



RUBEK BALOONS PVT LTD

Rubber Park, Irapuram
Valayanchirangara P O
Ernakulam, Kerala-683556
Tel:0484-2655545/46/47
www.rubekballoons .com

TENDER DOCUMENT FOR PURCHASE OF ROTARY SCREW AIR COMPRESSORS WITH REFRIGERATION TYPE AIR DRYER & AIR RECEIVER

TENDER SUBMITTED B Y: (FULL ADDRESS WITH EMAIL & MOBILE NUMBER)

_Pin code No._____
Email id:_____
Mob No._____

NOTICE INVITING TENDER

TENDERS ARE INVITED FROM REPUTED MANUFACTURERS WHO MEET THE PRE QUALIFICATION CRITERIA FOR DESIGN, MANUFACTURING, SUPPLY, ERECTION & COMMISSIONING OF **ROTARY SCREW AIR COMPRESSORS WITH AIR DRIER AND AIR RECEIVER** AS PER DETAILED SPECIFICATIONS CONTAINED IN ANNEXURE III OF THIS TENDER FOR OUR PLANT at RUBBER PARK IRAPURAM VALAYANCHIRANGARA PO ERNAKULAM KERALA

Tender Type	Two bid (technical bid and price bid)
Tender Number	RBPL/214
Mode of submission	Direct or by post
Dates of sale of tender documents:	29/10/2018
Technical bid meeting	12/11/2018, 10.00 am
Closing date and time for receipt of tenders	15/11/2018, 05.00 pm
Time and date of opening of tenders	16/11/2018, 02.00 pm
Offer validity	60 days
Preferred Delivery period	4 months
For commercial and technical queries contact	Mr.ARUN T , Factory Manager Tel: 0484-2655545/46/47 Email:fmgrubek@gmail.com, production.rubek@gmail.com
Biddersareinformedtochecktenderlinkon Rubek Balloonswebsite www.rubekballoons.com	
Address to submit the tender document (SEPARATE TENDERS TO BE GIVEN FOR COMPRESSOR, SS TANK AND TRANSFORMER)	Managing Director Rubek Balloons Pvt Ltd, Rubber Park, Irapuram, Valayanchirangara P.O, Ernakulam 683536. Tel: 0484-2655545/46/47 (Please mention tender number on the envelop)

VENDOR UNDERTAKING

WE HAVE STUDIED THE TENDER DOCUMENT CAREFULLY AND HAVE QUOTED OUR LOWEST RATE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, TERMS & CONDITIONS AND SPECIAL TERMS & CONDITIONS AS LAID DOWN IN THE TENDER DOCUMENT. WE ALSO CONFIRM TO HAVE ACCEPTED ALL TERMS & CONDITIONS AND SPECIAL TERMS & CONDITIONS.

Signature of the Tenderer

PRE-QUALIFICATION / TECHNICAL BID

Pre-Qualification / Technical bid of Bidders fulfilling the qualification criteria as mentioned below will only be considered for commercial evaluation.

- A. The bidder should be a reputed manufacturer/dealers of “Screw Type Rotary Compressors”. The bidder should have good credentials by way of past supplies of equipment listed in the tender to MNCs or Public Ltd Co’s or Public Sector Undertaking customers.
- B. The bidder should have a minimum experience of 10 years in the manufacture/supply and commissioning of “Screw Type Rotary Compressors”
- C. The bidder should have supplied to reputed Industrial product manufacturers a minimum of 10 nos [Ten] “Screw Type Rotary Compressors” of 500 cfm or of higher capacity during the past 5 years.
- D. The bidder should have valid GST Registration
- E. Company Brochure, product brochure should be furnished.
- F. The bidder should have after sales service facility
- G. **Annexure II to be signed & stamped on all pages denoting acceptance of all technical specifications, etc. contained therein.**

Bidders may kindly refer to Annexure I for list of documents required to be submitted against Pre-Qualification criteria.

Please note that bids not fulfilling the pre-qualification/technical criteria will not be considered for further evaluation.

Signature of the tenderer.

ANNEXURE I

PRE-QUALIFICATION / TECHNICAL BID

<i>PRE QUALIFYING CRITERIA CLAUSE</i>	<i>DOCUMENT TO BE SUBMITTED</i>
<i>A</i>	<i>SELF CERTIFICATION WITH DETAILS</i>
<i>B</i>	<i>FACTORY LICENSE/ CERTIFICATE OF DEALER SHIP</i>
<i>C</i>	<i>COPY OF UNPRICED PURCHASE ORDERS</i>
<i>D</i>	<i>COPY GST REGISTRATION</i>
<i>E</i>	<i>COMPANY BROCHURE,PRODUCT BROCHER</i>
<i>F</i>	<i>SELF CERTIFICATION OF SERVICE CENTRE ADDRESS IN KERALA,INDIA</i>
<i>G</i>	<i>ANNEXURE I TO BE SIGNED & STAMPED ON ALL PAGES DENOTING ACCEPTANCE OF ALL TECHNICAL SPECIFICATIONS, ETC. CONTAINED THEREIN I</i>

Signature of the tenderer.

ANNEXURE-II

TENDER SPECIFICATIONS / REQUIREMENT FOR ROTARY SCREW AIR COMPRESSOR ,AIR DRIER AND AIR RECEIVER

1. MIN 500 CFM ROTARY SCREW AIR COMPRESSOR (VARIABLE SPEED)

The required Rotary Screw Air Compressor shall be of following specifications :

Single stage, Stationary, Oil free/ Oil injected, Variable speed Electrical Motor driven, Rotary screw Air compressor (Air cooled) equipped with Microprocessor based control panel.

CAPACITY (FREE AIR DELIVERY) : MIN 500 cfm at7 bar

OPERATING RANGE OFFREE AIR DELIVERY : 100 CFM - 500 CFM

NORMAL WORKING PRESSURE : 7 bar

MAXIMUM WORKING PRESSURE : 13 bar

MOTOR : Three Phase TEFC Squirrel cage AC Induction motor, with IP55 protection and class F insulation. Motor Efficiency as per IE3

NOISE LEVEL : 75 +/- 5 db (A)

CONTROL MODE: The speed of the **air end** shall be continuously varied in order to regulate the FAD to exactly suit the demand (**Pressure dependent**). When used with an air receiver of sufficient capacity, a pressure consistency of +/- 0.1 bar shall be achievable.

If demand falls to a level below the compressor minimum speed delivery, pressure sensor shall shut down and ventilate the compressor. The same sensor shall re-start the compressor under frequency controlled run-up when demand resumes.

CONTROL /REGULATION SYSTEM:Microprocessor based control panel for monitoring the status of compressor and automatic regulation of the unit within a narrow pressure band for economic and efficient operation

The Tenderer should also mention the consumption of below mentioned items:

SR.NO	SPARE PART NAME	WORKING LIFE (HRS)	COST/UNIT
1	AIR FILTER		
2	OIL FILTER		
3	AIR OIL SEPARATOR		
4	Other consumable items		

The Vendor should also mention the following data with reference to recommended oil for the compressor.

SR. NO.	ATTRIBUTES	
1	TYPE OF OIL	
2	LIFE OF OIL	
3	FIRST FILL QTY.	
4	TOP UP QTY.	
5	FREQUENCY OF TOP UP	

The vendor should also provide the following details w.r.t electrical power consumption.

1) KW rating of Main Motor

Efficiency of Main Motor

2) KW rating of cooling fan Motor

Efficiency of Cooling fan motor

2. REFRIGERATION TYPE AIR DRYER, PRE FILTER AND POST FILTER

Refrigeration type Air Dryer

- i) The Air Dryer should be suitable supplying **min 500cfm** output at 7 bar pressure
- ii) Dew point Temperature at the outlet pressure = +2° C to -3° C
- iii) condenser: air cooled
- iv) with all other accessories required

List of consumable items in refrigerated air drier (The Tenderer should also mention the consumable items below)

SR.NO	SPARE PART NAME	WORKING LIFE (HRS)	COST/UNIT
1	AIR PREFILTER		
2	AIR AFTER FILTER		
3	Other consumable items		

3. VERTICAL AIR RECEIVER

Capacity:2 M3

Vertical air receiver shall be manufactured in accordance with ASME section VIII Division 1/is 2825 design code . Material of construction for Shell and dish end shall be IS 2002 Grade 2 or SA 516 Grade 60/70. It shall be complete with safety relief valve, pressure gauge, manual drain cock, counter flange & hardware, autodrain valve, air shut of valve. It shall be designed for 10 bar (g).

Signature of the Tenderer.

GENERAL TERMS & CONDITIONS

- 1) Four free service visits should be given by the supplier effective from the date of commissioning.
- 2) Installation & Commissioning of the Compressor, filters, pipelines, valves and dryer will be done by the tenderer
- 3) Warranty - 12 months from the date of commissioning for the dryer and as given by OEM for ref. compressor.
- 4) Operation and maintenance manual should be supplied by the firm, along with the wiring diagram if any along with the supply.
- 5) Firm should submit leaflets of the driers along with the quotation.

Supplier should provide test certificates for receiver.

SPECIAL TERMS & CONDITIONS

Purpose of Contract:

This contract is for supply, erection & commissioning of “**Air Cooled Type Rotary Screw Air Compressors with air drier and Air Receiver**”.

- a. All the rates given in the Price Bid should be expressed both in words and in figures and where there is difference between two, and rates given in the words will be authentic.
- b. Bidder should quote in the Price Bid format. Your quotation should contain all the elements such as Basic price, GST and Freight should be shown separately.

1. Scope of work

Supply and commissioning of screw type air compressor, air drier, air receiver with all accessories.

2. The tenderer is expected to quote in accordance with the terms and conditions of the Company. Printed Standard conditions which may accompany the quotation of the tenderer will not be acceptable

3. Delivery / Erection & Commissioning

- I. Delivery – Within 4 months from the date of issue of Purchase Order.
- II. Erection & commissioning - Within 4 Weeks from the date of receipt of equipment at the site.

4. Tender Evaluation

The tender will be finalized normally on the basis of Lowest Nett delivered price having regard to the brand, quality and other parameters and there is no commitment on the part of the company to accept the lowest quoted tender.(NDP)

AnnexureIII

5. The company reserves the right to accept any tender in whole or in part and reject any or all tenders.

6. Testing & Inspection

The Rotary Screw Air Compressor with Air Receiver shall function to such capacities and / or outputs as defined in the specifications and shall meet the specifications prescribed in the Technical specification The bidder shall carry out all the relevant test, adjustments and inspection before dispatch of the machines.

7. Packing & Marking

The Equipment should be so packed to withstand the hazards normally encountered with the means of transport, including loading and unloading operation. Fragile items should be packed with special packing materials depending on the type of material. All protrusions shall be suitably protected. The successful bidder shall be held liable for all damages or breakages to the Machine(s)/Equipment(s) due to defective or insufficient packing.

All packages should be marked for easy identification

8. Erection & Commissioning

The bidder shall depute its engineer(s) for erection / commissioning of the equipment/machine at the project site in **Rubber Park, Irapuram, Valayanchirangara, Ernakulam,Kerala.** . The engineer(s) will train our technician(s) on operation and routine maintenance of the machine.

9. Guarantee/ Warranty

The manufacturer / supplier / bidder shall provide in writing necessary guarantee /warranty that the equipmentdesigned, manufactured and supplied to Rubek balloons shall be new and free from defects in material, workmanship and design & construction and it will perform in accordance to the specification for a period of 12 months from the date of commissioning of the machine. In the event of any deviation / non performance as per technical specification , the successful bidder will ensure repairing of the equipment / defective part(s) failing which will give free replacement with new machines or defective parts or adjust the proportionate claim from the 10% retention money/Performance Guarantee

10. Operation / Maintenance Manual

The bidder shall provide along with the machine two sets (Hard and Soft copy) of operation and maintenance manual (in English) including manuals for mechanical /

electrical function, assembly drawings, hardware / software program, pneumatic diagram, troubleshooting chart and preventive maintenance schedule of the machine parts, etc.

11. Submission of tender will mean that the bidder have fully understood and accepted the terms and conditions of tender. Any subsequent revision on the same by the tenderer will not be considered and may lead to rejection of tender.

12. RETENTION MONEY towards PERFORMANCE GUARANTEE

5 % (Five percent) of the total order value will be retained by Rubek balloons as retention money for one year from the date of commissioning or 18 months from date of Despatch, whichever is earlier, towards performance guarantee.. The retention money will be returned after the due period provided there is no defect from the equipment supplied.

13. LIQUIDATED DAMAGES FOR DELAY IN DELIVERY / QUALITY PROBLEMS

Successful bidder shall have to pay to the company by way of liquidated damages and not as penalty an amount equal to 0.5% of the value of the equipment/s delayed for each week or part thereof, subject to maximum of 5% of the total order value.

Signature of the Tenderer

ANNEXURE – III A

**PRICE BID FOR ROTARY SCREW AIR COMPRESSORS
WITH AIR RECEIVER– TO BE FILLED BY BIDDER**

Srl. No.	Description	Quantity	Rate (Rs.)	Amount ()
1	Supply of “ min 500 cfm(FAD) at 7 bar pressure, Air Cooled Type Rotary Screw Air Compressors [Variable Speed] as per technical specifications given in the tender document.	One		
2	Vertical Air Receiver with auto drain and all other accessories–Capacity 2 M³	One		
3	GST % (for compressor).....%			
4	GST % (for air receiver).....%			
5	Total			
6	Rebate offered (If any).....%			
7	Freight Charges (To Rubek balloons)	Lump sum		
8	NET DELIVERED PRICE [Rs.][A]			
9	Erection & Commissioning Charges			
10	GST			
11	Total [B]			
Total [A+B]				
In Words – (Rupees.				

Signature of the Tenderer

ANNEXURE – III B

PRICE BID FOR REFRIGERATED AIR DRIER – TO BE FILLED BY BIDDER

Srl. No.	Description	Quantity	Rate (Rs.)	Amount ()
1	Supply of “ min 500 cfm(FAD) at 7 bar pressure, refrigerated air drier with pre filter after filter and all other accessories as per technical specifications given in the tender document.	One		
2	GST %%			
3	Total			
4	Rebate offered (If any).....%			
5	Freight Charges (To Rubek balloons)	Lump sum		
6	NET DELIVERED PRICE [Rs.][A]			
7	Erection & Commissioning Charges			
8	GST			
9	Total [B]			
Total [A+B]				
In Words – (Rupees.				

Signature of the Tenderer

Grand total (Annexure – III A+ Annexure – III B)	
In words	

I / We have studied the Tender Documents carefully and have quoted our lowest rates, in accordance with the **Technical Specifications Special Terms and Conditions and General Terms & Conditions** as laid down in the Tender Documents.

Company Seal :

Signature of the Tenderer

Signature :

Name :

Designation :

Company :

TENDER FORM

To
Managing Director
Rubek balloons Pvt Ltd
Rubber park,Irapuram
Valayanchirangara PO
Ernakulam ,Kerala-683556

Ref: RBPL/206/02

We, the undersigned have examined the above mentioned tender enquiry document, the receipt of which is hereby confirmed. We now offer to **SUPPLY, ERECTION & COMMISSIONING OF ROTARY SCREW AIR COMPRESSORS WITH AIR DRIER AND AIR RECEIVER** in conformity with your above referred document for the sum of
.....(total tender amount in figures and words), as shown in the price bid(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in terms and conditions.

We agree to keep our tender valid for acceptance for a period up to 60 days as required in the tender bnotice.We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

(Signature with date)
..... (

Name and designation)

Duly authorized to sign tender for and on behalf of
.....