REQUEST FOR EXPRESSION OF INTEREST FOR PROVISION OF CIVIL WORK TEST SERVICES
REFERENCE NO.: CPP-PROC-TZ-053-0912-C1C4

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 providing civil work test services to the EACOP Project.

The EACOP Project involves the construction and operation of an underground and cross-border pipeline to transport crude oil for export to international markets. The pipeline will run from Kabaale, Hoima District in Uganda to the Chongoleani peninsula near Tanga in Tanzania. The length of the pipeline is 1,443 km, of which 1,147 km will be in Tanzania.

BRIEF DESCRIPTION OF THE SCOPE OF THE SERVICES:

- Civil work test, such as the test of Sampling freshly mixed concrete, Temperature of freshly mixed concrete, etc.

  Please refer to Appendix 4 for a list of specific item requirements.

MINIMUM REQUIREMENTS:

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

- Proof of registration with the Tanzania Revenue Authority (TRA).
- Proof of registration/application to the EWURA Local Supplier Service Provider (LSSP) database at the time of submission of the response to this expression of interest is strongly recommended.
- Compliance with Petroleum (Local Content) Regulations, 2017, and Local Company definition for Tanzania.
- Fully filled Key personnel list with CV (Appendix 1) and Equipment list of production and inspection (Appendix 2) in requested format. (Blank is regarded as an unqualified item.)
- Similar supplying experience within the last three years (Appendix 3) in the requested format.
- Copy of certificates of ISO 9001, and ISO 17025.
- Tax Clearance Certificate for the latest year available.

Companies which have the ability, capacity, and resources to implement the activities listed above should express their interest by sending together with the documents stated in the above section through an email to [supplierdata1@cpptz.com] (**Max. Email Size: 20 MBs, all documents** must be submitted in the **English language**) on or before **24:00 hours East African Time (EAT),** on **27th September 2023. The subject of the email should be *"EOI for CPP-PROC-TZ-053-0912-C1C4-COMPANY NAME"*. CPP reserves the right not to consider companies that submit an incorrect email subject and the incorrect format of Appendix 1, 2 and 3.**

The **format** of the required documents and **relevant technical requirements** 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/).**

Note: CPP will review and assess the documents provided by companies that have expressed interest in accordance with this EOI and conduct evaluations based on internal criteria to determine which companies will be included in the list of pre-qualified companies. Only the pre-qualified companies will receive, by signing a Non-Disclosure Agreement (NDA), an invitation to bid as a continuation of the call for tender process. CPP reserves the right at its sole discretion to make the decision to select or reject a company and maintain its decision.

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: pls attach photos and self-owned certificate etc.

APPENDIX 3 List of similar supplying experience

Client	Contact Information of Client (Email/Phone number)	Location	Years	Name of the Project	Scope of Work	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.

APPENDIX 4 Test service

A	FIELD TESTING AND VISIT CHARGES	Standards Requirement	Unit of Measure	Assumed Quantity
1	Sampling freshly mixed concrete	ASTM C 172	Each	800
2	Temperature of freshly mixed concrete	ASTM C 1064	Each	800
3	Slump test of freshly mixed concrete	ASTM C 143	Each	800
4	Air content of fresh concrete	ASTM C 231	Each	800
5	Unit weight of fresh concrete	ASTM C 231	Each	800
6	Making concrete cylinders/motor/grout specimen(Max.1 hour for one set)	ASTM C-31/109	Each cyln	800
7	Sampling of aggregate/soil	ASTM D 75	Each	160
8	In-situ density test,(minimum 5 test shall be charged at each visit)	ASTM D 6938	Each	1127
9	Non-productive waiting time due to client related reason		Hour	300
10	Mobilization and De-mobilization of crew for field testing and collection of samples		Round trip	867
B	**SOIL TESTING**			
1	Grading/Sieve analysis	BS 1377-2/BS EN ISO 14688-2	Each	1220
2	Classification of soil	ASTM D 2487	Each	1220
3	Classification of soil	ASTM D 3282	Each	
4	Specific gravity of soil	ASTM D 854	Each	1220
5	Atterberg Limits	BS 1377-2	Each	1220
6	Plasticity Index	BS 1377-2	Each	1220
7	Compaction Test - BS Heavy-4.5kg rammer method.	BS 1377:Part 4:1990	Each	1220
8	Chloride Content	BS EN 1744-1	Each	1220
9	Water soluble sulphate content(mg/kg)	BS 1377-3	Each	1220
10	Organic matter content, %	BS 1377-1 & 3	Each	1220
11	Relative density by vibratory table	ASTM D 4253/4254	Each	1220
12	Effective angle of internal friction φ' and Effective Cohesion	BS 1377-7	Each	1220
13	Dynamic Cone Penetrometer Test (In-situ CBR%)	BS 1377-9	Each	1220
14	California Bearing Ratio.3 points test (CBR)	BS 1377-4	Each	1220
15	Undrained shear strength of remolded material, kPa (Effective angle of internal friction φ', Effective cohesion c', kPa)	BS 1377-9 (field) /BS 1377-7 (laboratory)	Each	1220
16	Field density test by Sand Replacement Method	Adopted by 3rd Party Laboratory, Refer to MWoT general specifications	Each	1127
17	Field density test by Sand Replacement & nuclear methods	Adopted by 3rd Party Laboratory, Refer to MWoT general specifications	Each	0
C	**CONCRETE TESTING**			
1	Sampling/Making Concrete cubes	EN 12390-1 to 8.	Each	800
2	Slump Test for Workability	ASTM C 617	Each	800
3	Provision of a temporary Curing Tank equiped with a temperature gauge	Relevant Standard	Each	3
4	Compressive strength of concrete cubes	EN 12390-1 to 8.	Each	800
5	Compressive strength of concrete blocks	ASTM C 140	Each	800
6	Concrete Mix design Trials(Each Concrete Class)	Standard method	Each	800
7	Bitumen coating test (DFT) on burried concrete	ASTM D-1005/BS 8102	Each	150
8	Schmidt Rebound Hammer test (10 point each tes	ASTM C 805	Each	800
9	Temperature of fresh concrete	EN 206	1 test per 50m3 cast	108
10	Chloride content	EN 480-10	1 test per week	108
11	Initial Setting Time	ASTM C 403	Each	108
D	**AGGREGATE TESTING (Fine and Coarse Aggregates as found applicable)**			
1	Magnesium Sulphate Soundness, % 5 cycles	ASTM D5240	Each	67
2	Sieve analysis/Grading	BS EN 12620+A1	Each	67
3	Petrographic Examination	Absence of weakness or materials that could result in significant stone alteration and reduction in durability.	Each	67
4	Specific gravity and absorption	ASTM C 127/128 or BS EN 1097-6 as found applicable	Each	67
5	Soundness	ASTM C 88	Each	67
6	Degradation	ASTM D3744	Each	67
7	Los Angeles Abrasion, % (1000 revolutions)	ASTM C535	Each	67
8	Flakiness and Elongation	BS 812	Each	67

9	Nominal Size, D50 (visual inspection by a qualified engineering geologist or geotechnical engineer)	_	Each Stockpile	67
10	Water absorption test	BS EN 1097-6	Each	67
11	Ten percent fines value (TFV) test	BS 812-111	Each	67
12	Chloride Content.	Available relavant BS or ASTM	Each	67
13	Sulphate (Sulfate) Content	Available relavant BS or ASTM	Each	67
14	Silt, Clay and Dust Content	Available relavant BS or ASTM	Each	67
15	Organic Impurities (Fine Aggregate Only).	Available relavant BS or ASTM	Each	67
16	Moisture Content	Available relavant BS or ASTM	Each	67
E	**WATER FOR CONSTRUCTION**			
1	Tests in accordance with methods/requirements in BS EN 1008 (pH, TSS, TDS, Chloride & Sulphates)	BS EN 1008	Each Sample(All tests)	15
2	Sugars, Phosphates, Nitrates, Lead and Zinc			15
3	Ol & Fats, Detergents, Colour Suspended Matter, Odour, Acids & Humic Matter			15
F	**GEOTEXTILE TESTING**			
1	Tensile Strength, kN/m (MD/CMD)	EN ISO 10319	Each	
2	Elongation at maximum load, % (MD/CMD)	EN ISO 10319	Each	
3	Penetration resistance, N (Static Penetration Test	EN ISO 12236	Each	
4	Fall cone test, mm	EN ISO 13433	Each	
5	Equivalent mesh size (O90), mm	EN ISO 12956	Each	
6	Permeability (H50), l/m2.s	EN ISO 11058	Each	
G	**STEEL REINFORCEMENT**			
1	Characteristic Yield Strength	BS EN 10080 or BS 4449+A3	Each	13
H	**CEMENTIOUS AND EPOXY GROUT**			
1	Cementious grout: Compressive Strength	ASTM C1107/C1107M		100
2	Epoxy Grout Compressive strength	ASTM C579		100
3	Epoxy grout: Flexural strength	ASTM C580		100
4	Epoxy grout: Tensile strength	ASTM C307		100
F	**PRELIMINARIES**			
1	Provision of 3 Laboratory Engineers		Monthly	3
2	Provision of Laboratory Equipment		Monthly	3