

**बिड दस्तावेज़ / Bid Document**

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	06-03-2026 15:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	06-03-2026 15:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	120 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Finance
विभाग का नाम/Department Name	Department Of Economic Affairs
संगठन का नाम/Organisation Name	Security Printing And Minting Corporation Of India Limited (spmcil)
कार्यालय का नाम/Office Name	3rd Floor Tower G World Trade Centre Nauroji Nagar
कुल मात्रा/Total Quantity	22
वस्तु श्रेणी /Item Category	Item 1 , Item 2 , Item 3 , Item 4 , Item 5 , Item 6 , Item 7
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Festo cylinder valve and regulator
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Hydraulic Cylinder and Hand Pump Set, Electric Pedestal Type Fan and Regulator as per IS 1169, Pressure Safety Valve, Pressure and Vacuum Relief Valve, Electric Table Type Fan and Regulator (V2) Conforming To IS 555, Fully Reinforced Composite Cylinders (FRCC) - Empty and Transportable (V2), Air Circulator Type Electric Fan and Regulator (V2) Conforming To IS 2997, Fittings and Accessories for Power Transformer, Drain Valve and Flanges as per IS:3639, Flush Valves and Fitting for Water Closets and Urinals, Stationary Valve Regulated Lead Acid Batteries (V3) Conforming To IS 15549
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> <li>Hydraulic Cylinder and Hand Pump Set</li> </ul>
बीओक्यू शीर्षक /BOQ Title	Procurement of Festo cylinder valve and regulator
वर्षों के अनुभव के लिए एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience	Yes   Complete
वर्षों के अनुभव के लिए स्टार्टअप को छूट प्राप्त है / Startup Relaxation for Years Of Experience	Yes   Complete

बिड विवरण/Bid Details	
<b>विक्रेता से मांगे गए दस्तावेज़/Document required from seller</b>	Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
<b>क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?</b>	No
<b>बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension</b>	1
<b>दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended</b>	7
<b>ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count</b>	3
<b>बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled</b>	Yes
<b>रिवर्स नीलामी योग्यता नियम/RA Qualification Rule</b>	H1-Highest Priced Bid Elimination
<b>बिड का प्रकार/Type of Bid</b>	Two Packet Bid
<b>प्राथमिक उत्पाद श्रेणी/Primary product category</b>	Item 7
<b>तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation</b>	2 Days
<b>निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	No
<b>मूल्यांकन पद्धति/Evaluation Method</b>	Total value wise evaluation
<b>मध्यस्थता खंड/Arbitration Clause</b>	No
<b>सुलह खंड/Mediation Clause</b>	No

#### ईएमडी विवरण/EMD Detail

आवश्यकता/Required	No
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#### ईपीबीजी विवरण /ePBG Detail

आवश्यकता/Required	No
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बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

#### एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	No
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#### एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within L1+X%	15
सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference	25

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
3. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1\\_4\\_2021\\_PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.
4. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

5. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

## Item 1

### तकनीकी विशिष्टियाँ /Technical Specifications

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Biplab Basak	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	4	60

## Item 2

### तकनीकी विशिष्टियाँ /Technical Specifications

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

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### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

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1	Biplab Basak	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	4	60

### Item 3

#### तकनीकी विशिष्टियाँ /Technical Specifications

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

#### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Biplab Basak	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	4	60

### Item 4

#### तकनीकी विशिष्टियाँ /Technical Specifications

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

#### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Biplab Basak	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	2	60

### Item 5

#### तकनीकी विशिष्टियाँ /Technical Specifications

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

#### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Biplab Basak	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	2	60

### Item 6

#### तकनीकी विशिष्टियाँ /Technical Specifications

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

#### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Biplab Basak	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	2	60

## Item 7

### तकनीकी विशिष्टियाँ /Technical Specifications

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Biplab Basak	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	4	60

### केता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

#### 1. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

#### 2. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

#### **ADDITIONAL TERMS & CONDITIONS (ATC)**

**1. Required Terms of Delivery:** F.O.R. Security Paper Mill Narmadapuram (Duly Unloaded).

**2. Destination:** Security Paper Mill, Narmadapuram (M.P.)-461005

**3. Payment Terms:** 100% on receipt and acceptance (suitability) of goods by the SPM, Narmadapuram and on production of all required documents by the supplier.

**4. Bidder Should Quote Prices Inclusive of GST And All Cost Components Such As Packing & Forwarding Details, Freight & Insurance Charges up to Destination etc. on FOR Security Paper Mill, Narmadapuram (Madhya Pradesh), India basis only.**

**5. Liquidated Damages (LD) Clause:** If the contractor fails to deliver the goods and/or services or any instalment thereof within the Delivery Period, SPM Narmadapuram shall, without prejudice to other rights and remedies available to SPM, Narmadapuram under the contract, deduct from the contract price, as Liquidated damages, a sum equivalent to the rate of 0.5 per cent of the delivered price of the delayed goods and/or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% of the delayed goods or services.

**6. The terms and conditions, guidelines of SPMCIL Procurement Manual Version 3.0 will be applicable to this bid at any stage to avoid any conflict at later stage. Kindly refer General Instructions to Tenderer ( GIT) and General Conditions of Contract (GCC) of SPMCIL Procurement Manual Version 3.0 for additional terms and conditions as per the links given below:**

**G I T: <https://www.spmcil.com/wp-content/uploads/2024/06/GIT-3.0-1.pdf>**

**G C C: <https://www.spmcil.com/wp-content/uploads/2024/06/GCC-3.0-1.pdf>**

**7. SPM (as Buyer) is liable to deduct TDS u/s 194Q @ applicable rate on goods purchases (if applicable). In case of deduction of TDS under section 194Q; the Supplier (Vendor) need not to charge TCS u/s 206C (1H) on invoicing on or after 01.07.2021.**

**8. Vendor has to submit declaration in specified format (refer Buyer added Specific ATC) for the compliance of Section 206AB of Income Tax Act, 1961. In case of non-submission of declaration; TDS will be deducted at higher rates (as applicable) as per section 206AB.**

**9. GST Return:** Supplier should file the GST returns for outward supplies in time. In case of any Input Credit Loss to SPM by way of their failure to file GST Returns in time, SPM reserves the right to withhold the payment of further supplies

till production of evidence of filling of Returns.

**10. Delivery period:** 60 days for the supply of material (Duly Unloaded) at SP M Narmadapuram as per tender technical specification.

**11. Bidder shall submit duly seal & signed copy of Technical Specifications, GeM bid document.**

**12. Option Clause:**

The Purchaser reserves the right to increase/decrease the ordered quantity by up to 25% at any time, till final delivery date of the contract (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of Delivery Period (or the extended delivery period of the contract).

**13. WARRANTY CLAUSE:**

13.1 The warranty shall remain valid for Twelve months after the goods have been delivered to the final destination and accepted by SPM in terms of the contract or for fifteen months from the date of dispatch from the supplier's premises for domestic goods whichever is earlier.

13.2 In case of any claim arising out of this warranty, SPMCIL shall promptly notify the same in writing to the supplier.

13.3 Upon receipt of such notice, the supplier shall, with all reasonable speed replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/ goods after providing their replacements and no claim, whatsoever shall lie on SPM for such replaced parts/ goods thereafter.

13.4 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/ replaced goods shall be extended to a further period of twelve months from the date such rectified / replaced goods starts functioning to the satisfaction of SPM.

13.5 If the supplier, having been notified, fails to rectify/replace the defect(s) within a reasonable period SPM may proceed to take such remedial action(s) as deemed fit by SPM, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which SPM may have against the supplier.

**14. SHORT CLOSE/ TERMINATION OF CONTRACT:**

The Chief General Manager, Security Paper Mill, Narmadapuram, reserve the right at any stage by giving one week's notice without assigning the reason:-

(i) To short close or terminate the order at any time during process of supply against our supply order.

## **15. Resolution of Disputes:**

If dispute or difference of any kind shall arise between SPM, Narmadapuram and the supplier in connection with or relating the contract, the parties shall make every effort to resolve the same amicably by mutual consultations. If the parties fail to resolve their dispute or difference by such mutual consultation within 21 days of its occurrence, then, unless otherwise provided in the SCC, either SPM, Narmadapuram or the supplier may seek recourse to settlement of disputes through arbitration act 33.2.

### **3. Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

## **अस्वीकरण/Disclaimer**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for attached categories, trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of

this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

**All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.**

**For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.**

**The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:**

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

**All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.**

[\*\*यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions\*\*](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस नियिदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---धन्यवाद/Thank You---**

## **Technical Specification**

### **Item No. 1: Pneumatic Cylinder, DNC-50-100**

ISO cylinder DNC-50-100-PPV-A Part number: 163373

Make : FESTO

Stroke: 100 mm,

Piston diameter: 50 mm

Piston rod thread M16x1.5

Cushioning :Pneumatic, cushioning : adjustable at both ends ,Conforms to standard ISO 15552, Piston&#02;Position detection: Via proximity switch

Variants :Piston rod at one end ,

Operating pressure :0.06 MPa...1.2 MPa 0.6 bar...12 bar,

Mode of operation: Double-acting ,Operating medium: Compressed air

Corrosion resistance class :CRC 2 - Moderate corrosion stress ,LABS (PWIS) conformity VDMA24364-B1/B2-L ,

Cushioning length 22 mm ,

Theoretical force at 0.6 MPa (6 bar, 87 psi),

return stroke 990 N

Theoretical force at 0.6 MPa (6 bar, 87 psi),

advance stroke 1178 N

Type of mounting: Via female thread With accessories

Pneumatic connection :G1/4

Make : FESTO/ Equivalent

## **Technical Specification**

### **Item No. 2: Single Solenoid valve, CPE18**

Solenoid valve CPE18-M1H-5L-1/4 Part number: 163142

Make : FESTO

Valve function 5/2-way, monostable

Type of actuation : Electric

Construction width: 18 mm

port: G1/4

Operating voltage : 24V DC

Operating pressure: 0.25 MPa...1 MPa, 2.5 bar...10 bar

Design :Piston gate valve

Type of reset : Pneumatic spring

Degree of protection IP65 With plug socket To IEC 60529

Nominal size: 8 mm

Exhaust-air function: With flow control option

Sealing principle: Soft

Mounting position :optional

Manual override Detenting via accessory Non-detenting

Type of piloting :Pilot actuated

Pilot air supply: Internal

Flow direction : Non-reversible

Switching time :off 20 ms ,Switching time :on 26 ms, Duty cycle 100%

Max. positive test pulse with 0 signal: 3300  $\mu$ s

Max. negative test pulse with 1 signal : 3100  $\mu$ s

Make : FESTO/ Equivalent

## **Technical Specification**

### **Item No 3: Reed Switch, SMT0 1 PS**

Proximity sensor SMT0-1-PS-S-LED-24-C Part number: 151685

Make : FESTO

Design :Block design ,

Based on standard :EN 60947-5-2 Symbol 00991153, Approval :RCM trademark

Measured variable :Position

Measuring principle: Magneto-inductive

Ambient temperature -25 °C ... 70 °C

Repetition accuracy :0.2 mm

Switching output : PNP Switching

element function :N/O contact, Hysteresis :0.1 mm ... 1.5 mm

Switch-on time: ≤1 ms ,Switch-off time: ≤1 ms Max.

switching frequency 1000 Hz Max.

output current 200 mA Max.

switching capacity DC 6 W ,Voltage drop ≤3 V . Inductive protective circuit Adapted to: MZ,

MY, ME coils ,Off-state current ≤0.01 mA ,Short circuit current rating Pulsed Overload

protection: Available .

Operational voltage range :DC 10 V ... 30 V

Residual ripple 10 % ,Reverse polarity protection For all electrical connections Electrical

connection 1, connection type: Plugs ,Electrical connection 1, connector system: M8x1,

A&#0226;coded, to EN 61076-2-104 Electrical connection 1, number of connections/cores : 3,

Electrical connection 1 : type of mounting Snap-locking Screw-type lock Not rotatable

.Electrical connection 1: compatible type of mounting ,Compatible with latching lock

,Compatible with rotatable screw-type lock.

Make : FESTO/ Equivalent

## **Technical Specification**

### **Item No 4: Filter Regulator MS6-LFR-1/2-D7-ERV-AS**

Filter regulator MS6-LFR-1/2-D7-ERV-AS item: 529190

Make : FESTO

Size :6

Series :MS,

Actuator lock: Rotary knob with detent can be closed with accessories

Mounting position: Vertical +/-5°

Grade of filtration :40 µm

Condensate drain: Fully automatic, Manual, non-detenting

Design: Filter regulator with pressure gauge

Max. condensate volume :38 ml

Controller function: Output pressure constant With secondary venting

Bowl guard :Plastic bowl guard, Degree of condensate separation: 75 %

Pressure gauge (ANALOG) or Pressure display (DIGITAL) :With pressure gauge Operating pressure :0.2 MPa...1.2 MPa 2 bar...12 bar

Pressure regulation range: 0.5 bar...12 bar

Max. pressure hysteresis 0.025 MPa 0.25 bar 3.625 psi

Standard nominal flow rate (standardized to DIN 1343) :4500 l/min

Operating medium Compressed air

Pore size: 40 µm

Make : FESTO/ Equivalent

## **Technical Specification**

### **Item No 5: On/Off Valve MS6-EM1-1/2**

On/off valve MS6-EM1-1/2 Part number: 541267

Make : FESTO

Design : Rotary gate valve,

Type of actuation :Manual

Exhaust-air function :Without flow control option,

Type of piloting: Direct

Symbol 00991670

Valve function :3/2 bistable

Operating pressure 0 bar ... 18 bar

C value: 30.8 l/sbar

b value 0.57

Standard nominal flow rate (standardised to DIN 1343): 8700 l/min

Operating medium: Compressed air

Type of mounting Either: In-line installation With accessories Mounting position optional

Flow direction Non-reversible

Pneumatic connection, port 1 G1/2

Pneumatic connection, port 2 G1/2

Pneumatic connection, port 3 G1/2

Material seals TPE-U(PU)

Material housing Die-cast aluminum

Make : FESTO/ Equivalent

## **Technical Specification**

### **Item No 6: Branching Module MS6-FRM-1/2**

Branching module MS6-FRM-1/2 Part number: 529853

Make : FESTO

Operating pressure 0 bar ... 20 bar

Standard nominal flow rate in main flow direction 1->2 14700 l/min

Standard nominal flow rate, outlet upwards 4400 l/min

Standard nominal flow rate, outlet downwards 4600 l/min

Operational voltage range AC 0 V ... 250 V

Operational voltage range DC 0 V ... 125 V

Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases

connection, port 1 G1/2 Pneumatic connection, port 2 G1/2 Pneumatic connection, port 3

G1/2 Pneumatic connection, port 4 G1/2 Note on materials RoHS-compliant Material

housing Die-cast aluminium

Make:FESTO/Equivalent

## **Technical Specification**

### **Item No 7: Solenoid valve MFH-5-1/4**

Solenoid valve MFH-5/3E-1/4-B Part number: 19786

Make : FESTO

Valve function: 5/3 exhausted

Type of actuation: Electric

Construction width: 32 mm

Standard nominal flow rate (standardised to DIN 1343) 1600 l/min pneumatic working port: G1/4

Operating pressure: 0.3 MPa ... 1 MPa

Operating pressure: 3 bar ... 10 bar

Design :Piston gate valve

Type of reset :Mechanical spring

Nominal size :10 mm

Grid dimension :33 mm

Exhaust-air function :With flow control option

Soft Mounting position optional Manual override Non-detenting Type of piloting: Pilot actuated

Pilot air supply: Internal

Flow direction: Non-reversible

lap :Overlap ,b value :0.38, C value: 6.35 l/sbar ,

Max. switching frequency :3 Hz ,Switching time :off 32 ms ,Switching time :on 23 ms ,

Switching time reversal: 37 ms ,Max. positive test pulse with 0 signal: 2200  $\mu$ s

Max. negative test pulse with 1 signal: 3700  $\mu$ s

Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]

Make : FESTO/ Equivalent

### **Technical Specification**

Terms & conditions for all 1 to 7 items:-

1. The firm shall provide the product catalogue along with the BID.
2. The offered equivalent product shall be dimensionally & functionally one to one replacement on the machine. Any deviation & modification n machine will not be accepted.
3. The firm shall provide minimum 1year warranty for the offered product

**(To be submitted on the Letter Head)**

**DECLARATION**

We do hereby declare that,

1. We have not been blacklisted/debarred by DoE, MoF, GoI; DEA, MoF, GoI; SPMCIL; procuring unit of SPMCIL for participation in tenders. The information provided above is correct and true to the best of my knowledge and belief.
2. We do hereby declare that we have read and understood all terms and conditions of tender document including GIT, SIT, GCC, SCC, Technical Specification, Quality Control Criteria and confirm to abide to those conditions without any counter conditions.
3. We are accepting all the terms and condition as per Buyer Added Bid Specific ATC (Acceptance of Gem Bid).
4. We are accepting all the terms and conditions of the tender document without any deviation and withdraw all deviations if any.

Signature.....

Name.....

Designation.....

Date.....

Stamp of the Organization.....

**ANNEXURE-II**

**(To be submitted on the Letter Head)**

**DECLARATION**  
**(Refer GIT Clause No.3.5)**

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I certify that M/s..... (Firm's name) is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that M/s..... (Firm's name) fulfils all requirements in this regard and is eligible to be considered." (Where applicable, evidence of valid registration by the competent Authority shall be attached)"

I, the undersigned, declare that the item ..... originates in..... (Name of the country).

Signature.....

Name.....

Designation.....

Date.....

Stamp of the Organization.....

Item Num	Item Title	Item Descr	Item Quan	Unit of Me	Consignee	Delivery Period (In number of day)
1	Item 1	Pneumatic	4	EA	Biplab.Basis	60
2	Item 2	Single Sole	4	EA	Biplab.Basis	60
3	Item 3	Reed Switc	4	EA	Biplab.Basis	60
4	Item 4	Filter Regu	2	EA	Biplab.Basis	60
5	Item 5	On/Off Val	2	EA	Biplab.Basis	60
6	Item 6	Branching l	2	EA	Biplab.Basis	60
7	Item 7	Solenoid va	4	EA	Biplab.Basis	60