

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	25-08-2023 15:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	25-08-2023 15:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	180 (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 (spmcl)
Office Name/कार्यालय का नाम	Janpath
Total Quantity/कुल मात्रा	2811
Item Category/मद केटगरी	PBWC 20x20 Mesh , PBWC 30x30 Mesh , PBWC 70x48 Mesh , PBWC 18x18 Mesh , PBWC 80x60 Mesh
BOQ Title/बीओक्यू शीर्षक	phosphorus bronze wire cloth
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	74 Lakh (s)
OEM Average Turnover (Last 3 Years)/मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)	74 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes

Bid Details/बिड विवरण	
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,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
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Primary product category	PBWC 20x20 Mesh
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
Evaluation Method/मूल्यांकन पद्धति	Item wise evaluation/
Financial Document Required/वित्तीय दस्तावेज़ की आवश्यकता है।	Yes

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	Indusind bank
Schedule 1 EMD Amount/ईएमडी राशि (In INR)	51000
Schedule 2 EMD Amount/ईएमडी राशि (In INR)	31000
Schedule 3 EMD Amount/ईएमडी राशि (In INR)	34000
Schedule 4 EMD Amount/ईएमडी राशि (In INR)	110000
Schedule 5 EMD Amount/ईएमडी राशि (In INR)	64000
Schedule 6 EMD Amount/ईएमडी राशि (In INR)	82000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	Indusind bank
ePBG Percentage(%) /ईपीबीजी प्रतिशत (%)	10.00
Duration of ePBG required (Months)/ईपीबीजी की अपेक्षित अवधि (महीने).	20

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). The EMD Amount will be applicable for each schedule/group selected during Bid creation.

(c). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

security paper mill
Security Paper Mill, Narmadapuram
(Security Paper Mill)

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
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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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. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
5. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product

during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

6. 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.

7. 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.

8. 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.

Evaluation Method (Item Wise Evaluation Method)

Contract will be awarded schedulewise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

Evaluation Schedules	Item/Category	Quantity
Schedule 1	Pbwc 20x20 Mesh	416
Schedule 2	Pbwc 30x30 Mesh	250
Schedule 3	Pbwc 70x48 Mesh	250
Schedule 4	Pbwc 18x18 Mesh	875
Schedule 5	Pbwc 30x30 Mesh	510
Schedule 6	Pbwc 80x60 Mesh	510

PBWC 20x20 Mesh

(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

Specification Document	View File
BOQ Detail Document	View File

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

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	Vikas Kumar	461005, Security Paper Mill ,Narmadapuram , Madhya Pradesh	416	180

PBWC 30x30 Mesh

(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)

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S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोटिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Vikas Kumar	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	250	180

PBWC 70x48 Mesh

(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

Specification Document	View File
BOQ Detail Document	View File

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

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोटिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Vikas Kumar	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	250	180

PBWC 18x18 Mesh

(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

Specification Document	View File
BOQ Detail Document	View File

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

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	Vikas Kumar	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	875	180

PBWC 30x30 Mesh

(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

Specification Document	View File
BOQ Detail Document	View File

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

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	Vikas Kumar	461005,Security Paper Mill ,Narmadapuram , Madhya Pradesh	510	180

PBWC 80x60 Mesh

(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

Specification Document	View File
BOQ Detail Document	View File

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

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	Vikas Kumar	461005, Security Paper Mill ,Narmadapuram , Madhya Pradesh	510	180

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

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Turnover

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

3. Forms of EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

Security paper mill
payable at
Narmadapuram

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy

to the Buyer within 5 days of Bid End date / Bid Opening date.

4. Forms of EMD and PBG

Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C (Name of the Buyer). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

5. Buyer Added Bid Specific ATC

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

6. 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.

7. Generic

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

8. 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

9. Turnover

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

10. 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.

11. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

Security paper mill
payable at
narmadapuram

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

12. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of

Security paper mill

A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

13. Past Project Experience

The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

14. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

ADDITIONAL TERMS & CONDITIONS (ATC)

i) Required Terms of Delivery: F.O.R. Security Paper Mill Narmadapuram (Duly Unloaded) Transport the contracted material/supplies only through Registered Common Carriers.

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

iii) 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.

iv) QUALIFICATION/ELIGIBILITY CRITERIA:

1) For item PBWC:

i. Experience & Past Performance:

The bidder (manufacturer or principal of authorised representative-hereinafter referred simply as 'The Bidder') should have manufactured and supplied at least 40% of the total quoted quantity by the firm (i.e., if firm has applied for 100% quantity then 40% of the total quantity is 1125 SQM) of Phosphor Bronze Wire Cloth in any one of the last five years ending on 31st March 2023.

(Note: 'Startups and Micro and Small Enterprises' are exempted from 'Experience and Past Performance Criteria')

ii. Capability Equipment & Manufacturing Facilities:

- a) The Bidder must have an annual Capacity to manufacture and supply at least 40% of the total quoted quantity by the firm (i.e., if firm has applied for 100% quantity then 40% of the total quantity is 1125 SQM) of Phosphor Bronze Wire Cloth.
- b) The bidder has to submit the following details along with the bid:
 - i) Name of the machine utilized to supply the quoted product.
 - ii) The number of machines being utilized for the production and the capacity of each machine.
 - iii) Total Annual capacity of Manufacturer.
 - iv) Supply orders in hand and proportionate capacity to supply quoted amount.

iii. Financial Standing:

- a) The average annual turnover of the bidder during the last three years, ending on 31.03.2023, should be at least 40% of the average annual turnover of total quoted quantity by the firm (i.e., if firm has applied for 100% quantity then 40% of the average annual turnover of total quoted quantity is **Rs. 73,89,699.49**) as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/ Cost Accountant in India or equivalent in relevant countries.

{Note: 'Start-ups and Micro and Small Enterprises' are exempted from 'Average Annual Turnover Criteria'}

- b) The bidder should not have suffered any financial loss for more than one year during the last three years, ending on 31.03.2023.
- c)
 - i) The net worth of the Bidder should not be negative on 31.03.2023 and also
 - ii) Should not have eroded by more than 30% in the last three years, ending on 31.03.2023.

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 Accountants (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.

v. Liquidated Damages (LD) Clause: If the contractor fails to deliver the goods and/or services or any installment 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 Percent of the delivered price of the delayed goods and/or services along with applicable GST of 18% on the LD amount for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% (plus GST on the LD amount) of the delayed goods or services.

vi. 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>

vii. 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.

viii. Vendor has to submit declaration in specified format 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.

ix. 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 filing of Returns.

x. Manufacturer 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/valid dealership certificate of the item supplied as per the standard form duly filled by OEM as per Annexure-XIV (refer Buyer added Specific ATC) of this tender document.

xi. Bidder shall submit duly seal & signed copy of **Section-VII: Technical Specifications & Section-VIII: Quality Control Requirements.**

xii. Delivery Schedule: Delivery Schedule shall be in staggered manner as per below:

For Item no. 01: PBWC 20x20

- i. Pre-Production sample of quantity 1 Square Meter (1 m x 1m) should be provided within 15 days period after issuing NAC/PO. No payment shall be made for pre-production sample
- ii. After receiving pre-production samples at SPM, Narmadapuram, pilot trial run will be done and approval will be provided within 15 days after receiving at SPM.

- iii. First 210.6 SQM (70.2sqm x 3roll) to be supplied within 3 months including pre-production sample and pilot trial from date of issuing of NAC/PO.
- iv. Remaining 205.4 SQM (70.2 SQM x 2roll + 65 SQM x 1roll) to be supplied between 03 months to 06 months from the date of issue of NAC/PO.

For Item no. 02: PBWC 30x30

-

- i. Pre-Production sample of quantity 1 Square Meter (1 m x 1m) should be provided within 15 days period after issuing NAC/PO. No payment shall be made for pre-production sample
- ii. After receiving pre-production samples at SPM, Narmadapuram, pilot trial run will be done and approval will be provided within 30 days after receiving at SPM.
- iii. First 128.1 SQM (18.3 SQM x 7 roll) to be supplied within 3 months including pre-production sample and pilot trial from date of issuing of NAC/PO.
- iv. Remaining 121.9 SQM (18.3 SQM x 6 roll + 12.1 SQM x 1 roll) to be supplied between 03 months to 06 months from the date of issue of NAC/PO.

-

For Item no. 03: PBWC 70x48

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- i. Pre-Production sample of quantity 1 Square Meter (1 m x 1m) should be provided within 15 days period after issuing NAC/PO. No payment shall be made for pre-production sample
- ii. After receiving pre-production samples at SPM, Narmadapuram, pilot trial run will be done and approval will be provided within 15 days after receiving at SPM.
- iii. First 133 SQM (58.5 SQM x 2 roll + 16 SQM x 1 roll) to be supplied within 2 months including pre-production sample and pilot trial from date of issuing of NAC/PO.
- iv. Remaining 117 SQM (58.5 SQM x 2 roll) to be supplied between 03 months to 06 months from the date of issue of NAC/PO.

-

For Item no. 04: PBWC 18x18

- i. Pre-Production sample of quantity 3.4 Square Meter (3.4 m x 1.0 m) should be provided within 15 days from the date of issue of contract in GeM. No payment shall be made for pre-production sample.

- ii. After receiving pre-production samples at SPM, Narmadapuram, pilot trial run will be done and approval will be provided within 15 days after receiving at SPM. Bulk supply shall be made only after receipt of approval of Pre-Production Sample.
- iii. First 408 SQM (102 SQM x 4 roll) to be supplied within 03 months from the date of issue of contract in GeM.
- iv. Remaining 467 SQM (102 SQM x 4 roll + 59 SQM x 1roll) to be supplied between 03 months to 06 months from the date of issue of contract in GeM.

-

For Item no. 05: PBWC 30x30

- i. Pre-Production sample of quantity 3.4 Square Meter (3.4 m x 1.0 m) should be provided within 15 days from the date of issue of contract in GeM. No payment shall be made for pre-production sample.
- ii. After receiving pre-production samples at SPM, Narmadapuram, pilot trial run will be done and approval will be provided within 15 days after receiving at SPM. Bulk supply shall be made only after receipt of approval of Pre-Production Sample.
- iii. First 306 SQM (102 SQM x 3 roll) to be supplied within 03 months from the date of issue of contract in GeM.
- iv. Remaining 204 SQM (102 SQM x 2 roll) to be supplied between 03 months to 06 months from the date of issue of contract in GeM.

-

For Item no. 6: PBWC 80*60:

- i. Pre-Production sample of quantity 3.4 Square Meter (3.4 m x 1.0 m) should be provided within 15 days from the date of issue of contract in GeM. No payment shall be made for pre-production sample.
- ii. After receiving pre-production samples at SPM, Narmadapuram, pilot trial run will be done and approval will be provided within 15 days after receiving at SPM. Bulk supply shall be made only after receipt of approval of Pre-Production Sample.
- iii. First 306 SQM (102 SQM x 3 roll) to be supplied within 03 months from the date of issue of contract in GeM.
- iv. Remaining 204 SQM (102 SQM x 2 roll) to be supplied between 03 months to 06 months from the date of issue of contract in GeM.

xiii. 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.

xiv. If required SPM may visit the factory during techno-commercial bid stage, to ascertain the bidder manufacturing capability & quality control methodology.

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 निविदा 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।

---Thank You/धन्यवाद---



Section VII: Technical Specifications

ITEM NO. 01: PHOSPHOR BRONZE WIRE CLOTH 20 X 20 MESH

1. Alloy: As per IS: 7608 or equivalent standard
Grade: II, Annealed wire
2. Wire Size:
Wrap Dia: 0.37 mm,
Weft Dia: 0.37mm
3. Wire Cloth Thickness: 0.77 mm (± 0.01 mm)
4. Mesh Count:
Wrap Dia: 20 ± 0 per inch,
Weft Dia: 20 ± 0 per inch
5. Wire Cloth Width: 2340 mm
6. Material of Wire:
Tin: 4.50 to 5.50 %
Lead: Maximum 0.05 %
Phosphor: 0.20 to 0.40 %
Impurities: 0.20 % max
Remainder: Copper
7. Physical properties of wire:
(i) Tensile Strength: min 400 N/mm²
(ii) Elongation: 45 to 55 %
8. Weave : All Bronze- Plain Weave
9. Rigidity : As per Foundrainer Standard
10. Roll wise distribution of 416 square meter wire:
Total Roll: $5 + 1 = 6$ Nos
5 Nos (Each Roll contains 30 m x 2.34 m = 70.2 SQM)
1 No (Roll Size: 27.78 m x 2.34 m = 65 SQM)



SECTION VIII: QUALITY CONTROL REQUIREMENTS

ITEM NO. 01: PHOSPHOR BRONZE WIRE CLOTH 20 X 20 MESH

(1) Squareness of Weave:-

- (a) The Maximum deviation from Squareness shall not exceed to 0.5 mm. over a distance of full width in the weft direction and 610mm. in the warp direction.
- (b) The maximum difference in the edge of any panel nominally 2 meter long without crossing weft wire must not exceed 2 mm.

(2) Diagonals:-

The diagonals variation over a distance of full width in the weft direction and 1 meter in warp direction, without crossing weft and warp wire must not exceed 0.5 mm.

(3) Composition:-

- (a) The tendered must furnish with technical tender, a certified analytical report from a recognized laboratory describing details of composition of the alloy of the offered cloths (5% tin contents) as Phosphor, Lead, Tin, Copper Impurities etc. along with tensile strength and elongation percent on gauge length of 50 mm.
- (b) The offered wired cloths when unrolled must be absolutely flat and should not have curling tendency.
- (c) The offered wire cloths must be well cleaned and free from dirt, oil and grease.

(4) Test Certificate:-

Govt. Recognize Metallurgical lab Test Certificate of Tensile Strength, Elongation, and Chemical (Material) analysis report of the wire should be provide by the bidder for each wire mesh with each supply (If it is not provided with the supply of item than the supply will be rejected).

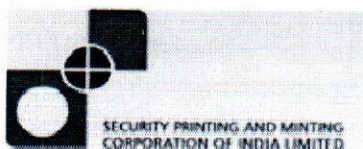


SECURITY PRINTING AND MINTING
CORPORATION OF INDIA LIMITED

Section VII: Technical Specifications

ITEM NO. 02: PHOSPHOR BRONZE WIRE CLOTH 30 X 30 MESH

1. Alloy: As per IS: 7608 or equivalent standard
Grade: II, Annealed wire
2. Wire Size:
Wrap Dia: 0.30 mm,
Weft Dia: 0.30 mm
3. Wire Cloth Thickness: 0.63 mm (± 0.01 mm)
4. Mesh Count:
Wrap Dia: 30 ± 1 per inch,
Weft Dia: 30 ± 1 per inch
5. Wire Cloth Width: 610 mm
6. Material of Wire:
Tin: 4.50 to 5.50%,
Lead: Maximum 0.05 %,
Phosphor: 0.20 to 0.40 %,
Impurities: 0.20 % max,
Remainder: Copper
7. Physical properties of wire:
(i) Tensile Strength: min 450 N/mm²
(ii) Elongation: 45 to 55 %
8. Weave: All Bronze- Plain Weave
9. Rigidity: As per Foundrainer Standard
10. Other Properties:
(i) Embossing Pressure on wire cloth: min 70 Bar
(ii) Embossing Depth: min 2 mm
11. Roll wise distribution of 250 square meter wire:
Total Roll: $13 + 1 = 14$ Nos
13 Nos (Each Roll contains 30 m x 0.61 m = 18.3 SQM)
1 No (Roll Size: 19.84m x 0.61 m = 12.1 SQM)



SECTION VIII: QUALITY CONTROL REQUIREMENTS

ITEM NO. 02: PHOSPHOR BRONZE WIRE CLOTH 30 X 30 MESH

(1) Squareness of Weave:-

- (a) The Maximum deviation from Squareness shall not exceed to 0.5 mm. over a distance of full width in the weft direction and 610mm. in the warp direction.
- (b) The maximum difference in the edge of any panel nominally 2 meter long without crossing weft wire must not exceed 2 mm.

(2) Diagonals:-

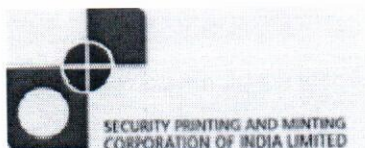
The diagonals variation over a distance of full width in the weft direction and 1 meter in warp direction, without crossing weft and warp wire must not exceed 0.5 mm.

(3) Composition:-

- (a) The tendered must furnish with technical tender, a certified analytical report from a recognized laboratory describing details of composition of the alloy of the offered cloths (5% tin contents) as Phosphor, Lead, Tin, Copper Impurities etc. along with tensile strength and elongation percent on gauge length of 50 mm.
- (b) The offered wired cloths when unrolled must be absolutely flat and should not have curling tendency.
- (c) The offered wire cloths must be well cleaned and free from dirt, oil and grease.

(4) Test Certificate:-

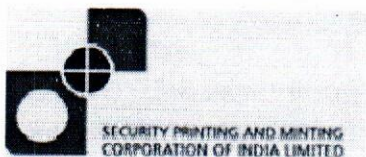
Govt. Recognize Metallurgical lab Test Certificate of Tensile Strength, Elongation, and Chemical (Material) analysis report of the wire should be provide by the bidder for each wire mesh with each supply (if it is not provided with the supply of item than the supply will be rejected).



Section VII: Technical Specifications

ITEM NO. 03: PHOSPHOR BRONZE WIRE CLOTH 70 X 48 MESH

1. Alloy: As per IS: 7608 or Equivalent standard
Grade: II, Wire Mesh Annealed
2. Wire Size:
Wrap Dia: 0.20 mm,
Weft Dia: 0.25 mm
3. Wire Cloth Thickness: 0.48 mm (± 0.01 mm)
4. Mesh Count:
Wrap Dia: 70 ± 1 per inch,
Weft Dia: 48 ± 1 per inch
5. Wire Cloth Width: 2340 mm,
6. Material of Wire:
Tin: 6.50 to 7.50 %,
Lead: Maximum 0.05 %,
Phosphor: 0.20 to 0.40 %,
Impurities: 0.20 % max,
Remainder: Copper
7. Physical properties of wire:
(i) Tensile Strength: min 500 N/mm²
(ii) Elongation: 50 to 65 %
8. Weave: All Bronze- Plain Weave
9. Rigidity: As per Foundrainer Standard
10. Other Properties:
(i) Embossing Pressure on wire cloth: min 70 Bar
(ii) Embossing Depth: min 2 mm
11. Roll wise distribution of 250 square meter wire:
Total Roll: $4 + 1 = 5$ Nos
4 Nos (Each Roll Size 25 m x 2.34 m = 58.5 SQM)
1 No (Roll Size: 6.84 m x 2.34 m = 16 SQM)



SECTION VIII: QUALITY CONTROL REQUIREMENTS

ITEM NO. 03: PHOSPHOR BRONZE WIRE CLOTH 70 X 48 MESH

(1) Squareness of Weave:-

- (a) The Maximum deviation from Squareness shall not exceed to 0.5 mm. over a distance of full width in the weft direction and 610mm. in the warp direction.
- (b) The maximum difference in the edge of any panel nominally 2 meter long without crossing weft wire must not exceed 2 mm.

(2) Diagonals:-

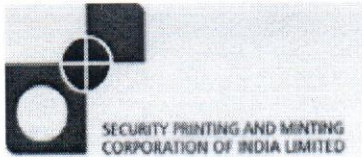
The diagonals variation over a distance of full width in the weft direction and 1 meter in warp direction, without crossing weft and warp wire must not exceed 0.5 mm.

(3) Composition:-

- (a) The tendered must furnish with technical tender, a certified analytical report from a recognized laboratory describing details of composition of the alloy of the offered cloths (5% tin contents) as Phosphor, Lead, Tin, Copper Impurities etc. along with tensile strength and elongation percent on gauge length of 50 mm.
- (b) The offered wired cloths when unrolled must be absolutely flat and should not have curling tendency.
- (c) The offered wire cloths must be well cleaned and free from dirt, oil and grease.

(4) Test Certificate:-

Govt. Recognize Metallurgical lab Test Certificate of Tensile Strength, Elongation, and Chemical (Material) analysis report of the wire should be provide by the bidder for each wire mesh with each supply (If it is not provided with the supply of item than the supply will be rejected).



Section VII: Technical Specifications

ITEM NO. 04: PHOSPHOROUS BRONZE WIRE CLOTH (PBWC) 18X18

1. Alloy: As per ISO: 7608
Grade: II, Annealed Wire
2. Wire Size:
Wrap Dia: 0.45 mm,
Weft Dia: 0.50 mm
3. Wire Cloth Thickness: 0.98 mm (± 0.02 mm)
4. Mesh Count:
Wrap Dia: 18 ± 0 per inch (7 per cm)
Weft Dia: 18 ± 1 per inch (7 per cm)
5. Wire Cloth Width: 3400 mm (3.4 m)
6. Material of Wire:
Tin: 4.50 to 5.50 %
Lead: Maximum 0.05 %
Phosphor: 0.20 to 0.40 %
Impurities: 0.20 % max
Remainder: Copper
7. Physical properties of wire:
(i) Tensile Strength: min 450 N/mm²
(ii) Elongation: 45 to 55 %
8. Weave: All Bronze- Plain Weave
9. Rigidity: As per Fountrainier Standard
10. Other Properties:
(i) the color of wire mesh should not be changed for at least 1 year
(ii) Light should not reflect from wire mesh
11. Core Pipe: Wire mesh must have to rolled on metallic core pipe
(i) Outer Diameter: 135 to 140 mm
(ii) Length: 3700 mm
12. Roll wise distribution of 875 square meter wire mesh:
Total Roll: $8 + 1 = 9$ Nos
8 Nos of Roll (Each contains 30 m x 3.4 m = 102 SQM)
1 No of Roll (Each Roll contains 17.353 x 3.4 m = 59 SQM)



SECTION VIII: QUALITY CONTROL REQUIREMENTS

ITEM NO. 04: PHOSPHOROUS BRONZE WIRE CLOTH (PBWC) 18X18

(1) Squareness of Weave:-

- (a) The Maximum deviation from Squareness shall not exceed to 0.5 mm. over a distance of full width in the weft direction and 610mm. in the warp direction.
- (b) The maximum difference in the edge of any panel nominally 2 meter long without crossing weft wire must not exceed 2 mm.

(2) Diagonals:-

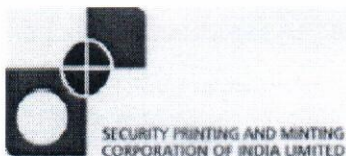
The diagonals variation over a distance of full width in the weft direction and 1 meter in warp direction, without crossing weft and warp wire must not exceed 0.5 mm.

(3) Composition:-

- (a) The tendered must furnish with technical tender, a certified analytical report from a recognized laboratory describing details of composition of the alloy of the offered cloths (5% tin contents) as Phosphor, Lead, Tin, Copper Impurities etc. along with tensile strength and elongation percent on gauge length of 50 mm.
- (b) The offered wired cloths when unrolled must be absolutely flat and should not have curling tendency.
- (c) The offered wire cloths must be well cleaned and free from dirt, oil and grease.

(4) Test Certificate:-

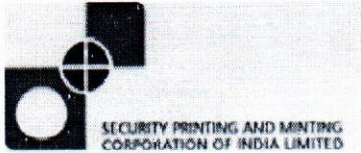
Govt. Recognize Metallurgical lab Test Certificate of Tensile Strength, Elongation, and Chemical (Material) analysis report of the wire should be provide by the bidder for each wire mesh with each supply (If it is not provided with the supply of item than the supply will be rejected).



Section VII: Technical Specifications

ITEM NO. 05: PHOSPHOR BRONZE WIRE CLOTH 30 X 30 MESH

1. Alloy: As per ISO: 7608
Grade: II, wire mesh Annealed (Annealing should be done after weaving)
2. Wire Size:
Wrap Dia: 0.30 mm
Weft Dia: 0.30 mm
3. Wire Cloth Thickness: 0.68 mm (± 0.03 mm)
4. Mesh Count:
Wrap Dia: 30 ± 0 per inch (12 per cm)
Weft Dia: 30 ± 1 per inch (12 per cm)
5. Wire Cloth Width: 3400 mm (3.4 m)
6. Material of Wire:
Tin: 4.50 to 5.50 %
Lead: Maximum 0.05 %
Phosphor: 0.20 to 0.40 %
Impurities: 0.20 % max
Remainder: Copper
7. Physical properties of wire:
(i) Tensile Strength: min 450 N/mm²
(ii) Elongation: 45 to 55 %
8. Weave: All Bronze- Plain Weave
9. Rigidity: As per Fountrainier Standard
10. Other Properties:
 - i. Embossing Pressure: min 50 Bar (at automated Embossing Machine)
 - ii. Embossing Depth: min 2 mm
 - iii. Wire Tension: min 20 N/Cm on Embossing Machine
 - iv. The color of wire mesh should not be changed for at least 1 year
 - v. Light should not reflect from wire mesh
11. Core Pipe: Wire mesh must have to rolled on metallic core pipe
 - i. Outer Diameter: 135 to 140 mm
 - ii. Length : 3700 mm
12. Roll wise distribution of 510 square meter wire:
Roll Quantities: 5 Nos (Each Roll contains 30 m x 3.4 m=102 SQM)



SECTION VIII: QUALITY CONTROL REQUIREMENTS

ITEM NO.05: PHOSPHOR BRONZE WIRE CLOTH 30 X 30 MESH

(1) Squareness of Weave:-

- (a) The Maximum deviation from Squareness shall not exceed to 0.5 mm. over a distance of full width in the weft direction and 610mm. in the warp direction.
- (b) The maximum difference in the edge of any panel nominally 2 meter long without crossing weft wire must not exceed 2 mm.

(2) Diagonals:-

The diagonals variation over a distance of full width in the weft direction and 1 meter in warp direction, without crossing weft and warp wire must not exceed 0.5 mm.

(3) Composition:-

- (a) The tendered must furnish with technical tender, a certified analytical report from a recognized laboratory describing details of composition of the alloy of the offered cloths (5% tin contents) as Phosphor, Lead, Tin, Copper Impurities etc. along with tensile strength and elongation percent on gauge length of 50 mm.
- (b) The offered wired cloths when unrolled must be absolutely flat and should not have curling tendency.
- (c) The offered wire cloths must be well cleaned and free from dirt, oil and grease.

(4) Test Certificate:-

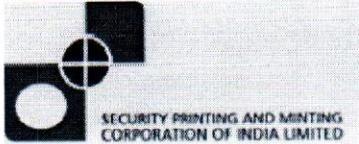
Govt. Recognize Metallurgical lab Test Certificate of Tensile Strength, Elongation, and Chemical (Material) analysis report of the wire should be provide by the bidder for each wire mesh with each supply (If it is not provided with the supply of item than the supply will be rejected).



Section VII: Technical Specifications

ITEM NO.06: PHOSPHOROUS BRONZE WIRE CLOTH (PBWC)80X60

1. Alloy: As per ISO: 7608
Grade: II, Wire Mesh Annealed (Annealing should be done after weaving)
2. Wire Size:
Wrap Dia: 0.17 mm;
Weft Dia: 0.18 mm
3. Wire Cloth Thickness: 0.39 mm (± 0.02 mm)
4. Mesh Count:
Wrap Dia: 80 ± 0 per inch (32 per cm)
Weft Dia: 60 ± 1 per inch (24 per cm)
5. Wire Cloth Width: 3400 mm (3.4 m)
6. Material of Wire:
Tin: 6.50 to 7.50%
Lead: Maximum 0.05%
Phosphor: 0.20 to 0.40%
Impurities: 0.20 % max
Remainder: Copper
7. Physical properties of wire:
(i) Tensile Strength: min 500 N/mm²
(ii) Elongation: 50 to 65 %
8. Weave: All Bronze- Plain Weave
9. Rigidity: As per Foundrainer Standard
10. Other Properties:
 - i. Embossing Pressure: min 50 Bar (at automated Embossing Machine)
 - ii. Embossing Depth: min 2 mm
 - iii. Wire Tension: min 20 N/Cm on Embossing Machine.
 - iv. The color of wire mesh should not be changed for at least 1 year
 - v. Light should not reflect from wire mesh
11. Core Pipe: Wire mesh must have to rolled on metallic core pipe
 - (i) Outer Diameter: 135 to 140 mm
 - (ii) Length: 3700 mm
12. Roll wise distribution of 510 square meter wire mesh:
Total 5 nos of Roll to be supplied (each roll contains 102 SQM i.e. 3.4 m x 30 m)



SECTION VIII: QUALITY CONTROL REQUIREMENTS

ITEM NO. 06: PHOSPHOROUS BRONZE WIRE CLOTH (PBWC)80X60

(1) Squareness of Weave:-

- (a) The Maximum deviation from Squareness shall not exceed to 0.5 mm. over a distance of full width in the weft direction and 610mm. in the warp direction.
- (b) The maximum difference in the edge of any panel nominally 2 meter long without crossing weft wire must not exceed 2 mm.

(2) Diagonals:-

The diagonals variation over a distance of full width in the weft direction and 1 meter in warp direction, without crossing weft and warp wire must not exceed 0.5 mm.

(3) Composition:-

- (a) The tendered must furnish with technical tender, a certified analytical report from a recognized laboratory describing details of composition of the alloy of the offered cloths (5% tin contents) as Phosphor, Lead, Tin, Copper Impurities etc. along with tensile strength and elongation percent on gauge length of 50 mm.
- (b) The offered wired cloths when unrolled must be absolutely flat and should not have curling tendency.
- (c) The offered wire cloths must be well cleaned and free from dirt, oil and grease.

(4) Test Certificate:-

Govt. Recognize Metallurgical lab Test Certificate of Tensile Strength, Elongation, and Chemical (Material) analysis report of the wire should be provide by the bidder for each wire mesh with each supply (If it is not provided with the supply of item than the supply will be rejected).

A	B	C	D	E	F
Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Consignee ID
1	PBWC 20x20 Mesh	As per technical Specification	416	sqm	kumar.vikash@spmcl.
2	PBWC 30x30 Mesh	As per technical Specification	250	sqm	kumar.vikash@spmcl.
3	PBWC 70x48 Mesh	As per technical Specification	250	sqm	kumar.vikash@spmcl.
4	PBWC 18x18 Mesh	As per technical Specification	875	sqm	kumar.vikash@spmcl.
5	PBWC 30x30 Mesh	As per technical Specification	510	sqm	kumar.vikash@spmcl.
6	PBWC 80x60 Mesh	As per technical Specification	510	sqm	kumar.vikash@spmcl.

	G	H
	Delivery Period (In number of days)	
com	180	
com	180	
com	180	
com	180	
com	180	
com	180	