

INVITATION TO MARKET RESEARCH FOR OPERATIONAL EQUIPMENT/MATERIALS AND SERVICES

NAME OF PROJECT: Trans Anatolian Natural Gas Pipeline (TANAP)
COUNTRY: Turkey
SECTOR: Oil & Gas

TANAP Doğalgaz İletim A.Ş. (the Client) implements TANAP Project, which includes a natural gas pipeline system designed according to ASME B31.8 running from Georgia-Turkey Border to Turkey-Greece Border. The pipeline system mainly consists of steel pipe with a diameter of 56” and 48” (including a short offshore section and interconnecting lines that have reduced diameters), block valve stations, pigging stations, metering stations, off-take stations with pressure reduction stations, compressor stations and related SCADA and telecommunication facilities.

The Client hereby invites interested entities (Applicants) in supplying the below listed Equipment/Materials and Services.

The major requirements are that the Applicant:

- shall have Management Systems registered to ISO 9001, ISO 14001 (or equivalent or applied management system) and OHSAS 18001 (or equivalent or applied management system),
- shall be an accredited company with deep knowledge and proven experience (minimum 10 years) for the relevant Item in Oil and/or Gas sector,
- shall not be subject to any sanction from IFC/EIB/EBRD or EU/US/UN or Republics of Turkey and Azerbaijan,

The Applicants will further be asked by Client to provide evidence of appropriate experience and capabilities, capacities, resources and financial stability for qualification purposes.

Applicants interested are requested to submit a scanned copy of Expression of Interest Letter to the e-mail address procurement@tanap.com latest **by 18:00 o'clock (local Ankara, Turkey time) on 15 November, 2017** expressly stating the title of the Item(s) that they are interested to apply together with their contact details. Late applications will not be considered.

All rights to accept or reject applications or to invite to any bid or to amend the below list or to annul the market research process reside with the Client. Only qualified Applicants shall be invited to bid.

TENTATIVE LIST of EQUIPMENT/MATERIALS and SERVICES (subject to optimization by Client)

Item	Brief Scope of Work	Minimum Criteria
Valve Testing & Repair Services	The scope of services include all type testing of different type and size of valves and valve repair (on site and workshop) for operation period.	<ol style="list-style-type: none"> 1. Applicant shall be accredited company and has deep knowledge, equipment (high pressure test bench) and experience of large diameter - pressurized valve /Field Testing and perform the repair service 2. Applicant's technical capability to comply with on-site and at plant service with trained and qualified crew ready for 7/24 in case of necessity, emergency response shall be provided within 24 hours
Safety Relief Valves Test Services	The scope of the safety relief valves test services includes the Statutory Obligations and Risk Based Inspection results. The scope includes all the pressure safety valves (PSVs).	<ol style="list-style-type: none"> 1. Applicant shall be accredited company and has deep knowledge, equipment (high pressure test bench) and experience (minimum 10 years) of Safety Relief Valves /Field Testing and perform the repair service 2. Applicant's technical capability to comply with on-site and at plant service with trained and qualified crew ready for 7/24 ,in case of necessity, emergency response shall be provided within 24 hours
Emergency Pipeline Repair Contract	Emergency Pipeline Repair is for immediate reaction to unplanned repairs and retaining the necessary tooling, equipment and services before a situation occurs.	<ol style="list-style-type: none"> 1. Applicant shall provide the heavy machinery and equipment required for emergency repair on pipeline depending on the selection of repair type. 2. Emergency response shall be provided within 24 hours.
Geotechnical Services	The scope of the Geotechnical Services and investigations is to obtain sufficient reliable information regarding the geo-hazards on pipeline route and stations. Those geotechnical data shall be compared with the specification and baseline conditions.	<ol style="list-style-type: none"> 1. Applicant shall perform the required geotechnical surveys with trained and qualified crew along the pipeline route and at stations. 2. Applicant's technical capability to provide the consultancy services, assessment of the results and recommendation of the mitigation actions to the Client as a subject matter expert.
Logistics and Customs Clearance	The scope includes transportation of materials sourced within Turkey and abroad to Project sites including customs clearance whenever needed.	<ol style="list-style-type: none"> 1. Logistics and customs services will be taken from single company. 2. Accredited customs broker experienced in pipeline materials import and export customs duties. 3. Able to import and export materials at all Turkish customs. 4. Logistics company qualified with L1-L2, R1-R2, C2 transport authorization documents for international and domestic transportation. 5. Applicant shall be able to handle all transportation types.
Cathodic Protection Annual Survey	The scope of the cathodic protection survey includes the annual survey of the cathodic protection (CP) system and reading & recording of the CP data.	<ol style="list-style-type: none"> 1. Applicant shall provide competent, certified and qualified Cathodic Protection specialist inspectors, experts to take Cathodic Protection readings along the pipeline route and at stations, to record these properly in the integrity database 3. Applicant shall provide the consultancy services such as evaluation of readings, assessment of CP system and recommendation of the required maintenance methodology to the Client. 4. Applicant shall provide necessary calibrated measuring and reading equipment, tools to implement the works.

Mobile Cranes	The scope of services include the supply of different size, type and capacity of mobile cranes/ heavy duty equipment for operation period.	<ol style="list-style-type: none"> 1. Applicant shall provide a trained, certified, qualified and competent Responsible Person/Rigger/Slinger/Signaller/Crane Operator and Crane Supervisor who has the knowledge, experience and understanding of all aspects of the lifting operation in case of necessity, emergency response shall be provided within 24 hours. 2. Applicant shall submit plan the lift and operate a safe system of work. 3. Applicant shall ensure that the cranes supplied are of a suitable type and capacities (35 T hiab, 65 T truck-mounted cranes, 100 T all terrain) to all pipeline facilities and equipment in case of necessity.
Vibration Measurement Services for Rotating Equipment	The scope of service includes periodic vibration measurement and analysis for critical rotating equipment.	<ol style="list-style-type: none"> 1. Applicant has deep knowledge and experience of rotating equipment (pump, fans, gearboxes etc.) and non-rotating parts of a machine (Absolute vibration) vibration measurements/analysis 2. Applicant's technical capability to comply with on-site measurement with trained and qualified expert, in case of necessity, emergency response shall be provided. 3. Applicant shall submit full and comprehensive report typically includes: graphs of measurements, visual findings and clear conclusions.
Lifting & Handling Equipment Test Services	The scope of service includes legislative annual test and registration (certification) of lifting equipment from third party or Chamber of Mechanical Engineers.	Applicant shall be operated in related field in minimum 5 years and authorised by Turkish Accreditation Agency in performing Lifting and Handling Equipment Test Services
NDT Services	<p>Scope includes the below inspections:</p> <ul style="list-style-type: none"> • Visual inspection • Penetrant testing • Radiographic testing • Ultrasonic testing • Electromagnetic testing • Acoustic emission testing • Thermal/infrared testing • Paint thickness inspection • Deformation inspection • Magnetic particle testing 	<ol style="list-style-type: none"> 1. Applicant shall be responsible for performing non-destructive inspections/methods to all pipeline and station facilities and report the findings. 2. Applicant shall be accredited company in conventional and advance non-destructive inspections/methods. 3. The non-destructive inspection procedures shall be prepared, approved by Level 3 experts 4. Inspections shall be performed by qualified and certified personnel (Level 2 and 3) through an established program that incorporates all the recommended guidelines provided in ASNT Document SNT-TC-1A or European EN 473.
ROW Restoration, Vegetation, Maintenance Management and Snow Removal Services	This maintenance and inspection contract includes the restoration, patrolling (technical), cathodic test posts readings and vegetation of Right of way. The Snow removal services for TANAP pipeline and AGI's will be also combined with this contract.	<ol style="list-style-type: none"> 1. Following items (but not limited to) are the points of interests of the ROW patrolling activity: <ul style="list-style-type: none"> • Erosions, Subsidence, Land Contour Changes • Rip-Rap & Gabion Condition • All Crossings Conditions • Vegetation Cover Condition on Row • Damaged or Missed Line Markers & CP Test Posts • Any construction activity in ROW Corridor 2. Applicant shall provide the heavy machinery with certified operators for snow removal activity.