THIRRAN ENERGY

Pipeline Questionnaire

General Description of the Pipeline:

line or system name: _____

pipeline owner: _____

pipeline operator (if diff.): _____

construction company: _____ regulatory authority: _____

address for further info:

type of inspection: ☐ Multi-channel Geometry ☐ MFL Inspection ☐ MFL+TFI Inspection
☐ Geometry with Mapping ☐ Ultrasonic (CD + WM) ☐ MFL+WM+CD
☐ SmartFoam - Caliper ☐ TFI Inspection ☐ other:

age of pipeline: _____ product: _____

nominal pipe diameter: _____ total pipeline length: _____ section length: _____

length onshore: _____ length offshore: _____

launcher location: ☐ onshore, ☐ offshore receiver location: ☐ onshore, ☐ offshore

pipeline route map available: ☐ yes, ☐ no

Product Conditions during Inspection:

product used for inspection: _____

Compressor / Pump / N2 Pump required to create pressure / flow rate?: ☐ yes, ☐ no

if gas line or condensate line, Ultrasonic tool requires liquid medium as couplants to provide effective transfer of ultrasonic wave energy between transducers and parts being inspected.

product speed (m/s): max: min: controllable: ☐ yes, ☐ no

pressure: max: min: temperature: max: min:

H_2S: % or ppm volume paraffin: % saltwater: %

other:

Pipeline Maintenance:

cleaning frequency: _____ type of pig used: _____

type of debris removed: _____

coating type, internal: _____ external: _____

caliper pigging: _____ results available: ☐ yes, ☐ no

corrosion pigging: _____ results available: ☐ yes, ☐ no

type of corrosion expected, internal: external:

corrosion and deformation history (failures, repairs, damage, etc.):

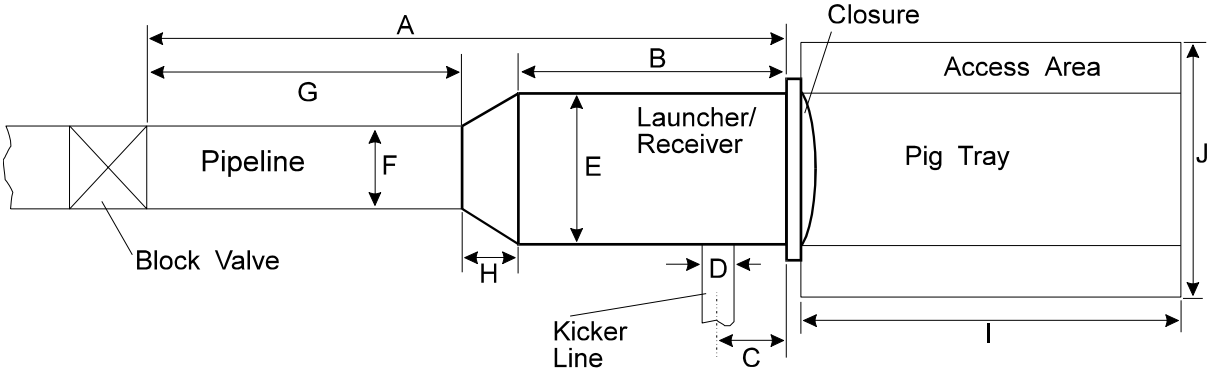
history of damage to cleaning pigs or other pigs run in the pipeline:

Operation Information:

time frame for inspection: between: and:	
customer representatives to be contacted:	phone number:
organizational questions:	
technical questions:	
recommended set-up location (base camp)	
city: state:	

Launcher/Receiver Description:

	launcher	**receiver**
orientation	☐ horiz. ☐ vertical ☐ inclined	☐ horiz. ☐ vertical ☐ inclined
total length, block valve to end closure (A)		
length of oversize (B)		
location of kicker line or bypass line (C)		
diameter of kicker line or bypass line (D)		
diameter of oversize (inside) (E)		
diameter of nominal pipe (F)		
length of nominal pipe (G)		
type/length of reducer (H)		
type/inner diameter of block valve		
height of launcher middle over ground		
free working distance behind closure (I, J)?		
is hoist available?	☐ yes, ☐ no capacity: _____ lift height:	☐ yes, ☐ no capacity: _____ lift height:
is launcher equipped with pig sig ?	☐ yes, ☐ no	☐ yes, ☐ no
sphere launching pins ?	☐ yes, ☐ no	☐ yes, ☐ no
internal basket ?	☐ yes, ☐ no	☐ yes, ☐ no



please mark the locations of available vent valves at launcher!!!

Pipeline Specifications:

	pipe type 1	pipe type 2	pipe type 3	crossings	risers
total section length:					
outer diameter in mm:					
wall thickness:					
grade:					
section length					
seamless:					
longitudinally welded:					
spirally welded:					
multi-layer pipe:					
min. inner diam. incl. ovality:					
max. inner diameter					
min. bend radius/max. angle:					
straight length between bends:					

Does the pipeline contain any of the following **features**?

threaded & collar couplings: ☐ yes, ☐ no — bell & spigot couplings: ☐ yes, ☐ no

hydrocouples: ☐ yes, ☐ no — stepped hydrocouples: ☐ yes, ☐ no

chill rings: ☐ yes, ☐ no — acetylene welds: ☐ yes, ☐ no

non-transitioned wall thickness changes: ☐ yes, ☐ no — mitre bends: ☐ yes, ☐ no

corrosion sampling points: ☐ yes, ☐ no — stopple tees: ☐ yes, ☐ no

others, please specify:

Tees and Branches

hot taps: ☐ yes, ☐ no — forged fittings: ☐ yes, ☐no

max. side opening diameter: _____ — angle to pipe run: _____

tees barred: ☐ yes, ☐ no — size of bars: _____

spacing: _____ — pattern: _____

sphere-tees installed: ☐ yes, ☐ no

comments (supply sketch if necessary): _____

Valves

type: _____ — minimum bore: _____

series: _____ — set ring spacing: _____

manufacturer: _____ — model: _____

comments: _____

Check valves check valves installed: ☐ yes, ☐ no

type: _____

minimum bore: _____ bowl length: _____

series: _____

manufacturer: _____ model: _____

can valves be locked in the open position: ☐ yes, ☐ no

can valves be removed: ☐ yes, ☐ no

Please enclose a drawing!

Possible electric charges in the pipeline

Are there high-voltage lines in the vicinity of the pipeline route? ☐ yes, ☐ no

If yes, which? _____

How long do they run in parallel to the pipeline? _____

Are there insulating flanges in the pipeline? ☐ yes, ☐ no

If yes, can they be bridged? ☐ yes, ☐ no

Are there AC suppressors? ☐ yes, ☐ no

Right-of-way conditions is radio communication available: ☐ yes, ☐ no

pipe cover depth: maximum: minimum:

type of pipeline cover: _____

accessibility (e.g. road): _____

road crossings - cased or bored: _____

available survey documents:

Special Considerations for this Inspection or Other Relevant Information:

Date: Name: Signature:

Note: This questionnaire should be completed by the pipeline user and submitted to TEN before execution of the contract. TEN reserves the right to withdraw the proposal if the information supplied by the pipeline user is not compatible with the tool suitability.