

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	26-09-2023 15:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	26-09-2023 15:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	120 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Finance
Department Name/विभाग का नाम	Department Of Economic Affairs
Organisation Name/संगठन का नाम	Security Printing And Minting Corporation Of India Limited (spmci)
Office Name/कार्यालय का नाम	Janpath
Total Quantity/कुल मात्रा	2
Item Category/मद केटगरी	DKM Pump model Type super JCAMP112/16 (Q3) , DKM Pump model Type super JCAMP112/20 (Q3)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (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
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Primary product category	DKM Pump model Type super JCAMP112/20
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No

Bid Details/बिड विवरण**Evaluation Method/मूल्यांकन पद्धति**

Total value wise evaluation

EMD Detail/ईएमडी विवरण

Required/आवश्यकता

No

ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता

No

Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता

Yes

MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता

Yes

1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
3. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .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.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs 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 the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. 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. 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 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.

5. 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.

DKM Pump Model Type Super JCAMP112/16 (1 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज	Download
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Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Balbir Singh Prajapati	461005, Security Paper Mill , Narmadapuram , Madhya Pradesh	1	180

DKM Pump Model Type Super JCAMP112/20 (1 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification
Document/क्रेता विशिष्टि दस्तावेज़

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Balbir Singh Prajapati	461005, Security Paper Mill ,Narmadapuram , Madhya Pradesh	1	180

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

1. Generic

Manufacturer Authorization: Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

2. 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.

3. Warranty

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

4. Past Project Experience

Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.**Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.

5. **Financial Criteria**

NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement.

6. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

ADDITIONAL TERMS & CONDITIONS (ATC) FOR DEVELOPMENT OF DKM PUMP (NAOH& H2O2)

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 upto Destination etc. on FOR Security Paper Mill, Narmadapuram (Madhya Pradesh), India basis only.

5. The terms and conditions, guidelines of SPMCIL Procurement Manual Version 2.0 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 2.0 for additional terms and conditions as per the links given below:

GIT: <https://spmCIL.com/uploaddocument/GIT/new.pdf>

GCC: <https://spmCIL.com/uploaddocument/GCC/new.pdf>

6. 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.

7. 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.

8. GST Return: Supplier should file the GST returns for outward supplies in time

e. SPM reserves the right to withhold the payment of further supplies till production of evidence of filling of Returns.

9. Bidder shall submit duly seal & signed copy of Technical Specifications and Drawing.

10. WARRANTY CLAUSE:

11.1 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.

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

11.3 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.

11.4 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.

11.5 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.

12. Delivery Period: within 180 from the date of issue of purchase order.

Overview of Delivery Schedule:

(a) Firm is required to complete the delivery within 180 days. After receipt of material SPM may take trial within 15 days and any problem arise will be intimate to the firm & firm will rectify it on their own cost. If trial found ok then suitability

will be given.

(b) No payment shall be made for the rejected samples.

13. Firm has to submit following documents:-

(A) For MSME Firms:

i. Firm shall submit the valid MSME certificate and the tendered item must be listed in the MSME certificate store list. Non-submission of valid MSME certificate and non-availability of the tendered item in the store list of this certificate shall lead to rejection of the offer.

ii. One original Bid document copy shall be submitted with seal and sign.

iii. Power of Attorney/Authorization with the seal of the company of person signing the tender documents.

iv. If required SPM may visit the factory during Tender stage, to ascertain the bidder manufacturing capability & quality control methodology.

Firm should submit the following:-

a) Infrastructure details

b) Machinery list

c) Organization structure

v. Bidder has to submit the following information regarding capacity and performance:

a. Name of the machine utilized to supply the quoted product.

b. The number of machines being utilized for the production and the capacity of each machine.

c. Total Annual Capacity of the manufacturer.

d. Supply orders in hand and proportionate capacity to supply quoted amount.

(B) For Non MSME Firms:

i) One original Bid document copy shall be submitted with seal and sign.

ii) Manufacturing/Authorization Certificate:

(a) If the bidder firm is manufacturer then firm has to submit the valid registration certificate.

(b) If the bidder firm is not the manufacturer then firm has to submit the valid manufacturer's authorization certificate of the item supplied as per the standard form duly filled by OEM as per Annexure of this bid document. Manufacturer authorization certificate should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

iii) Bidder has to submit the following information regarding capacity and performance:

- a. Name of the machine utilized to supply the quoted product.
- b. The number of machines being utilized for the production and the capacity of each machine.
- c. Total Annual Capacity of the manufacturer.
- d. Supply orders in hand and proportionate capacity to supply quoted amount.

Note:

1. All experience, past performance and capacity/capability related data should be certified by the authorized signatory of the bidder firm. The credentials regarding experience and past performance to the extent required as per eligibility criteria submitted by bidder may be verified from the parties for whom work has been done.

2. All financial standings data should be certified by Certified Accountant's e.g. Chartered Accounts (CA) in India and Certified Public Accountants/Chartered Accountants of other countries.

3. Bidder to furnish stipulated documents in support of fulfilment of qualifying criteria. Non submission or incomplete submission of documents may lead to rejection of offer.

7. Buyer Added Bid Specific ATC

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

Disclaimer/अस्वीकरण

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. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

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.
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.

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.

This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है

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./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 नियम 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 कार्यवाई का आधार होगा।

---Thank You/धन्यवाद---

Technical Specification

Schedule: 1

Scope of work

Development of one to one interchangeable positive displacement reciprocating pump with motor and other accessories equivalent to our existing installed DKM PUMP for dosing of chemical and water at New Pulp Plant.

Brief Description of the system

New Pulp Plant is started in the Month of September -2013 for regular production and Plant is running on continuous basis 24*7. M/s Clextrel has supplied and installed DKM Plunger reciprocating pumps for dosing of water and chemical into different zone of Bivis-I & II. Nozzle (Dia 0.8 mm) had installed in different zones of Bivis I & II and water and chemical coming from the pump injected through this nozzle system to maintain consistency and brightness of pulp. So, vendor should insured that the pump selection and its trouble free operation in line to consideration of back pressure generated in the system and reduction of line size from 40 mm to 0.8 mm at the bivis inlet.

OPERATING PRINCIPLE OF DKM DIAPHRAGM PUMP

DKM diaphragm Pump, the piston is not in contact with the pumped fluid, preventing damage to the dynamic seal through abrasion or corrosion. The pumping chamber consists of the pump casing, an elastic front diaphragm and two valves, an inlet valve and an outlet valve. When the front diaphragm is drawn back, the volume of the pumping chamber increases and the fluid is drawn in through the inlet valve. The forward movement of the diaphragm decreases the volume of the chamber and the fluid is expelled.

Hydraulic transmission is responsible for the front diaphragm moving back and forth simultaneously with the piston. Variation in the volume of the pumping chamber is thus achieved by variation of the piston displacement. The flow of fluid through the pumping chamber is regulated by variation of the piston stroke. Hydrostatic transmission between the piston and the diaphragm consists.

With double diaphragm of two separate spaces

The space between the piston and the back diaphragm, called the impulsion chamber, and the space between the back and front diaphragms, called the intermediate chamber. Both spaces are filled with hydraulic fluid. The volume of fluid in the intermediate chamber is set once and for all when the pump is started up, so that the two diaphragms are more or less parallel to one another. This means that the range of movement of the front diaphragm, which is mechanically free on the pumping chamber side, is restricted (thus avoiding excessive deformation) as it remains parallel to the back diaphragm. The range of movement of the back diaphragm is restricted by the rear screen of the intermediate plate. The amount of hydraulic fluid between the piston and the diaphragm is regulated automatically under the following conditions

Double diaphragm

If there is too much hydraulic fluid, the back diaphragm presses against the intermediate plate on the piston forward stroke and the excess oil is expelled via the safety valve.

If there is not enough hydraulic fluid, on the piston return stroke the resultant negative pressure opens the relief valve, allowing hydraulic fluid to be drawn into the impulsion chamber.

DKM Chemical diaphragm reciprocating pump consist of double diaphragm, Accumulator, bladder with nitrogen pressure, safety Valve, Pressure gauge NRV in pump head suction, discharge and discharge line etc.

1. Scope of work

SPM required one to one interchangeable positive displacement reciprocating Diaphragm pump with motor and other accessories equivalent to our existing installed DKM PUMP MODEL TYPE-SUPER J CAMP112/16

A detail of existing installed pump and its accessories are given below:

Pump Type: DKM NaoH Pump, Double Diaphragm reciprocating pump
Pump Model: SUPER J CAMP112/16

Flow: 30 L/h

Cracking pressure: 25 Bar

Discharge Pressure: 20 Bar

Stroke/min: 90 C/min

Application Liquid: NAOH 50% Concentration

Pump Item: EV 240 PAP 103

Job No: 331K939

Serial No: 17564/08

Valve Box: Valve Setting 7.0 bar

Ball Size: 12 mm

Safety Valve: cracking Pressure 25 Bar

Motor: ABB

Voltage: 415 V

Power: 0.55 KW

Current: 1.5 amps

Efficiency: IE3 and above

IEC-34, IP55

2. Accessories:

Accumulator:

Make: FOX

Type: HSTX 0.35

Pressure: 16 Bar

Capacity: 0.35L

3. Required Capacities:

Nominal Flow: 25 l/h

Max Flow: 30 l/h

Nominal Pressure: Suction 0bar (flooded)

Discharge 20 bar

5. Test Conditions:

Cracking pressure: 25 Bar

Discharge Pressure: 20 Bar

Ambient T°: 48°C max

Stroke per min.: 90 C/min

Brake Horse Power: 0.3 KW

Sr. No.	vPump Stroke%	Flow L/h
1	100 Percentage	Flow 28
2	75 Percentage	Flow 19.8
3	50 Percentage	Flow 13
4	25 Percentage	Flow 5
5	10 Percentage	Flow 1.7

6. PULSATION DAMPENER:

Accumulator: Fox make
MOC: AISI 316L
Type Pulsation: Bladder Type
Bladder MOC: EPDM
Bladder Type: HSTX 0.35
Pressure: 16 Bar
Capacity: 0.35L

7. DOUBLE DIAPHRAGM

MOC of Diaphragm 1: Perbunan (NBR)
MOC of Diaphragm 2: Perbunan+Telfon

8. PUMP CONNECTION

Suction Connection: FLANGE ISO PN16 DN15
Discharge Connection: FLANGE ISO PN40 DN15

For details please refer existing chemical pump drawing which is indicative in nature and used for reference.

Schedule: 2

1. Scope of work:-

SPM required one to one interchangeable positive displacement reciprocating diaphragm pump with motor and other accessories equivalent to our existing installed DKM PUMP MODEL TYPE-SUPER J CAMP112/20

A detail of existing installed pump and its accessories are given below:

Pump Type: DKM H2O2 Pump, Double Diaphragm reciprocating pump
Pump Model: SUPER J CAMP112/20
Flow: 40 L/h
Cracking pressure: 25 Bar
Discharge Pressure: 20 Bar
Stroke min: 120 C/min
Application Liquid: H2O2 50% Concentration
Pump Item: EV 240 PAP 103
Job No: 331K939
Serial No: 17563/08
Pump Type: SUPER J CAMP 112/20
Valve Box: Valve Setting 7.0 bar

Ball Size 12 mm
Safety Valve: cracking Pressure 25 Bar
Motor: ABB
Voltage: 415 V
Power: 0.55 KW
Current: 1.5 amps
Efficiency: IE3 and above
IEC-34, IP-55

2. Accessories:

Accumulator:
Make: FOX
Type: HSTX 0.35
Pressure: 10 Bar
Capacity: 0.35L

3. Required Capacities:-

Nominal Flow: 30 l/h
Max Flow: 40 l/h
Nominal Pressure: Suction 0bar (flooded)
Discharge 20 bar

4. Test Conditions:

Cracking pressure: 25 Bar
Discharge Pressure: 20 Bar
Ambient T°: 20°C
Stroke per min.: 120 C/min
Brake Horse Power: 0.3 KW

Sr.No	Pump Stroke%	Flow L/h
1	100 Percentage	Flow 48
2	75 Percentage	Flow 36
3	50 Percentage	Flow 22.4
4	25 Percentage	Flow 10.5
5	10 Percentage	Flow 2.8

5. PULSATION DAMPENER:

Accumulator: FOX make
Accumulator: MOC-SS 316
Type Pulsation: Bladder Type
Bladder MOC FPM
Bladder Type: HSTX 0.35
Pressure: 16 Bar
Capacity: - 0.35L

6. DOUBLE DIAPHRAGM

MOC of Diaphragm: Perbunan
MOC of Diaphragm: Perbunan+Telfon

7. PUMP CONNECTION

Suction Connection: FLANGE ISO PN16 DN15

Discharge Connection: FLANGE ISO PN40 DN15

For details please refer existing chemical pump drawing which is indicative in nature and used for reference.

Essential Conditions: (For Shd.01 & Shd.02 items):-

1. Development of reciprocating plunger piston and Diaphragm pump for water and chemical dosing.
2. Media inside the Bivis-I and II 100 % cotton comber pulp.
3. Firm should be OEM or authorized distributor of original manufacturer of reciprocating plunger pump and diaphragm pump which will be supplied and shall provide valid authorization distributor certificate issued by OEM for the current year along with bid falling which bid will not be considered.
4. Firm should have experience of manufacturing/ development of similar type of reciprocating pump for water and chemical dosing with one to one interchangeability. Valid PO copy and performance certificate are to be submitted along with bid.
5. Reference list of similar kind of reciprocating pump development within the last 5 years in similar paper industry.
6. Bidder shall provide technical leaflet/catalogue along with bid for their equivalent quoted dosing pump for water and chemical.
7. Bidder shall confirm they will provide material test certificate and drawing of each type of reciprocating pump along with supply of equipment.
8. In case of abnormal/repeated failure of pump while in service, bidder shall depute their service engineer free of cost to analyze the root cause. Bidder shall confirm same with technical bid.
9. The parameter given in specification is for indicative and reference purpose. Firm may visit at SPM Narmadapuram if any additional information is required.
10. Firm should ensure that inlet and outlet size of the quoted pump should be in line to installed suction and discharge pipe line dimension, if any modification required then it should be in the scope of vendor.
11. The supplier shall provide technical support for the system/machine and make available all required spares and consumables for a period of at least 10 years from the date of expiry of warranty period. All terms and conditions of this tender shall apply to after sales/services support also. Written commitment should be submitted in this regard along with techno-commercial bid.
12. Pumps should meet API 675 # 3rd edition and Hydraulic Institute Standards, USA requirement as Regards to design, manufacturing and testing.

Trial test criteria for pump provided in Annexure-A Trial test:-

Due to criticality of equipment trial of Reciprocating Pump shall be carried out.
The supplied pump may fulfill the required parameter during trial.

1. Outlet pressure: as per detail given in Technical specification.
2. Checked Flow at different stroke as per mention in data sheet as per detail given in technical.
3. Firm should be supply performance curve of pump during factory test.

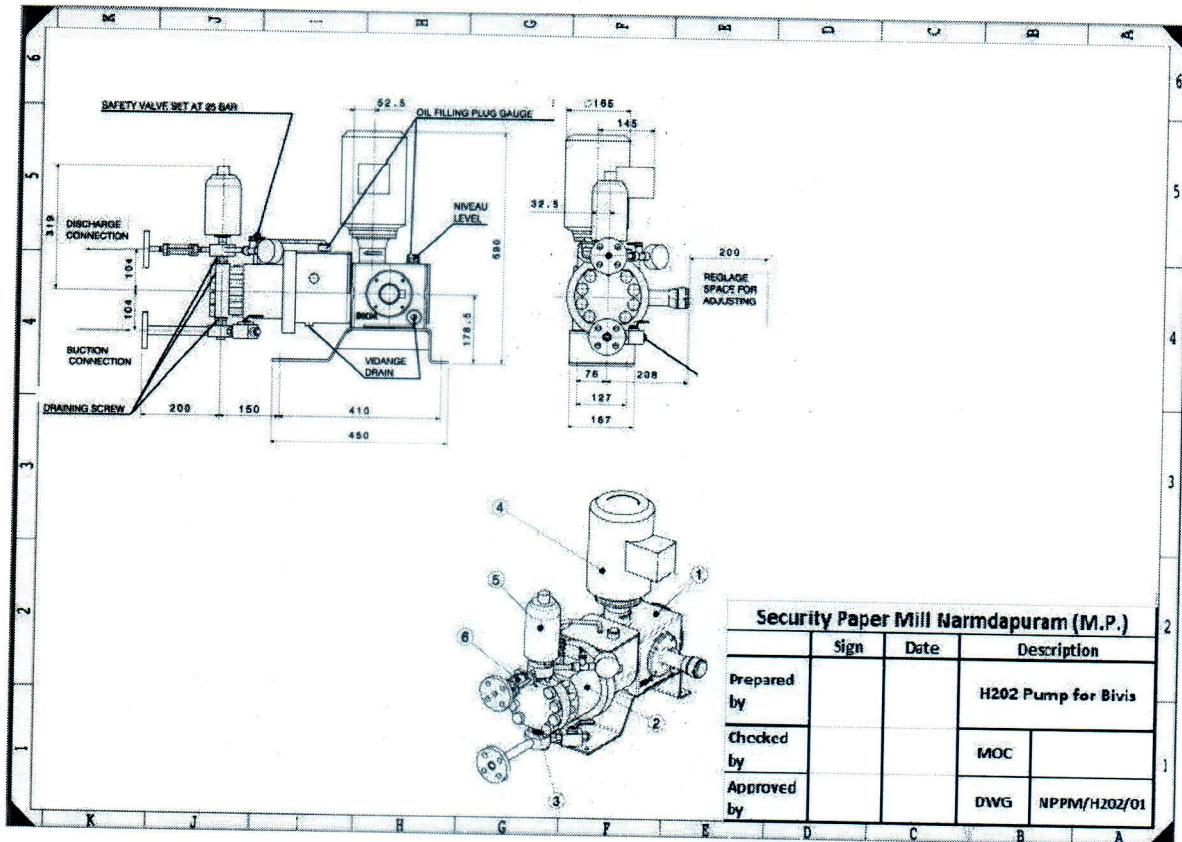
4. Firm should submit Third Party Inspection certificate of pump issued by Lloyd, EIL or similar.
5. Pump shall be for Performance Testing and Hydraulic testing with job motor as per API 675 testing standards.

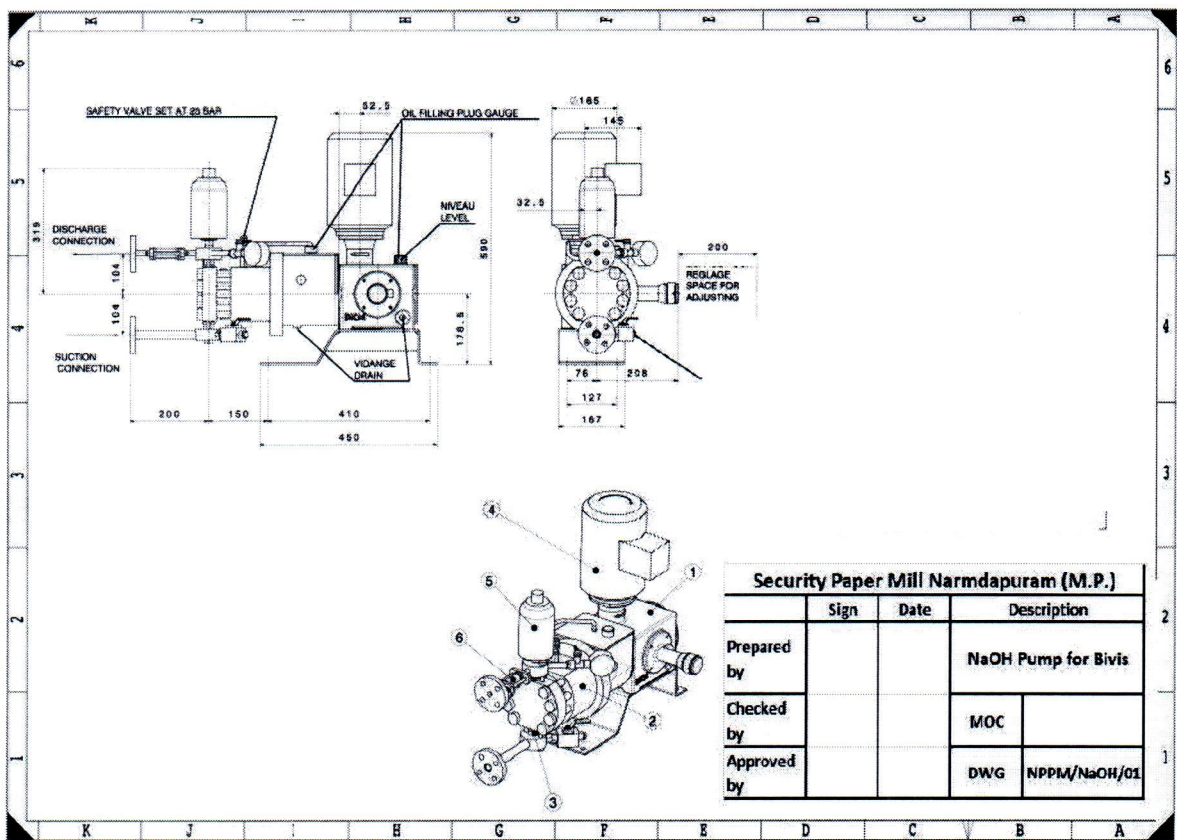
QUALITY REQUIREMENTS

ANNEXURE: A				
BIDDER's COMPLIANCE STATEMENT FOR SECTION VII TECHNICAL SPECIFICATION				
Sr.No	Item	Description	Whether meet the requirement (Yes/ No)	Quoted Models Specifications
1	NaOH Pump	DKM or Equivalent		
a	REQUIRED CAPACITY			
	NaOH flow	30 L/h		
	Discharge Pressure	20 Bar		
	Cracking pressure	25 Bar		
	Stroke/min	90 C/min		
	Diaphragm	Double Diaphragm		
b	DOUBLE DIAPHRAGM			
	MOC of Diaphragm 1	Perbunan (NBR)		
	MOC of Diaphragm 2	Perbunan+Teflon		
c	ACCUMULATOR			
	Accumulator	Pulsation Bladder Type		
	Type Pulsation	Bladder Type		
	Accumulator MOC	AISI 316 L		
	Bladder MOC	EPDM		
	Nitrogen Pressure	16 Bar		
	Capacity	0.35L		
d	Safety valve	Cracking pressure 25 Bar		
e	MOTOR			
	Power	0.55 KW		
	Current	1.5 amp		
	Efficiency	IE3 and above		
	Motor Make	ABB/Siemens/Bharat Bijali or equivalent		
f	PUMP CONNECTION			
	Suction Connection	FLANGE ISO PN16 DN15		
	Discharge Connection	FLANGE ISO PN40 DN15		
g	Application Liquid	NAOH		
h	Concentration of NaOH	50%		
2	H2O2 Pump	DKM or Equivalent		

a	REQUIRED CAPACITY			
	H2O2 flow	40 L/h		
	Discharge Pressure	20 Bar		
	Cracking pressure	25 Bar		
	Stroke/min	120 C/min		
	Diaphragm	Double Diaphragm		
b	DOUBLE DIAPHRAGM			
	MOC of Diaphragm 1	Perbunan (NBR)		
	MOC of Diaphragm 2	Perbunan+Telfon		
c	ACCUMULATOR			
	Accumulator	Pulsation Bladder Type		
	Type Pulsation	Bladder Type		
	Accumulator MOC	AISI 316 L		
	Bladder MOC	FPM		
	Nitrogen Pressure	16 Bar		
	Capacity	0.35L		
d	Safety valve	Cracking pressure 25 Bar		
e	MOTOR			
	Power	0.55 KW		
	Current	1.5 amp		
	Efficiency	IE3 and above		
	Motor Make	ABB/Siemens/Bharat Bijali or equivalent		
f	PUMP CONNECTION			
	Suction Connection	FLANGE ISO PN16 DN15		
	Discharge Connection	FLANGE ISO PN40 DN15		
g	Application Liquid	H2O2		
h	Concentration of NaOH	50%		

Drawing:-





ANNEXURE-I**Declaration for Section 206AB of TDS under income tax Act, 1961**

(to be submitted on Letter Head)

Vendor Code: _____

M/s _____

PAN _____

GSTIN _____

I/We _____ (Legal Name and complete address) _____, PAN: _____
_____, (PAN no) _____, TAN: _____ (TAN no.)
_____, referring to the provisions of 206AB of the IT Act, 1961, hereby declare
the following:-

Financial Year	Aggregate TDS & TCS credit in our name was Rs. 50,000 or more ("Yes/ No")	Income Tax Return ("ITR") Filed ("Yes/No")	E-filing Acknowledgment Number (15 digit - numeric) (Attach copy of acknowledgments)	Date of Filing of Return of Income u/s 139(1) (DD/MM/YYY Y)	Linked PAN with Aadhaar number or will link it before 30 Jun 2022 (or any further date as may be notified by CBDT ("Yes / No")
2020-21					
2021-22					

We do hereby declare that to the best of my /our knowledge and belief what is stated above is correct, complete and is truly stated. In case there is a tax liability, interest or penal consequences which are levied on SPM on account of the false representation/ declaration, I/we undertake to fully indemnify SPM for the same.

FOR _____

Authorized Signatory

Date:

Note: In case the vendor failed to comply with the above provisions, TDS shall be deducted at the higher of the following rates, namely: -

- (i) at twice the rate specified in the relevant provision of the Act; or
- (ii) at twice the rate or rates in force; or
- (iii) at the rate of five per cent (5%).

(To be submitted on the Letter Head)

DECLARATION

We do hereby declare that,

1. We have not been blacklisted/debarred by BNPMIPL/BRBNMPL/SPMCIL or any Govt. Departments 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 conditions of the tender document without any deviation and withdraw all deviations if any.

Signature.....

Name.....

Designation.....

Date.....

Stamp of the Organization.....

(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 at 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.....

(To be submitted on the letter head of the manufacturing firm)

SECTION XIV: MANUFACTURER'S AUTHORIZATION FORM

To,

Security Paper Mill, Narmadapuram
A Unit of Security Printing & Minting
Corporation of India Limited
(Wholly Owned by Govt. of India)
Hoshangabad

Ref: Your Tender document No, dated

We,.....who are proven and reputable manufacturers of
..... (Name and description of the goods offered in the tender) having
factories at hereby authorize Messrs
(name and address of the agent) to submit a tender, process the same further and enter into a
contract with you against your requirement as contained in the above referred tender enquiry
documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs.....
..... (name and address of the above agent) is authorized to submit a
tender, process the same further and enter into a contract with you against your requirement
as contained in the above referred tender enquiry documents for the above goods
manufactured by us.

We also hereby extend our full warranty, as applicable as per clause 16 of the General
Conditions of Contract read with modification, if any, in the Special Conditions of Contract for
the goods and services offered for supply by the above firm against this tender document.

Yours faithfully,

.....
.....

[Signature with date, name, and designation]

for and on behalf of Messrs.....

Name & address of the manufacturers

*Note: This letter of authorization should be on the letter head of the manufacturing firm and
should be signed by a person competent and having the power of attorney to legally bind the
manufacturer.*

Checklist of Documents for Technical Bid

S. No.	Documents Required	Submitted (✓)
1	Weather applied for MSME (MSME certificate)	()
2	Certificate of Local Content as per Public Procurement (Preference to Make in India), Order 2017	()
3	Duly Seal & Signed: Technical Specifications	()
4	Acceptance of all terms and condition as per Buyer Added Bid Specific ATC	()
5	Buyer added Specific ATC Declarations (Buyer uploaded ATC document : Annexure-I, II, III)	()
6	No Deviation certificate	()
7	Manufacturer/OEM Authorization Certificate	()
8	Experience & Past Performance Documents as per Buyer added Bid Specific ATC	()
9	Capability Equipment & Manufacturing Facilities Documents as per Buyer added Bid Specific ATC	()
10	Financial Standings Documents as per Buyer added Bid Specific ATC	()