

OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT, ISLAMABAD
FOREIGN SECTION A

(To be completed, filled in, signed and stamped by the principal)

ANNEXURE 'A'

Material Internal Corrosion Monitoring Material for Different Fields
Tender Enquiry No PROC-FA/CB/PROD-4762/2020.
Due Date
Evaluation Criteria GROUP WISE

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
Group A								
1	PROBE, CORROSION ELECTRICAL RESISTANCE FOR 8" , SCH 80. PRODUCT CODE. PERAC228WL40A06. IP# IASY ACCESS FITTINGS "COSASCO/CORMON"	Number	75					
2	PROBE, CORROSION ELECTRICAL RESISTANCE FOR 4" , SCH 80. PRODUCT CODE. PERAC127WL40A06. IP# IASY ACCESS FITTINGS "COSASCO/CORMON"	Number	75					
3	PROBE, CORROSION ELECTRICAL RESISTANCE FOR 6" , SCH 80. PRODUCT CODE. PERAC180WL40A06. IP# IASY ACCESS FITTINGS "COSASCO/CORMON"	Number	75					
4	PROBE, CORROSION ELECTRICAL RESISTANCE FOR 10" , SCH 80. PRODUCT CODE. PERAC228WL40A06. IP# IASY ACCESS FITTINGS "COSASCO/CORMON"	Number	20					
5	PROBE, CORROSION ELECTRICAL RESISTANCE FOR 12" , SCH 80. PRODUCT CODE. PERAC228WL40A06. IP# IASY ACCESS FITTINGS "COSASCO/CORMON"	Number	10					
6	PROBE, CORROSION ELECTRICAL RESISTANCE FOR 26" , SCH 20. PRODUCT CODE. PERAC228WL40A06. IP# IASY ACCESS FITTINGS "COSASCO/CORMON"	Number	10					
7	PROBE, CORROSION ELECTRICAL RESISTANCE FOR 30" , SCH 20. PRODUCT CODE. PERAC228WL40A06. IP# IASY ACCESS FITTINGS "COSASCO/CORMON"	Number	10					
8	ACCESS FITTING ASSEMBLY FLARE WELD 2" SYSTEM WITH HOLLOW PLUG NON TEE TYPE 5.25" HEIGHT WITH HEAVY COVER-WITH 02 EXTRA SEALS. IP# AF-FW-NT-CS IASSY CATHODIC PROTECTION SYSTEM (CORROSSION PREVENTION)	Number	25					
9	ACCESS FITTING ASSEMBLY FLARE WELD 2" SYSTEM WITH SOLID PLUG NON TEE TYPE 5.25" HEIGHT WITH HEAVY COVER-WITH 02 EXTRA SEALS. IP# AF-FW-NT-CS IASSY CATHODIC PROTECTION SYSTEM (CORROSSION PREVENTION)	Number	10					
10	T-TYPE ACCESS FITTING ASSEMBLY FLARE WELD 2" SYSTEM WITH 1/2" PORT 6.25", HEIGHT WITH 02 EXTRA SEALS. IP# AF-FW-12-CS IASSY CATHODIC PROTECTION SYSTEM (CORROSSION PREVENTION)	Number	25					
11	3" STRIP TYPE CORROSION COUPON .875 X 2.875 X .125. IP# S3-CS-TG IASSY CATHODIC PROTECTION SYSTEM (CORROSSION PREVENTION)	Number	1000					
Group B								
12	Pipe Line / Cable locator	Number	5					

- Note:**
- Bid Bond Amount:** Bid(s) must be accompanied by an upfront bid bond in the form of pay order/ demand draft or bank guarantee issued by scheduled bank of Pakistan or a branch of foreign bank operating in Pakistan for an amount of US \$3,500/= (United States Dollar Three Thousand Five Hundred Only) or equivalent Pak Rupees, with technical bid and valid for 150 days from the date of opening of the bids.
 - Delivery period:** Delivery period of the quoted product should not be more than 60 days from the date of establishment of Letter of Credit (LC).

Specifications, Terms and Conditions.

GROUP - I: Internal corrosion monitoring material

1. All the material should be interchangeable as per internationally accepted and recognized 2" Cassaco system for international monitoring and control with a bleeding Nut over the top of cover. All the materials shall comply with NACE standard MR0175 for materials resistant to sulfide stress cracking.
2. Specification for the access fittings for hollow plug, solid plug & T-Type should meet the following requirement.
 - a. Mounting — Flareweld with Integral Branch Reinforcement per ASME B31.3.
 - b. 2" Flareweld Access Fitting Assembly, 6.25" height, 1/2" Tee body in A105 Carbon Steel for pipe sizes Access fittings Assembly in 316 SS material with Teflon on Primary Packing, O-ring, and a 6,000 psi rated heavy pressure retaining cover with bleed plug.
 - c. Standard Temperature Rating with Viton/Teflon Seals: From 15° F Up To -400° F (+204°C).
 - d. Pressure Rating — 6000 PSI working.
 - e. Meets NACE MR0175 and MR0103.
 - f. Access under Pressure — Maintenance or removal.
 - g. Injection/Sampling attached Components should be in highly corrosion resistant alloys.
 - h. Safely inject a wide variety of chemicals.
 - i. Virtually clog proof even for unscreened inhibitors.
 - j. Port 1/2" size shall be available with T-type access fitting assembly for injection of different chemicals.
 - k. All access fittings assemblies (Standard & T-Type) shall be supplied with extra seals (Minimum Two Seals).
3. The standard Access fitting assembly & T-Type access fitting should incorporate a radius to match the curvature of the pipe, with a maximum 1/16" weld gap. It should also incorporate a thick body to provide adequate branch reinforcement area to help strengthen the weld joint.
4. All Electrical Resistance Probes (ERPs) should meet following requirements:
 - a. Be retrievable and shall be compatible with corrosometer MS 1500 for regular monitoring of corrosion rates.
 - b. Should be compatible with 2" Flareweld Access Fitting.
 - c. Cylindrical Element Form for Aggressive Environments.
 - d. Suitable for Systems With Pressures up to 6000 psi.
 - e. Rugged Design.
 - f. Ideal for High Pressure and Temperature Applications.
 - g. Optional Shields for High Velocity Flow.
 - h. ER Probe should be compatible with ER data Logger Ms1500. compatible ER probe adopter shall be provided separately if the offered ER probe are not compatible with above mentioned data logger.
5. The corrosion coupons shall be supplied with their measured weight and stamped on corrosion coupon and also written on the attached envelope.
6. All the corrosion coupons shall be supplied with steel nut and bolts along with Teflon seals.
7. Factory Acceptance Test & Operational training to 2 company nominated professionals at manufacturing site at supplier's cost.

Group – II: Pipeline Locator.

1. Pipeline locator should help in Detecting and pinpointing the position / path of buried pipeline and cables with maximum accuracy regarding the depth and help in tracing insulation faults on buried pipes and cables.
2. Display of line / cable locator should help with left right direction to pinpoint the exact path of buried pipeline / cable.
3. Offered line locator / cable should be excellent for locating cable of all type, ductile iron pipe, tracer wire, and other type and should be perfect for all soil conditions, wet or dry & rocky areas.
4. Required line / cable locator should be easy to operate and should be rough & tough.
5. Line / cable locator is required to provide the digital display and is required to be wireless.
6. The required cable / line locator should be able to identify and counter interference caused from third party / line crossings and pipe casings etc.
7. Line / cable locator should be installed with latest version of its software.
8. Line / cable locator should be equipped with transmitter & received in a one unit and there should be a provision for the attachment of separator clamp (An accessory used to apply the transmitter signal to an insulated line, removing the need to connect the transmitter signal directly to a conductor or cable sheath) for direct communication with targeted object.
9. Bidders are required to provide the maximum and minimum range of line locator, line locator with maximum range shall be extra advantage.
10. Factory Acceptance Test & Operational training to 2 company nominated professionals at manufacturing site at supplier's cost.

General Terms & Conditions

1. Since the technical and financial evaluation shall be carried out separately / group Wise, therefore bidder can participate for either group or both.
2. Supplier on behalf of original Manufacturer has to provide after sales service guarantee & performance for at least two years in case of mal-functioning of any supplied equipment / material during operation, supplier shall be bound to repair / replace the tool / material at no additional cost to OGDCL.
3. If the material is not supplied directly by original manufacturer, then the bidder / supplier shall provide original authority letter from manufacturer.
4. Materials shall also be inspected by OGDCL officers upon receipt at Korangi base store (KBS) – Karachi – Pakistan.