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RFQ Number	NLM-QUO-25/082
Request for Quotation Date	01 July 2025
RFQ Closing Date	31 July 2025
RFQ Closing Time	12:00
Compulsory Site Briefing	Not compulsory but if more information is required can be arranged
Contact Person	Catherine Matima
Quotation Validity	90 Days from the closing date
Submission Details	RFQ Response must be sent to: catherine.matima@necsa.co.za
RFQ Description	To design and supply a Compressed Air Purification System as per the Purchase Specification, ENS-NWPVR-SPE-24002

Dear Service Provider

Kindly provide a quotation for goods and or services as outlined in section 3 of this document.


1. Introduction

The South African Nuclear Energy Corporation Limited (Necsa) is a state-owned public company (SOC), registered in terms of the Companies Act, (Act No. 61 of 1973), registration number 2000/003735/06.

The Necsa Group engages in commercial business mainly through its wholly-owned commercial subsidiaries: NTP Radioisotopes SOC Ltd (NTP), which is responsible for a range of radiation-based products and services for healthcare, life sciences and industry, and Pelchem SOC Ltd (Pelchem), which supplies fluorine and fluorine-based products. Both subsidiaries, together with their subsidiaries, supply local and global markets, earning valuable foreign exchange for South Africa and are among the best in their field in their respective world markets.

Necsa's safety, health, environment and quality policies provides for top management commitment to compliance with regulatory requirements of ISO 14001, OHSAS 18001 and RD 0034 (Quality and Safety Management Requirements for Nuclear Installations), ISO 9001 and ISO 17025.

Necsa promotes the science, technology and engineering expertise of South Africa and improves the public understanding of these through regular communications at various forums

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and outreach programmes to the community. We are a proudly South African company continuously striving, and succeeding in many respects, to be at the edge of science, technology and engineering related to the safe use of nuclear knowledge to improve our world.

For more information on Necsa, please visit: www.Necsa.co.za

2. Background

Various plasma gasification demonstration facilities are being established at Necsa for the volume reduction of nuclear waste. Instrument air is required as one of the utilities in these facilities. The crude compressed air that is available on-site at Necsa is not of suitable quality for direct use as instrument air in the plasma facilities. Therefore, an air purification system must be sourced and incorporated into the facilities, as an intermediate step, to convert the crude compressed air into instrument air of the required quality. Details for the compressed air purification system are given in the attached Purchase Specification [01]. Its position within the wider Necsa facility is reflected by the air purification system Y1702 in the attached Piping and Instrumentation Diagram (P&ID) [02].

3. Scope of Work

Item Description	Quantity
<p>To provide a fully functional compressed air purification system, as per the purchase specification, ENS-NWPVR-SPE-24002 [01]</p> <p>NOTE: Only the vendor package identified as air purification system Y1702 in the attached P&ID [02] is to be provided. all other equipment, pipelines, valves and instrumentation shown in the P&ID [02] are not within the scope of this supply.</p>	1

4. Attachments

Ref #	DOCUMENT NAME	DESCRIPTION
01	ENS-NWPVR-SPE-24002, Rev. 1	Purchase Specification for Compressed Air Purification System for the Plasma Gasification Demonstrations Facilities
02	ENS-NWPVR-PID-24014, Rev. 2	NW PlasGas P&ID Diagram – Compressed Air Supply to Lab 150 & Lab 131



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5. Pricing

- All price quoted to include all applicable taxes.
- Price must be fixed and firm.
- Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, disbursements etc.
- Quotation must be completed in full, incomplete quote could result in a quote being disqualified.
- Payment will be according to Necsa's General Conditions of Purchase.

6. Evaluation

Phase 1- Functionality Evaluation / Technical Evaluation

Where functional or technical evaluation criterion is applicable, assessment will be performed in terms of the criterion listed below and the criterion may include Technical, Performance, Quality and Risk.

If the Bidder's response to the Technical templates does not indicate that the Bidder can support an acceptable technical solution, the Bidder's response will be rejected and not evaluated further.

Together the Technical, Performance & Quality and Risk criteria make up the functionality criterion and a Bidder's Proposal will be evaluated for functionality out of a possible 100 points. Only RFQ responses achieving an evaluation score of greater than the set threshold points out of the possible 100 points and which score a number of points for functionality that is greater than or equal to the set threshold points of the number of points achieved by the highest scoring Bid for functionality will be selected to progress to the second stage.

The quotations will be evaluated according to the following selection criteria (based on information requested above):

Item	Requirement	Weight	Points	Criteria
1	Company Experience (40 points) Relevant company (or JV/Sub-contractor) experience in the design and manufacture of Compressed Air Purification Systems. Completed projects – list of past projects (client details, project value, duration of the project, etc.)	40	40	More than 10 years of experience
			30	Seven to Nine years of experience
			20	Five to Six years of experience
			10	Two to Four years of experience
			0	Less than two years of experience



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Item	Requirement	Weight	Points	Criteria
2	Traceable reference letter from previous clients to whom the supplier has designed and manufactured Compressed Air Purification System(s) (40 points) 1. Company letter head 2. Contact details of the company 3. Purchase order amount 4. Nature of the service rendered by the supplier.	40	40	Four (4) or more reference letters from the companies the supplier had designed and manufactured a Compressed Air Purification System
			30	Three (3) reference letters from the companies the supplier had designed and manufactured a Compressed Air Purification System
			20	Two (2) reference letters from the companies the supplier had designed and manufactured a Compressed Air Purification System
			10	One (1) reference letter from the companies the supplier had designed and manufactured a Compressed Air Purification System
			0	No reference letter.
3	After sales service (20 points) Supplier must provide letter referencing after sales service and maintenance	20	20	Supplier having a service and repair workshop and holds critical spares as stock items
			10	Supplier having a service and repair workshop without critical spares as stock items
			0	Supplier outsources service and repair to a third party
Total		100		

Note: Bidders that score <80 out of 100 in respect of Technical/Functional evaluation criteria will be regarded as submitting a non-responsive bid and will not be evaluated further.

Phase 2 - Evaluation In Terms Of Preferential Procurement Policy Framework Act, 2022

This bid will be evaluated and adjudicated according to the 80/20-point system, in terms of which a maximum of 80 points will be awarded for price and 20 points will be allocated based on the specific goals (B-BBE status level).

	POINTS
PRICE	80
SPECIFIC GOALS (B-BBEE status level)	20
Total points for Price and SPECIFIC GOALS	100

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Preference goal

B-BBEE status level contributor


B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

7. Required Documentation

- Tax Clearance Certificate (Tax pin issued by SARS)
- Declaration of interest (SBD 4)
- BEE Certificate / Applicable Affidavit if classified as EME
- Letter of Good Standing (COID) only if Applicable due to the nature of work required
- Any other document or certification that might have been requested on this RFQ

8. Important

1. Quotation must be submitted on or before the RFQ closing date and time stated above.
2. Orders above R 30 000 will be evaluated according to the PPPFA 80/20-point system and a functionality scorecard where applicable and the ones above R 1 Million will be subjected to the tender process.
3. This RFQ is subjected to the Necsa's General Conditions of Purchase, Preferential Procurement Policy Framework Act 2000 and the Preferential Procurement Regulations,

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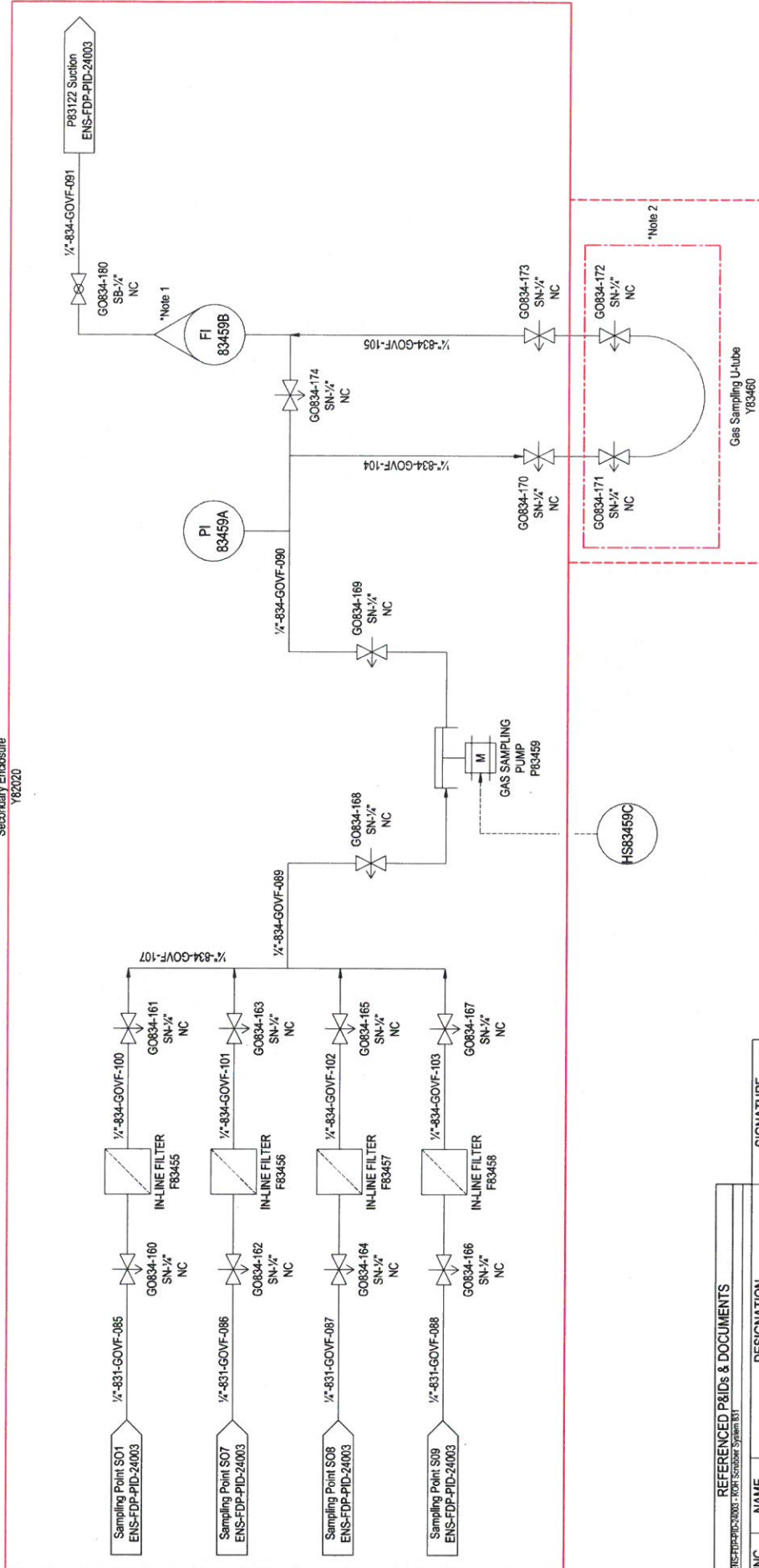
2022, the General Conditions of Contract (GCC) and, if applicable, any other legislation or special conditions of contract.

4. Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for specific goals are not claimed.
5. The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to specific goals, in any manner required by the purchaser.
6. For a Bidder to obtain clarity on any matter arising from or referred to in this document, please refer queries, in writing, to the contact details provided above. Under no circumstances may any other employee within Necsa be approached for any information. Any such action might result in a disqualification of a response submitted in competition to this RFQ.
7. No goods and/or services should be delivered to Necsa without an official Necsa Purchase order.
8. Necsa reserves the right to; cancel or reject any quote and not to award the RFQ to the lowest Bidder or award parts of the RFQ to different Bidders, or not to award the RFQ at all.
9. The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any Necsa employee or its representatives. Such an act shall constitute a material breach of the Agreement and the Necsa shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights
10. By responding to this request, it shall be construed that: the bidder, hereby acknowledge to be fully conversant with the details and conditions set out in the Necsa's General Conditions of Purchase, Preferential Procurement Policy Framework Act 2000 and the Preferential Procurement Regulations, 2022, the General Conditions of Contract (GCC), Technical Information and Specifications attached, and hereby agree to supply, render services or perform works in accordance therewith.

NOTES:

1. Rotameter with integrated needle valve for flow control and creating pressure into Y83460.
2. Gas Sampling U-tube is located inside a box that is an extension of the secondary enclosure for easy access for personnel. The box is open at all times to the secondary enclosure at the back of the box.

Secondary Enclosure
Y82020

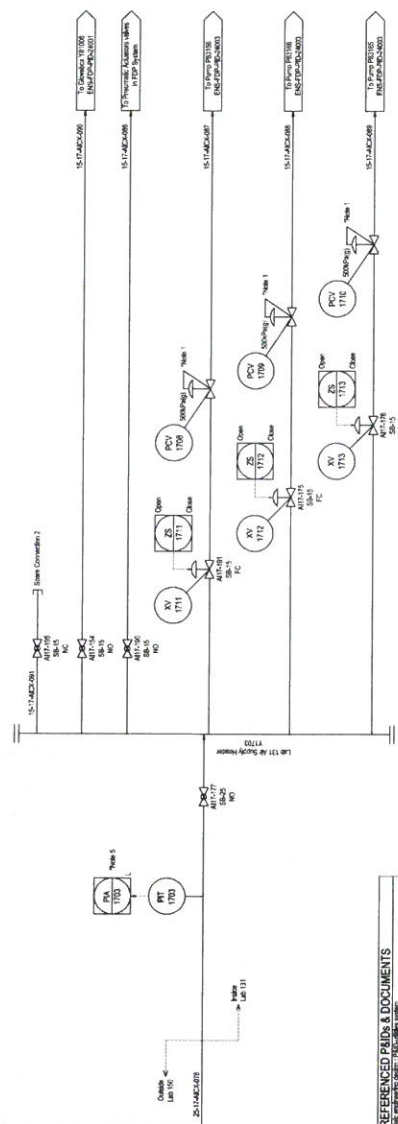
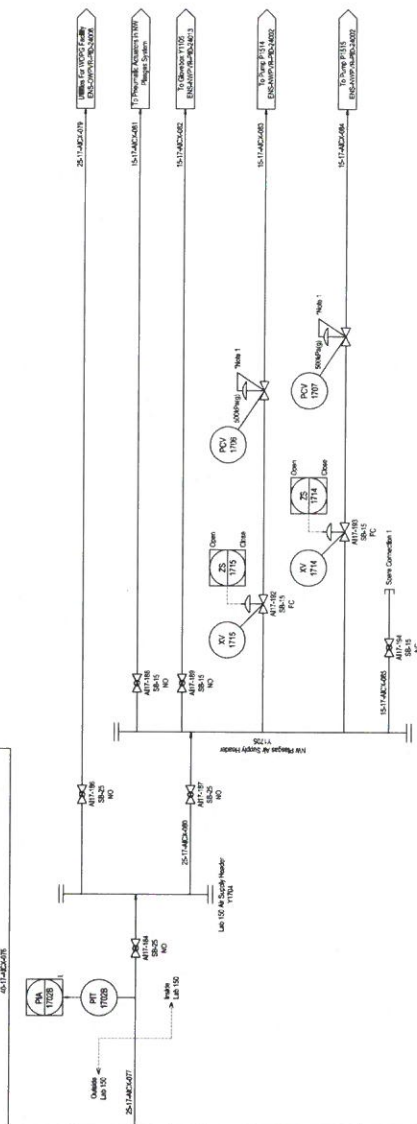
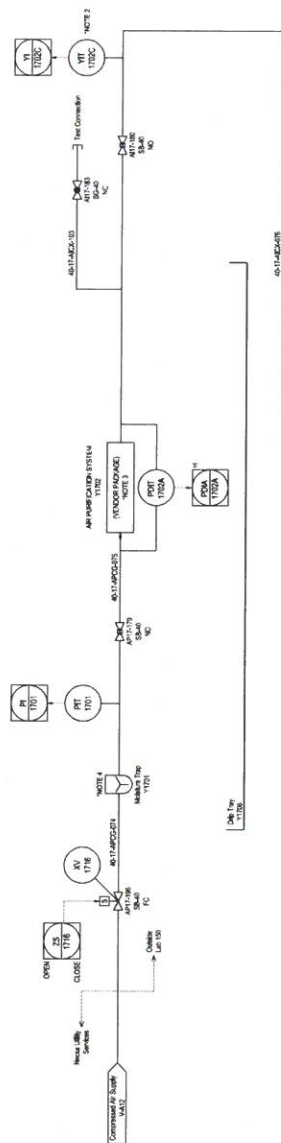


REFERENCED P&IDs & DOCUMENTS

REF ID	NAME	DESIGNATION	SIGNATURE
PRP'D	M. Mashaya	PROCESS ENGINEER	
CHK'D	N. Mokoena	PROCESS ENGINEER	
CHK'D	M. Correlia	SENIOR PROCESS ENGINEER	
CHK'D	S. Mngoma	CHIEF MECHANICAL ENGINEER	
CHK'D	G. Manuel	CHIEF ENGINEER CONTROL & INSTRUMENTATION	
CHK'D	W. van den Berg	CHIEF ELECTRICAL ENGINEER	
APPR'D	K. Moodley	CHIEF PROCESS ENGINEER	

REV	DESCRIPTION	DATE	PRPD	PROJECT	TITLE	DRG No.	SHEET	TEAMCENTRE No.
2.0	Revised to include P&ID changes, and added and removed on line 1	08/05/2024	M.M.	PTFE FILTER DESTRUCTION PROJECT	P&ID DIAGRAM	GAS SAMPLING SYSTEM SUBSYSTEM 834	1 OF 1	1
1.0	Initial design	08/05/2024	M.M.			ENS-FDP-PID-24006		

















PROJECT	FUNC.	NAME	DESIGNATION
1. TUGAS KAWALAN KUALITAS	PRPD	L. Darmi	Process Engineer
2. TUGAS KAWALAN KUALITAS	REVIEW	B. Khumalo	Senior Process Engineer
3. TUGAS KAWALAN KUALITAS	REVIEW	G. Mansel	Chief Engineer Control & Instrumentation
4. TUGAS KAWALAN KUALITAS	REVIEW	W. van den Berg	Chief Electrical Engineer
5. TUGAS KAWALAN KUALITAS	REVIEW	S. Mogoma	Chief Mechanical Engineer
6. TUGAS KAWALAN KUALITAS	REVIEW	K. Hoedje	Chief Process Engineer

[illegible][illegible]

PROJECT	NW PLASGAS
TITLE	PAID DIAGRAM
DRG. No.	COMPRESSED AIR SUPPLY TO LAB 150 & LAB 131 ENS-NWPVR-PID-24014

Title	Purchase Specification for Compressed Air Purification System for the Plasma Gasification Demonstrations Facilities
Doc. No.	ENS-NWPVR-SPE-24002
Revision	1

APPROVAL & DISTRIBUTION

	NAME	SIGNATURE & DATE
Prepared	L Dlamini Process Engineer	 Signed by: Lungelo Wesley Brandon Dlamini, lungelo.dlamini@necsa.co.za 21/01/2025 13:30:09(UTC+02:00) 
Checked	B Khumalo Senior Process Engineer	 Signed by: Bheka Khumalo, bheka.khumalo@necsa.co.za 21/01/2025 13:34:01(UTC+02:00) 
Checked	S Mngoma Chief Mechanical Engineer	 Signed by: Sibongeleni Mngoma, sibongeleni.mngoma@necsa.co.za 21/01/2025 15:14:04(UTC+02:00) 
Checked	G Manuel Chief C&I Engineer	 Signed by: Grant Manuel, grant.manuel@necsa.co.za 22/01/2025 17:30:18(UTC+02:00) 
Checked	W Van Den Berg Chief Electrical Engineer	 Signed by: Willem Van Den Berg, willem.vandenbergh@necsa.co.za 23/01/2025 09:02:41(UTC+02:00) 
Approved	K Moodley Chief Process Engineer	 Signed by: Kasuren Moodley, kasuren.moodley@necsa.co.za 23/01/2025 11:52:19(UTC+02:00) 
Distribution	ES Records, Docman, Dr K Moodley, Mr D Ngwenya	


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1 INTRODUCTION

Instrument air will be utilised in the plasma gasification demonstration facilities in Building V-H2 at Necsa. The crude compressed air that is available on-site from Necsa Utility Services is not of suitable quality for direct use as instrument air in the plasma facilities. Therefore, an air purification system must be sourced and incorporated into the facilities, as an intermediate step, to convert the crude compressed air into instrument air of the required quality.

2 PURPOSE AND SCOPE

2.1 Purpose

The purpose of this document is to define the technical requirements so that a Supplier may provide the required air purification system for the plasma gasification demonstration facilities.

2.2 Scope

The scope of this document is limited to the technical specifications and the scope of work for the supply of the air purification system.

3 REFERENCES AND ABBREVIATIONS

3.1 References

This document refers to the following documents:


- | | |
|-----|---|
| [1] | LSA-GEN2021-REP-0001: Site Description: Pelindaba Site |
| [2] | ISO 8573-1:2021(E): Compressed Air Part 1 – Contaminants and Purity Classes |
| [3] | ISO 9001:2015: Quality Management Systems - Requirements |

3.2 Abbreviations

Abbreviation	Description
°C	Degrees Celsius
% RH	Percentage Relative Humidity
(C)	(Chemical)
(g)	Gauge (Pressure)
(N)	(Nuclear)
FAT	Factory Acceptance Test
H	Height
HMI	Human Machine interface
Hz	Hertz
IP	Ingress Protection
IQ	Installation Qualification
K	Kelvin
kg	Kilogram
kPa	Kilopascal
kW	Kilowatts
L	Length
mm	Millimetre
Nm ³ /min	Normal Cubic Meter per Minute
mg/m ³	Milligram per cubic meter
P&ID	Piping and Instrumentation Diagram
QC	Quality class
SAT	Site Acceptance Test
SC	Safety class
W	Width
V	Volts

3.3 Definitions

Term	Definition
Pressure dew point	Temperature to which air must be cooled, at a given pressure and water-vapour content, for it to reach saturation; the temperature at which dew begins to form.
Reference conditions	The ambient pressure and temperature conditions at which dryer performance is specified.

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4 SPECIFICATION SHEET FOR AIR PURIFICATION SYSTEM

Table 1: Technical Specification Sheet for Air Purification System

AIR PURIFICATION SYSTEM Y1702 SPECIFICATION SHEET				
Design description	<p>Air purification system Y1702 is used to condition crude compressed air into instrument grade air. The crude compressed air is sourced from an existing supply from Necsa Utility Services in the V-A12 compressor plant. Moisture separator Y1701 is installed upstream of the air purification system. The instrument air will be used as a utility for the plasma gasification demonstration facilities in Laboratory 150 and 131 in Building V-H2 on Necsa's Pelindaba East site.</p> <p>The air purification system shall consist of the following, as a minimum:</p> <ul style="list-style-type: none">○ single pre-filter○ Twin desiccant vessels○ Single after-filter○ Interconnecting piping and valves○ Necessary control and instrumentation○ First fill of desiccant○ Noise attenuation equipment○ Baseplate or support structure			
Plant Location	NECSA, Pelindaba, North-West Province.			
Equipment Location	NW PlasGas Demonstration facility – Outside Laboratory 150.			
Safety Classification	Non-classified(N) & SC-3(C)			
Quality Classification	Non-classified(N) & QC-3(C)			
OPERATING PROPERTIES				
PARAMETER	UNITS	MINIMUM	NORMAL	MAXIMUM
Inlet temperature ^[Note 1]	°C	-3	19	40
Inlet pressure	kPa (g)	100	500	750

AIR PURIFICATION SYSTEM Y1702 SPECIFICATION SHEET


Normal flow rate [Note 2]	Nm ³ /min	0	8	12
Relative humidity (annual average) [1]	% RH	50	56	62
Maximum moisture content (gram of water per cubic meter of dry air)	g/m ³	-	-	67

AIR PURIFICATION SYSTEM REQUIREMENTS

PARAMETER	SPECIFICATION
Required minimum purity class for particles	Class 3, as per ISO 8573-1:2010(E) [2]
Required minimum purity class for humidity and liquid water	Class 4, as per ISO 8573-1:2010(E) [2]
Required minimum purity class for total oil	Class 1, as per ISO 8573-1:2010(E) [2]
Maximum pressure dew point for dryer	- 40 °C
Type of pre-filter	Supplier to advise. Pre-filter shall be equipped with an automatic condensate drain.
Size of pre-filter	Supplier to advise.
Type of dryer	Heatless regenerative desiccant dryer, twin vessels configuration.
Dryer control system	Local controller and HMI system to monitor the operation of the dryer.
IP rating for housing of dryer control system	Minimum rating: IP 65
Dryer blow-off/exhaust ports	Fitted with pneumatic silencers/mufflers for noise reduction and safe venting of pressurised air.
Type of after-filter	Supplier to advise.

AIR PURIFICATION SYSTEM Y1702 SPECIFICATION SHEET

Size of after-filter	Supplier to advise.
Allowable maximum pressure drop across entire system (pre-filter, dryer and after-filter)	30 kPa
Fail position of dryer inlet switching sequence valves in case of power failure	Fail closed (Uninterrupted air flow is NOT required in case of power failure.)
Packaging and handling requirement	The air purification system (package) shall be self-contained, with all components on a common structural steel skid or baseplate.
Operational and maintenance requirement	The arrangement of equipment, piping and valves shall provide adequate operation clearance and maintenance access, including safe manual handling.
Installation location and method-	Outdoor under a canopy – Northern side of Building V-H2. Anchor bolt installation (preferable).
NOTES FOR SUPPLIER	
Note 1: Minimum temperature is based on the lowest ambient night temperature, the normal temperature is an annual average temperature and the maximum temperature is based on the highest ambient temperature on the Necsa site ^[1] . The atmospheric pressure on the Necsa site is 88 kPa.	
Note 2: The flow rate value in Nm ³ /min are given at the reference conditions of 101.325 kPa(a) and 273.15 K. The actual normal flow rate is 1.33 m ³ /min at 19 °C and 500 kPa(g). The actual maximum flow rate is 1.60 m ³ /min at 40 °C and 750 kPa(g).	
Note 3: Maximum allowable installation space: Length = 3000 mm, Width = 1000 mm and Height = 2500 mm	

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5 SCOPE OF WORK FOR THE SUPPLY OF THE AIR PURIFICATION SYSTEM

The sections below detail the work that the Supplier shall perform for Necsa with respect to the supply and delivery of the required air purification system. The Supplier shall not deviate from this scope of work without prior approval from Necsa. The Supplier is advised to take note of all the requirements provided here when developing their project plan.

5.1 Scope of Supply

Figure 1 below depicts the scope of supply for the Supplier, which is indicated within the red-marked boundaries.

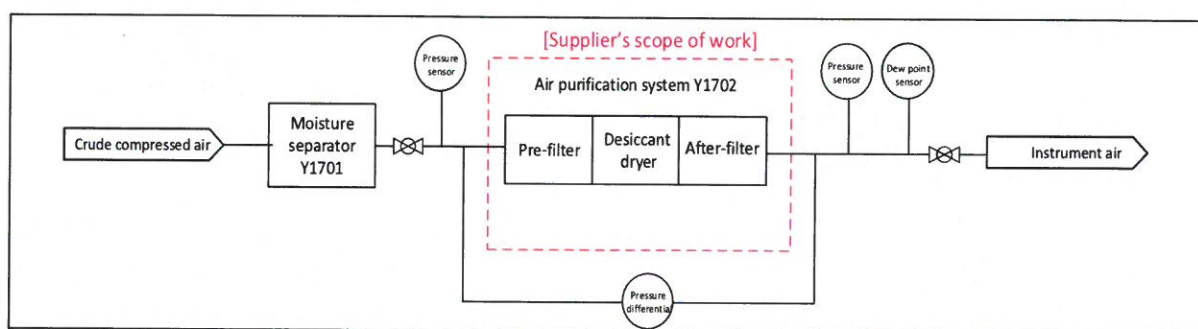


Figure 1: Scope of Supply for Supplier

5.2 General requirements


5.2.1 Documents generated by the Supplier

All the documents provided by the Supplier as part of this scope of work shall clearly indicate the status of the document, e.g. for information, approved, specification, datasheet, calibration certificate etc.

5.2.2 Witness and hold points

As part of this scope of work, Necsa has identified deliverables that are considered as witness points and hold points. Those deliverables are clearly indicated in the list of deliverables in Table 2 below. The Supplier must note the following:

- The deliverables identified as witness points shall be witnessed by Necsa either physically or virtually (physical witness is preferred).
- The deliverables identified as hold points shall be submitted by the Supplier to Necsa for acceptance.

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5.3 Engineering design requirements

The supplier shall perform all the engineering and design work, based on the Supplier's engineering design control plan to deliver an air purification system based on the technical requirements specified in Table 1 above. The supplier's engineering and design work shall include the following:

5.3.1 Desiccant vessels requirements


- The supplier shall be responsible for the correct sizing of vessels based on the maximum inlet air volume flow rate at operating pressure and maximum moisture content as stated in Table 1 above.
- The desiccant vessels shall be fabricated pressure equipment, designed, constructed, inspected, tested and certified as per ASME Section VIII Div. 1 or EN 13445. The vessels shall be ASME code stamped.
- The supplier shall provide evidence that the vessels can withstand the cyclic fluctuation of pressure and temperature as specified in Table 1 above.
- The vessels shall have dedicated fill and drain ports for filling and emptying of desiccant medium.
- The Supplier shall be responsible for the first fill of the desiccant medium.
- The supplier shall provide the expected life of the supplied desiccant medium and the cycling frequency, based on maximum moisture loading for the inlet conditions specified in Table 1 above.
- The supplier shall provide the total time for one complete drying and regeneration cycle.
- The supplier shall provide the duration of each individual stage, as applicable.
- The supplier shall provide the duration for pressurization and de-pressurization prior to cycle changeover.
- The supplier shall provide the interval for valve cycle switching for main switching valves and purge-flow valve.

5.3.2 Pre-filter requirements

- A single pre-filter shall be provided and sized for 100% of the dryer inlet capacity.
- The provided pre-filter shall be capable of removing water droplets of oil aerosol, water, dust and other foreign matter.
- The pre-filter shall be equipped with automatic drain trap with manual bypass
- The pre-filter particle removal rating shall be 1.0 micron absolute or less.

5.3.3 After-filter requirements

- A single after-filter shall be provided and sized for 100% of the dryer inlet capacity.
- The provided after-filter shall be capable of removing suspended particles and desiccant dust that may be carried over from dryer.

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- The after-filter particle removal rating shall be 1.0 micron absolute or less.


5.3.4 Control system requirements

- A programmable logic (PLC) type of controller shall be provided,
- The local control panel shall provide display, status and alarm indication as a minimum for:
 - Which desiccant vessel is in drying mode
 - Which desiccant vessel is in regenerative mode
 - Switching valve operational and failure status
- Dryer inlet switch sequence valves shall be fail close type to ensure that supply of air is terminated in case of a power failure.

5.3.5 Drawing and data requirements

The supplier shall provide the following documentation as a minimum:

- Detailed operating, installation and maintenance procedures for all applicable components of the system
- Electrical drawings
- Piping and instrumentation diagram
- Datasheets for all components of the air purification system
- The supplier shall provide a spares list for capital, operating and maintenance and commissioning spares indicating the following:
 - Supplier part number and/or original equipment manufacturer (OEM) part number
 - Manufacturer and model number
 - Recommended stocking quantity
 - Unit price
 - Delivery time
- Calibration certificates for instrumentation used during FAT and SAT.
- Provide information indicated as "Supplier to advise" on Table 1 above.
- Certification for pressure vessels for desiccant vessels.

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5.3.6 Baseplate and support structure requirements

- A baseplate or structural steel skid shall be a single-fabricated structural steel unit
- If applicable, the structure shall provide with lifting lugs at least four-point.

5.3.7 Piping requirements

- Air distribution systems should be designed in accordance with local, national and international codes and standards.

5.4 Testing requirements

5.4.1 Factory Acceptance Test (FAT)

Prior to having the air purification system delivered to Necsa, Necsa shall participate in a FAT, which shall be conducted at the Suppliers testing facility. The Supplier shall provide Necsa with the relevant approved FAT protocol(s) in advance. The FAT outcomes/results are considered as a witness and hold point.

5.4.2 Site Acceptance Test (SAT)

A SAT shall be conducted by the Supplier at Necsa. The Supplier shall provide Necsa with the relevant approved SAT protocol(s) in advance. The SAT outcomes/results are considered as a witness and hold point.

6 QUALIFICATION OF THE SUPPLIER


Based on the quality classification of the scrubber (as per [3]), the minimum qualification criteria for the supplier are as follows:

- The supplier shall be ISO 9001:2015 [3] accredited or be able to demonstrate that they have a QMS that complies with ISO 9001:2015 [3].

7 SUMMARY OF DELIVERABLES

Table 2: Summary of deliverables that form part of the scope of work

Deliverables	Status of deliverable
Engineering documentation: <ul style="list-style-type: none"> a) Detailed operating, installation and maintenance manuals/procedures b) Flow diagrams, P&ID's, electrical drawing c) Datasheets of components d) Spares list e) Calibration certificates for instrumentation f) Pressure vessel certificates for desiccant vessels 	Witness point
FAT protocol(s)	Witness point
FAT outcomes/results report	Hold point
SAT protocol(s)	Witness point
SAT outcomes/results report	Hold point

	Purchase Specification for Compressed Air Purification System for the Plasma Gasification Demonstrations Facilities	Doc. No	ENS-NWPVR-SPE-24002
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8 REVISION HISTORY

This document has been revised in accordance with the following schedule:

Rev. No.	Date approved	Nature of Revision	Prepared
1	See title page	First issue.	L Dlamini