

**PART A
INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF ESKOM HOLDINGS SOC LTD					
BID NUMBER:	OLT2040958	OPENING DATE:	24 August 2022	CLOSING DATE & TIME:	05 Sept 2022 - 23:00
DESCRIPTION	Supply, Deliver, Install & Commission an Engineering Change to compressors 2,3&4 to implement improved shaft seal and oil filtration components per compressor				
DELIVERY ADDRESS	Ingula Pumped Storage Scheme				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).					

BID RESPONSE DOCUMENTS MAY BE SUBMITTED VIA: Informaltendering@eskom.co.za

Please note the following rules with respect to the OLT2040958 system (Informal Tendering)

- Use the **OLT** reference pertaining the line item you wish to tender for and submit each OLT separately.
- Please **ensure that the email subject line only contains the OLT Enquiry number heading and no other information**. Do not add any text to the subject line. Do not add any space in between the prefix and the enquiry number.
- Ensure that the **OLT** enquiry number is stipulated in the subject line on all e-mails if multiple emails are sent
- Ensure that you receive a confirmation email after submitting your documentation. Please follow up immediately via the email address of the respective buyer if you did not receive this.
- Maximum attachment size per email is **10MB**. It is the supplier's obligation to ensure that the attachments per email do not exceed this limit.
- Please note closing date and time on the OLT. Your submission will not be evaluated if it is received after the closing date and time of the OLT.
- All tender returnables/documentation must be submitted to Informaltendering@eskom.co.za only.
 - E-mails to any other address (except for clarifications) will not be accepted.
 - Failure to comply with these rules will result in your tender being disqualified.
- Requests for Clarifications must be sent in writing via email to mabasosz@eskom.co.za and not to Informaltendering@eskom.co.za. All requests for clarifications and responses must be in writing. Eskom will respond to requests for clarification received within **three (3) working days** before the tender closing deadline, depending on the enquiry duration and complexity.
- Please see Part C for returnables to be submitted with offer**

Note:

- Due to varying requirements, slight changes could be included in each RFQ document, and suppliers are therefore required to read through the document carefully whenever invited to tender.
- ALL Suppliers are required to be registered (except foreign suppliers) on the National Treasury Central Supplier Database (CSD) as at tender response stage and the respective CSD number must be provided with all quotes together with the Eskom vendor registration number. Responses that do not comply with the CSD requirement will be regarded as non-responsive (except foreign suppliers). For CSD registration: Please register at <https://secure.csd.gov.za/>
- All Suppliers (including foreign suppliers) are required to complete SBD 1-Invitation to Bid and submit this annexure at tender closing deadline. Local suppliers are required to be tax compliant and must submit CSD Number/ Efiling pin number/ copy of tax clearance certificate as evidence of their tax compliance status.
- Foreign suppliers (even those with no footprint in RSA) are in addition required to answer Part B (3) which is part of the afore-mentioned SBD 1. Should the said foreign suppliers answer "yes" to any of the questions [Part B (3)]; they are required to be tax compliant and must therefore submit their Efiling pin number or copy of tax clearance certificate which will be verified by Eskom.
- All suppliers are required to refer to www.eskom.co.za for the Supplier Integrity Pact that must be downloaded and read. The Integrity Pact Declaration annexure A (attached hereto) named Supplier Declaration Form is a mandatory tender returnable.
- Specify line prices at lines where prices are submitted and indicate no quote at lines where no price is submitted. Refer Part D
- Where "designated sectors" are applicable, ensure that the relevant annexures and declarations are submitted by the OLT deadline, or the submission will be regarded as non-responsive and disqualified.
- You are also required to complete and submit the attached deviation form along with your quotation at OLT closing deadline. If there are deviations, but the deviation schedule has not been completed and/or returned with your quote, your offer will be disqualified.

SUPPLIER INFORMATION

NAME OF BIDDER	
POSTAL ADDRESS	

STREET ADDRESS			
TELEPHONE NUMBER	CODE	NUMBER	
CELLPHONE NUMBER			
FACSIMILE NUMBER	CODE	NUMBER	
E-MAIL ADDRESS			
VAT REGISTRATION NUMBER			
TCS PIN:		CSD No:	
ESKOM VENDOR NUMBER			
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> Yes <input type="checkbox"/> No	B-BBEE STATUS LEVEL SWORN AFFIDAVIT	<input type="checkbox"/> Yes <input type="checkbox"/> No
IF YES, WHO WAS THE CERTIFICATE ISSUED BY?			
AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX		<input type="checkbox"/>	AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)
<input type="checkbox"/>	A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)		
<input type="checkbox"/>	A REGISTERED AUDITOR		
	NAME:		
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT(FOR EMEs& QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]			
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED? <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ANSWER PART B:3 BELOW]
PRICING			
TOTAL TENDER PRICE, EXCLUDING DELIVERY			
TOTAL TENDER PRICE INCLUDING DELIVERY BUT EXCLUDING VAT			
TOTAL TENDERED PRICE, INCLUDING VAT			
ARE DELIVERY CHARGES INCLUDED IN THE PRICE		Yes _____	No _____
OFFER VALIDITY PERIOD (Minimum 30 days)			
ARE THE PRICE/S FIXED AND FIRM?	Yes _____ No _____	RATE OF EXCHANGE:	FOB VALUE: _____ Freight Insurance: _____
DISCOUNT:		TRADE _____	(2) SETTLEMENT _____
DO YOU ACCEPT ESKOM HOLDINGS SOC LTD GENERAL CONDITIONS OF PURCHASE?		Yes _____	No _____
The invitee/tenderer hereby confirms that a copy of the Integrity Pact was obtained, that it understands the provisions thereof and, undertakes to abide by the provisions thereof in any dealings it may have with Eskom and that the signed Integrity Pact Declaration is submitted as a tender returnable by the stipulated deadline.			
SIGNATURE OF BIDDER	DATE
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)			
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			
DEPARTMENT/ PUBLIC ENTITY	Eskom Holdings SOC Ltd		
CONTACT PERSON	Sandisiwe Mabaso		
TELEPHONE NUMBER	N/a		
FACSIMILE NUMBER	N/a		
E-MAIL ADDRESS	mabasosz@eskom.co.za		

PART B
TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE SUBMITTED BY THE STIPULATED TIME TO THE CORRECT EMAIL ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED VIA TO Informaltendering@eskom.co.za AS PER SUBMISSION INSTRUCTIONS DETAILED IN PART A
- 1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
- 1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
- 1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.
- 1.6. ESKOM RESERVES THE RIGHT TO AWARD A TENDER TO A SUPPLIER WHO MAY NOT BE THE HIGHEST SCORING OR HIGHEST RANKED SUPPLIER FOR THE PURPOSE OF MAXIMISING RECOGNITION OF BLACK OWNERSHIP, BLACK MANAGEMENT CONTROL, SKILLS DEVELOPMENT AND/OR PREFERENTIAL PROCUREMENT IN LINE WITH SECTION (2)(1)(F) OF PPPFA.
- 1.7. ESKOM RESERVES ITS RIGHT TO TERMINATE THIS PROCUREMENT PROCESS IN THE EVENT THAT INFORMATION COMES TO LIGHT (IN WHATEVER WAY OR FORM) THAT IT MAY SUFFER SERIOUS REPUTATIONAL DAMAGE BY DOING BUSINESS WITH THE SUPPLIER OR, ALTERNATIVELY, INFORMATION IS RECEIVED BY ESKOM THAT THE SUPPLIER (HOWSOEVER), WHETHER DIRECTLY OR INDIRECTLY, MAY BE INVOLVED IN CORRUPT PRACTICES AND ACTIVITIES IN VIOLATION OF THE PREVENTION AND COMBATING OF CORRUPT PRACTICES ACT, NO.12 OF 2004 (PRECCA), THE PREVENTION OF ORGANISED CRIME ACT, 121 OF 1998 (POCA), THE PUBLIC FINANCE MANAGEMENT ACT, NO. 1 OF 1999 (PFMA) AND THE CONSTITUTION.

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- 3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO
- 3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO
- 3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO
- 3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO

IF THE ANSWER IS “NO” TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

PART C

TENDER RETURNABLES

C.1 Attachments issued with this OLT Invitation to Tender

- **Attachment 1:** Integrity Pact Declaration – Annexure A
- **Attachment 2:** Preference Claim Form – Annexure J
- **Attachment 3:** Eskom Standard Conditions of Tender
- **Attachment 4:** Eskom's General Conditions of Purchase
- **Attachment 5:** BBBEE Guidelines and Templates
- **Attachment 6:** Tender Guidelines

NOTE: TENDER RETURNABLES

Please ensure that the tender returnables listed hereunder are submitted as per stipulated deadlines as non-compliance with mandatory tender returnables at RFQ closing deadline will result in disqualification (except where these are required for scoring /ranking purposes only). Non-compliance with mandatory returnables due at contract/order award stage will impact award.

- Integrity Pact Declaration **(at RFQ closing deadline)**
- Annexure A (SBD) 4 **(at RFQ closing deadline)**
- SBD 1- Invitation to Bid **(at RFQ closing deadline)** Applicable for all suppliers
- Copy of valid current SARS certificate **(at contract/order award)** Applicable for Foreign suppliers who are required to be tax compliant but have not submitted a CSD/eFiling Pin number.
- ***Certified copy of a Valid original B-BBEE certificate (at RFQ closing deadline)**
- Letter of Good Standing (COIDA) **(at RFQ closing deadline)**
- **Data Sheets / Commitment to supply parts as per OEM SPECS (at RFQ closing deadline)**
- **Safety, Health & Environmental info to do Technical evaluation(at RFQ closing deadline)**
 - Annexure B: Eskom Acknowledgement Form for OHS legal and other requirements
 - ANNEXURE C 3: Tender Evaluation Template with listed documents in support

Please note the following documents will be required on site (completed SHE File / SHE requirements) and these documents need to be evaluated before the Principal- / Sub Contractor can come to site:

1. Annexure B: Acknowledgement Form for Eskom SHE Rules and other Requirements (which was signed and submitted during tender process)
 - a. Adherence to Eskom contractor Health and Safety requirements standards 32-136
 - b. Adherence to OHS specification/requirements provided 32-726-10T
2. Sec.37(2) agreement (Eskom will provide and the Principal Contractor will be required to sign and attached the signed copy on the SHE file)
3. Letter of good standing
4. Signed copy of SHE policy
5. Baseline risk assessment it must include:
 - Risk Identification
 - Risk Analysis
 - Risk Matrix and Rating
 - Monitoring Plan
 - Review Plan
6. Method statement
7. Safety, Health and Environmental Plan
8. Appointments must include competency certificate:
 - OHS Act Section 16(2) - Designated Employer assigned by CEO

- OHS Act General Administrative Regulation 9(2) – Incident Investigator
 - OHS Act Section 8(2)(i) supervisor
 - OHS Act Section 8(2)(i) Assistant supervisor
 - OHS Act Construction Regulation 9(1) - Competent person to perform Risk Assessments
 - OHS Act General Safety Regulations 3(1) – First Aider/s
 - OHS Act: Construction Regulations 29(h) Firefighting Equipment Inspector
 - OHS Act: Construction Regulations 23 (1)(d)(i) - Construction Vehicle and Mobile Plant Inspector (Valid driver's license applicable to the class of the vehicle driven to/on site)
9. Company SHE induction syllabus and attendance register of the induction company
 10. Medical fitness certificate-evaluation of physical fitness of persons by a registered Medical Practitioner
 11. Checklist and signatures (fully inspected before coming to site):
 - Personal protective equipment issued to the employees coming to site, they must be risk based.
 - Hand tools
 - First aid box minimum content
 - Fire extinguisher
 12. Training records:
 - Competencies for the employees that will be doing the activity on site e.g. technician
 13. Reportable incidents and accidents procedure and the forms

Please note:

- Only Diesel driven vehicle are allowed on site to go underground

Copy of identity documents will be required to be submitted for security clearance before coming to site. I.D copies

C.2 EVALUATION CRITERIA

For transactions above **R30 000** up to **R50M** (inclusive of VAT) Price and B-BBEE Preferential Point Scoring will be based on the **80/20** allocation aligned to the PPPFA Regulations 2017;

For transactions less than **R30 000** (inclusive of VAT); the Preferential Point Scoring is not mandatory and only Price may be used (or state any other criteria to be used).

Evaluation Criteria:

Basic Compliance (mandatory – per returnable list)

Functionality (not applicable for this tender)

Price & BBBEE (80/20 principal)

Objective Criteria (per returnable list)

C.2.1: PRICE AND PREFERENCE (PPPFA REQUIREMENTS)

C.2.1.1 Price Evaluation (80 points)

Adjudication Criteria		Points
Price Evaluation 80/20	$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$	80

Where:

Ps= Points scored for price of Bid under consideration

Pt = Rand value of Bid under consideration

Pmin = Rand value of lowest acceptable Bid

C.2.1.2 B-BBEE EVALUATION (20 points)

- Tenderers are required to submit original and valid B-BBEE Status Level Verification Certificates or certified copies thereof together with their bids to substantiate the B-BBEE claims.
- Tenderers who do not submit B-BBEE Status Level Verification Certificates or non-compliant contributors to B-BBEE will not qualify for preference points for B-BBEE however will not be disqualified from the tender process. Such a tenderer will score points out of 80 for price and 0 points out of 20 for B-BBEE.
- Points will be awarded to a tenderer for attaining the B-BBEE Status Level of contribution in accordance with the table below:

The following preference point system is applicable to this tender:

- the 80/20 system for requirements with a Rand value less than R1 000 000 (all applicable taxes included)

B-BBEE Status Level of Contributor	Number of Points (80/20 System)
1	20
2	18
3	16
4	12
5	8
6	6
7	4
8	2
Non - Compliant Contributor	0

A trust consortium or joint venture must obtain and submit a consolidated B-BBEE Status Level Verification Certificate with their bids.

NOTE: No submission of BBBEE certificate at the tender submission stage will result in the tenderer not being allocated points for the BBBEE section.

The points scored for price will be added to the points scored for B-BBEE status level of contribution to obtain the tenderers total points scored out of a 100.

Please note:

- **Attachment 2** and submission of BBBEE certificate/Affidavit must be submitted in order to claim preference points
- **Eskom reserves the right to negotiate with preferred bidders after a competitive bidding process or price quotations; should the tendered prices not be deemed market-related.**
- **Preference will be given to BBBEE Level 1 to 4 suppliers, and thereafter follow the Eskom's hierarchy of supplier preference as (set out in 3.2.4) of the Eskom Procurement and Supply Chain Management Procedure 32-1034 Rev 4.**

C.3 TENDER RETURNABLES

Please ensure that the tender returnable listed hereunder are submitted as per stipulated deadlines as non-compliance with mandatory tender returnable at RFQ closing deadline will result in disqualification (except where these are required for scoring /ranking purposes only).

Non-compliance with mandatory returnables due at contract/order award stage will impact award.

C.3.1 BASIC COMPLIANCE

Returnables	MANDATORY AT CLOSING	MANDATORY PRIOR TO AWARD (Objective Requirements)	SUBMITTED. (Supplier checklist)

Offer invitation Form SBD1: Part A-D completed	YES		YES / NO
Annexure A (SBD) 4 Applicable for all suppliers	YES		YES/NO
Attachment 1: Integrity Pact Declaration – Annexure A	YES		YES / NO
Attachment 2: Preference Claim Form <i>Applicable if claiming preference points. Failure to submit will result in a zero score but will not disqualify submission – Annexure J</i>	YES		YES / NO / Not applicable
Copy of Coida / Letter of Good Standing	YES		YES / NO
Copy of Tax Clearance Certificate	YES		YES / NO
Copy of valid BBBEE Certificate / Affidavit (CERTIFIED)		YES	YES / NO
Are you the accredited representative in South Africa for the goods offered?	YES		YES / NO
Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)		YES	YES / NO
Technical Data Sheet			YES / NO
Attachment 3: Eskom Standard Conditions of Tender	For your info		
Attachment 4: Eskom's General Conditions of Purchase	For your info		
Attachment 5: BBBEE Guidelines	For your info		
Attachment 6: Tender Guidelines	For your info		

C.3.1: FUNCTIONAL ANALYSIS

Technical Evaluation Criteria	Points	Score
Confirmation that kit no. 093046 will be supplied via the OEM & or agent and that it is for the following running units: WP6310 High Pressure, 3 stage water-cooled Reciprocating compressors parts Specification to J. P. Sauer & Sohn WP6310 High Pressure, 3 stage water-cooled Reciprocating compressors specs	35	0 = No confirmation letter or letter not confirming the correct parts or no contactable reference 60 = Letter of confirmation of compliance to specification from OEM or agent.
Experience: Proof of Supply-, Delivery-, installation and commissioning of similar goods and services of J. P. Sauer & Sohn compressors with at least one service/repair done within the last 2 years. References to be contactable	40	0 = no proof for supply, delivery, installation, commissioning of similar goods and services or proof not related to similar compressors. 40 =proof of supply and delivery of similar goods & services with traceable references
SHE requirements submitted as required	25	Submitted as per ANNEXURE C 3: Tender Evaluation Template with listed documents in support.
1 Annexure B Is the acknowledgement of Eskom's OHS legal and other requirements form signed and submitted by the tenderer? 2 OHS plan (Must address the project /scope of work OHS risk(s) and aligned with the health and safety specification or requirements) 3 Baseline OHS Risk Assessment (BRA) Identification, assessment and management of OHS risks related to the scope of work. The methodology used for the risk assessment must be provided together with the BRA 4 Valid Letter of Good Standing (COIDA or equivalent) 5 OHS policy signed by CEO The submitted policy document must comply to OHS Act Section 7	<div>5</div> <div>5</div> <div>5</div> <div>5</div> <div>5</div>	zero points if not submitted. 5 points if submitted and related to Scope of work and up to date

TOTAL POINTS	100	
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c.3.2: **PRICING: Recommend the use of Pricing Tool to get to the Price List**

Proposed Pricing structure on next page

Blow down compressor modification

Supply, deliver, install, commission three blow down compressors based in the underground works at Ingula PSS

Crank shaft sealing between oil gear pump housing and crank shaft.

Include the following parts:

2x ring gasket

1x pressure relieve valve

1x Lubricating Oil Supply

1x oil filter

Oil sufficient for upgrade and then for 50 hour oil change could be supplied via another process: 50 litre per service x 6 service = 300 litre

BUT oil could be sourced via this purchase requisition, hence the price required per litre for a 20 litre drum

Oil – Shell Corena S4 P100

The work needs to be completed to the Eskom Safety, Health, Environmental and Quality standards and to the OEM standards

OEM: J.P. SAUER & SONS with Stocklog the South African agent for the compressors

ITEM	LINE	SERVICES	MEASURE	QUANTITY	RATES/UOM	TOTAL IN RAND	COMMENT
10		SITE ESTABLISHMENT/ OVERHEADS PHASES 1-3		FILES		SUB TOTAL	
10	10	SAFETY FILE PREP	R/ PROJECT	1	EACH		
			PERSONS				
10	20	SHE REQUIREMENTS i.e. Training, Medicals, Induction	R/ PERSON	2	EACH		
10	30	SHE REQUIREMENTS i.e. PPE & OTHER	R/ PERSON	2	EACH		
		PHASES 1-3					
		COMPRESSOR no. 3, 2 & 4 upgrade					
20		SITE ESTABLISHMENT i.e TRANSPORT, ACCOMMODATION & ALLOWANCE MADE FOR MANHOURS SPENT & OTHER EXPENSES ENROUTE . ASSUME PROJECT TO BE DONE IN THREE PHASES, 5 VISITS		frequency		SUB TOTAL	
20	10	SITE ESTABLISHMENT PER VISIT: COMPRESSOR 3, 2&4 & OIL CHANGES	R/ PHASE	5	EACH		
20	20	SUPERVISION & QUALITY ASSURANCE	R/ COMPRESSOR	6	EACH		
		INGULA ON SITE WORK					
30		LABOUR PHASES 1-3: COMPRESSOR 3,2 & 4				SUB TOTAL	
30	10	TECHNICIAN (s)	R/PERSON/HOUR	108	MANHOURS		
30	20	OVERTIME	R/PERSON/HOUR	15	MANHOURS		
30	30	SAT OVERTIME	R/PERSON/HOUR	24	MANHOURS		
30	40	ARTISAN no.1	R/PERSON/HOUR	72	MANHOURS		
30	50	OVERTIME	R/PERSON/HOUR	10	MANHOURS		
30	60	SAT OVERTIME	R/PERSON/HOUR	16	MANHOURS		
30	70	SEMI SKILLED no.1	R/PERSON/HOUR	0	MANHOURS		
30	80	OVERTIME	R/PERSON/HOUR	0	MANHOURS		
30	90	SUN OVERTIME	R/PERSON/HOUR	0	MANHOURS		
40		TRAVEL, ACCOMMODATION & LIVING OUT PHASE 1-3 WHILST ON SITE: COMPRESSOR 3,2 & 4				SUB TOTAL	
40	10	TRAVELLING LDY - INGULA- LDY: DIESEL DRIVEN VEHICLE	R/TRIP/DAY	16	PERSONTRIPS OVER ON SITE PERIOD		
40	20	ACCOMMODATION & LIVING OUT	R PPPN	31	PERSONNIGHTS OVER ON SITE PERIOD		
40	30	LIVING OUT:SUBSISTANCE ALLOWANCE: days	R PPPN	33	PERSONDAYS OVER ON SITE PERIOD		
40	40	DELIVERY OF SPARES. ALLOW FOUR DELIVERY TRIPS BUT ONLY ACTUAL TO BE PAID	R/ DELIVERY	4	EACH		
50		PHASES 1-3				SUB TOTAL	
50	10	EQUIPMENT & TOOLS, MATERIALS/ SPARES					
		TOOLS & EQUIPMENT	R/ COMPRESSOR SERVICE	6	EACH		
		PHASES 1-3					
		MATERIAL					
50	20	OEM KIT no. 93046	R/ KIT	3	EACH		
		PHASES 1-3					
		OTHER					
50	30	SUNDRIES/ CONSUMABLES	R/ COMPRESSOR SERVICE	6	EACH		
60	10	OIL	R/LITRE	20		SUB TOTAL	
		TOTAL	10+20+30+40+50+60		GRAND TOTAL		

2. Scope of work/supply

Three Blow down compressor modifications to be done on site within the required safety, health & environmental as well as to the quality requirements of Eskom and the technical requirements of the OEM.

Supply, deliver, install, commission and hand over the three upgraded blow down compressors based in the underground works at Ingula PSS.

The compressor no. 3 to be done by the end of Sep 2022 followed by no. 2 & 4.

The work on no. 3 could also be done after major repairs done depending on the availability of spares and resources but most likely over two phases.

Phase 1 = Compressor 3 upgrade after major repairs to no.3 scheduled for repairs by others.

Phase 2 = Compressors 2 & 4 upgrade concurrent with 8000 hour services of no. 2& 4 in 6 months time.

3 (three) days per compressor will be allowed as a target to complete the upgrades. This period will include test running, witnessing and reporting on the performance per compressor.

Phase 3= 50 hr oil changes and inspection on the performance of the compressors and reporting will be required i.e.

Another 1.5 days per compressor will be allowed for the 50 hr service.

These 50 hour services will be on three different timeslots and assumed not to take place over the same period.

The pricing structure to include:

- SHE file and Quality Assurance file preparation
- Site establishment:
 - Two return trips for upgrading of the 3 compressors but if the work is done over a continuous period only one site establishment will be paid.
 - Another three return trips for the 50 hr oil change and inspections for the 3 compressors to be allowed for but if the work is done over a continuous period only one site establishment will be paid
- Crank shaft sealing between oil gear pump housing and crank shaft and oil filtration system upgrade (The main focus of the Scope of Work)
- 100 litres of oil will be required per compressor, but could be excluded and supplied via another process.
- Reporting on performance per compressor after upgrade and after 50 hr service

5. Specification of Product or Goods

Spares to be supplied to be as per upgrade kit from OEM, kit no. 093046 consisting of the following components.

Crank shaft sealing between oil gear pump housing and crank shaft, includes the following parts: 2x ring gasket 1x pressure relieve valve 1x Lubricating Oil Supply 1x oil filter.

Oil – Shell Corena S4 P100 for 3 compressors (allow for 50 litres /compressor per service x 6 services = 300 litres)

Compressor description:

WP6310 High Pressure, 3 stage water-cooled Reciprocating compressors parts Specification to J. P. Sauer & Sohn WP6310 High Pressure, 3 stage water-cooled Reciprocating compressors specs

May also be used to expand and explain on the quality of the product or service required.

Description of Service/ product that needs to be provided (Use high level and short text format), and if necessary, add a spreadsheet.

Blow down compressor modification

Supply-, deliver-, install components as listed below , commission and hand over three upgraded blow down compressors based in the underground works at Ingula PSS.

Component kits:

Crank shaft sealing between oil gear pump housing and crank shaft.

Include the following parts:

2x ring gasket

1x pressure relieve valve

1x Lubricating Oil Supply

1x oil filter

Oil sufficient for upgrade and then for 50 hour oil change

Allow for 100 litre per compressor

The work needs to be completed to the Eskom Safety, Health, Environmental and Quality standards and to the OEM standards

OEM: J.P. SAUER & SONS with Stocklog the South African agent for the compressors

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