RE: REPLACEMENT OF STURROCK DRY DOCK (SDD) INNER CAISSON GATE AT THE PORT OF CAPE TOWN FOR A PERIOD OF 24 MONTHS
TENDER NO: TNPA/2023/07/0011/34733/RFP

We have been through the tender documents and have the following queries for you.

Query No 1.

T2.2-06 Previous Experience

Please advise if the Tenderers sub-contractors and Professional team experience is considered acceptable to be included as part of the Previous Experience returnable?

Response 1: As per T2.2-06 in page 7 of RFP, " the Tenderers are required to demonstrate performance in compatible projects....". Therefore, it's the Tenderer that must demonstrate previous experience. The tenderer must also refer to T2.2-02 Joint Venture Eligibility Criteria.

Query No 2.

Please provide Annexure H – Book of Drawings

ANNEXURE H: DRAWINGS

Document Reference	Title	No of page
	This cover page	1
i.	Book of Drawings	43

Response 2: Annexure H- Book of Drawings is included.

Query No 3.

We are not clear as to what the intention is for pricing C1 – it is very hard to assess the full scope, thus providing a lump sum price at this stage is difficult – would suggest that pricing can only take place once a detailed assessment has been done? Perhaps a B0Q could be provided in order to establish rates to be used, to be able to assess all tenderers, and later re-measured as required:

SECTION : C1

BILL SECTION C1 - CAISSON GROOVE ASSESSMENT AND REPAIRS

Note: All works under this section to be confirmed after award and assessments conducted to develop the scope pertaining to the caisson groove refurbishment

Note: All works relating to the assessments, testing and repairs shall be in accordance with the specifications and requirements as described in the Part C3 where applicable, and subject to approval during contract execution

Response 3: See attached RFP amendments on section C1 on the C2.2 *bill of quantities*.

Question 4.

Clarifications,

1. Please provide drawing for the following,

- Bollard : 507343 -00 Drg SS-110
- Rubber seals : 507343 -00 Drg SS-102
- Greenheart Timber : 507343 -00 Drg SS-102
- Anodes : 507343 -00 Drg SS-113

Response 4: refer to Book of Drawings: Annexure H.

Query No 5.

Please advise on the schedule of fixed rental costs and timeframes envisaged for the various facilities listed in the Site Information, and advise on the fixed hourly rates for towage:

TNPA Facilities Available for Use

It is assumed that it would be required to use TNPA facilities for assembly and launching of modules of the floating gate. Some facilities and services could be made available to the *Contractor* for a fixed timeframe and would be based upon shared use of the facilities i.e. other *Contractors* or Ship repair clients would need to be accommodated. The following locations can be made available to the *Contractor* at a fixed rental cost for a limited duration:

Response 5.: The tenderer may contact the following TNPA departments which will guide the Tenderers relating usage of TNPA facilities:

1. Ship Repair: Administration Office: 021 449 5432 (All dry-docks)
2. Port Control Administration: 021 449 1009 (Towing, A-Berth Booking, Tariff Book enquiries)

Furthermore, the process is as outlined below:

The process for the dry docking and shifting application is as follows:

- Application for dry dock booking is done via Ship Repair office.
- Application for berth is done via Integrated Port Management System (IPMS) on the Transnet National Ports Authority website : www.transnetnationalportsauthority.net or port control office.
- Shifting or towing is requested via port control, using an application form.
- The point above might require an agency to conduct the applications.
- The tariff used is dependent on the "vessel" gross tonnage, and the duration of dry-dock usage.

Things to note:

- Syncrolift and RDD has working hours, from 7am – 7pm. Only Sturrock is uncapped in terms of working times.

The rate provided are an indication of what it will look like of this particular scenario, bidd

Question 6.

1. Please confirm if the timber and rubber seals will be the contractors or client's supply.

Response 6: The contractor must supply as per bill of quantities break-down.

S2 50	Bollards as per Type DN250 per ISO 3913 1977(en) drawing 507343-000-	No	6.00		R	-
	DRG-SS-110 welded to steel structure					
S2.51	Panama Type Fairleaders as per drawing 507343-000-DRG SS 110 welded to steel structure	No	4.00		R	-
S2.52	Rubber DC Fenders per 350x350x5000	No	23.00		R	-
	mm (186 total length 93 m per side) with					
	cross section as per 507343 000 DRG-					
	SS-110 including M30 Bolts and washers					
	grade SS316					
S2.53	Rubber Seal Fender as per 200x200x5000 mm Solid Block Fender	No	30.00		R	-
	(76m in total length) for installation alonp					
	either side of keel of caisson with cross					
	section as per Detail on Dwg 507343-					
	0000 DRG 55-102					
S2.54	Fender Shipping Cost - Cape Town	Sum	1.00		R	-
	Greenheart/Azobe/Ekki Timber on Keel					
	as per Keel Drawing 507343-000-DRG-					
	SS-102 :					
S2.55	Four strips of 160x160 mm (76 long each, 304 m in total)	3	8.00		R	-
S2.56	One strip of 870x250mm (made u p of 4x 250x250) 76 m long	m°	19.00		R	-
52.57	Wood Shipping Cost	Sum	1.00		R	-

Question 7.

1. **The spreader beam design including the designated lifting point on the structure is not clear in the tender documentation therefore unable to provide an accurate cost for this item. Kindly forward us the spreader beam design details and advise if excluded that contract rates can be used for this scope of work?**

- **TNPA Response**: It is not clear what "spreader beam" is been referred to, however the scope details the crawl beam required for the caisson gate in section "10.1.3 Crawl Beam - For Installation and Maintenance of Valves" in the structural and mechanical specification. The dimensions are provisionally given as 180x90 I Beam (length to be determined from drawings with lifting capability by means of chain block arrangement, throughout the span of the beam.

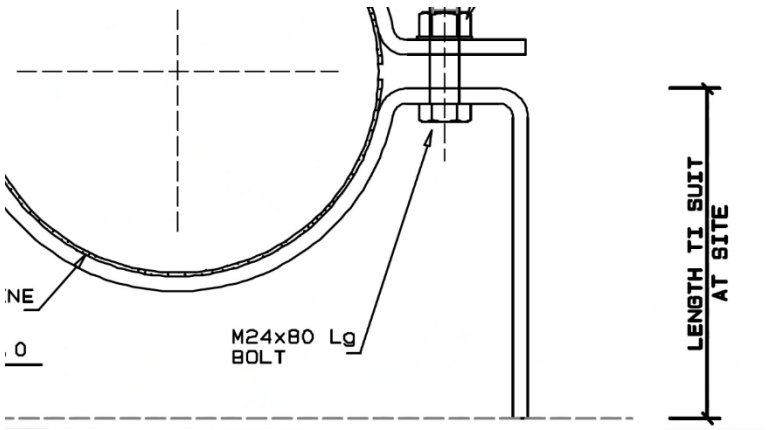
Question 8.

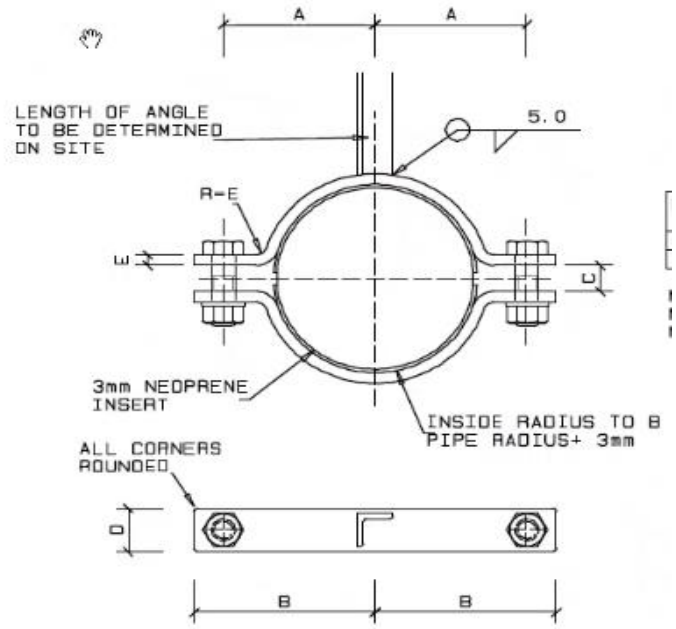
1. **The BOQ details the material grade EH36 plate. Would it be acceptable to substitute the plate material as S355JR material grade?**

- **TNPA Response**: No, it is not acceptable to substitute and EH36 plate needs to supplied accordingly, bidders to ensure strict adherence to provided scope of works.

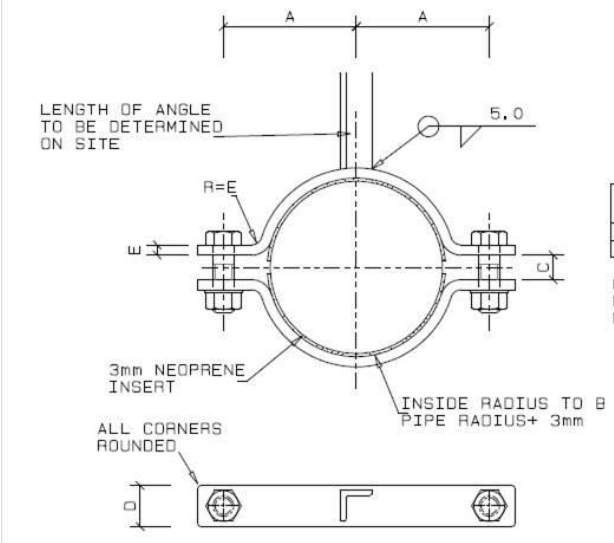
Question 9.

1. **As per the scope of work "Section S2 Caisson Gate Mechanical and Structural Fittings" Refer to drawing 507343-0000-SS-DRG-109, The below two screenshots state "Pipe Supports and length to be determined onsite and Length of angle to be determined onsite " There is no mentioned in the BOQ on the quantity for structural material needed for the pipe supports. Kindly provide clarity on this item or provide a new bill items with quantities so that this can be priced correctly.**





- **TNPA Response**: See extract below and use it to list all auxiliary items materials referring to the drawings, taking into the supplied drawing. The quantities of the pipe supports can be determined from the drawing below and applicable SANS code. The length of the angle iron of the pipe supports can be assumed to be a maximum of 0.5m per support which will be re-measurable during construction.



NOM PIPE SIZE	PIPE O.D.	A	B	C	D	E	BOLT SIZE	ANGLE SIZE
80	88.9	80	100	16	30	5	M12x45	25x25x5
150	168.3	130	155	24	40	10	M20x70	30x30x5

MAXIMUM DISTANCE BETWEEN PIPE SUPPORTS AS FOLLOWS
N.B. 80 DISTANCE 3.0 M
N.B. 150 DISTANCE 4.0 M

- You may add them under “Other Items” if not listed in the material items

	Other:-							
	All other items not included above but which are nevertheless necessary to meet the Scope of Work and/or are required for the proper, safe and effective operation of the plant (Specify)	Sum	1					

Question 10.

1. **Section I5 in Bill of Quantities, Section 2.9 in Annexure B, DS-II-0007 Data Sheets, P37-39 of 50 BOQ, P21 Annexure B. There are no ranges for the instrumentation required, sizes of the process connections.**

STURROCK DRY DOCK FLOATING GATE, PORT OF CAPE TOWN

DS-II-0005

DATA SHEET No. DS-II-0007
INSTRUMENTATION

	DESCRIPTION	UNIT	SPECIFIED	OFFERED
1	**HYDROSTATIC LEVEL METER**			
1.1	Manufacturer			
1.2	Sensor Model			
1.3	Transmitter Model			
1.4	Number of Relay outputs	*No.*	>=2	
1.5	Detection Range	m		
1.6	Fieldbus Enabled	*Yes / No*	No	
1.7	Analog Input		4-20mA	
1.8	Surge Protection Required	*Yes / No*	No	
1.9	Local Indication Required	*Yes / No*	Yes	
1.10	**Additional datasheet from manufacturer included with tender**	***Yes / No***	**Yes**	
2	**OXYGEN METERS**			
2.1	Manufacturer			
2.2	Sensor Model			
2.3	Transmitter Model			
2.4	Number of Relay outputs	*No.*	>=2	
2.5	Detection Range	mg/l		
2.6	Fieldbus Enabled	*Yes / No*	No	
2.7	Analog Input		4-20mA	
2.8	Surge Protection Required	*Yes / No*	Yes	
2.9	Local Indication Required	*Yes / No*	Yes	
2.10	**Additional datasheet from manufacturer included with tender**	***Yes / No***	**Yes**	

- **TNPA Response**: Using the above as example, the Bidders will specify the offering in accordance to their selected OEM specification. Hence there's a section which "offered" for the bidders to fill in the selected offering and specification.
- For the process connection refer to P&ID drawings.

Question 11.

1. **Section I2 & I4 in Bill of Quantities. Please provide the functional spec document required on the PLC and SCADA.**

- **TNPA Response:** Refer to ANNEXURE B: PARTICULAR EC&I SPECIFICATION, for PLC refer to page 15 and SCADA 17 in the document which has the functional specification.