the capacity to provide the WORK (GOODS/SERVICES) listed above should express their interest by sending together with the above listed documents an email to supplierdata1@cpptz.com (Max. Email Size: 20 MBs, Wettransfer link is available for huge size documents. & All documents must be submitted in the English language) on or before **24:00** hours East African Time (EAT), on **DATE(6/2/2023)**. Subject of the email should be **"EOI for CPP-PROC-TZ-006-0206-02 COMPANY NAME"**. CPP reserves the right not to consider companies that submit an incorrect email subject and the incorrect format of Questionnaire, Appendix 1, 2 and 3.

The format of the required documents and relevant technical requirements(NO.02-FITTINGS (AUSTENITIC STAINLESS STEEL) for AGI PIPING for AGI piping) which are mentioned in Minimum Requirements should be downloaded from EACOP's website (<https://eacop.com/opportunities-by-main-construction-contractors/china-petroleum-pipeline-engineering-co-ltd/>).

Companies satisfactorily meeting the above minimum requirements will receive, subject to the signature of a Non-Disclosure Agreement (NDA), a detailed pre-qualification questionnaire for further evaluation by Company.

CPP reserves the right not to consider companies that submit an incomplete dossier.

Note 1: Only pre-qualified companies will receive an invitation to submit their bid in furtherance of the Call for Tender process.

Questionnaire for the Pre-qualification of Procurement-AGI PPL

NOTE: Please provide documents named by serial number according to each item.

CPP reserves the right not to consider companies that submit Questionnaire filled by hand.

Item No.	Category / Question	
0	NC/LC REQUIREMENTS	
0.1	General Requirements	
0.1.1	Is the Applicant fully aware of the local climatic and working conditions of country and the local applicable laws to carry out the project? (Yes or No)	
0.1.2	Applicant to confirm that the full Scope of the Project can be performed. (Yes or No)	
0.2	National Content Requirements for Uganda (Applicable for Uganda)	
0.2.1	Proof of business registration and business license for Uganda.	
0.2.2	Proof of registration with the PAU National Supplier Database (NSD) for Uganda.	
0.2.3	Compliance with the Petroleum Midstream National Content Regulation # 34,2016 for Uganda.	
0.3	Local Content Requirements for Tanzania (Applicable for Tanzania)	
0.3.1	Proof of business registration and business license for Tanzania.	
0.3.2	Proof of registration/application to EWURA Local Supplier Service Provider (LSSP) database.	
0.3.3	Compliance with Petroleum (Local Content) Regulations, 2017 and Local content requirements for Tanzania.	
1	GENERAL INFORMATION	
1.1	Company Data	
1.1.1	Name of Applicant	
1.1.2	Introduction of Applicant (establishing time,Copies of government issued IDs for all shareholders,main business scope,etc.)	
1.1.3	Applicant address	
1.1.4	Applicant phone number	
1.1.5	Applicant email address	
1.1.6	Applicant Website	

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Item No.	Category / Question	
1.1.7	* Manufacturer's Commitment Letter The supplier must be manufacturer.	
1.2	Authorized contact person and contact details	
1.2.1	Name of authorized contact person	
1.2.2	Contact person's business address - phone number	
1.2.3	Contact person's business address - mobile phone number	
1.2.4	Contact person's business address - email address	
1.3	Organization Chart	
1.3.1	Applicant is requested to attach its organization chart.	
1.4	Language	
1.4.1	English shall be used as the Project language for all documents and correspondence - applicant to confirm	
2	FINANCIAL ASPECTS	
2.1	Bank information	
2.1.1	Name of Applicant's principal bank	
2.1.2	Address of Applicant's principal bank - street and number	
2.1.3	Address of Applicant's principal bank - post code and city	
2.1.4	Address of Applicant's principal bank - country (and state)	
2.2	* Registration with the Tax Revenue Authority	
2.2.1	Registration with the Uganda Tax Revenue Authority, including TIN Certificate.(Applicable for Uganda)	
2.2.2	Registration with the Tanzania Tax Revenue Authority, including TIN Certificate.(Applicable for Tanzania)	
2.3	* Proof of Tax Clearance Certificate	
2.3.1	Proof of Uganda Tax Clearance Certificate for the latest 3 years available.(Applicable for Uganda)	

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NOTE: Please provide documents named by serial number according to each item.

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Item No.	Category / Question	
2.3.2	Proof of Tanzania Tax Clearance Certificate for the latest 3 years available. (Applicable for Tanzania)	
2.4	Audited financial statements	
2.4.1	Applicant 's financial performance documents, Audited Balance sheets and Profit and Loss statements, Auditors Report and Notes to Accounts etc. for last 3 (three) years. Latest financial statement should not be older than 18 months on the date of submission of response to this Expression of Interest.	
2.5	Line of credit	
2.5.1	The line of credit shall not be less than USD 5 million, and the bid bond and performance bond shall only be issued by internationally renowned banks. (Yes or No)	
3	LITIGATION HISTORY, RISK ASSESSMENT AND ELIGIBILITY	
3.1	Litigation or arbitration history	
3.1.1	Provide information on any history of litigation or arbitration resulting from orders executed in the last (5) years or currently under execution, especially with CPP. (Yes or No)	
3.2	Eligibility	
3.2.1	Does Applicant appear on World Bank's common List of Ineligible Entities available under the following link http://www.worldbank.org/debarr or is Applicant subject to any sanction from World Bank and from UN? This must be similarly affirmed if the Applicant is an Affiliate or otherwise directly or indirectly controlled by such an ineligible entity. (Yes or No)	
4	QA/QC, HSE, CERTIFICATES, KEY PERSONNEL	
4.1	Please provide Applicant's ISO 9001:2015 Certificate.	
4.2	Please provide Applicant's ISO 45001:2018 Certificate (or equivalent).	
4.3	Please provide Applicant's ISO 14001:2015 Certificate (or equivalent).	
4.4	Please provide QA/QC manuals.	

Questionnaire for the Pre-qualification of Procurement-AGI PPL

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Item No.	Category / Question	
4.5	Any other technical Certificates (API, etc.).	
4.6	Please provide key personnel list, Format refer to Appendix 1.	
4.6.1	Please provide QA Manager's CV	
4.6.2	Please provide QC Inspector's CV	
4.6.3	Please provide Production Manager's CV	
5	FABRICATION AND DESIGN	
5.1	Range of products for oil and gas industry the applicant produces. (Yes or No)	
5.2	Please give details of your manufacturing and design/engineering facilities (size, area, number, etc.).	
5.3	Do you have in house design facilities? (Yes or No)	
5.4	Please provide details of the assembly yard/facilities you would use for the various parts of the project.	
5.5	Please provide the equipment list of production and inspection, Format refer to Appendix 2.	
5.6	*Technical requirements shall meet our relevant technical requirements documents attached. (Yes or No)	
6	PROJECT SPECIFIC OUTPUT, CAPACITY, ABILITY	
6.1	Please specify estimated average capacity per month for manufacturing and delivery of the product.	
6.2	What is the available capacity (i.e. not yet booked) of the Applicant for the product in Year 2023?	
6.3	According to your present workload what is the approximate time period (in weeks) for the first dispatch after purchase order award (on EXW basis)?	
7	EXPERIENCE RECORD AND REFERENCES	
7.1	Please provide similar experience within last three years, Format refer to Appendix 3.	
7.2	Please provide scanned CONTRACT for completed project or LETTER of AWARD for ongoing projects, completion certificate (if any), appreciation letters (if any) etc.	
7.3	Please confirm whether there have been any product quality incidents in the past 5 years. (Yes or No)	
8	RAW MATERIALS	

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NOTE: Please provide documents named by serial number according to each item.

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Item No.	Category / Question	
8.1	Please list the Sub-suppliers of raw materials (Company Name, Country).	
9	SPARE PARTS AND MAINTENANCE	
9.1	Supply list of recommend spare part for the product. (If applicable)	
10	DIVERSE DATA	
10.1	Please confirm that you will provide on-site Services such as provision of re-assembly, supervision of site acceptance, assistance during quality warranty period. (If applicable, Yes or No)	

APPENDIX 1 List of the Key Personnel

No.	Title	Name	Years of Experience	Qualification Certificates		Location	Notes
				Name of the Certificate	Certificate No.		

Notes: pls attach the CV & scanned copies of certificates etc.

APPENDIX 2 List of Main Equipment

No.	Name of Main Equipment	Brand & Model	Qty.	Status of Equipment	Self-owned (Y/N)	Location of Equipment	Date of Production	Notes

Notes: This format includes equipment of production and inspection, pls attach photos and self-owned certificate etc.

APPENDIX 3 List of Similar Supplying Experience in Oil and Gas Field

Client	Contact Information of Client (Email/Phone number)	Location	Years	Name of the Project	Scope of Supply	Status of the Project (Completed / Ongoing)	Bidder's Contract Value	Notes

Notes:

- 1. Please attach following documents: scanned CONTRACT for completed project or LETTER of AWARD for ongoing projects, completion certificate (if any), appreciation letters (if any) etc.
- 2. The information of the PROJECT mentioned above may be confirmed by CPP with the assistance of EACOP COMPANY.

SR.NO	LINE NO.	PIPE CLASS	SHORT CODE	COMMODITY CODE	SIZE1 (in)	SIZE2 (in)	DESCRIPTION	QTY	UNIT OF MEASURE	SUPPLY SCOPE	REMARKS
1	PS5-25-2"-ATM-0006-B49HE	B49	ELBO	P4LSERSMBE40S01	2"		45 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	LINE SIZE ON HOLD
2	PS5-25-1"-LO-0001-B49HE	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
3	PS5-25-2"-BI-0001-H50	H50	ELBO	P9LSXRSMBE80S01	2"		90 LR ELBOW , BE , SCH 80S , B16.9904L SS A403-WP904L-S , SMLS	3	Nos.	CONTRACT OR	
4	PS5-25-2"-BI-0001-H50	H50	TEE	PTESXRSMBE80S01	2"	2"	TEE , BE , SCH 80S , B16.9904L SS A403-WP904L-S , SMLS	1	Nos.	CONTRACT OR	
5	PS5-25-2"-CI-0001-G50	G50	ELBO	P9LSXRSMBE80S01	2"		90 LR ELBOW , BE , SCH 80S , B16.9904L SS A403-WP904L-S , SMLS	3	Nos.	CONTRACT OR	
6	PS5-25-2"-CI-0001-G50	G50	TEE	PTESXRSMBE80S01	2"	2"	TEE , BE , SCH 80S , B16.9904L SS A403-WP904L-S , SMLS	1	Nos.	CONTRACT OR	
7	PS5-75-2"-DR-0001-H50	H50	ELBO	P4LSXRSMBE80S01	2"		45 LR ELBOW , BE , SCH 80S , B16.9904L SS A403-WP904L-S , SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
8	PS5-75-2"-DR-0001-H50	H50	ELBO	P9LSXRSMBE80S01	2"		90 LR ELBOW , BE , SCH 80S , B16.9904L SS A403-WP904L-S , SMLS	12	Nos.	CONTRACT OR	
9	PS5-75-2"-DR-0001-H50	H50	TEE	PTESXRSMBE80S01	2"	2"	TEE , BE , SCH 80S , B16.9904L SS A403-WP904L-S , SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
10	PS5-28-2"-HL-0029-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
11	PS5-28-2"-HL-0028-B49HE	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	
12	PS5-28-2"-BI-0002-B50	B50	ELBO	P9LSXRSMBE80S01	2"		90 LR ELBOW , BE , SCH 80S , B16.9904L SS A403-WP904L-S , SMLS	4	Nos.	CONTRACT OR	
13	PS5-28-2"-HL-0008-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	

14	PS5-28-2"-HL-0007-B49HE	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	4	Nos.	CONTRACT OR	
15	PS5-28-2"-HL-0004-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	
16	PS5-28-2"-BI-0001-B50	B50	ELBO	P9LSXRSMBE80S01	2"		90 LR ELBOW , BE , SCH 80S , B16.9904L SS A403-WP904L-S , SMLS	4	Nos.	CONTRACT OR	
17	PS5-28-2"-BI-0001-B50	B50	TEE	PRTSXRSMBE80S01	2"	1"	RED.TEE , BE , SCH80S x SCH80S , B16.9904L SS A403-WP904L-S , SMLS	1	Nos.	CONTRACT OR	
18	PS5-28-2"-HL-0012-B49HE	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	4	Nos.	CONTRACT OR	
19	PS5-53-2"-UW-0019-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
20	PS5-53-2"-UW-0019-B49	B49	TEE	PTESERSMBE40S01	2"	2"	TEE , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
21	PS5-53-2"-DW-0019-B49	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	
22	PS5-53-2"-DW-0019-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SPEC ON HOLD
23	PS5-53-2"-DW-0019-B49	B49	REDU	PRCSERSMBEDBB01	2"	1"	CONC REDUCER , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
24	PS5-53-2"-DW-0028-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	
25	PS5-53-2"-DW-0028-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
26	PS5-53-2"-DW-0028-B49	B49	TEE	PTESERSMBE40S01	2"	2"	TEE , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
27	PS5-53-3"-UW-0014-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	6	Nos.	CONTRACT OR	

28	PS5-53-3"-UW-0014-B49	B49	OLET	PLGSE415DBBR2MN	3"	1"	FLGD PIPET, CL150 SCH40S X SCH80S, RF, B16.5, HDR/BRN, 150MM, MFR STD, B31.3316/316L SS A182-F316/F316L	1	Nos.	CONTRACT OR	
29	PS5-53-3"-UW-0014-B49	B49	TEE	PTESERSMBE40S01	3"	3"	TEE, BE, SCH 40S, B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	
30	PS5-53-2"-UW-0013-B49	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW, BE, SCH 80S, B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
31	PS5-53-2"-UW-0013-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW, BE, SCH 40S, B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
32	PS5-53-2"-UW-0013-B49	B49	REDU	PRESERSMBEDBB01	2"	1"	ECC REDUCER, BE, SCH40S x SCH80S, B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
33	PS5-53-2"-DW-0018-B49	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW, BE, SCH 80S, B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	
34	PS5-53-2"-DW-0018-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW, BE, SCH 40S, B16.9316/316L SS A403-WP316/316L-S, SMLS	4	Nos.	CONTRACT OR	
35	PS5-53-2"-DW-0018-B49	B49	REDU	PRCSERSMBEDBB01	2"	1"	CONC REDUCER, BE, SCH40S x SCH80S, B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
36	PS5-53-2"-DW-0024-B49	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW, BE, SCH 80S, B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	
37	PS5-53-2"-DW-0024-B49	B49	REDU	PRCSERSMBEDBB01	2"	1"	CONC REDUCER, BE, SCH40S x SCH80S, B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
38	PS5-53-2"-DW-0020-B49	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW, BE, SCH 80S, B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	
39	PS5-53-2"-DW-0020-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW, BE, SCH 40S, B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SPEC ON HOLD
40	PS5-53-2"-DW-0020-B49	B49	REDU	PRCSERSMBEDBB01	2"	1"	CONC REDUCER, BE, SCH40S x SCH80S, B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
41	PS5-53-2"-DW-0025-B49	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW, BE, SCH 80S, B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	

42	PS5-53-2"-DW-0025-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	SPEC ON HOLD
43	PS5-53-2"-DW-0025-B49	B49	REDU	PRCSERSMBEDBB01	2"	1"	CONC REDUCER , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
44	PS5-53-2"-DW-0015-B49	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	SPEC ON HOLD
45	PS5-53-2"-DW-0015-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SPEC ON HOLD
46	PS5-53-2"-DW-0015-B49	B49	REDU	PRCSERSMBEDBB01	2"	1"	CONC REDUCER , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SPEC ON HOLD
47	PS5-53-2"-DW-0027-B49	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	
48	PS5-53-2"-DW-0027-B49	B49	REDU	PRCSERSMBEDBB01	2"	1"	CONC REDUCER , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
49	PS5-53-3"-UW-0010-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	
50	PS5-53-3"-UW-0007-B49	B49	OLET	PLGSE415DBBR2MN	3"	1"	FLGD PIPET, CL150 SCH40S X SCH80S, RF, B16.5 , HDR/BRN , 150MM , MFR STD, B31.3316/316L SS A182-F316/F316L	1	Nos.	CONTRACT OR	
51	PS5-53-4"-UW-0012-B49	B49	ELBO	P9LSERSMBE40S01	4"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	4	Nos.	CONTRACT OR	
52	PS5-53-2"-UW-0001-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	10.00	Nos.	CONTRACT OR	
53	PS5-53-2"-UW-0001-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
54	PS5-53-2"-UW-0001-B49	B49	TEE	PTESERSMBE40S01	2"	2"	TEE , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
55	PS5-53-3"-UW-0005-B49	B49	OLET	PLGSE415DBBR2MN	3"	1"	FLGD PIPET, CL150 SCH40S X SCH80S, RF, B16.5 , HDR/BRN , 150MM , MFR STD, B31.3316/316L SS A182-F316/F316L	1	Nos.	CONTRACT OR	

56	PS5-53-3"-UW-0008-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	7	Nos.	CONTRACT OR	
57	PS5-53-3"-UW-0008-B49	B49	OLET	PLGSE415DBBR2MN	3"	1"	FLGD PIPET, CL150 SCH40S X SCH80S, RF, B16.5 , HDR/BRN , 150MM , MFR STD, B31.3316/316L SS A182-F316/F316L	1	Nos.	CONTRACT OR	
58	PS5-53-3"-UW-0008-B49	B49	TEE	PRTSERSMBE40S01	3"	2"	RED.TEE , BE , SCH40S x SCH40S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
59	PS5-53-3"-UW-0006-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	10	Nos.	CONTRACT OR	
60	PS5-53-3"-UW-0006-B49	B49	OLET	PLGSE415DBBR2MN	3"	1"	FLGD PIPET, CL150 SCH40S X SCH80S, RF, B16.5 , HDR/BRN , 150MM , MFR STD, B31.3316/316L SS A182-F316/F316L	1	Nos.	CONTRACT OR	
61	PS5-53-3"-UW-0006-B49	B49	REDU	PRESERSMBE40S01	3"	2"	ECC REDUCER , BE , SCH40S x SCH40S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
62	PS5-53-3"-UW-0006-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
63	PS5-53-3"-UW-0006-B49	B49	TEE	PRTSERSMBE40S01	3"	2"	RED.TEE , BE , SCH40S x SCH40S , B16.9316/316L SS A403- WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	
64	PS5-53-3"-UW-0006-B49	B49	TEE	PTESERSMBE40S01	3"	3"	TEE , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1.00	Nos.	CONTRACT OR	
65	PS5-53-2"-UW-0015-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	5	Nos.	CONTRACT OR	
66	PS5-53-2"-UW-0015-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1.00	Nos.	CONTRACT OR	
67	PS5-53-2"-DW-0023-B49H	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	
68	PS5-53-2"-DW-0023-B49H	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	SPEC ON HOLD
69	PS5-53-2"-DW-0023-B49H	B49	REDU	PRCSERSMBEDBB01	2"	1"	CONC REDUCER , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	

70	PS5-53-3"-DW-0012-B49	B49	ELBO	P4LSERSMBE40S01	3"		45 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	4	Nos.	CONTRACT OR	SIZE ON HOLD
71	PS5-53-3"-DW-0012-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	28	Nos.	CONTRACT OR	SIZE ON HOLD
72	PS5-53-3"-DW-0012-B49	B49	REDU	PRCSERSMBE40S01	3"	2"	CONC REDUCER , BE , SCH40S x SCH40S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
73	PS5-53-3"-DW-0012-B49	B49	TEE	PRTSERSMBE40S01	3"	2"	RED.TEE , BE , SCH40S x SCH40S , B16.9316/316L SS A403- WP316/316L-S, SMLS	9	Nos.	CONTRACT OR	
74	PS5-53-3"-DW-0012-B49	B49	TEE	PTESERSMBE40S01	3"	3"	TEE , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
75	PS5-53-2"-DW-0022-B49	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
76	PS5-53-2"-DW-0022-B49	B49	REDU	PRESERSMBEDBB01	2"	1"	ECC REDUCER , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
77	PS5-50-3"-UW-0001-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	10	Nos.	CONTRACT OR	SIZE ON HOLD
78	PS5-50-3"-UW-0001-B49	B49	OLET	PLGSE415DBBR2MN	3"	1"	FLGD PIPET, CL150 SCH40S X SCH80S, RF, B16.5 , HDR/BRN , 150MM , MFR STD, B31.3316/316L SS A182-F316/F316L	1	Nos.	CONTRACT OR	SIZE ON HOLD
79	PS5-50-3"-UW-0001-B49	B49	TEE	PRTSERSMBE40S01	3"	2"	RED.TEE , BE , SCH40S x SCH40S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
80	PS5-50-3"-UW-0001-B49	B49	TEE	PTESERSMBE40S01	3"	3"	TEE , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SIZE ON HOLD
81	PS5-53-12"-UW-0003-B49	B49	ELBO	P4LSEUWXBE10S01	8"		45 LR ELBOW , BE , SCH 10S , B16.9316/316L SS A403-WP316/316L-WX , WLD 100% X-RAY	1	Nos.	CONTRACT OR	
82	PS5-53-12"-UW-0003-B49	B49	ELBO	P9LSEUWXBE10S01	8"		90 LR ELBOW , BE , SCH 10S , B16.9316/316L SS A403-WP316/316L-WX , WLD 100% X-RAY	1	Nos.	CONTRACT OR	
83	PS5-01-10"-FW-0097-B49	B49	ELBO	P9LSEUWXBE10S01	10"		90 LR ELBOW , BE , SCH 10S , B16.9316/316L SS A403-WP316/316L-WX , WLD 100% X-RAY	1	Nos.	CONTRACT OR	PID ON HOLD

84	PS5-01-3"-FW-0075-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	PID ON HOLD
85	PS5-01-3"-FW-0077-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	PID ON HOLD
86	PS5-01-4"-FW-0067-B49	B49	ELBO	P9LSERSMBE40S01	4"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	PID ON HOLD
87	PS5-01-4"-FW-0107-B49	B49	ELBO	P9LSERSMBE40S01	4"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	PID ON HOLD
88	PS5-01-10"-FW-0089-B49	B49	ELBO	P9LSEUWXBE10S01	10"		90 LR ELBOW , BE , SCH 10S , B16.9316/316L SS A403-WP316/316L-WX , WLD 100% X-RAY	1	Nos.	CONTRACT OR	PID ON HOLD
89	PS5-01-10"-FW-0087-B49	B49	ELBO	P9LSEUWXBE10S01	10"		90 LR ELBOW , BE , SCH 10S , B16.9316/316L SS A403-WP316/316L-WX , WLD 100% X-RAY	1	Nos.	CONTRACT OR	PID ON HOLD
90	PS5-01-10"-FW-0095-B49	B49	ELBO	P9LSEUWXBE10S01	10"		90 LR ELBOW , BE , SCH 10S , B16.9316/316L SS A403-WP316/316L-WX , WLD 100% X-RAY	1	Nos.	CONTRACT OR	PID ON HOLD
91	PS5-60-2"-IA-0001-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	4	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
92	PS5-60-2"-IA-0001-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
93	PS5-60-2"-LO-0002-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
94	PS5-60-2"-LO-0002-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
95	PS5-60-2"-LO-0003-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
96	PS5-60-2"-LO-0003-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
97	PS5-60-2"-LO-0004-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA

98	PS5-60-2"-LO-0004-B49	B49	TEE	P9LSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
99	PS5-60-2"-LO-0006-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
100	PS5-60-2"-LO-0006-B49	B49	TEE	P9LSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
101	PS5-60-2"-LO-0005-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
102	PS5-60-2"-LO-0005-B49	B49	TEE	P9LSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
103	PS5-60-2"-IA-0003-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
104	PS5-60-2"-IA-0004-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
105	PS5-60-2"-IA-0006-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
106	PS5-60-2"-IA-0005-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
107	PS5-60-2"-IA-0009-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
108	PS5-60-2"-CW-0002-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
109	PS5-60-2"-CW-0003-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
110	PS5-60-2"-CW-0004-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
111	PS5-60-2"-CW-0005-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA

112	PS5-60-2"-CW-0006-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
113	PS5-60-2"-LO-0001-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD_REQ UIRE OF LUBE OIL. HOLD FOR
114	PS5-60-2"-LO-0001-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD_REQ UIRE OF LUBE OIL. HOLD FOR
115	PS5-60-3"-IA-0008-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
116	PS5-60-3"-IA-0008-B49	B49	REDU	PRCSERSMBE40S01	3"	2"	CONC REDUCER , BE , SCH40S x SCH40S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
117	PS5-60-3"-IA-0008-B49	B49	TEE	PRTSERSMBE40S01	3"	2"	RED.TEE , BE , SCH40S x SCH40S , B16.9316/316L SS A403- WP316/316L-S, SMLS	6	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
118	PS5-60-2"-IA-0007-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
119	PS5-77-3"-CW-0001-B49	B49	ELBO	P9LSERSMBE40S01	3"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	29	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
120	PS5-77-3"-CW-0001-B49	B49	OLET	PLGSE415DBBR2MN	3"	1"	FLGD PIPET, CL150 SCH40S X SCH80S, RF, B16.5 , HDR/BRN , 150MM , MFR STD, B31.3316/316L SS A182-F316/F316L	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
121	PS5-77-3"-CW-0001-B49	B49	TEE	PRTSERSMBE40S01	3"	2"	RED.TEE , BE , SCH40S x SCH40S , B16.9316/316L SS A403- WP316/316L-S, SMLS	9	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
122	PS5-60-2"-CW-0001-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	4	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
123	PS5-60-2"-CW-0001-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
124	PS5-77-2"-CW-0001A-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
125	PS5-71-2"-OD-0011-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	

126	PS5-28-VDC-1100-N2	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SPEC AND SIZE ON HOLD
127	PS5-28-VDC-1100-N7	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	SPEC AND SIZE ON HOLD
128	PS5-25-2"-ATM-0007-B49HE	B49	ELBO	P4LSERSMBE40S01	2"		45 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	LINE SIZE ON HOLD
129	PS5-25-2"-ATM-0008-B49HE	B49	ELBO	P4LSERSMBE40S01	2"		45 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	LINE SIZE ON HOLD
130	PS5-25-1"-LO-0002-B49HE	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	
131	PS5-25-1"-LO-0003-B49HE	B49	ELBO	P9LSERSMBE80S01	1"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	PID HOLD
132	PS5-53-2"-UW-US025-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
133	PS5-53-2"-UW-US001-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
134	PS5-53-2"-UW-US002-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
135	PS5-53-2"-UW-US003-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
136	PS5-53-2"-UW-US004-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
137	PS5-53-2"-UW-US005-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
138	PS5-53-2"-UW-US006-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
139	PS5-53-2"-UW-US007-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID

140	PS5-53-2"-UW-US008-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
141	PS5-53-2"-UW-US009-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
142	PS5-53-2"-UW-US010-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
143	PS5-53-2"-UW-US012-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
144	PS5-53-2"-UW-US011-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
145	PS5-53-2"-UW-US024-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
146	PS5-53-2"-UW-US013-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
147	PS5-53-2"-UW-US014-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
148	PS5-53-2"-UW-US015-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
149	PS5-53-2"-UW-US016-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
150	PS5-53-2"-UW-US026-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
151	PS5-53-2"-UW-US017-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
152	PS5-53-2"-UW-US018-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
153	PS5-53-2"-UW-US021-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID

154	PS5-53-2"-UW-US022-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
155	PS5-53-2"-UW-US019-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
156	PS5-53-2"-UW-US020-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
157	PS5-53-2"-UW-US023-B49	B49	ELBO	P9LSERSMBE80S01	3/4"		90 LR ELBOW , BE , SCH 80S , B16.9316/316L SS A403-WP316/316L-S, SMLS	2	Nos.	CONTRACT OR	HOLD FOR UTILITY STATION P&ID
158	PS5-60-2"-LO-0007-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
159	PS5-60-2"-LO-0007-B49	B49	TEE	PRTSERSMBEDBB01	2"	1"	RED.TEE , BE , SCH40S x SCH80S , B16.9316/316L SS A403- WP316/316L-S, SMLS	1	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
160	PS5-60-2"-CW-0007-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA
161	PS5-60-2"-IA-0011-B49	B49	ELBO	P9LSERSMBE40S01	2"		90 LR ELBOW , BE , SCH 40S , B16.9316/316L SS A403-WP316/316L-S, SMLS	3	Nos.	CONTRACT OR	HOLD FOR POWER GEN AREA