

Government of India
Ministry of Textiles
Office of the Development Commissioner (Handlooms)
Weavers' Service Centre
Kacchangarh, Barari
Bhagalpur -812003
Telephone No. 0641-2950215
E-mail: wsc_bgp@yahoo.co.in

Notice Inviting Tender No. WSC/BGP/NHDP/CHCDS/TEC/ 2021

DATED: 28.09.2021

Notice Inviting Tender Suppliers for supply of Dyeing Machinery and equipment Units to the M/s. Katoria PWCS Ltd. Amarpur District Banka Bihar State under Comprehensive Handloom cluster Development Scheme (CHCDS)

The Office of the Development Commissioner (Handlooms), Government of India, Ministry of Textiles, New Delhi is implementing for integrated and holistic development of handlooms through taking up clusters in the Blocks For purchase of such items by 100% cost will be borne by the GoI. The specified machine and equipments, Accessories will be sourced from the Empanelled Supplier only.

1. **Notice Inviting Tender_NIT**) is invited from eligible organizations for their empanelment as supplier(s). The Notice Inviting Tender should be submitted within stipulated time as mentioned in Critical Data Sheet below. For complete details about project scope, funding, selection process and other terms, please refer to Notice Inviting Tender available at <http://handlooms.nic.in>.
2. The tender document may be downloaded from website www.handlooms.nic.in (for reference only) and the complete process to be carried out in CPPP site <https://eprocure.gov.in/eprocure/app> and the schedule of dates are given in critical date sheet as under.

CRITICAL DATE SHEET

1	Published Date and Time	28-09-2021/05:00 PM
2	Bid Document Download Start Date and Time	28-09-2021/05:00 PM
3	Seek Clarification Start Date and Time	28-09-2021/05:00 PM
4	Seek Clarification End Date and Time	08-10-2021/02:00 PM
5	Bid submission starts Date and Time	29-09-2021/10:00 AM
6	Bid submission closing Date and Time	08-10-2021/05:00 PM
7	Technical Bid Opening Date and Time	09-10-2021/03:00 PM

3. Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. The contractors/bidders are advised to follow the instructions provided in the "Instructions to the Contractors/Bidders for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app> as mentioned the proposal format letter in the **Annexure-II**. Bid documents may be scanned with 100 dpi with black and white (which helps in reducing size of the scanned document) with good visibility.

4. Bidders shall not tamper/modify the tender form including downloaded financial bid template in any manner. In case, if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD would be forfeited and bidder is liable to be banned from doing business with Office of Development Commissioner for Handlooms.

5. Intending tenders are advised to visit Office of Development Commissioner for Handlooms website www.handlooms.nic.in and CPPP site <https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of tender for any corrigendum / addendum/ amendment to be followed.

6. Earnest Money Deposit (EMD): INR 20,000/- (Rupees Twenty Thousand only) in the form of DD in favour of **Senior Pay and account office (Textiles) Kolkata** or BG from a Nationalized Bank in India, drawn in favor senior Pay and account office (Textiles) Kolkata.

7. If the EMD is submitted through BG, the minimum validity date of the BG should be 120 (one hundred twenty) days from the last date of submission of the bids. The Hard Copy of signed/uploaded tender documents along with original instruments in respect of EMD must be delivered to the address to **Assistant Director, Weavers' Service Centre, Office of the D.C.Handloom, Kanchangarh, Barari, Bhagalpur-812003, Bihar** on or before bid submission end date/time as mentioned in the critical date sheet. If, Bids not accompanied with EMD are liable to be rejected. NSIC registered agencies are exempted for EMD and other rules and regulations which are implemented from time to time by Govt. of India is applicable.

8. Bids will be opened as per date/time as mentioned in the Tender Critical Date Sheet. After online opening of Technical-Bid, the results of their qualification as well Financial Bid details proceedings will be uploaded in the central public portal.

9. Submission of Bids:

The bids shall be submitted online in two bids systems, viz., Technical bid and financial bid. All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading. The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.

9.1 Fee/Technical Bid (Check list):

The following documents are to be self-attested and furnished by the Bidder as a part of Technical Bid as per the **Annexure -III** along with EMD as applicable:

- a) Scanned Copy of Certificate of Incorporation / Registration / MOA, PAN Card and GST Registration certificate as applicable.
- b) Scanned Copy of Audited Balance sheet plus Profit and Loss account of last three years audited by certified CA.
- c) Scanned copy of EOI Acceptance Letter and Power of Attorney for the Authorized Signatory as per **Annexure - IV and V.**
- d) Scanned copy of non-blacklisting certificate as per **Annexure - VI**
- e) Scanned copy of proof for payment of EMD and previous three years Income tax return.
- f) copy of relevant supply orders and proof of their execution for proof of minimum two years experience
- e) scanned copy of completion of work undertaken for govt. central or states.

9.2 Financial Bid (Check list): Price bid is to be furnished by the Bidder as per prescribed format (BoQ) as detailed in **Annexure-VII.**

Sd/-

Assist. Director /Head of Office, WSC-Bhagalpur

Notice Inviting Tender Suppliers for supply of Dyeing Machinery and equipment Units to the M/s. Katoria PWCS Ltd. Amarpur District Banka Bihar State under Comprehensive Handloom cluster Development Scheme (CHCDS)

Last date of receipt of EoI: The details are given in Critical Data Sheet as above. In case tender submission date is falls on a holiday in WSC Concerned jurisdiction, next working day will be considered as last date of receipt.

1. Background

The handloom industry in India has been known all over the world for centuries for its excellent craftsmanship. This industry has a long tradition of excellence, forming a part of the ancient cultural heritage. It satisfies one-third of the total cloth requirement of our country. It is a traditional and semi urban cottage industry which is interwoven with the life and style of Indian people. Next to agriculture, handloom industry provides job opportunities to millions of people all over the country. This sector is unorganized and dispersed. There is absence of market intelligence, poor exposure to new technologies, product diversification, stiff competition with mechanized sector, inadequate infrastructure & common facilities, lack of adequate working capital etc. Handloom clusters require massive investment for their integrated and holistic development. Hence, the Office of DC (Handlooms) is taken initiatives to develop handlooms with a view to enhance weavers' output/productivity and quality of the products, leading to an increase in income of the weavers under Comprehensive Handloom Cluster Development Scheme (CHCDS).

The empanelment of suppliers shall be done by inviting online bids through two bid systems (Technical and Financial).

The NIT document can be downloaded from the CPP portal www.eprocure.gov.in/eprocure/app. The bids shall be submitted **online only** at CPPP website: www.eprocure.gov.in/eprocure/app. **Offline / Manual Bids shall not be accepted.** However, the guidelines will be followed from time to time issued by office of DC (Handlooms).

2. Installation of Machineries and equipment shall be the responsibility of supplier at the site of Dye House.

3. Machinery and Equipment Specifications

- The Machinery and equipment supplied should be new, of good quality and comply with the parts specifications and quality norms as attached in **Annexure -I**.
- Supplier needs to stamp/emboss/engrave all equipment supplied by him with a unique code for identification. Quality of item will be checked by weaver at the time of taking delivery and has to fulfill the weavers' satisfaction for working condition.
- Any deviations found from approved quality of the items during course of implementation, the supplier will be debarred from empanelment along with suitable penalty as decided by Weavers' Service Centre, Bhagalpur.
- All items should carry a warranty of one year against any manufacturing defects from date of Installation/ Commissioning.

5. Eligibility Criteria for submission of NIT

- a) The Supplying Agency should be a registered entity along with GST Registration and maintain the rules and regulation imposed by the Government from time to time.

b) The Supplying Agency should have minimum two years' experience in manufacturing handlooms parts and lighting units etc.

6. Process of Empanelment

- a) Applications for empanelment will be opened and assessed by a Committee through CPPP.
- b) Financial bid will be opened only for those agencies fulfilling eligibility norms and submitted sample/s of items as per specifications (product quality). Empanelment of suppliers will take place on basis of lowest bid for each item.
- c) The committee reserves the right to commend amendments in the proposed project. The selection in that case will be subject to incorporation of those amendments.
- d) Decision of the committee shall be final and binding on all the bidders.
- e) Committee reserves the right to appoint more than one supplier for each item subject to eligibility, compliance to quality, price term etc.
- f) Committee reserves the right to accept/reject any bid without assigning any reason.

7. Payment terms and conditions

Payments terms will be as follows:

100% amount will be paid on supply and installation of Machineries and equipment after inspection by Local Committee and same the will be paid by GoI.

8. Other Terms and Conditions

- a. In financial bid, prices quoted need to be inclusive of all costs, including taxes, duties etc.
- b. The prices quoted should be valid for minimum one year with a provision for extending the same for second year, subject to consent of the suppliers and satisfactory performance.
- c. Periodical updates to the Weavers' Service Centre, Bhagalpur regarding the progress of the supplies.
- d. Confidentiality of the data provided by the Weavers' Service Centre, Bhagalpur should be maintained.

9. Rights of Weavers' Service Centre (WSC)

Weavers' Service Centre, Bhagalpur reserves the right to accept/reject the proposals received without assigning any reason whatsoever or may call for any additional information/clarification, if so required.

10. Agreement Cancellation

In the event of supplier not commencing the supply within 60 days after placing the supply order, Weavers' Service Centre, Bhagalpur at its sole discretion shall cancel this agreement in writing and forfeit the earnest money along with suitable penalty.

11. Court Jurisdiction

This shall be subject to the exclusive jurisdiction of courts at Bhagalpur (Bihar).

12. Force Majeure

Should any Force Majeure circumstance arise, each of the contracting party shall be excused for the non-fulfilling or for the delayed fulfillment of any of its contractual obligations, if the affected party within 15 days of its concurrence inform the other party in writing.

Force majeure shall mean fire, flood, natural calamities or any other acts as war, turmoil strikes (as not limited to the establishment of the seller), sabotage, and explosion and quarantine restrictions beyond the control of either party.

13. PREPARATION OF BIDS

- 1) Bidder should take into account of any corrigendum published on the tender document before submitting their bids / closing date of the bid submission.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

14. SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9) Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

15. INSTRUCTIONS FOR ONLINE BID SUBMISSION

(i) SEARCHING FOR TENDER DOCUMENTS

1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ' My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.

3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.


(ii) REGISTRATION

- a) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "Online bidder Enrollment" on the CPP Portal which is free of charge.
- b) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- c) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- d) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- e) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- f) Bidder then logs in to the site through the secured log4n by entering their user ID / password and the password of the DSC / e-Token.

(iii) PREPARATION OF BIDS

- a) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- b) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- c) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- d) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

(iv) SUBMISSION OF BIDS

- a) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
 - b) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
 - c) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
 - d) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the Tender Processing Section, latest by the last date of bid submission. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
 - e) A standard Price Schedule provided with tender document (excel sheet) format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the Price Schedule provided with tender document (excel sheet) file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the Price Schedule provided with tender document (excel sheet) file is found to be modified by the bidder, the bid will be rejected.
 - f) The serve time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
 - g) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done.
 - h) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
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- i) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- j) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

(v) ASSISTANCE TO BIDDERS

- a) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- b) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

16. Performance Security

The Empanelled Supplier will be required to deposit Performance Security for an amount of 5% of the value of the order in the form of Demand Draft/Bank Guarantee from Commercial Bank in favor of **Assistant Director, Weavers Service Centre, Bhagalpur.**

17. Miscellaneous

In case of any further clarification or information, following may be contacted:

Shri Vinod Bhaisare, Assistant Director (W), Weavers' Service Centre (WSC), Office of the Development Commissioner (Handlooms), Ministry of Textiles, Government of India, Kanchangarh, Barari, Bhagalpur, PIN-812003, E-mail: wsc_bgp@yahoo.co.in

For any technical related queries pertaining to online portal uploading please contact

CPP mail id: support-eproc@nic.in

CPP Portal Help Desk No.: 0120-4200462, 0120-4001002, 0120-4001005

18. Arbitration & Reconciliation Act

(i) In event of any dispute or difference between the parties hereto, such disputes or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then the unresolved dispute or difference shall be referred to arbitration of the sole arbitrator to be appointed by the Development Commissioner (Handloom), Ministry of Textiles. The provisions of Arbitration and Conciliation Act, 1996 (no.26 of 1996) shall be applicable to the arbitration under this clause. The venue of such arbitration shall be at Bhagalpur or any other place, as may be decided by the arbitrator. The language of arbitration proceedings shall be final and binding on the parties. The expenses incurred by each party in connection with the preparation, presentation shall be borne by the party itself.

(ii) Pending the submission of and/ or decision on a dispute, difference or claim or until the arbitral award is published; the parties shall continue to perform all of their obligations under this agreement without prejudice to final adjustment in accordance with such award.



List of items required for supply

Quantity is indicative only, which may increase, decrease or remain same.

S. No.	Name of Machinery and equipment	Specifications	Quantity																								
1	Hank Dyeing Machine	Hank Dyeing Machine HTHP (Cabinet Type) Capacity 10kg loading cotton and silk yarn per batch. Made for Stainless Steel Sheet of 316-L. Thickness of S.S Sheet Fully 12x14x16 gg With Electric motor (1HP) 1400 RPM, with A/c Drive, Motor Make Crompton, Bharat Bijli, ABB, Panel digital tamp meter with water level indicator, dabble valve outlet & inlet, Main Shaft fitted Mech. Seal.Electric Heating System 6kw, and safety features for machine & operator	01																								
2	Hank Dryer (Chamber)	Capacity 25 Kgs minimum, loading cotton yarn per batch. Size of Chamber (4'Length 4'Width 6'Hight') Electric Heater Used 18kw, heavy and dabble wall insulated statures with glass wool. High Temperature paints outside an inside for dryer. Heavy metal impellers run of 1440 RPM. Motor 2 HP- 1Nos, 3 Phase 1400RPM - Trolley-1 Nos, Impellers -1Nos, Special design for Electrical heating coil for quick heating. Max. drying time 1 to 1.5 hours per batch.	01																								
3	Hydro Extractor for Hank yarn	S.S. Basket Made for Stainless Steel, complete with Motor 1 H.P. Size of S.S basket 20"-15" (Outer & Inner Drum made for Stainless Steel) complete with all accessories, Drain Size 65 MM	01																								
4	PH Meter	Digital Ph Meter	01																								
5	Crock Meter	crockmeter with 100 crocking cloths	01																								
6	Jigger Dyeing Machine	M S. Frame Jigger Machine 66inch 120 kg capacity Jigger Machine M.S. Frame for the structure. Main roll dia 168 od S.S. 304 Quality. SS 304 quality Tank and its expandor & its gaide 76 od 14 SWG Roll 3.H.P 960 Rpmo Branded Motor and its controlling Panel & Push Botton. Gas Burner Complete Fetting. 10 Dia Break drum & its liner. Slow Single speed drive.	01																								
7	E.T.P (Effluent Treatment Plant)	<p>Flow : 2 cum/day Max Flow : 2.5 cum/day Operating hours : 20hrs.</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>Inlet Parameter</th> <th>Outlet quality as per GPCB limits</th> </tr> </thead> <tbody> <tr> <td>Ph</td> <td>7-8</td> <td>6.5-8.5</td> </tr> <tr> <td>COD (mg/l)</td> <td>1400-1500</td> <td>< 350</td> </tr> <tr> <td>BOD (mg/l)</td> <td>850-900</td> <td><200</td> </tr> <tr> <td>T.S.S. mg/l</td> <td>150</td> <td><5</td> </tr> <tr> <td>Oil & grease</td> <td><20</td> <td><10</td> </tr> <tr> <td>Temperature</td> <td>25-35 Degree Celsius</td> <td></td> </tr> <tr> <td>Flow</td> <td>95 % recovery</td> <td></td> </tr> </tbody> </table> <p>The ETP plant consists of Bar Screen, Effluent transfer pump, centrigual pump, air mixing system, Air compressor, Air membrane diffusers, Filter feed pump, media filter, activated carbon filter, . Bar screen chamber 1 MS Primary Clarifier 1 8MS Epoxy, Aeration Tank 1 MS Epoxy, Secondary Clarifier 1 MS Epoxy,</p>	Parameters	Inlet Parameter	Outlet quality as per GPCB limits	Ph	7-8	6.5-8.5	COD (mg/l)	1400-1500	< 350	BOD (mg/l)	850-900	<200	T.S.S. mg/l	150	<5	Oil & grease	<20	<10	Temperature	25-35 Degree Celsius		Flow	95 % recovery		01
Parameters	Inlet Parameter	Outlet quality as per GPCB limits																									
Ph	7-8	6.5-8.5																									
COD (mg/l)	1400-1500	< 350																									
BOD (mg/l)	850-900	<200																									
T.S.S. mg/l	150	<5																									
Oil & grease	<20	<10																									
Temperature	25-35 Degree Celsius																										
Flow	95 % recovery																										

		Holding Tank 1 MS	
8	Hank winder (hank to bobbin)	Hank to bobbin Winder, 12 spindle machine, double side, with hank attachment, Electric motor, Slow speed single speed drive, Starter, Bakelite drum, tensioner and floor mounted unit with MS channel frame, Motor head jail, etc.	01
9	Water softening	Water Softener capacity 100 lph Resin in Ltr. 25 Ltr. Vessels Capacity in Ltr. 30 Ltr. Vessels Qty. 1 no. MOC of Vessels FRP Piping & Fitting (by supplier) PVC/equal. Inlet/Outlet connections with unions (mm) 3/4" Output/Regeneration (m3) 1m3 Regeneration at your site (on 450 ppm Hardness) 1m3 Treated Water Hardness PPM CaCo3 with 25 kg regenerative salt.	01
10	Boiler	Wood fired 50 Kg/hr boiler, With Pump n motor n water level Controller, n Pressure Gauge n Safety Valve, water feed tank 500 ltrs with piping, steam piping 10 mtrs with cladding and with one steam cock for 01 outlet. Complete with standard accessories, erection and working.	01

Place : Bhagalpur



(V. U. Bhaire)
 Assistant Director (W),
 Weaver's service centre,
 Bhagalpur.