Request for Sealed Quotations

for the

Supply and Delivery of Pipework, Valves, Couplings and Fasterners for Okahao-Tsandi-Rural Critical Pump Station.

Procurement Reference No: G/RFQ/NW-071/2025

Name of Bidder		
Contact Person		
E-mail Address		
Postal Address		
Total Amount (Excl. VAT)		
Contact Phone number	**Work:**	**Mobile:**

Documents must be posted / delivered to:

The Quotation/Bid Box

Att: Procurement Management Unit (+264 61 71 2015, bids@namwater.com.na)

Namibia Water Corporation Ltd.
Private Bag 13389
176 Iscor Street, Aigams Building
Windhoek

Closing Date: Thursday, 08 May 2025 at 11h00

NO LATE BIDS WILL BE ACCEPTED!

NOTICE TO BIDDERS

- **Please take note of initializing all pages of the standard bidding document and initial all the supporting documents including company profiles, brochures, etc.**
- **Take note to sign all relevant pages as stipulated in the biddingstandard document.**

Copies of documents not certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963) will not be accepted

Namibia Water Corporation Ltd.
Private Bag 13389, Windhoek, Namibia
Tel: +264 61 71 2066
Fax: +264 61 21 0741

Letter of Invitation

Name and Address of Bidder_____

Procurement Reference Number: G/RFQ/NW-071/2025

09 April 2025

Dear Sir/Madam

Supply and Delivery of Pipework, Valves, Couplings and Fasterners for Okahao-Tsandi-Rural Critical Pump Station.

NamWater invites you to submit your best quote for the items described in detail hereunder. Any resulting contract shall be subject to the terms and conditions referred to in the document. Queries, if any, should be addressed to Procurement Management Unit E-mail: bids@namwater.com.na, Private Bag 13389 Windhoek, Namibia.

Please prepare and submit your Bid in accordance with the instructions given or inform the undersigned if you will not be submitting a quotation.

Yours faithfully,

Procurement Management Unit

SECTION I: INSTRUCTIONS TO BIDDERS

1. Rights of Public Entity

NamWater Ltd reserves the right:

(a) to split the contract as per the lowest evaluated cost per item, and

(b) to accept or reject any quotation; and

(c) to cancel the quotation process and reject all quotations at any time prior to contract award.

2. Preparation of Quotations

You are requested to quote for the items mentioned in Section III by completing, signing and returning:

(a) the Quotation Letter in Section II*;*

(b) the List of Goods and Price Schedule Section III;

(c) the Specifications and Compliance Sheet in Section V; and

(d) any other attachment deemed appropriate.

You are advised to carefully read the complete bidding document, including the Special Conditions of Contract in Section VII, before preparing your quotation. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction.

3. Validity of Quotations

The Quotation validity period shall be **90** days from the date of submission deadline.

The tenderer shall initial each page after having read and completed this document. Any alterations made to any of the information contained in this document shall also be initialled.

4. Eligibility Criteria

To be eligible to participate in this Quotation exercise, you should:

(a) Have a certified copy (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963)), **of the COMPLETE and FULL valid** company Registration Document;

(b) Have an original or a certified copy (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963)), of a valid Good Standing Tax Certificate, as certified by the Commissioner of Oath.

(c) Have a valid good Standing Social Security Certificate, as certified by the Commissioner of Oath.

(d) Have a valid certified copy (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963)), of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in

terms of Section 42 of the Affirmative Action Act, 1998 or a valid certified copy of the original document, as certified by the Commissioner of Oath;

(e) Submit signed Bid-securing Declaration.

(f) An undertaking on the part of the Bidder that the salaries and wages payable to its personnel in respect of this proposal are compliant to the relevant laws, Remuneration Order, and Award, where applicable and that it will abide to sub-clause 4.6 of the General conditions of Contract if it is awarded.

(g) Supporting information/literature for all the items offered to substantiate compliance, where applicable.

(h) A Bidder that is under a declaration of ineligibility by the Government of Namibia in accordance with applicable laws at the date of the deadline for bid submission or thereafter, shall be disqualified.

Bids from service providers appearing on the ineligibility lists of African Development Bank, Asian Development Bank, European Bank for Reconstruction and Development, Inter-American Development Bank Group and World Bank Group shall be rejected.

Links for checking the ineligibility lists are available at:

- Republic of Namibia, Procurement Policy Unit
https://egp2.gov.na/forms/SearchSuspendedBidders.jsf
- African Development Bank
https://www.afdb.org/en/projects-operations/debarment-and-sanctions-procedures
- Asian Development Bank
http://lnadbg4.adb.org/oga0009p.nsf/sancALLPublic?OpenView&count=999
- European Bank for Reconstruction and Development
http://www.ebrd.com/pages/about/integrity/list.shtml
- Inter-American Development Bank Group
http://www.iadb.org/en/topics/transparency/integrity-at-the-idb-group/sanctioned-firms-and-individuals,1293.html
- World Bank Group
http://www.worldbank.org/en/projects-operations/procurement/debarred-firms

5. Bid Securing Declaration

Bidders are required to subscribe to a Bid Securing Declaration for this procurement process.

6. Delivery

The Goods are to be delivered within **8-16 weeks** from the date of Purchase Order or Letter of Acceptance.

Deviation in delivery period **shall not be accepted**.

7. Sealing and Marking of Quotations

Quotations should be sealed in a single envelope, clearly marked with the Procurement Reference Number, addressed to NamWater with the Bidder's name and contact information at the back of the envelope.

8. Submission of Quotations

Quotations should be deposited in the Quotation/Bid Box located at Namibia Water Corporation Ltd Head office, Private Bag 13389, 176 Iscor Street, Aigams Building, Windhoek, not later than **Thursday, 08 May 2025** at **11h00**. Offers by post or hand delivered should reach Private Bag 13389 by the same date and time at latest. Late Offers will be rejected.

Offers received by e-mail will not be considered.

9. Opening of Quotations

Quotations will be opened internally by NamWater immediately after the closing time referred to in instruction 8 above. A record of the Quotation Opening stating the name of the bidders, the amount quoted, the presence or absence of a Bid Security/Bid Securing Declaration, will be posted on the website of the Public Entity and available to any bidder on request within three working days of the Opening.

10. Evaluation of Quotations

NamWater shall have the right to request for clarifications in writing during evaluation. Offers that are substantially responsive shall be compared based on price or ownership cost, subject to Margin of Preference where applicable, to determine the lowest evaluated quotation.

11. Technical Compliance

Bidders shall submit along with their quotation documents, catalogues and any other literature to substantiate compliance with the required specifications and to qualify deviations if any with respect to NamWater's requirements.

The Specifications, Performance Requirements and Compliance Sheet details the minimum specifications of the goods/items to be supplied. The specifications have to be met but no credit will be given for exceeding the specifications.

12. Prices and Currency of Payment

Prices shall be fixed in Namibian Dollars.

13. Margin of Preference

13.1 The applicable margins of preference and their application methodology are as follows: **Not applicable**

14. Award of Contract

The Bidder having submitted the lowest evaluated responsive quotation and qualified to supply the goods/items and related services shall be selected for award of contract. Award of contract shall be by issue of a Purchase Order/Letter of Acceptance in accordance with

terms and conditions contained in Section VI: Contract Agreement and General Conditions of Contract.

Partial award of complete item will be allowed.

15. Notification of Award and Debriefing

The Public Entity shall after award of contract promptly inform all unsuccessful bidders in writing of the name and address of the successful bidder and the contract amount and post a notice of award on its website within seven days. Furthermore, the Public Entity shall attend to all requests for debriefing made in writing within 7 days of the unsuccessful bidders being informed of the award.

SECTION II: QUOTATION LETTER

(to be completed by Bidders)

[Complete this form with all the requested details and submit it as the first page of your quotation with the Price list and documents requested above. A signature and authorisation on this form will confirm that the terms and conditions of the RFQ prevail over any attachments. **If your quotation is not authorised, it will be rejected**.]

Quotation addressed to*:*	**Namibia Water Corporation Ltd**
Procurement Reference Number:	**G/RFQ/NW-071/2025**
Subject matter of Procurement:	**Supply and Delivery of Pipework, Valves, Couplings and fasterners for Okahao-Tsandi-Rural Critical Pump Station**

We offer to supply the items listed in the attached List of Goods and Price Schedule as per the defined specifications, *except for the qualified deviations [Bidder may delete this phrase in case of no deviation]* and, in accordance with the terms and conditions stated in your Request for Quotations referenced above.

We confirm that we are eligible to participate in this Quotation exercise and meet the eligibility criteria specified in Section 1: Instruction to Bidders.

We undertake to abide ethical conduct during the procurement process and the execution of any resulting contract.

We have read and understood the content of the Bid Securing Declaration (BSD) attached hereto and subscribe fully to the terms and conditions contained therein. We further understand that this subscription could lead to disqualification on the grounds mentioned in the BD].

The validity period of the Quotation is……. **days** from the date of the bid submission deadline.

We confirm that the prices quoted in the List of Goods and Price Schedule are fixed and firm and will not be subject to revision or variation, if we are awarded the contract prior to the expiry date of the quotation validity.

The delivery period offered from the date of issue of Purchaser Order/ Letter of Acceptance is as shown in the List of Goods items and Price Schedule.

Quotation Authorised by:

Name of Bidder		Company's Address and seal	
Contact Person			
Name of Person Authorising the Quotation:		Position:	Signature:
Date		Phone No./Fax	

Appendix to Quotation Letter

BID SECURING DECLARATION
(Section 45 of Act)
(Regulation 37(1)(b) and 37(5))

Date: .....

Procurement Ref No.: .....

To: .....

I/We* understand that in terms of section 45 of the Act a public entity must include in the bidding document the requirement for a declaration as an alternative form of bid security.

I/We* accept that under section 45 of the Act, I/we* may be suspended or disqualified in the event of

(a) a modification or withdrawal of a bid after the deadline for submission of bids during the period of validity;

(b) refusal by a bidder to accept a correction of an error appearing on the face of a bid;

(c) failure to sign a procurement contract in accordance with the terms and conditions set forth in the bidding document, should I/We* be successful bidder; or

(d) failure to provide security for the performance of the procurement contract if required to do so by the bidding document.

I/We* understand this bid securing declaration ceases to be valid if I am/We are* not the successful Bidder

Signed: .....
[*insert signature of person whose name and capacity are shown*]

Capacity of:
[indicate legal capacity of person(s) signing the Bid Securing Declaration]

Name: .....
[insert complete name of person signing the Bid Securing Declaration]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____, _____
[*insert date of signing]*

Corporate Seal (where appropriate)

[Note*: In case of a joint venture, the bid securing declaration must be in the name of all partners to the joint venture that submits the bid.]
delete if not applicable / appropriate

Republic of Namibia

Ministry of Labour, Industrial Relations and Employment Creation

Written undertaking in terms of section 138 of the Labour Act, 2015 and section 50(2)(D) of the Public Procurement Act, 2015

1. EMPLOYERS DETAILS

Company Trade Name:……

Registration Number :……...

VAT Number: ……

Industry/Sector: ……

Place of Business:……..

Physical Address:……..

Tel No.:……

Fax No.:……

Email Address:……..

Postal Address:……..

Full name of Owner/Accounting Officer:……..……...

…….....

Email Address:……..

2. PROCUREMENT DETAILS

Procurement Reference No.:……..

Procurement Description: ……..

……

……

Anticipated Contract Duration: …….

Location where work will be done, good/services will be delivered: ……..

……

3. UNDERTAKING

I …… *[insert full name]*, owner/representative

of ……*[insert full name of company]*

hereby undertake in writing that my company will at all relevant times comply fully with the relevant provisions of the Labour Act and the Terms and Conditions of Collective Agreements as applicable.

I am fully aware that failure to abide to such shall lead to the action as stipulated in section 138 of the labour Act, 2007, which include but not limited to the cancellation of the contract/licence/grant/permit or concession.

Signature: ……..

Date: ……..

Seal:…….

Please take note:

1. *A labour inspector may conduct unannounced inspections to assess the level of compliance*
2. *This undertaking must be displayed at the workplace where it will be readily accessible and visible by the employees rendering service(s) in relations to the goods and services being procured under this contract.*

SECTION III: LIST OF GOODS AND PRICE SCHEDULE

QUOTATION FOR: Supply and Delivery of Pipework, Valves, Couplings and fasterners for Okahao-Tsandi-Rural Critical Pump Station

Procurement Ref No: G/RFQ/NW-071/2025

INSTRUCTIONS TO THE PUBLIC BODY	INSTRUCTIONS TO BIDDERS
At time of preparation of the RFQ, Columns A to I shall be filled in by the Public Entity. [*To be filled by the Public Entity*]	Bidders shall fill-in columns F, G & H and fill the total F= Rate per unit G=Total price for one item (C x F) • If an equivalent is quoted, please attach to your quote appropriate technical information & specification • Bidders shall fill in and sign the bottom section of this page

A	B	C	D	F	G	H
Item No.	Description of Goods	Quantity	Unit of measure	Price per unit NAD[1]	Total price without VAT NAD	VAT: NAD
1	**Pipework and Fasterners**					
	Okahao Tsandi PS					
1	300NB HDG PN10 Distance piece with restraining flange	1	Each			
4	300NB HDG PN10 T Pipe special	1	Each			
5	300NB HDG PN10 Distance piece with restraining flange	1	Each			
6	300NB HDG PN10 Pipe bend special	1	Each			
7	300NB HDG PN10 T Pipe special with restraining flange	1	Each			
8	300NB HDG PN10 T Pipe special with restraining flange	1	Each			
9	300NB HDG PN10 T Pipe bend special with restraining flange	2	Each			
12	200NB -100NB HDG PN10 Eccentric reducer pipe special	3	Each			

Initials…….

13	100NB PN10 HDG Distance piece with restraining flange	3	Each			
15	100NB PN10 HDG Distance piece with restraining flange and 25NB socket	3				
16	200NB - 100NB HDG PN10 Eccentric reducer with 50NB stub	3	Each			
18	200NB HDG PN10 Flanged distance piece with 50NB stub	3	Each			
19	200NB HDG PN10 Distance piece with restraining flange	3	Each			
20	300NB HDG PN10 T Pipe special with 50NB stub	3	Each			
21	300NB HDG PN10 Distance piece with restraining flange and pipe support	2	Each			
22	300NB HDG PN10 Fanged Distance piece	1	Each			
23	300NB – 150NB HDG Eccentric reducer	2	Each			
24	150NB HDG Flanged distance piece	2	Each			
26	150NB HDG Distance piece with restraining flange	1	Each			
28	300NB HDG Distance piece	1	Each			
29	300NB HDG Pipe Bend	1	Each			
30	300NB PN10 Blank flange	1	Each			
31	50NB PN10 Distance piece with restraining flange	1	Each			
32	300NB PN10 Blank flange with 50NB stub	1	Each			
33	PN10 blank flange with 25NB socket	10	Each			
34	PN10 blank flange for 25NB stub	6				
35	M16x50 HDG bolts	55	Each			
36	M16x55 HDG bolts	55	Each			
37	M20x65 HDG bolts	30	Each			
38	M20x75 HDG bolts	350	Each			
39	M20x90 HDG bolts	200	Each			
40	M20x190 HDG bolts	80	Each			
41	M16 x 75 HDG bolts	60	Each			

Initials…….

42	M16 HDG Nuts	130	Each			
43	M20 HDG Nuts	400	Each			
44	M20 HDG Washers	400	Each			
45	M20x1000 HDG Threaded rods	30	Each			
46	300NB PN10 Ring gasket	25	Each			
47	200NB PN10 Ring gasket	15	Each			
48	100NB PN10 Ring gasket	20	Each			
49	50NB PN10 Ring gasket	30	Each			
50	0 to 120 mWh Pressure gauge LM ½" (15mm) male.	3	Each			
51	½" (15mm) male- female Gauge Cock PN10	3	Each			
				Subtotal for Item 1 Section A		
	Okahao Rural PS					
B						
2	100NB PN10 HDG Distance piece with restraining flange	2	Each			
4	100NB PN10 HDG Distance piece with restraining flange, 1 off 25NB Socket & Restraining Flange	2	Each			
5	100NB – 150NB PN10 HDG concentric reducer	2	Each			
7	150NB PN10 HDG flanged distance piece with 50NB stub	2	Each			
10	150NB PN10 HDG T piece pipe special with restraining flanges	1	Each			
11	150NB PN10 HDG pipe bend with retraining flange	1	Each			
13	150NB PN10 HDG Distance piece with restraining flange	1	Each			
14	150NB PN10 HDG Gooseneck with 50NB stub	1	Each			
15	150NB – 100NB HDG concentric reducer	1	Each			
16	100NB PN10 Ring Gasket	15	Each			
17	150NB PN10 Ring Gasket	16	Each			
18	50NB PN10 Ring Gasket	1	Each			

19	M16x55 HDG Bolts	120	Each			
20	M20x60 HDG Bolts	120	Each			
21	M16 HDG Nuts and Washers	220	Each			
22	M20 HDG Nuts and Washers	220	Each			
23	M16 HDG Threaded Rods 1m Length	10	Each			
24	M20 HDG Threaded Rods 1m Length	15	Each			
25	0 to 120 mWh Pressure gauge LM ½" (15mm) male.	3	Each			
26	½" (15mm) male- female Gauge Cock PN10	3	Each			
				Subtotal for Item 1 Section B		
				TOTAL for Item 1 (Pipework and fasteners)		
2	**Valves & Couplings**					
	Okahao Tsandi Ps					
A						
2	300NB PN10 HDG dedicated flange adaptor	7				
3	300NB PN10 Gate isolation valve short F-F 270mm EN 558-1 basic series 14	1	Each			
10	200NB PN10 butterfly valve short pattern F-F 152mm EN 558 basic series 13	3	Each			
11	200NB PN10 HDG dedicated flange adaptor	6	Each			
14	100NB PN10 HDG dedicated flange adaptor	6	Each			
17	200NB PN10 Radial/ axial Guided non return valve	3	Each			
25	200NB PN10 Gate valve F-F 230mm, EN 558, BASIC SERIES 14 (DIN 3202, F4)	3				
27	150NB PN10 dedicated flange adaptor	1	Each			
35	25NB Surge Alleviation Air Valve	3	Each			

				Subtotal for Item2 Section A		
	Okahao Rural PS					
B						
1	100NB PN10 Gate isolation valve short F-F 190mm EN 558-1 basic series 14	2	Each			
3	100NB PN10 HDG dedicated flange adaptor	4	Each			
6	150NB PN10 non return valves	2	Each			
8	150NB PN10 Gate isolation valve short F-F 230mm EN 558-1 basic series 14	3	Each			
9	150NB PN10 HDG dedicated flange adaptor	4	Each			
16	25NB Surge Alleviation Air Valve	2	Each			
				Subtotal for Item 2 Section B		
				TOTAL for Item 2 (Valves & Couplings)		
3	**Baseframes**					
1	Pipe support base frame	3				
2	Pipe support stand	10				
3	Pipe support base frame	1				
4	200NB Pipe support	3				
5	300NB Pipe support	3				
6	100NB Pipe support	3				
				Subtotal for Item 3		

				Sub-total for Item 1-3		
				Provision for Transport(If Applicable)		
	Delivery [Days/Weeks]:			**BID TOTAL**		

NAME:	POSITION:	SIGNATURE:	DATE
NAME OF BIDDER:	ADDRESS:		

If the price quoted is subject to change in the rate of exchange at the time of delivery of goods provide details hereunder:

Currency: N$ Exchange Rate: N/A

Key notes: **NA**=NOT APPLICABLE, **NQ**=NO QUOTE

SECTION IV: SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

3.1 General

The supplier shall refer to the following attached detail drawings for the items as tabulated in Section III:

- pipework layout
- Pipework detail

All flanges of fabricated pipe specials shall conform to SANS 1123 unless otherwise denoted.

All flanges of pipe specials shall be fitted in the two-hole-top off the centreline configuration.

3.2 Pipework

Steel pipes shall comply with SANS 62 or SANS 719 Grade B/C.

The wall thickness of fittings (Tees and bends) shall be according to the ANSI (ASA) B16.9 fittings standard wall thickness schedule or thicker.

Unless otherwise stated, all manufactured pipe specials shall comply with the following specifications:

Nominal Diameter	Outside Diameter	Minimum Wall Thickness
100NB	114.3 mm (as per SANS 62)	4.5 mm
200NB	219.1 mm (as per SANS 719)	4.5 mm
250NB	273.0 mm (as per SANS 719)	4.5 mm
300NB	323.9 mm (as per SANS 719)	4.5 mm

All pipework welding shall be done as per SANS 10044 for steel fusion welding. Mating surfaces shall be welded all around their mating periphery.

3.3 Pipework Couplings

Flexible flange adaptor couplings will be supplied and delivered to join plain-ended pipes to flanged valves, fittings and pipes.

Only Klamflex dedicated flexible pipe couplings or similar shall be acceptable:

All flanges of flexible pipe couplings shall conform **to SANS 1123** the pressure rating of the pipe couplings shall be indicated in the list of goods and price schedule.

The couplings shall allow for angular misalignment (± 6°) and axial adjustment.

All coupling welding shall be done **per SANS 10044** for steel fusion welding.

All flange adaptors shall be complete and ready for installation with the necessary sleeves, rubber wedge rings and clamping bolts and nuts.

All dedicated flange adaptors shall be suitable for installation with restraining rods. Should dedicated flange adapters have a raised edge that contacts the gasket with installation, not less than 90% of the appropriate gasket area shall be in contact with the flange adapter. Flush faced flange adapters will be preferred.

3.4 Wafer Diaghpragm Check Valve Design

3.4.1 General Requirements and Standards

The valves shall be required to prevent backflow in potable water applications. with zero/low silt concentrations. **The Non-return valve shall be a RIENZI Type 316/325 DIAPHRAGM or similar.**

The valves will be installed in a vertical direction.

Dual plate (double door), tilting / swing disk type non-return valves will not be accepted.

Valves with lower critical velocities will receive preference provided that pressure loss across the valve is not significantly compromised.

The non –return valve should fit between flange drilling to SANS 1123 and the pressure rating shall be as indicated in the price schedule.

The face to facelength according to BS EN 558-2008 and ranged from 40mm to 54mm.

3.4.2 Materials of Construction for Check Valves

Component	Material Type	Material Specifications
Body/Casing	SG Iron / Ductile Cast Iron	BS 2789 Gr 420/12, SABS 936 SG 42 / EN-JS 1030 (GGG-40)
Center Plate	350WA SANS 1431 Steel	
Diaphtram	EPDM	
Fasteners	Stainless Steel	Grade 316/431
Gasket	EPDM / Nitrile / Viton	EPDM / Nitrile / Viton
Internal & External Coating	Epoxy according to GSK guidelines	The total DFT shall be not less than 250µm

3.4.3 Operating Requirements and Sizing

The valve shall be capable of withstanding a maximum operating pressure of as indicated on the price schedule at 40°C under all operating conditions.

The diaphragm shall operate satisfactorily under the specified conditions.

The valve shall be capable of drop-tight sealing in both directions at a pressure difference equal to the rated working pressure in the closed position.

Torque requirements for the valves shall be included.

The bolts to be of grade 8.8 unless stated otherwise. All fasteners where applicable shall be SABS 136-1972. All bolts, nuts, threaded rods and washers, excluding stainless steel fasteners, shall be hot dip galvanized as per SANS 121/ISO 1461: 1999. **Electroplated bolts, nuts and washers shall not be accepted.**

The valves shall be able to open at respective the critical velocity and respective cracking pressure as indicted below.

3.5 Flanged Check Valve Design

3.5.1 General Requirements and Standards

The valves shall be required to prevent backflow in potable water applications.

The valves will be installed in a horizontal direction. ==➔

All valves shall be of the axially opening, radially guided, silent closing type.

Dual plate (double door), tilting / swing disk type non-return valves will not be accepted.

Valves with lower critical velocities will receive preference if pressure loss across the valve is not significantly compromised.

The flange drilling shall be to SANS 1123 and the pressure rating shall be as indicated in the price schedule.

WRAS or equivalent standard certified for drinking water.

Flange design face to face according to BS EN 558-2008.

3.5.2 Materials of Construction for Check Valves

Component	Material Type	Material Specifications
Body/Casing	SG Iron / Ductile Cast Iron	BS 2789 Gr 420/12, SABS 936 SG 42 / EN-JS 1030 (GGG-40)
Ring	Stainless steel/ Bronze	SS Grade 431/420 CuSn12-C
Guide	SG Iron / Ductile Cast Iron / Stainless steel/ Bronze Epoxy Coating / Rubber lined	BS 2789 Gr 420/12, SABS 936 SG 42 / EN-JS 1030 (GGG-40)
Spring	Stainless Steel	SS Grade 431/420
Bushing / Bearings	Zinc-Free Bronze	BS 1400 LG2
External Fasteners	Stainless Steel	Grade 316/431

Component	Material Type	Material Specifications
Internal Fasteners	Stainless Steel	Grade 316/431
Seals	EPDM / Nitrile / Viton	EPDM / Nitrile / Viton
Internal & External Coating	Epoxy according to GSK guidelines	The total DFT shall be not less than 250µm

3.5.3 Operating Requirements and Sizing

The valve shall be capable of withstanding a maximum operating pressure of as indicated on the price schedule at 40°C under all operating conditions.

The disk shall operate satisfactorily under the specified conditions.

The valve shall be capable of drop-tight sealing in both directions at a pressure difference equal to the rated working pressure in the closed position.

Torque requirements for the valves shall be included.

The bolts to be of grade 8.8 unless stated otherwise. All fasteners where applicable, shall be SABS 136-1972. All bolts, nuts, threaded rods and washers, excluding stainless steel fasteners, shall be hot dip galvanized as per SANS 121/ISO 1461: 1999. **Electroplated bolts, nuts and washers shall not be accepted.**

The valves shall be able to open at respective the critical velocity and respective cracking pressure as indicted below.

3.6 Flanged Gate Valve Design

3.6.1Operating Requirements and Standards

The required gate valve is of double flanged resilient seated gate valve type. The gate valve will be installed as isolation valves for potable water applications.

The flange drilling shall be to SANS 1123 and the pressure rating shall be as indicated in the price schedule.

3.6.2 Materials of Construction

EPDM sealing rings (on the bonnet) shall be replaceable without dismantling the valve.

The leading edges of the sealing rings shall be slightly chamfered.

Valves with adjustable seats/seals will not be accepted. The valves shall be tight in both directions.

Measures to prevent over travel of the disk when closed shall be in place.

Flanges shall be used in the two-hole-top configuration

The valves shall be supplied with hand wheels.

Materials of Construction for all Gate Valves

Component	Material Type	Material Specifications
Body	SG Iron / Ductile Cast Iron	BS 2789 Gr 420/12, SABS 936 SG 42 / EN-JS 1030 (GGG-40)
Bonnet	SG Iron / Ductile Cast Iron	BS 2789 Gr 420/12, SABS 936 SG 42 / EN-JS 1030 (GGG-40)
Disk (Wedge)	SG Iron/ Ductile Cast Iron/ Stainless steel Epoxy Coating / Rubber lined	BS 2789 Gr 420/12, SABS 936 SG 42 / EN-JS 1030 (GGG-40)
Shaft (Stem)	Stainless Steel / Zinc free Bronze	SS Grade 431/420
Bushing / Bearings	Zinc-Free Bronze	BS 1400 LG2
External Fasteners and Internal Fasteners	Stainless Steel	Grade 316/431
Seals	EPDM / Nitrile / Viton	EPDM / Nitrile / Viton
Packing	Graphite Fiber	**Note**: No Asbestos
Internal & External Coating	Epoxy according to GSK guidelines	The total DFT shall be not less than 250µm

3.6.3 Operating Requirements

The valve shall be capable of withstanding a maximum operating pressure of as indicated in the price schedule at 40°C under all operating conditions.

The wedge shall operate satisfactorily under the specified conditions.

The valves shall be able to open and close satisfactorily under a flow velocity of 3 m/s.

The bolts to be of grade 8.8 unless stated otherwise. All fasteners where applicable shall be SABS 136-1972. All bolts, nuts, threaded rods and washers, excluding stainless steel fasteners, shall be hot dip galvanized as per SABS ISO 1461: 1999. **Electroplated bolts, nuts and washers shall not be accepted.**

3.7 Flanged Butterfly Valves (AVK 756, VAG EKN® Or Similar)

3.7.1 Operating Requirements and Standards

The valves shall be installed as isolation valves for potable water applications and raw water applications with low to moderate silt concentrations. The valves shall be supplied with worm gearboxes and levers as specified in the BOQ.

The valves shall be NFS or DVGW (W270) or WRAS or ACS or KIWA or WaterMarkTM Schedule - Level 1 or SVGW certified / approved for drinking water.

Valves shall be internally and externally coated according to EN 14901 or GSK or AS/ZNS 4158 regulations / guidelines.

The valves shall be pressure tested in accordance with EN 12266 or ISO 5208.

PN10 valves shall fit between flanges drilled to SANS1123/1000/3. The flanges shall be fitted in the two-hole-top orientation. (EN 1092-2)

PN10 shall operate satisfactorily and reliably under a flow velocity of 3m/s.

The valve flanges shall have raised faces.

The valve disks shall be double eccentric.

The valves shall be resilient seated in accordance with EN 593.

The valves shall have face-to-face dimensions according to EN 558, basic series 13 / ISO 5752 series 13.

All valves shall have gearbox mounting flanges in accordance with EN ISO 5210/5211.

All valves shall be self-locking, fully enclosed, maintenance free worm gear including mechanical position indicator. NamWater reserves the right to disqualify offers for valves where gearbox operated valves are required and the gearboxes offered are determined to be substandard, yet the valves are fully technically compliant.

Dimensional drawings of all valves shall be submitted.

Gearbox enclosure ingress protection rated to at least IP 67 as defined by EN 60529

Dimensional drawings submitted, including gearbox.

Gearbox input mounting flange according to EN ISO 5210/5211

The disk shall operate satisfactorily under the specified conditions.

The valves shall be able to open and close satisfactorily under a flow velocity of 3 m/s.

The bolts to be of grade 8.8 unless stated otherwise. All fasteners where applicable shall be SABS 136-1972. All bolts, nuts, threaded rods and washers, excluding stainless steel fasteners, shall be hot dip galvanized as per SABS ISO 1461: 1999. Electroplated bolts, nuts and washers shall not be accepted.

3.7.2 Materials of Construction for all Flanged Butterfly Valves

Component	Material Type	Material Specifications
Body	SG Iron / Ductile Cast Iron	BS 2789 Gr 420/12, SABS 936 SG 42 / EN-JS 1030 (GGG-40)
Disk (Wedge)	SG Iron / Ductile Cast Iron / Stainless steel Epoxy Coating	BS 2789 Gr 420/12, SABS 936 SG 42 / EN-JS 1030 (GGG-40) / 316 (CF8M) or Superior Grade
Shaft (Stem)	Stainless Steel	SS Grade 316, 420, 430F, 431 or duplex.
Polymer seals and O-rings	NBR / EPDM	NBR / EPDM
Bushing / Bearings	Zinc-Free Bronze	BS 1400 LG2
External Fasteners and Internal Fasteners	Stainless Steel	Grade 316/431
Internal & External Coating	Epoxy according to GSK guidelines	The total DFT shall be not less than 250µm

3.7.3 Operating Requirements

The valve shall be capable of withstanding a maximum operating pressure of as indicated in the price schedule at 40°C under all operating conditions.

The wedge shall operate satisfactorily under the specified conditions.

The valves shall be able to open and close satisfactorily under a flow velocity of 3 m/s.

The bolts to be of grade 8.8 unless stated otherwise. All fasteners where applicable, shall be SABS 136-1972. All bolts, nuts, threaded rods and washers, excluding stainless steel fasteners, shall be hot dip galvanized as per SABS ISO 1461: 1999. Electroplated bolts, nuts and washers shall not be accepted.

3.8 Air Valve Design

3.8.1 Operating Requirements

The air valve shall be installed as air release and vacuum relief valves in potable water applications. The valves shall be required to evacuate / vent air in a controlled manner during pipe filling, to purge air from pressurised pipelines, and to allow for the unrestricted intake of large amounts of air for vacuum relief. During high flow air release the valves shall restrict air release to alleviate pipeline surges.

The air valves shall be a Nuvent RPS1611 type or similar and shall have a threaded male inlet of 25mm (1").

All polyethylene with Nylon & EPDM Nozzle & Nozzle Seat, EPDM O-rings. Water Operating Pressure: 16 bar, Medium: Borehole Drinking Water with chlorine content < 0.5ppm; 1-inch male thread Bsp Connection. For the following functions:

- Air Release
- Air Intake
- Slow reaction
- Outside installation

3.8.2 Materials of Construction

Body:	Reinforced polypropylene
Cartridge assembly:	Polypropylene and other
O-ring:	Nitrile rubber
Control Float:	Polyethylene
Base:	Reinforced polypropylene

3.9 Pressure Gauges and Gauge Cocks

All pressure gauges shall have a solid baffle wall design which complies with **EN 837 – 1** safety regulations.

The **scale displays** of all pressure gauges must be **100mm in diameter.**

The accuracy class of all pressure gauges must be **1.0 (NS 100).**

The pressure gauges must withstand an **ambient temperature of -20 to + 60 ºC** and must be able to withstand **medium temperatures of up to 50 ºC.**

All pressure gauges must have an **Ingress Protection (IP)** of **65** as per **EN 60529.**

The pressure gauge window shall be **laminated safety glass.**

The process connection shall be a **Lower Mount (LM), ½" (15 mm) male type.**

All gauge cocks shall have process connection of **1/2" (15mm), one male and one female type.**

Initials…….

The gauge cocks must withstand an **ambient temperature of -18 to + 93 ºC** and must be able to withstand **medium temperatures of the same temperature range**.

The gauge cocks shall open or close satisfactorily under pressures of **20 bar.**

All gauge cocks shall have a **"Lever" handle**. "T" handles will not be accepted

3.10 Fasteners

The bolts to be of **grade 4.8** unless stated otherwise. All fasteners where applicable, shall be ISO metric according to SANS 1700. All bolts (full thread), nuts, threaded rods and washers shall be hot dip galvanized as per SANS ISO 1461: 1999. **Electroplated bolts, nuts and washers shall not be accepted.**

3.11 Gaskets

The gasket OD should be dictated by the flange specifications. The gaskets shall be of non-asbestos compressed fibre or graphite type. The gaskets shall be suitable for potable and raw water at temperatures from 0°C to 60°C. The gaskets shall have a thickness of 3mm.

Full faced gaskets will not be accepted.

3.12 Corrosion Protection

All steel surfaces shall be blast clean to SANS 10064 and the final finishing shall comply with S.I.S. 05 5900 grade Sa 2.5. before galvanizing or primer.

Unless otherwise stated, all pipe specials, flanges and flexible pipe coupling items shall be hot-dip galvanized to SANS ISO 1461:1999.

Note: The average galvanizing layer thickness shall not be less than 150 microns and the minimum thickness at any spot, not less than 100 microns.

3.13 Inspections

NamWater will inspect all items upon delivery to ascertain if dimensions, pressure flange rating and coating are correct. So NamWater will not send a technical person to go inspect the items at the factory, the onus thus rest with the supplier to ensure that all items are to specifications before delivery is made to NamWater.

Payment will only be made if all the delivered items are to specifications.

3.14 Labeling

The supplier may use the item numbers already allocated or an appropriate method consistent with the order of the item's numbers in this document.

3.15 After Sales Services

An authorised sales agent capable of replacing the offered items during the guarantee period must be located in Namibia. The sales agent must be able to replace failed offered items to NamWater Head office within 30 working days of receipt of request for such items.

3.16 Supporting Data

A bidder will be disqualified if the following information is not included with the offer:

- Technical Supporting information for Pipe Couplings
- Technical Supporting information for Check Valves
- Technical Supporting information for Gate Valve
- Technical Supporting information for Air Valve

SECTION V: SPECIFICATIONS AND COMPLIANCE SHEET

Bidders should complete column C with the specification offered. Attach detailed technical literature. Authorise the specification offered in the signature block below.

Item No	**Technical Specification Required**	**Compliance of Specification Offered**	**Details of Non-Compliance/ Deviation (if applicable)**
A*	***B****	***C***	***D***
1	**General Information**		
	All flanges, where applicable, conform to SANS 1123/1000/3	Yes/No	
	Steel pipes 300NB and smaller shall comply with the SANS 62 Medium specification	Yes/No	
	Suitable for drinking water?	Yes/No	
	Pipe wall thickness as specified	Yes/No	
	Klamflex dedicated flange adapters or similar, suitable for mild steel pipe according to SANS 719 outside diameters	Yes/No	
	Welding in accordance with SANS 10044 for steel fusion welding	Yes/No	
	Corrosion protection as specified	Yes/No	
	All steel surfaces shall be blasted clean to SABS 064 and the final finish shall comply with ISO 8501-1 grade Sa 2.5 before Coating	Yes/No	
	Hot-dip galvanized as per SANS 121: 2000	Yes/No	

	All steel welding shall be done in accordance SANS 10044 for Steel fusion welding	Yes/No	
	Welding done along all contact seams.	Yes/No	
	Suitable for potable and raw water at temperatures from 0°C to 60°C	Yes/No	
	3mm thickness Gaskets	Yes/No	
	Ring gasket (not full-face)	Yes/No	
	All fasteners where applicable, shall be ISO metric according to SANS 1700	Yes/No	
	All fasteners hot dip galvanized as per SANS 121: 2000	Yes/No	
2	**Pipework**		
	Average galvanizing layer thickness of 150microns and the minimum thickness at any spot not less than 100microns.	(Yes/No)	
	All SANS 1123/1000/3 flanged pipes conform to SABS 62 or SABS 719	(Yes/No)	
3	**Hot Dipped Galvanised Pipe Couplings**		
	Suitable for installation with restraining threaded bars?	Yes/No	
	Body and end rings are made of ductile iron or steel	Yes/No	
	Coating is hot dip galvanized to SABS ISO 1461:1999	Yes/No	

4	**Wafer and Flanged Check Valve**		
	The valves shall be NFS or DVGW or WRAS or ACS or KIWA or WaterMark^{TM} Schedule - Level 1 or SVGW certified / approved for drinking water.	Yes/No	
	The valves shall be certified to be in accordance with the European Pressure Equipment Directive 97/23/CE.	Yes/No	
	Non-return valves shall be of the axially opening radially guided type.	Yes/No	
	PN10 valves shall fit between flanges drilled to SANS1123/4000/3 respectively. The flanges shall be fitted in the two-hole-top orientation.	Yes/No	
	The valve shall be a SOCLA #882 model with a f-f of 106mm.	Yes/No	
	The valves shall be of wafer-type.	Yes/No	
	Valve casing shall be ductile cast iron.	Yes/No	
	Valve ring shall be bronze.	Yes/No	
	Valve guide shall be ductile cast iron.	Yes/No	
	Valve stems shall be bronze.	Yes/No	
	Valve springs shall be stainless steel 316.	Yes/No	
	Seals and O-rings shall be of EPDM.	Yes/No	
	Valve closing system shall be bronze.	Yes/No	
	All components other than stainless steel, brass or bronze components shall internally and externally epoxy or polyamide or polyurethane coated.	Yes/No	
	The valves shall have a critical / opening velocity of 1.5m/s or less.	Yes/No	

	The pressure drop across the valve at 1.5m/s shall be less than 1.5mWh.	Yes/No	
	Dimensional drawings of non-return valves shall be submitted.	Yes/No	
5	**Flanged Gate Valve**		
	The valves shall be NFS or DVGW or WRAS or ACS or KIWA or WaterMark^{TM} Schedule - Level 1 or SVGW certified / approved for drinking water.	Yes/No	
	Valves shall be internally and externally coated according to EN 14901 or GSK or AS/ZNS 4158 regulations / guidelines.	Yes/No	
	The valves shall be pressure tested in accordance with EN 12266 or ISO 5208	Yes/No	
	PN10 valves shall fit between flanges drilled to SANS1123/4000/3 respectively. The flanges shall be fitted in the two-hole-top orientation.	Yes/No	
	The valves shall be resilient seated in accordance with EN 1074.	Yes/No	
	The valves shall have face-to-face dimensions according to EN 558-1, basic series 15.	Yes/No	
	Valve bodies and bonnets shall be ductile cast iron.	Yes/No	
	Valve gates shall be EPDM vulcanised ductile cast iron.	Yes/No	
	Valve stems shall be stainless steel 420.	Yes/No	
	Stem nuts shall be of bronze or dezincification resistant brass	Yes/No	
	Seals and O-rings shall be of EPDM.	Yes/No	
	Internal and external fasteners shall be of stainless steel 304.	Yes/No	
	Dimensional drawings of all valves shall be submitted.	Yes/No	

6	**Double Flanged Butterfly Valves**		
	The valves shall be NFS or DVGW or WRAS or ACS or KIWA or WaterMark^{TM} Schedule - Level 1 or SVGW certified / approved for drinking water.	Yes/No	
	Valves shall be internally and externally coated according to EN 14901 or GSK or AS/ZNS 4158 regulations / guidelines.	Yes/No	
	The valves shall be pressure tested in accordance with EN 12266 or ISO 5208.	Yes/No	
	PN10 valves shall fit between flanges drilled to SANS1123/4000/3 respectively. The flanges shall be fitted in the two-hole-top orientation.	Yes/No	
	The valves shall have face-to-face dimensions according to EN 558-1, basic series 14.	Yes/No	
	All valves shall have gearbox mounting flanges in accordance with EN ISO 5210.	Yes/No	
	Valve bodies shall be ductile cast iron.	Yes/No	
	Valve disks shall be of ductile cast iron.	Yes/No	
	Valve shafts shall be stainless steel 420.	Yes/No	
	Seals and O-rings shall be of EPDM.	Yes/No	
	Internal and external fasteners shall be of stainless steel 304.	Yes/No	
	Torque requirements for bare shaft valves shall be supplied.	Yes/No	
	PN10 valves shall operate satisfactorily and reliably under a flow velocity of 4m/s respectively.	Yes/No	
	Dimensional drawings of all valves shall be submitted.	Yes/No	
7	**Butterfly Valve Gearboxes**		
	Only Rotork or Auma gearboxes will be accepted.	Yes/No	

	Mounting flange shall be in accordance with EN ISO 5211.	Yes/No	
	The gearbox shall be fitted with mechanical position indicator mounted on the valve stem to show the position of the valve.	Yes/No	
	The gearbox shall be sized such that no more than 200Nm torque be required at the hand wheel to open or close the valve at rated differential pressure across the valve.	Yes/No	
	Gearbox input and output torque rating supplied.	Yes/No	
	Coating specifications of the gearbox? Gearbox coatings shall be UV stable.	Yes/No	
	The gearbox enclosure shall have an Ingress Protection rating of IP67 as defined by EN 60529.	Yes/No	
	External and mounting fasteners shall be stainless steel 304 unless otherwise specified.	Yes/No	
	Standard gearbox corrosion protection shall be suitable for water works and general industrial applications.	Yes/No	
	Dimensional drawings of gearbox shall be submitted.	Yes/No	
8	**Air Valve**		
	Air release - vacuum relief type	Yes/No	
	Material Body is **Reinforced polypropylene**	Yes/No	
9	**Gauges**		
	Make is RHOMBERG, SCHAFFER DIAGARM or ASHCROFT	Yes/No	

Initials…….

	Solid Baffle wall design which complies to EN 837 – 1	Yes/No	
	Accuracy class of 1.0 (NS 100)	Yes/No	
	Ingress Protection (IP) of 65 as per EN 60529	Yes/No	
	The process connection shall be a Lower Mount (LM), ½" (15 mm) male type	Yes/No	
	The process connection shall be of Brass or Zinc-free bronze	Yes/No	
	The window shall be laminated safety glass	Yes/No	
	The case and bezel ring shall be of stainless steel CR13 or superior	Yes/No	
	The dial and pointer shall be according to ISO 6361-3/4:2014 – White background, black lettering	Yes/No	
	The unit shall be glycerine filled	Yes/No	
	All gauge cocks: The process connections shall be 1/2" (15mm), one male and one female	Yes/No	
	All gauge cocks shall have a "Lever" handle. "T" handles will not be accepted	Yes/No	
	All gauge cocks: Body and stem shall be brass	Yes/No	
	All gauge cocks: The handle shall be of polymer and brass	Yes/No	

All bids shall be accompanied with detailed supporting literature for all couplings to enable Namwater to evaluate the conformity to specification and include additional features.

Offers with insufficient details or information will not be considered.

NOTE:

Offers will be disqualified if this information is not included in the tender documents. Only original documentation is acceptable and faxed copies of literature are unacceptable. Information supplied in an electronic format will be accepted if in PDF format on a CD.

Specifications and Compliance Sheet Authorised By:

Name:		Signature:	
Position:		Date:	
Authorised for and on behalf of:		Company	

SECTION VI: GENERAL CONDITIONS OF CONTRACT AND CONTRACT AGREEMENT

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Goods (Ref. **G/RFQ-GCC**) available at Namibia Water Corporation Ltd., physical address, 176 Iscor Street, Aigams Building, Windhoek, except where modified by the Special Conditions below

SECTION VI: CONTRACT AGREEMENT

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Goods except where modified by the Special Conditions below.

SECTION VII: SPECIAL CONDITIONS OF CONTRACT

Procurement Reference Number: **G/RFQ/NW-071/2025**

The clause numbers given in the first column correspond to the relevant clause number of the GCC.

Subject and GCC clause reference	**Special Conditions**
Site **GCC 1.1(m)**	The Site/final destination for delivery of the Goods is **176 Iscor Street NamWater at the Aigams Building, Northern Industrial Area in Windhoek**
Incoterms Edition **GCC 4.2(b)**	Incoterms shall be governed by the rules prescribed in Incoterms 2010.
Notices **GCC 8.1**	Any notice shall be sent to the following addresses: For NamWater Ltd the address and the contact name shall be: Procurement Management Unit (Tel: +264 61 71 2015), E-mail: bids@namwater.com.na Private Bag 13389 Windhoek, Namibia For the Supplier, the address and contact name shall be: _____
Delivery and Documents **GCC 13.1**	The Goods are to be delivered within **8-12 Weeks** from the date of Purchase Order or Letter of Acceptance. The documents to be furnished by the Supplier are: (a) signed delivery note; (b) invoice

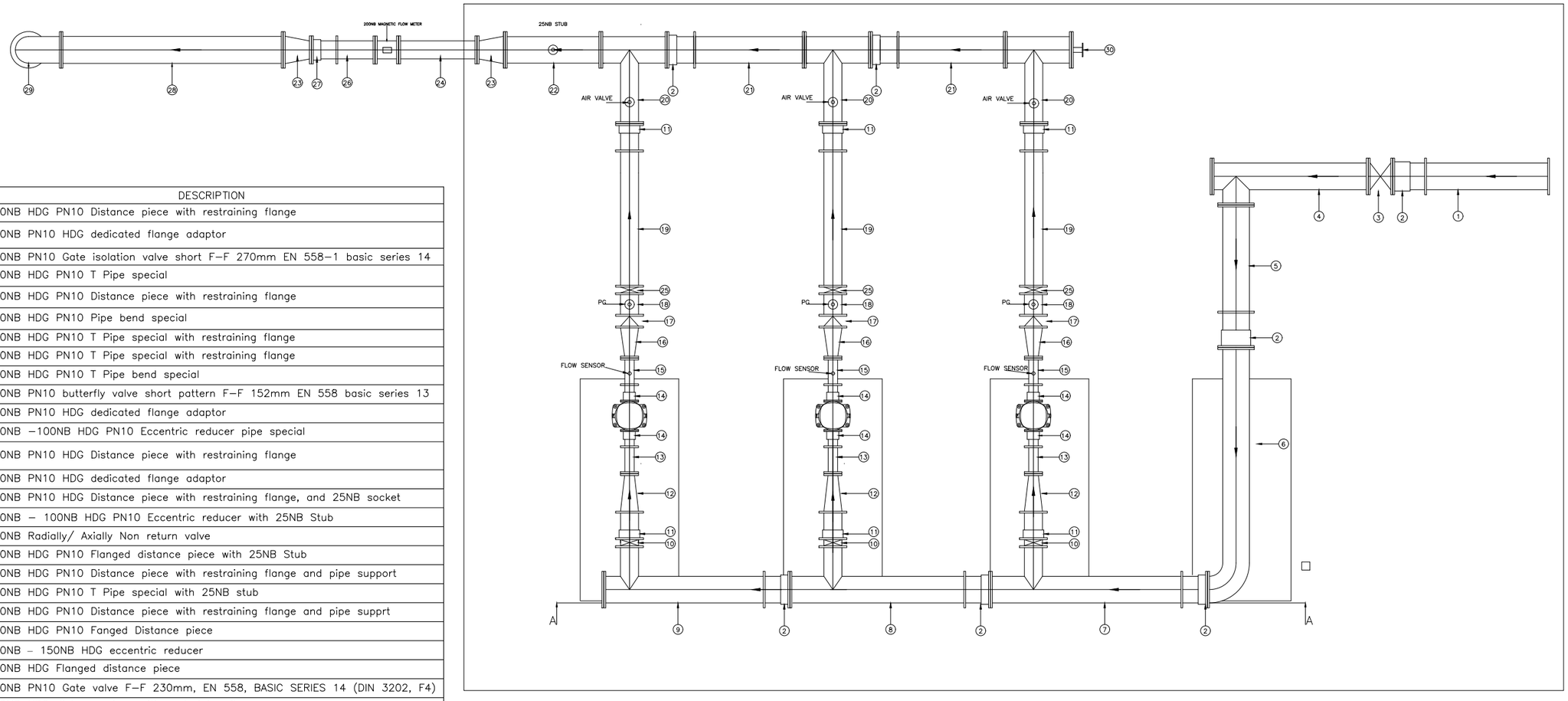
Subject and GCC clause reference	Special Conditions
Terms of Payment GCC 16.1	The structure of payments shall be: full payment following delivery of the Supplies and submission of an invoice and the documents listed in clause 13.1
Terms of Payment GCC 16.3	Payments shall be made not later than thirty days after submission of an invoice and its certification by the Purchaser. Payment will only be made if all the delivered items are to specifications
Terms of Payment GCC 16.4	The currency of payment shall be the currency of order specified in the List of Goods, Price Schedule and Product details in the Statement of Requirements.
Transportation GCC 25	The Goods shall be delivered: **Delivery Duty Paid (DDP)**
Inspection and Tests GCC 26.	NamWater will inspect all items upon delivery to ascertain if goods conform to specifications. Payment will only be made if all the delivered items are to specifications.
Liquidated Damages GCC 27	Liquidated damages for the whole contract are 0.5% per day. The maximum amount of liquidated damages for the whole contract is 10% of the final contract price.
Warranty GCC 28.3	The period of validity of the warranty shall be: **as per manufacturer specifications**
Repair and Replacement GCC 28.5	The period for repair or replacement shall be : **3 weeks**

SCHEDULE 3: QUOTATION CHECKLIST SCHEDULE

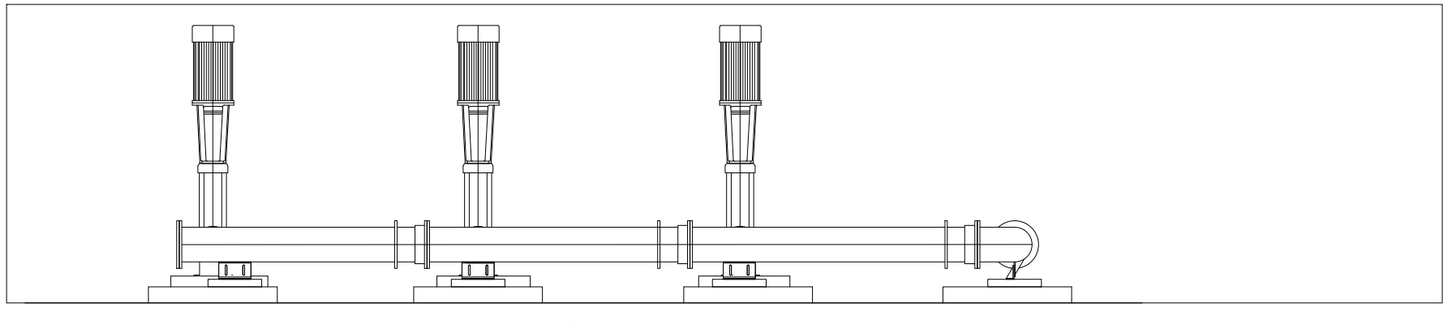
Procurement Reference No.: G/RFQ/NW-071/2025

Description	Attached	Not Attached
List of Goods and Price Schedule		
Specification and Compliance Sheet		
Evidences for conformity of Goods		
Valid company Registration Certificate Copy from **Ministry of Trade and Industry**		
Original valid good standing Tax Certificate from **Inland Revenue**		
Original valid good Standing Certificate from **Social Security Commission**		
Valid Affirmative Action Compliance Certificate, proof from **Employment Equity Commissioner** that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998;		
Supporting Literature (where Applicable)		

Disclaimer: *The list defined above is meant to assist the Bidder in submitting the relevant documents and shall not be a ground for the bidder to justify its non-submission of major documents for its quotation to be responsive. The onus remains on the Bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive.*



#	QTY	DESCRIPTION
1	1	300NB HDG PN10 Distance piece with restraining flange
2	7	300NB PN10 HDG dedicated flange adaptor
3	1	300NB PN10 Gate isolation valve short F–F 270mm EN 558–1 basic series 14
4	1	300NB HDG PN10 T Pipe special
5	1	300NB HDG PN10 Distance piece with restraining flange
6	1	300NB HDG PN10 Pipe bend special
7	1	300NB HDG PN10 T Pipe special with restraining flange
8	1	300NB HDG PN10 T Pipe special with restraining flange
9	1	300NB HDG PN10 T Pipe bend special
10	6	200NB PN10 butterfly valve short pattern F–F 152mm EN 558 basic series 13
11	6	200NB PN10 HDG dedicated flange adaptor
12	3	200NB –100NB HDG PN10 Eccentric reducer pipe special
13	3	100NB PN10 HDG Distance piece with restraining flange
14	6	100NB PN10 HDG dedicated flange adaptor
15	3	100NB PN10 HDG Distance piece with restraining flange, and 25NB socket
16	3	200NB – 100NB HDG PN10 Eccentric reducer with 25NB Stub
17	3	200NB Radially/ Axially Non return valve
18	3	200NB HDG PN10 Flanged distance piece with 25NB Stub
19	3	200NB HDG PN10 Distance piece with restraining flange and pipe support
20	3	300NB HDG PN10 T Pipe special with 25NB stub
21	2	300NB HDG PN10 Distance piece with restraining flange and pipe supprt
22	1	300NB HDG PN10 Fanged Distance piece
23	2	300NB – 150NB HDG eccentric reducer
24	2	150NB HDG Flanged distance piece
25	1	200NB PN10 Gate valve F–F 230mm, EN 558, BASIC SERIES 14 (DIN 3202, F4)
26	1	150NB HDG distance piece with restraining flange
27	1	150NB HDG dedicade flange adaptor
28	1	300NB HDG distance piece
29	1	300NB Pipe Bend
30	1	300NB PN10 Blank flange with a 50NB stub
31	1	50NB PN10 Distance piece with restraining flange
32	3	300NB PN10 Blank flange
33	10	50NB PN10 blank flange with 25NB stub



SECTION A–A

SCALE 1:30

NOTES :

MANUFACTURING INSTRUCTIONS

1. ALL FLANGES (INCLUDING RESTRAINING FLANGES) SHALL COMPLY WITH SANS 1123–1000/3 EXCEPT IF SPECIFIED OTHERWISE. ALL FLANGES TO BE FITTED TWO–HOLE–TOP.

2. ALL PIPE WORK 50–150 NB SHALL COMPLY TO SANS 62–MEDIUM PIPE WORK 200 NB AND LARGER SHALL COMPLY WITH SABS 719 GRADE B WITH WALL THICKNESS SUITABLE FOR THE RATED FLANGE OR MINIMUM 10 BAR.

3. DIAMETER TO FIT THE RESPECTIVE FLANGE ADAPTORS:

NB	PIPE OD
50	60,3
80	88,9
100	114,1
150	168,3
200	219,1

4. ALL PIPE WORK AND STEEL SURFACES SHALL BE HOT DIPPED GALVANISED AND COMPLY TO SANS ISO 1461:1999

4.1 ALL STEEL SURFACES SHALL BE BLAST CLEAN TO SABS 064 AND THE FINAL FINISH SHALL COMPLY WITH S.I.S. 05 5900 GRADE Sa 2.5. BEFORE GALVANISING.

INSTALLATION INSTRUCTIONS

1. GAP SETTINGS FOR FLANGE ADAPTORS AND PIPE COUPLINGS SHALL BE SET TO 15 mm FOR SIZES UP TO 300 NB

NO.	AMENDMENTS	DATE	BY
2			
1			

Namibia Water Corporation Ltd

SCHEME
OKAHAO CRITICAL PS

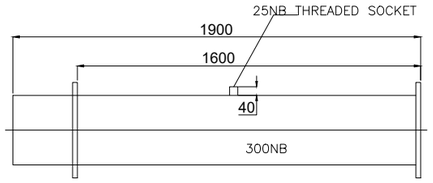
DRAWING
OKAHAO-TSANDI PS PIPE ASSEMBLY

SURVEYED	DRAWN	TRACED
	A	AUTOCAD
DESIGNED CIVIL	DESIGNED ELEC.	DESIGNED MECH.
		E. SHITAATALA
CHECKED CIVIL	CHECKED ELEC.	CHECKED MECH.
		A
APPROVED CIVIL	APPROVED ELEC.	APPROVED MECH.

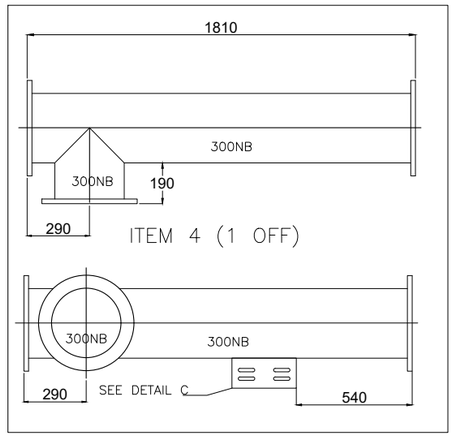
CHIEF ENGINEERING AND SCIENTIFIC SERVICES

DATE	SCALE	SHEET NO.
04/2025	1:1	1 OF 6

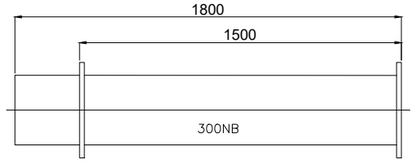
REGISTRATION NO.
14/XX/X/X–XXX RX



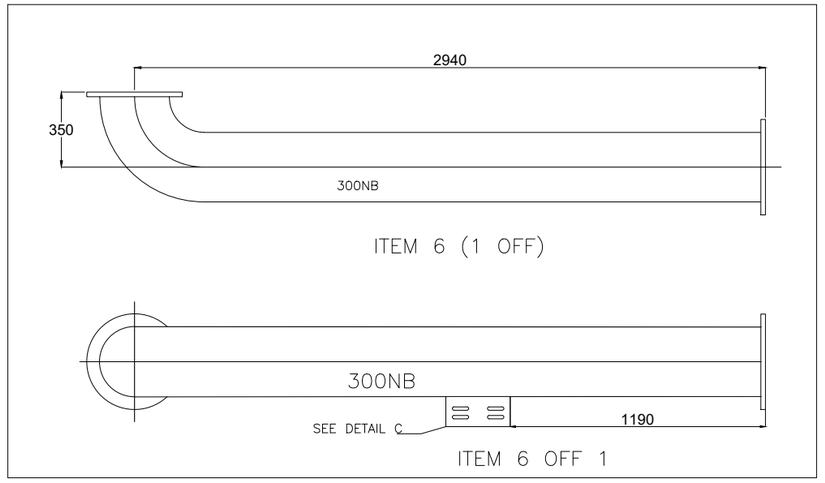
ITEM 1 (1 OFF)



ITEM 4 (1 OFF)

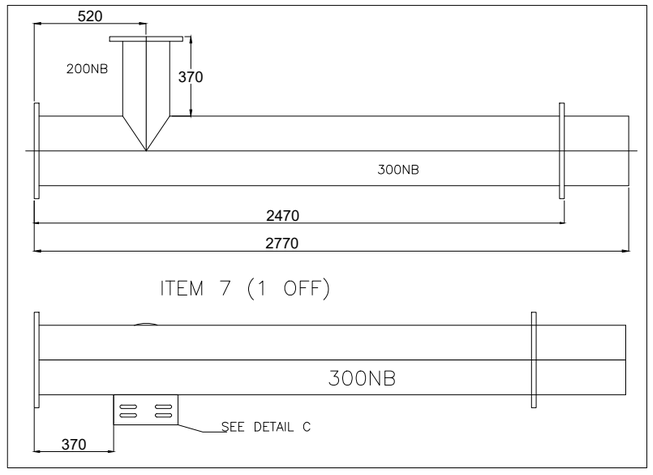


ITEM 5 (1 OFF)

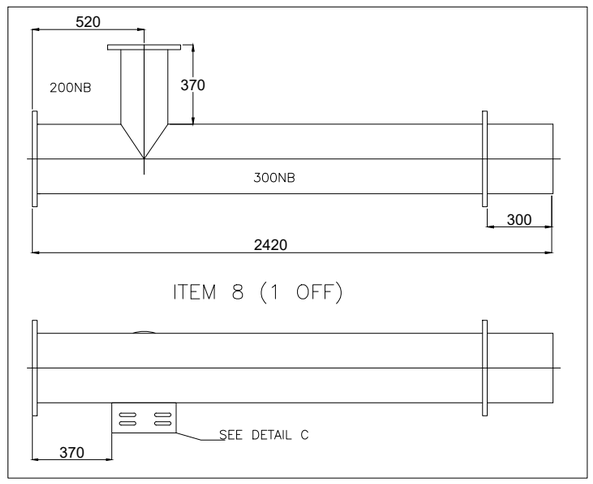


ITEM 6 (1 OFF)

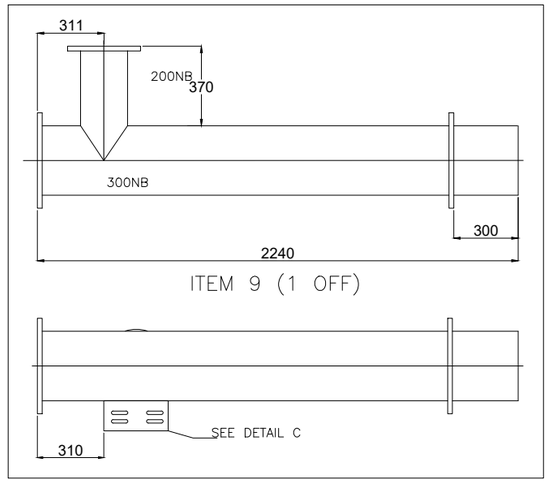
ITEM 6 OFF 1



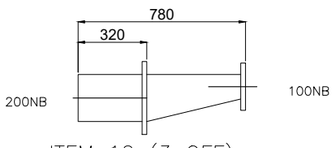
ITEM 7 (1 OFF)



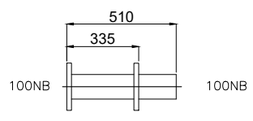
ITEM 8 (1 OFF)



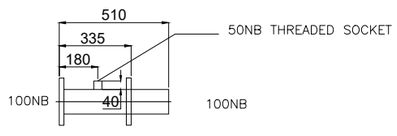
ITEM 9 (1 OFF)



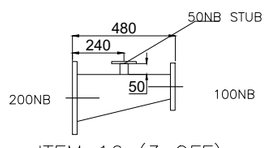
ITEM 12 (3 OFF)



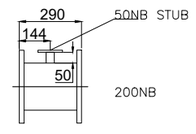
ITEM 13 (3 OFF)



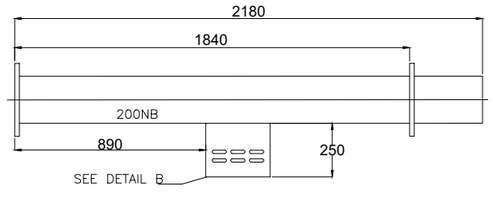
ITEM 15 (3 OFF)



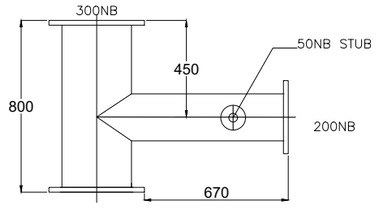
ITEM 16 (3 OFF)



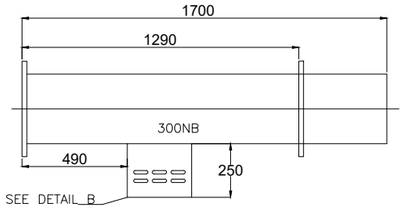
ITEM 18 (3 OFF)



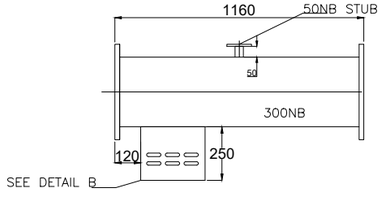
ITEM 19 (3 OFF)



ITEM 20 (3 OFF)



ITEM 21 (2 OFF)



ITEM 22 (1 OFF)

SCALE 1:15

NOTES :

MANUFACTURING INSTRUCTIONS

1. ALL FLANGES (INCLUDING RESTRAINING FLANGES) SHALL COMPLY WITH SANS 1123-1000/3 EXCEPT IF SPECIFIED OTHERWISE. ALL FLANGES TO BE FITTED TWO-HOLE-TOP.

2. ALL PIPE WORK 50-150 NB SHALL COMPLY TO SANS 62-MEDIUM PIPE WORK 200 NB AND LARGER SHALL COMPLY WITH SABS 719 GRADE B WITH WALL THICKNESS SUITABLE FOR THE RATED FLANGE OR MINIMUM 10 BAR.

3. DIAMETER TO FIT THE RESPECTIVE FLANGE ADAPTORS:

NB	PIPE OD
50	60,3
80	88,9
100	114,1
150	168,3
200	219,1

4. ALL PIPE WORK AND STEEL SURFACES SHALL BE HOT DIPPED GALVANISED AND COMPLY TO SANS ISO 1461:1999

4.1 ALL STEEL SURFACES SHALL BE BLAST CLEAN TO SABS 064 AND THE FINAL FINISH SHALL COMPLY WITH S.I.S. 05 5900 GRADE Sa 2.5. BEFORE GALVANISING.

INSTALLATION INSTRUCTIONS

1. GAP SETTINGS FOR FLANGE ADAPTORS AND PIPE COUPLINGS SHALL BE SET TO 15 mm FOR SIZES UP TO 300 NB

NO.	AMENDMENTS	DATE	BY
2 1			

Namibia Water Corporation Ltd

SCHEME
OKAHAO TSANDI CRITICAL PUMP STATION

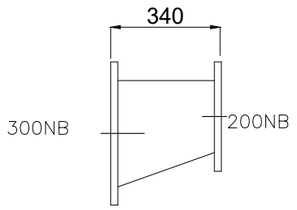
DRAWING
BOOSTER STATION PIPE WORK DETAIL

SURVEYED	DRAWN ELIASER SHITAATALA	TRACED AUTOCAD
DESIGNED CIVIL	DESIGNED ELEC.	DESIGNED MECH. E. SHITAATALA
CHECKED CIVIL	CHECKED ELEC.	CHECKED MECH.
APPROVED CIVIL	APPROVED ELEC.	APPROVED MECH.

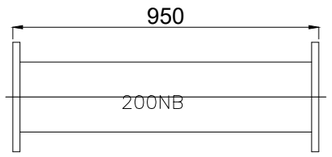
CHIEF ENGINEERING AND SCIENTIFIC SERVICES

DATE	SCALE	SHEET NO.
04/2025	1:1	2 OF 6

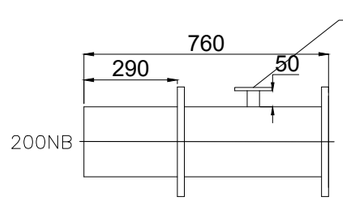
REGISTRATION NO.
14/XX/X/X-XXX RX



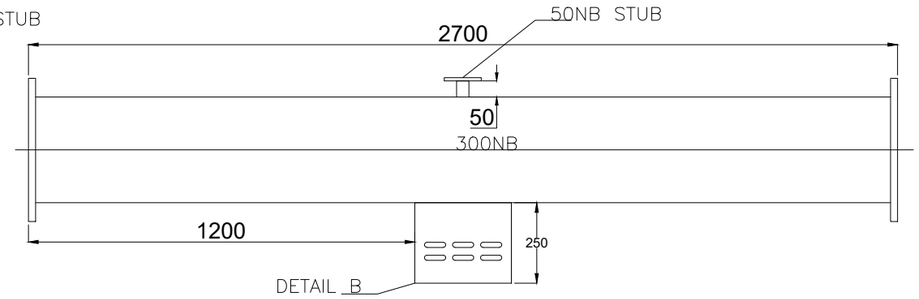
ITEM 23 (2 OFF)



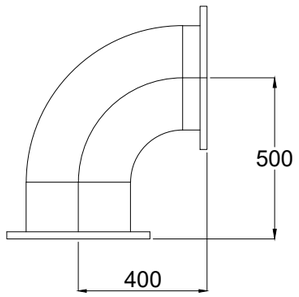
ITEM 24 (1 OFF)



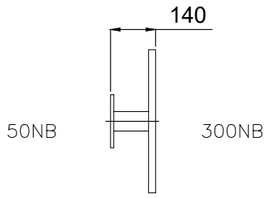
ITEM 26 (1 OFF)



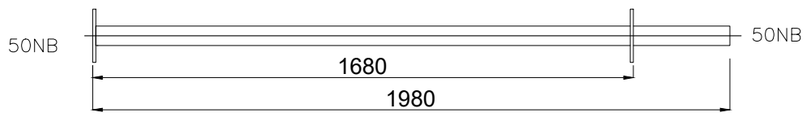
ITEM 28 (1 OFF)



ITEM 29 (1 OFF)



ITEM 30 (1 OFF)

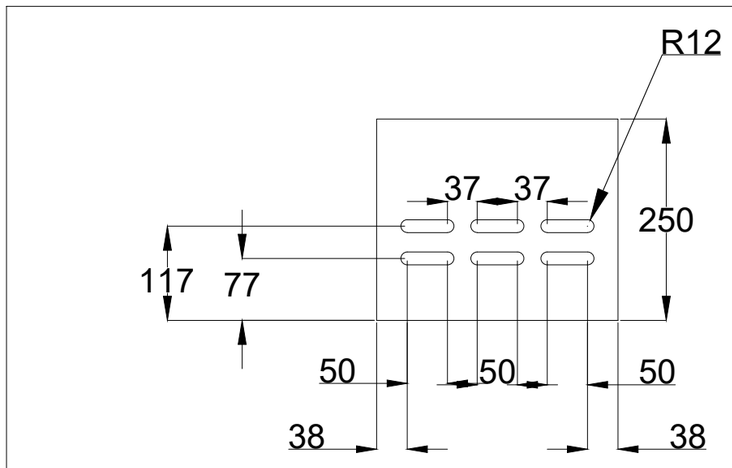


NOT SHOWN ON ASSEMBLY

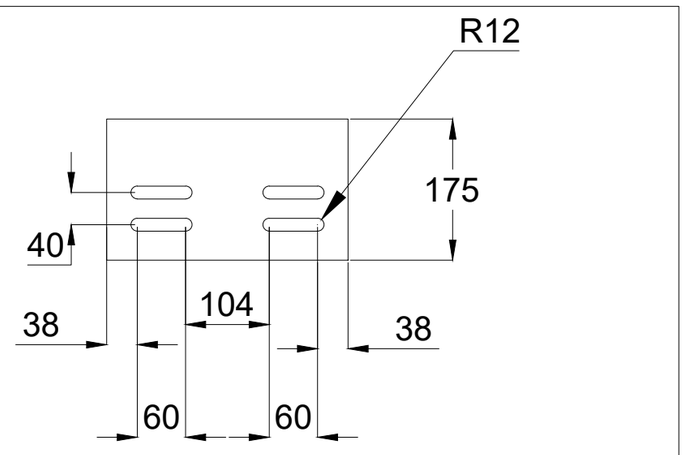
ITEM 31 (1 OFF)

ITEM 33 (10 OFF)

SCALE 1:10



DETAIL B



DETAIL C

SCALE 1:4

NOTES :

MANUFACTURING INSTRUCTIONS

1. ALL FLANGES (INCLUDING RESTRAINING FLANGES) SHALL COMPLY WITH SANS 1123-1000/3 EXCEPT IF SPECIFIED OTHERWISE. ALL FLANGES TO BE FITTED TWO-HOLE-TOP.

2. ALL PIPE WORK 50-150 NB SHALL COMPLY TO SANS 62-MEDIUM PIPE WORK 200 NB AND LARGER SHALL COMPLY WITH SABS 719 GRADE B WITH WALL THICKNESS SUITABLE FOR THE RATED FLANGE OR MINIMUM 10 BAR.

3. DIAMETER TO FIT THE RESPECTIVE FLANGE ADAPTORS:

NB	PIPE OD
50	60,3
80	88,9
100	114,1
150	168,3
200	219,1

4. ALL PIPE WORK AND STEEL SURFACES SHALL BE HOT DIPPED GALVANISED AND COMPLY TO SANS ISO 1461:1999

4.1 ALL STEEL SURFACES SHALL BE BLAST CLEAN TO SABS 064 AND THE FINAL FINISH SHALL COMPLY WITH S.I.S. 05 5900 GRADE Sa 2.5. BEFORE GALVANISING.

INSTALLATION INSTRUCTIONS

1. GAP SETTINGS FOR FLANGE ADAPTORS AND PIPE COUPLINGS SHALL BE SET TO 15 mm FOR SIZES UP TO 300 NB

NO.	AMENDMENTS	DATE	BY
2			
1			

Namibia Water Corporation Ltd

SCHEME

OKAHAO TSANDI CRITICAL PUMP STATION

DRAWING

BOOSTER STATION PIPE WORK DETAIL

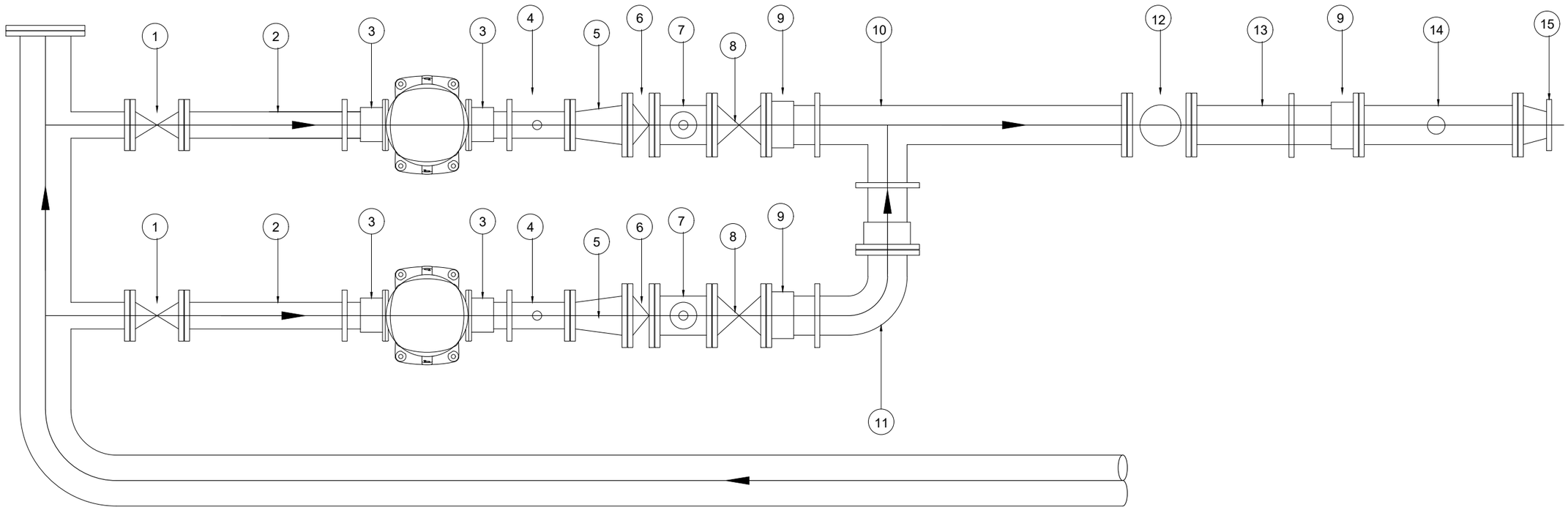
SURVEYED	DRAWN E SHITAATALA	TRACED AUTOCAD
DESIGNED CIVIL	DESIGNED ELEC.	DESIGNED MECH. E SHITAATALA
CHECKED CIVIL	CHECKED ELEC.	CHECKED MECH. A
APPROVED CIVIL	APPROVED ELEC.	APPROVED MECH.

CHIEF ENGINEERING AND SCIENTIFIC SERVICES

DATE	SCALE	SHEET NO.
04/2025	1:1	3 OF 6

REGISTRATION NO.

14/XX/X/X-XXX RX



#	QTY	DESCRIPTION
1	2	100NB PN10 Gate isolation valve short F–F 190mm EN 558–1 basic series 14
2	2	100NB PN10 HDG Distance piece with restraining flange
3	4	100NB PN10 HDG dedicated flange adaptor
4	2	100NB PN10 HDG Distance piece with restraining flange, 25NB Socket
5	2	100NB – 150NB PN10 HDG concentric reducer
6	2	150NB PN10 Radially/axially non return valve
7	2	150NB PN10 HDG flanged distance piece with 25NB stub
8	2	150NB PN10 Gate isolation valve short F–F 230mm EN 558–1 basic series 14
9	4	150NB PN10 HDG dedicated flange adaptor
10	1	150NB PN10 HDG T piece pipe special with restraining flanges
11	1	150NB PN10 HDG pipe bend with retraining flange
12	1	150NB Magnetic flow meter
13	1	150NB PN10 HDG Distance piece with restraining flange
14	1	150NB PN10 HDG Gooseneck with 25NB stub
15	1	150NB – 100NB HDG concentric reducer

NOTES :

MANUFACTURING INSTRUCTIONS

1. ALL FLANGES (INCLUDING RESTRAINING FLANGES) SHALL COMPLY WITH SANS 1123–1000/3 EXCEPT IF SPECIFIED OTHERWISE. ALL FLANGES TO BE FITTED TWO–HOLE–TOP.

2. ALL PIPE WORK 50–150 NB SHALL COMPLY TO SANS 62–MEDIUM PIPE WORK 200 NB AND LARGER SHALL COMPLY WITH SABS 719 GRADE B WITH WALL THICKNESS SUITABLE FOR THE RATED FLANGE OR MINIMUM 10 BAR.

3. DIAMETER TO FIT THE RESPECTIVE FLANGE ADAPTORS:

NB	PIPE OD
50	60,3
80	88,9
100	114,1
150	168,3
200	219,1

4. ALL PIPE WORK AND STEEL SURFACES SHALL BE HOT DIPPED GALVANISED AND COMPLY TO SANS ISO 1461:1999

4.1 ALL STEEL SURFACES SHALL BE BLAST CLEAN TO SABS 064 AND THE FINAL FINISH SHALL COMPLY WITH S.I.S. 05 5900 GRADE Sa 2.5. BEFORE GALVANISING.

INSTALLATION INSTRUCTIONS

1. GAP SETTINGS FOR FLANGE ADAPTORS AND PIPE COUPLINGS SHALL BE SET TO 15 mm FOR SIZES UP TO 300 NB

NO.	AMENDMENTS	DATE	BY
2			
1			

NAMWATER
Namibia Water Corporation Ltd

SCHEME
OKAHAO RURAL CRITICAL PUMP STATION

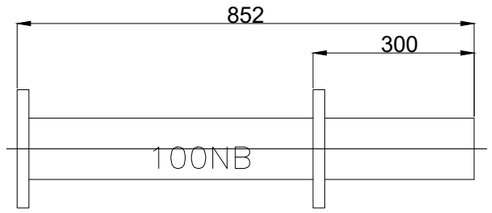
DRAWING
PIPE ASSEMBLY

SURVEYED	DRAWN E SHITAATALA	TRACED AUTOCAD
DESIGNED CIVIL	DESIGNED ELEC.	DESIGNED MECH. E SHITAATALA
CHECKED CIVIL	CHECKED ELEC.	CHECKED MECH. N
APPROVED CIVIL	APPROVED ELEC.	APPROVED MECH.

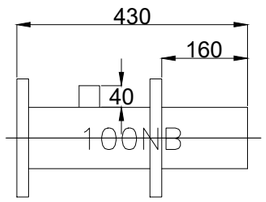
CHIEF ENGINEERING AND SCIENTIFIC SERVICES

DATE	SCALE	SHEET NO.
04/2025	AS SHOWN	4 OF 6

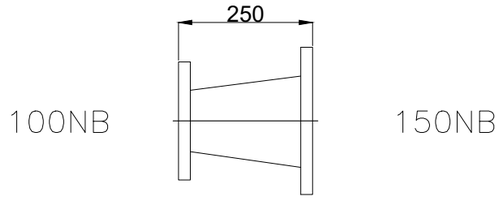
REGISTRATION NO.
14/XX/X/X–XXX RX



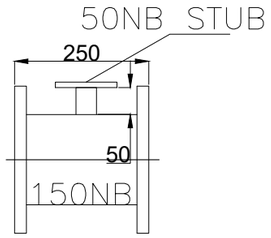
ITEM 2 (2 OFF)



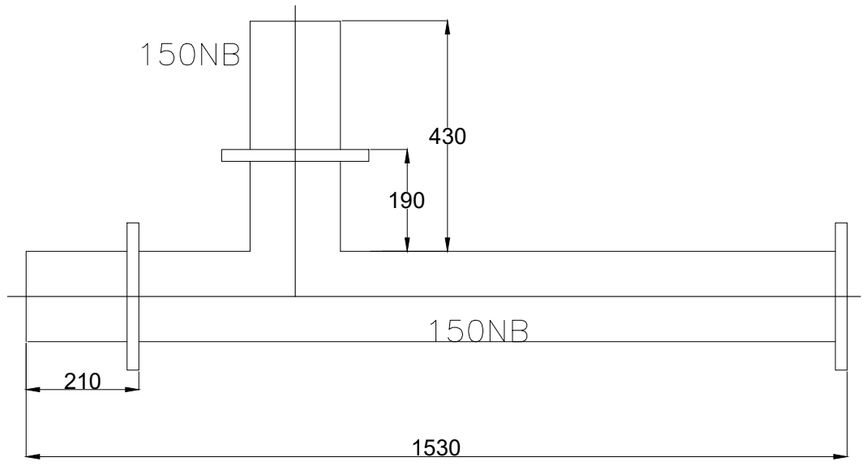
ITEM 4 (2 OFF)



ITEM 5 (2 OFF)

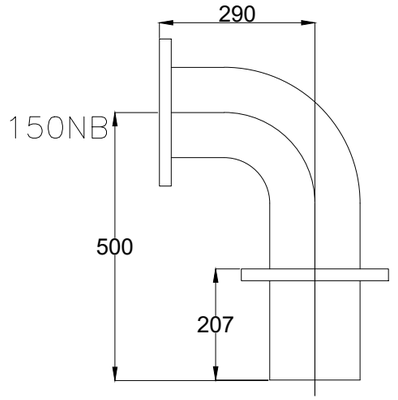


ITEM 7 (2 OFF)

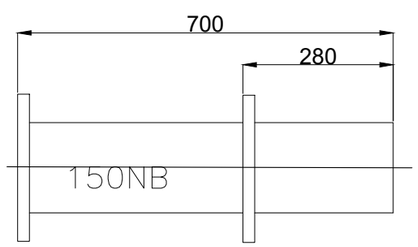


SCALE 1:6

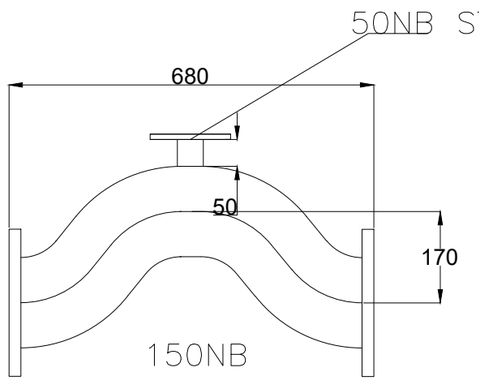
ITEM 10 (1 OFF)



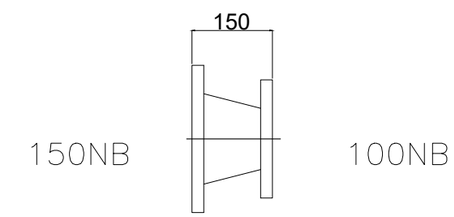
ITEM 11 (1 OFF)



ITEM 13 (1 OFF)



ITEM 14 (1 OFF)



ITEM 15 (1 OFF)

SCALE 1:6

NOTES :

MANUFACTURING INSTRUCTIONS

1. ALL FLANGES (INCLUDING RESTRAINING FLANGES) SHALL COMPLY WITH SANS 1123-1000/3 EXCEPT IF SPECIFIED OTHERWISE. ALL FLANGES TO BE FITTED TWO-HOLE-TOP.

2. ALL PIPE WORK 50-150 NB SHALL COMPLY TO SANS 62-MEDIUM PIPE WORK 200 NB AND LARGER SHALL COMPLY WITH SABS 719 GRADE B WITH WALL THICKNESS SUITABLE FOR THE RATED FLANGE OR MINIMUM 10 BAR.

3. DIAMETER TO FIT THE RESPECTIVE FLANGE ADAPTORS:

NB	PIPE OD
50	60,3
80	88,9
100	114,1
150	168,3
200	219,1

4. ALL PIPE WORK AND STEEL SURFACES SHALL BE HOT DIPPED GALVANISED AND COMPLY TO SANS ISO 1461:1999

4.1 ALL STEEL SURFACES SHALL BE BLAST CLEAN TO SABS 064 AND THE FINAL FINISH SHALL COMPLY WITH S.I.S. 05 5900 GRADE Sa 2.5. BEFORE GALVANISING.

INSTALLATION INSTRUCTIONS

1. GAP SETTINGS FOR FLANGE ADAPTORS AND PIPE COUPLINGS SHALL BE SET TO 15 mm FOR SIZES UP TO 300 NB

NO.	AMENDMENTS	DATE	BY
2 1			

NAMWATER
Namibia Water Corporation Ltd

SCHEME
OKAHAO RURAL CRITICAL PUMP STATION

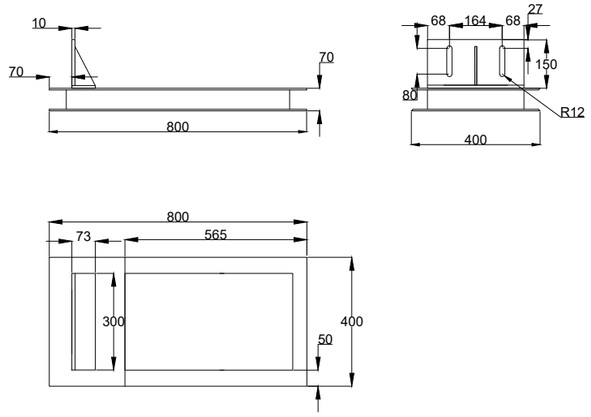
DRAWING
PIPE WORK DETAILS

SURVEYED	DRAWN E SHITAATALA	TRACED AUTOCAD
DESIGNED CIVIL	DESIGNED ELEC.	DESIGNED MECH. E SHITAATALA
CHECKED CIVIL	CHECKED ELEC.	CHECKED MECH. N
APPROVED CIVIL	APPROVED ELEC.	APPROVED MECH.

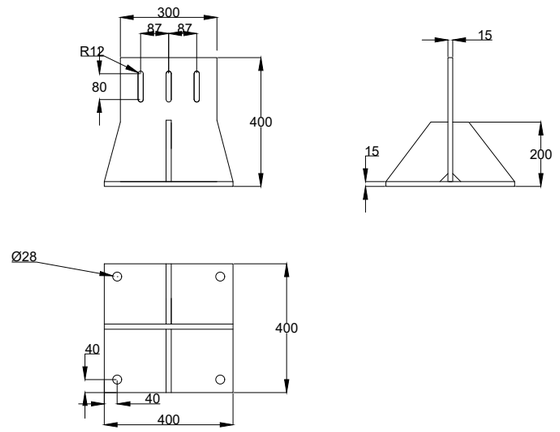
CHIEF ENGINEERING AND SCIENTIFIC SERVICES

DATE	SCALE	SHEET NO.
04/2025	AS SHOWN	5 OF 6

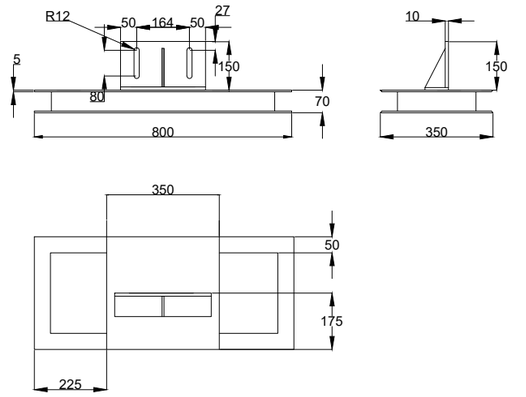
REGISTRATION NO.
14/XX/X/X-XXX RX



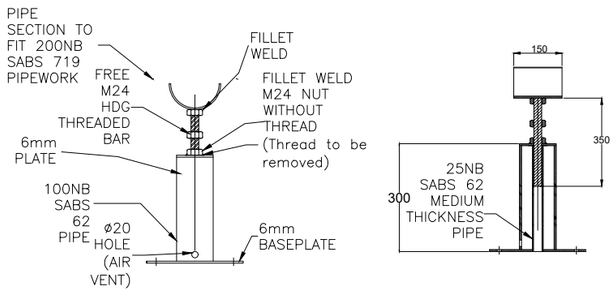
ITEM 1 (3 OFF)



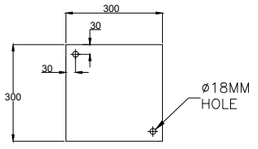
ITEM 2 (10 OFF)



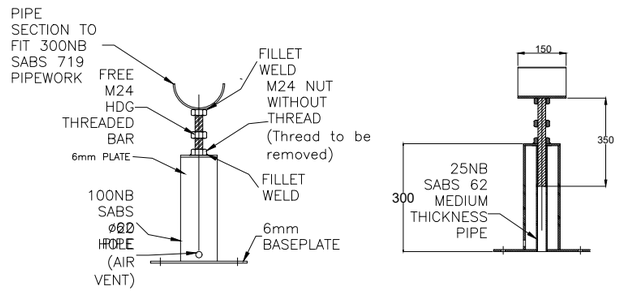
ITEM 3 (1 OFF)



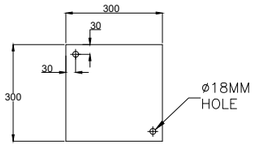
BOTTOM VIEW



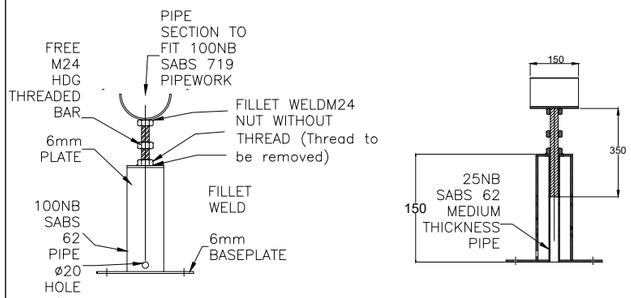
ITEM 4 (3 OFF)



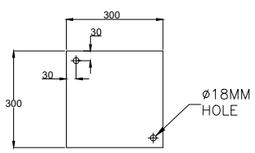
BOTTOM VIEW



ITEM 5 (3 OFF)



BOTTOM VIEW



ITEM 6 (3 OFF)

SCALE 1:10

NOTES :

MANUFACTURING INSTRUCTIONS

1. ALL FLANGES (INCLUDING RESTRAINING FLANGES) SHALL COMPLY WITH SANS 1123-1000/3 EXCEPT IF SPECIFIED OTHERWISE. ALL FLANGES TO BE FITTED TWO-HOLE-TOP.

2. ALL PIPE WORK 50-150 NB SHALL COMPLY TO SANS 62-MEDIUM PIPE WORK 200 NB AND LARGER SHALL COMPLY WITH SABS 719 GRADE B WITH WALL THICKNESS SUITABLE FOR THE RATED FLANGE OR MINIMUM 10 BAR.

3. DIAMETER TO FIT THE RESPECTIVE FLANGE ADAPTORS:

NB	PIPE OD
50	60,3
80	88,9
100	114,1
150	168,3
200	219,1

4. ALL PIPE WORK AND STEEL SURFACES SHALL BE HOT DIPPED GALVANISED AND COMPLY TO SANS ISO 1461:1999

4.1 ALL STEEL SURFACES SHALL BE BLAST CLEAN TO SABS 064 AND THE FINAL FINISH SHALL COMPLY WITH S.I.S. 05 5900 GRADE Sa 2.5. BEFORE GALVANISING.

INSTALLATION INSTRUCTIONS

1. GAP SETTINGS FOR FLANGE ADAPTORS AND PIPE COUPLINGS SHALL BE SET TO 15 mm FOR SIZES UP TO 300 NB

NO.	AMENDMENTS	DATE	BY
2			
1			

Namibia Water Corporation Ltd

SCHEME
OKAHAO-TSANDI-RURAL CRITICAL PS

DRAWING
BASEFRAMES & PIPE SUPPORT

SURVEYED	DRAWN A	TRACED AUTOCAD
DESIGNED CIVIL	DESIGNED ELEC.	DESIGNED MECH. E SHITAATALA
CHECKED CIVIL	CHECKED ELEC.	CHECKED MECH. A
APPROVED CIVIL	APPROVED ELEC.	APPROVED MECH.

CHIEF ENGINEERING AND SCIENTIFIC SERVICES

DATE	SCALE	SHEET NO.
04/2025	1:1	6 OF 6

REGISTRATION NO.
14/XX/X/X-XXX RX

NAMWATER
Namibia Water Corporation Ltd

Our Ref.:
G/RFQ/NW-
071/2025

Enquiries: Procurement Management Unit

Telephone: +264 61 71 2015
E-mail: bids@namwater.com.na

28 April 2025

NOTICE TO BIDDERS – No 1

PROCUREMENT REFERENCE NUMBER: G/RFQ/NW-071/2025

SUPPLY AND DELIVERY OF PIPEWORK, VALVES, COUPLINGS AND FASTENERS FOR OKAHAO-TSANDI-RURAL CRITICAL PUMP STATION.

Dear Bidders,

In accordance with Instruction to Bidders 8 **(Clarification of bidding Documents)** and 9 **(Amendment of Bidding Documents)** of the Bidding Document the Employer will respond in writing to any request for clarification, and should the Employer deem it necessary to amend the Bidding Document as a result of a request for clarification, it shall do so.

This notice to bidders form an integral part of the bidding documents and must be attached to the offer upon submission.

Bid Administration
Namibia Water Corporation Ltd
Private Bag 13389, Windhoek
2025 -04- 28
Website: www.namwater.com.na

1. QUERIES

Technical enquiries on Annexure 1.

Yours sincerely,

Ms. Puje Katjivena
HEAD: SUPPLY CHAIN MANAGEMENT

NAMWATER
Namibia Water Corporation Ltd

Date: Monday, April 28, 2025

NOTICE TO BIDDERS – No 1

PROCUREMENT REFERENCE NUMBER: G/RFQ/NW-071/2025

SUPPLY AND DELIVERY OF PIPEWORK, VALVES, COUPLINGS AND FASTENERS FOR OKAHAO-TSANDI-RURAL CRITICAL PUMP STATION.

Water Pump StationACKNOWLEDGEMENT OF RECEIPT

CONFIRMATION

I, ... of .....

Hereby confirm receipt of the Notice to Bidders – No 1

Signed at ..... On this Day .....

.....
On behalf of the Bidder

ANNEXURE 1- CLARIFICATION REQUEST

CLARIFICATION REQUEST		
QUESTION NO	BIDDER QUESTION	NAMWATER RESPONSE
1.	Please confirm: Schedule of Quantities Section: 2 Valves & Couplings A 6 The description in the schedule of quantities refers to a radial/axial guided NRV 6. | 200NB PN10 Radial/ axial Guided non return valve | 3 B6 The description in the schedule of quantities refer to a NRV only 6 | 150NB PN10 non return valves | 2 | 1 Section IV: Specifications Item 3.4 refers to a wafer diaphragm type NRV Item 3.5 refers to a flanged radially guided NRV. Section V: Specifications Section 4 refers to a SOCLA #882 model with a 106mm f/f. Only the DN150 has a f/f of 106mm. The DN200 has a f/f of 140mm. The SOCLA #882 is a WAFER axial radial guided NRV. Please confirm which type NRV is required: A6 = SOCLA #882 DN200 PN25/40 B6 = SOCLA #882 DN150 PN40	The bidder should note the following: The pricing schedule section 2 does not have item 6 as a 200NB PN10 Radial/ axially guided non return. Also, item A 6 are M20x190 HDG bolts. The 200NB PN10 Radial/ axially guided valve can be a flanged or wafer type however should meet the specifications. Both will be considered. Item B6 in lot 2 can be a Radial/ axially guided or diaphragm valve. Both will be considered. It should be noted that the PN rating of each item is indicated in the description. Deviation from it will not be accepted. Please see the amended BOQ attached.

2.	Section 2 Valves refers. Must the valves be PN10 or PN40? The pressure rating in the Bill is PN10.	Bidder should note that the valves and all items should be PN10. PN40 was erroneously included in the bid BOQ. Please see the amended document attached.

2	**Valves & Couplings**	
	Okahao Tsandi Ps	
A		
1.	300NB PN10 HDG dedicated flange adaptor	7
2.	300NB PN10 Gate isolation valve short F-F 270mm EN 558-1 basic series 14	1
3.	200NB PN10 butterfly valve short pattern F-F 152mm EN 558 basic series 13	3
4.	200NB PN10 HDG dedicated flange adaptor	6
5.	100NB PN10 HDG dedicated flange adaptor	6
6.	200NB PN10 Radial/ axial Guided non return valve	3
7.	200NB PN10 Gate valve F-F 230mm, EN 558, BASIC SERIES 14 (DIN 3202, F4)	3

	Okahao Rural Ps	
B		
1	100NB PN10 Gate isolation valve short F-F 190mm EN 558-1 basic series 14	2
3	100NB PN10 HDG dedicated flange adaptor	4
6	150NB PN10 non return valves	2
8	150NB PN10 Gate isolation valve short F-F 230mm EN 558-1 basic series 14	3

In Section V you request the valves to be PN40.

PN40 valves shall fit between flanges drilled to SANS1123/4000/3 respectively. The flanges shall be fitted in the two-hole-top orientation.	Yes/No

PN40 valves shall fit between flanges drilled to SANS1123/4000/3 respectively. The flanges shall be fitted in the two-hole-top orientation.	Yes/No

<table>
<tr>
<td>3.</td>
<td>Section V Item 9 Gauges refers
1. Will only RHOMBERG Schaffer Gauges be accepted?
<table>
<tr><td>9</td><td>Gauges</td><td></td></tr>
<tr><td></td><td>Make is RHOMBERG, SCHAFFER DIAGARM or ASHCROFT</td><td>Yes/No</td></tr>
</table>
2. In the Bill you request a Pressure Gauge only.
<table>
<tr><td>42.</td><td>0 to 120 mWh Pressure gauge LM ½" (15mm) male.</td><td>3</td></tr>
<tr><td>19.</td><td>0 to 120 mWh Pressure gauge LM ½" (15mm) male.</td><td></td></tr>
</table>
In Section V you ask for a gauge with a Schaffer Diaphragm.
<table>
<tr><td>9</td><td>Gauges</td><td></td></tr>
<tr><td></td><td>Make is RHOMBERG, SCHAFFER DIAGARM or ASHCROFT</td><td>Yes/No</td></tr>
</table>
Must the gauge include the Schaffer Diaphragm, data sheet attached?</td>
<td>The specification requests for a Rhomberg,
Should the Rhomberg meet the criteria it will be accepted.

Bidder are advised that the valves and all items required should be PN10.

Please see the amended BOQ attached.

Site Administrator
Namibia Water Corporation Ltd
Private Bag 13389, Windhoek
2025 -04- 28
Website: www.namwater.com.na</td>
</tr>
<tr>
<td>4.</td>
<td>See annexure 1 attached.</td>
<td>Bidder should note:
1. The length: is M16 x75
2. mWH refere to meter water head
3. the socket is allocated for the flow sensor
4. the stub is 50NB
5. the stub is 50NB
6.the correct quantity is 1 not 6
7. base frames require fixing holes
8. a blanket flange with a 25NB socket will be used with a reducing bush to fit the pressure.</td>
</tr>
</table>

ANNEXURE 1

Procurement Ref No: G/RFQ/NW-071/2025

1.

Item A33

33.	M16 HDG bolts	60	Each

Confirmation of required length?

2.

Item A42

42.	0 to 120 mWh Pressure gauge LM ½" (15mm) male.

Pressure gauge range scaling required and /or what does mWh translate into pressure terminology.

3.

Item B4

2.	100NB PN10 HDG Distance piece with restraining flange, 1 off 25NB Socket & Restraining Flange	2

Drawing item 4 depicts 25NB socket

Is this socket allocated to the pressure Gauge or the air release valve?

4.

Item B4

4.	150NB PN10 HDG flanged distance piece with 25NB stub	2

Drawing item 7 depicts 50NB flanged stub, but here 150NB PN10 HDG flange distance piece with 25NB stub?

5.

Item B8

8.	150NB PN10 HDG Gooseneck with 25NB stub	1	

Drawing Item14 depicts 50NB Stub, but here 150NB PN10 HDG Gooseneck with 25NB stub? Which is correct?

6.

9.	150NB – 100NB HDG concentric reducer	6	Each

Drawingg item 15 depicts **Qty 1, but on the list No. 9 = 150NB – 100NB HDG concentric reducer shows a Qty of 6**

7.

Base frames

1	Pipe support base frame	3	

Is it the intention to fill these base frames with grout / concrete or do they require fixing holes?

8. Pressure Gauges

The process connection shall be a Lower Mount (LM), ½" (15 mm) male type. All gauge cocks shall have process connection of 1/2" (15mm), one male and one female type.

None of the stubs are 15mm sockets is it the end user intention to flange the 50nb stub with a blank flange with 15 socket attached thereto? Nothing specified in the BOQ (requires galvanizing?)

SECTION III: LIST OF GOODS AND PRICE SCHEDULE

QUOTATION FOR: Supply and Delivery of Pipework, Valves, Couplings and fasterners for Okahao-Tsandi-Rural Critical Pump Station

Procurement Ref No: G/RFQ/NW-071/2025

INSTRUCTIONS TO THE PUBLIC BODY	INSTRUCTIONS TO BIDDERS
At time of preparation of the RFQ, Columns A to I shall be filled in by the Public Entity. [*To be filled by the Public Entity*]	Bidders shall fill-in columns F, G & H and fill the total F= Rate per unit G=Total price for one item (C x F) • If an equivalent is quoted, please attach to your quote appropriate technical information & specification • Bidders shall fill in and sign the bottom section of this page

A	B	C	D	F	G	H
Item No.	Description of Goods	Quantity	Unit of measure	Price per unit NAD[1]	Total price without VAT NAD	VAT: NAD
1	**Pipework and Fasterners**					
	Okahao Tsandi PS					
1	300NB HDG PN10 Distance piece with restraining flange	1	Each			
4	300NB HDG PN10 T Pipe special	1	Each			
5	300NB HDG PN10 Distance piece with restraining flange	1	Each			
6	300NB HDG PN10 Pipe bend special	1	Each			
7	300NB HDG PN10 T Pipe special with restraining flange	1	Each			
8	300NB HDG PN10 T Pipe special with restraining flange	1	Each			
9	300NB HDG PN10 T Pipe bend special with restraining flange	2	Each			
12	200NB -100NB HDG PN10 Eccentric reducer pipe special	3	Each			

Initials.....

13	100NB PN10 HDG Distance piece with restraining flange	3	Each			
15	100NB PN10 HDG Distance piece with restraining flange and 25NB socket	3				
16	200NB - 100NB HDG PN10 Eccentric reducer with 50NB stub	3	Each			
18	200NB HDG PN10 Flanged distance piece with 50NB stub	3	Each			
19	200NB HDG PN10 Distance piece with restraining flange	3	Each			
20	300NB HDG PN10 T Pipe special with 50NB stub	3	Each			
21	300NB HDG PN10 Distance piece with restraining flange and pipe support	2	Each			
22	300NB HDG PN10 Fanged Distance piece	1	Each			
23	300NB – 150NB HDG Eccentric reducer	2	Each			
24	150NB HDG Flanged distance piece	2	Each			
26	150NB HDG Distance piece with restraining flange	1	Each			
28	300NB HDG Distance piece	1	Each			
29	300NB HDG Pipe Bend	1	Each			
30	300NB PN10 Blank flange	1	Each			
31	50NB PN10 Distance piece with restraining flange	1	Each			
32	300NB PN10 Blank flange with 50NB stub	1	Each			
33	PN10 blank flange with 25NB socket	10	Each			
34	PN10 blank flange for 25NB stub	6				
35	M16x50 HDG bolts	55	Each			
36	M16x55 HDG bolts	55	Each			
37	M20x65 HDG bolts	30	Each			
38	M20x75 HDG bolts	350	Each			
39	M20x90 HDG bolts	200	Each			
40	M20x190 HDG bolts	80	Each			
41	M16 x 75 HDG bolts	60	Each			

Initials.....

42	M16 HDG Nuts	130	Each			
43	M20 HDG Nuts	400	Each			
44	M20 HDG Washers	400	Each			
45	M20x1000 HDG Threaded rods	30	Each			
46	300NB PN10 Ring gasket	25	Each			
47	200NB PN10 Ring gasket	15	Each			
48	100NB PN10 Ring gasket	20	Each			
49	50NB PN10 Ring gasket	30	Each			
50	0 to 120 mWh Pressure gauge LM ½" (15mm) male.	3	Each			
51	½" (15mm) male- female Gauge Cock PN10	3	Each			
				Subtotal for Item 1 Section A		
	Okahao Rural PS					
B						
2	100NB PN10 HDG Distance piece with restraining flange	2	Each			
4	100NB PN10 HDG Distance piece with restraining flange, 1 off 25NB Socket & Restraining Flange	2	Each			
5	100NB – 150NB PN10 HDG concentric reducer	2	Each			
7	150NB PN10 HDG flanged distance piece with 50NB stub	2	Each			
10	150NB PN10 HDG T piece pipe special with restraining flanges	1	Each			
11	150NB PN10 HDG pipe bend with retraining flange	1	Each			
13	150NB PN10 HDG Distance piece with restraining flange	1	Each			
14	150NB PN10 HDG Gooseneck with 50NB stub	1	Each			
15	150NB – 100NB HDG concentric reducer	1	Each			
16	100NB PN10 Ring Gasket	15	Each			
17	150NB PN10 Ring Gasket	16	Each			
18	50NB PN10 Ring Gasket	1	Each			

Initials.....

19	M16x55 HDG Bolts	120	Each			
20	M20x60 HDG Bolts	120	Each			
21	M16 HDG Nuts and Washers	220	Each			
22	M20 HDG Nuts and Washers	220	Each			
23	M16 HDG Threaded Rods 1m Length	10	Each			
24	M20 HDG Threaded Rods 1m Length	15	Each			
25	0 to 120 mWh Pressure gauge LM ½" (15mm) male.	3	Each			
26	½" (15mm) male- female Gauge Cock PN10	3	Each			
				Subtotal for Item 1 Section B		
				TOTAL for Item 1 (Pipework and fasteners)		
2	**Valves & Couplings**					
	Okahao Tsandi Ps					
A						
2	300NB PN10 HDG dedicated flange adaptor	7				
3	300NB PN10 Gate isolation valve short F-F 270mm EN 558-1 basic series 14	1	Each			
10	200NB PN10 butterfly valve short pattern F-F 152mm EN 558 basic series 13	3	Each			
11	200NB PN10 HDG dedicated flange adaptor	6	Each			
14	100NB PN10 HDG dedicated flange adaptor	6	Each			
17	200NB PN10 Radial/ axial Guided non return valve	3	Each			
25	200NB PN10 Gate valve F-F 230mm, EN 558, BASIC SERIES 14 (DIN 3202, F4)	3				
27	150NB PN10 dedicated flange adaptor	1	Each			
35	25NB Surge Alleviation Air Valve	3	Each			

Initials.....

				Subtotal for Item2 Section A		
	Okahao Rural PS					
B						
1	100NB PN10 Gate isolation valve short F-F 190mm EN 558-1 basic series 14	2	Each			
3	100NB PN10 HDG dedicated flange adaptor	4	Each			
6	150NB PN10 non return valves	2	Each			
8	150NB PN10 Gate isolation valve short F-F 230mm EN 558-1 basic series 14	3	Each			
9	150NB PN10 HDG dedicated flange adaptor	4	Each			
16	25NB Surge Alleviation Air Valve	2	Each			
				Subtotal for Item 2 Section B		
				TOTAL for Item 2 (Valves & Couplings)		
3	**Baseframes**					
1	Pipe support base frame	3				
2	Pipe support stand	10				
3	Pipe support base frame	1				
4	200NB Pipe support	3				
5	300NB Pipe support	3				
6	100NB Pipe support	3				
				Subtotal for Item 3		

Initials.....

				Sub-total for Item 1-3		
				Provision for Transport(If Applicable)		
	Delivery [Days/Weeks]:			**BID TOTAL**		
NAME:		POSITION:		SIGNATURE:	DATE	
NAME OF BIDDER:		ADDRESS:				

If the price quoted is subject to change in the rate of exchange at the time of delivery of goods provide details hereunder:

Currency: N$ Exchange Rate: N/A

Key notes: **NA**=NOT APPLICABLE, **NQ**=NO QUOTE

Initials.....

4	**Wafer and Flanged Check Valve**		
	The valves shall be NFS or DVGW or WRAS or ACS or KIWA or WaterMark™ Schedule - Level 1 or SVGW certified / approved for drinking water.	Yes/No	
	The valves shall be certified to be in accordance with the European Pressure Equipment Directive 97/23/CE.	Yes/No	
	Non-return valves shall be of the axially opening radially guided type.	Yes/No	
	PN10 valves shall fit between flanges drilled to SANS1123/4000/3 respectively. The flanges shall be fitted in the two-hole-top orientation.	Yes/No	
	The valve shall be a SOCLA #882 model with a f-f of 106mm.	Yes/No	
	The valves shall be of wafer-type.	Yes/No	
	Valve casing shall be ductile cast iron.	Yes/No	
	Valve ring shall be bronze.	Yes/No	
	Valve guide shall be ductile cast iron.	Yes/No	
	Valve stems shall be bronze.	Yes/No	
	Valve springs shall be stainless steel 316.	Yes/No	
	Seals and O-rings shall be of EPDM.	Yes/No	
	Valve closing system shall be bronze.	Yes/No	
	All components other than stainless steel, brass or bronze components shall internally and externally epoxy or polyamide or polyurethane coated.	Yes/No	
	The valves shall have a critical / opening velocity of 1.5m/s or less.	Yes/No	

	The pressure drop across the valve at 1.5m/s shall be less than 1.5mWh.	Yes/No	
	Dimensional drawings of non-return valves shall be submitted.	Yes/No	
5	**Flanged Gate Valve**		
	The valves shall be NFS or DVGW or WRAS or ACS or KIWA or WaterMark™ Schedule - Level 1 or SVGW certified / approved for drinking water.	Yes/No	
	Valves shall be internally and externally coated according to EN 14901 or GSK or AS/ZNS 4158 regulations / guidelines.	Yes/No	
	The valves shall be pressure tested in accordance with EN 12266 or ISO 5208	Yes/No	
	PN10 valves shall fit between flanges drilled to SANS1123/4000/3 respectively. The flanges shall be fitted in the two-hole-top orientation.	Yes/No	
	The valves shall be resilient seated in accordance with EN 1074.	Yes/No	
	The valves shall have face-to-face dimensions according to EN 558-1, basic series 15.	Yes/No	
	Valve bodies and bonnets shall be ductile cast iron.	Yes/No	
	Valve gates shall be EPDM vulcanised ductile cast iron.	Yes/No	
	Valve stems shall be stainless steel 420.	Yes/No	
	Stem nuts shall be of bronze or dezincification resistant brass	Yes/No	
	Seals and O-rings shall be of EPDM.	Yes/No	
	Internal and external fasteners shall be of stainless steel 304.	Yes/No	
	Dimensional drawings of all valves shall be submitted.	Yes/No	

NAMWATER
Namibia Water Corporation Ltd

Our Ref.:
G/RFQ/NW-071/2025

Your Ref.:

Enquiries: Vilho Tobias

Telephone: +264 61 71 2819
E-mail: bids@namwater.com.na

2 May 2025

NOTICE TO BIDDERS – No 2
PROCUREMENT REFERENCE NUMBER: G/RFQ/NW-071/2025

SUPPLY AND DELIVERY OF PIPEWORK, VALVES, COUPLINGS AND FASTERNERS FOR OKAHAO-TSANDI-RURAL CRITICAL PUMP STATION

Dear Bidders,

In accordance with Instruction to Bidders 8 (**Clarification of bidding Documents Amendment of Bidding Documents)** of the Bidding Document the Employer will respond in writing to any request for clarification, and should the Employer deem it necessary to amend the Bidding Document as a result of a request for clarification, it shall do so.

This notice to bidders form an integral part of the bidding documents and must be attached to the offer upon submission.

1. QUERIES

Technical enquiries on Annexure 1

Yours sincerely,

Ms. Puje Katjivena
HEAD: SUPPLY CHAIN MANAGEMENT

NAMWATER
Namibia Water Corporation Ltd

Date: Friday, May 02, 2025

NOTICE TO BIDDERS - No 2

PROCUREMENT REFERENCE NUMBER: G/RFQ/NW – 071/2025

SUPPLY AND DELIVERY OF PIPEWORK, VALVES, COUPLINGS AND FASTERNERS FOR OKAHAO-TSANDI-RURAL CRITICAL PUMP STATION

ACKNOWLEDGEMENT OF RECEIPT

CONFIRMATION

I, ... of .....

Hereby confirm receipt of the Notice to Bidders – No 2

Signed at ..... On this Day .....

.....
On behalf of the Bidder

1. CLARIFICATION REQUEST

SUPPLY AND DELIVERY OF PIPEWORK, VALVES, COUPLINGS AND FASTERNERS FOR OKAHAO-TSANDI-RURAL CRITICAL PUMP STATION
- Procurement ref No.: G/RFQ/NW – 071/2025

<table>
<tr><th>Query No.</th><th>Clarification required</th><th>Response</th></tr>
<tr><td>1.</td><td>
<table>
<tr><td>33</td><td>PN10 Blank flange with 25NB stub WHAT NB IS THE FLANGE?</td><td>No</td><td>10</td></tr>
<tr><td>34</td><td>PN10 blank flange for 25NB stub WHAT NB IS THE FLANGE?</td><td>No</td><td>6</td></tr>
</table>
</td><td>These blank flanges will have a 50NB flange. They will be fitted to the 50NB flanged stubs on various pipework.</td></tr>
<tr><td>2.</td><td>Please request that your client confirm in writing that they will accepted 200m length for the following:
<table>
<tr><td>40</td><td>M20x200 HDG bolts 195 length NOT AVAILABLE</td><td>Each</td><td>80</td></tr>
</table>
</td><td>200m length bolts will not be accepted. However 200 mm length will be accepted</td></tr>
</table>