

BNPM/NCB/DIS /0413/2020-21	BANK NOTE PAPER MILL INDIA (P.) LIMITED	Cover Sheet
	CORRIGENDUM No. 1 Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru	Sheet 1 of 38

CORRIGENDUM No. 1 DATED 08.09.2020

FOR

TENDER No.

BNPM/NCB/DIS/0413/2020-21 DATED 11.08.2020

FOR

Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru

PURCHASER : BANK NOTE PAPER MILL INDIA (P.) LIMITED

EQUIPMENT : DISINTEGRATION SYSTEM FOR WASTE BANK NOTE PAPER

LOCATION : BNPM PLANT, MYSURU, KARNATAKA



**ISSUE
R1**

BNPM/NCB/DIS /0413/2020-21	BANK NOTE PAPER MILL INDIA (P.) LIMITED	
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1.0 SCOPE OF THIS CORRIGENDUM

1. Details provided in this corrigendum shall override those mentioned in the tender no. BNPM/NCB/DIS/0413/2020-21 Dated: 11.08.2020

2. Except for details mentioned herein, all other details contained in the tender no. BNPM/NCB/DIS/0413/2020-21 Dated: 11.08.2020 shall remain unchanged.

3. Due date of bid submission:

Closing date and time for receipt of tenders	30.09.2020; 1430 Hrs.
Time and date of opening of techno-commercial bid	30.09.2020; 1500 Hrs.

4. Clarification to bidders' queries:

Sl. No.	Bidders Queries	Action/Clarification incorporated in this Corrigendum
1	<p><u>Section VII: Technical Specifications:</u> <u>{Page No. 37 of 72}</u></p> <p>6. Performance Guarantee: 1) Performance Test Run Conditions f) The results of the Final Acceptance Test will be evaluated in a joint protocol between the Bidder and Purchaser. Minor defects will be recorded in the "Acceptance Certificate" and will be solved by the VENDOR within a reasonable time. The signature of the Acceptance Certificate acknowledges the acceptance by Purchaser of the scope of works to be performed by Bidder under this contract.</p> <p>Bidder Query: Please clarify, what process, procedure will be adapted to fulfill the FAT? Please kindly share the FAT plan and protocols.</p>	<p>FAT would be conducted for 5 days in 8 hours shift per day, during which the machine output should be at least equal to the design output of 300 Kg of briquette per hour i.e. 2400 Kg/shift.</p>



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2	<p><u>Section VII: Technical Specifications:</u> <u>{Page No. 37 of 72}</u></p> <p>6. Performance Guarantee:</p> <p>1) Performance Test Run Conditions</p> <p>a) Bidder shall guarantee and demonstrate the performance of the equipment supplied under the contract at a date not later than 3 months from the date of commissioning. Purchaser & Bidder shall mutually agree upon the exact time for the test runs.</p> <p>b) The VENDOR shall conduct a pre-test run (optimization run), if required, prior to the actual test run to suitably adjust / fine tune the operating parameters for the successful conduct of the test run.</p> <p>c) If the test run fails, due to reasons attributable to the vendor, the vendor shall conduct a repeat test at a mutually agreed time and vendor shall undertake the remedial / corrective measures at his own cost before beginning the repeat test.</p> <p>Bidder Query:</p> <p>1. Please clarify, if this is part of Final Acceptance Test.</p> <p>2) Performance Guarantee Figures:</p> <p>> Bidder shall guarantee the disintegration of the CWBN Security Paper no less than 2300 Kgs / 8Hour per day for continuous five days. The size of the shred will be less than 10X10mm.</p> <p>Bidder Query:</p> <p>1. The capacity can only be achieved with a constant loading of the system at least 300kg/h. Is that OK? Or the loading time during the stop of the system hasn't to be considered.</p>	<p>1. Pre-test run is not part of FAT but is for fine tuning the machine by vendor to get the designed output.</p> <p>1. Feeding of sufficient quantity waste paper would be done continuously by BNPM personnel. The system should be able to handle it and convert to briquette at 300 Kg/hr. The briquetting operation should be continuous without any stopping.</p>
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3	<p><u>Section VII: Technical Specifications:</u> <u>{Page No. 34 of 72}</u></p> <p>2. Supply:</p> <p>1) Disintegration System shall consist the following</p> <p>a) Sheet feeder, a mechanism to feed sheets of folded form 1.5m x 1.5m x 150mm thickness /1.5m X 1.0m X 300mm thickness. (Folded Multiple times)</p> <p>b) Pre-Crusher (Shredding Process)</p> <p>c) Collecting system of paper strips for pulping (Broke Pulp). Adequate number of collection bins shall be provided for initial use. (10 movable trollies of 1.0 m x 1.0 m x 0.6 m approx. of wire mesh type for transfer of folded paper from paper machine to disintegration feeding system and 05 PVC/Plastic bins of size 1.1 m x 0.7 m x 0.6 m approx. with PU wheels to be supplied by bidder.)</p> <p>d) Transportation of strips which includes the security thread to the Granulator</p> <p>e) Granulator system including Knives</p> <p>f) Transportation of shred to Briquetting system</p> <p>Bidder Query:</p> <p>1. Please clarify: Do we understand the desired destruction process and equipment correctly:</p> <ul style="list-style-type: none"> - Sheets are cut from a paper roll and stacked upon each other. At a certain height of the stack the stack is folded to a size of e.g. 1.5 m x 1.0 mm x 300 mm. - These sheets are transported to the pre-crusher in mesh trollies and fed into the feeding station of the pre-crusher and are 	<p>1. Folded sheets/bales would be carried in bins and loaded onto conveyor manually. The pre-crusher should cut the paper to size suitable for granulator and automatically transfer to granulator. The granulator to cut/shred it to maximum size of 10 x 10 mm and transfer to hopper and then convert to briquettes.</p>
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<p>cut into pieces.</p> <ul style="list-style-type: none"> - The pre-crushed stripes of pure sheets without pollution with thread are dumped into the PVC trollies for recycling. They are removed by manual transportation - The pre-crushed stripes with thread are automatically transported the granulator and shredded to a size of 10 x 10 mm = 100 mm². <p>Please confirm or correct.</p> <p>2. Please specify:</p> <ul style="list-style-type: none"> i) width of paper roll ii) sheet length after cutting iii) number of sheets stacked iv) desired size of the stripes after pre-crushing <p>3. Please clarify: A guillotine for cutting the paper sheets from the paper roll is not part of the tender supply.</p> <p>4. Please clarify: Granulator system usually is a fast rotating paper mill to cut paper to the size of e.g. 10 mm x 10 mm. Is another technology applicable which fulfills the requirements of the tender specification?</p> <p>5. What is the density of feeding material to Pre-Crusher?</p> <p>6. What is the moisture percentage of feeding material?</p>	<p>No pre-crushed stripes of sheets with thread are loaded/fed into the machine. Only reject paper is loaded/fed onto the conveyor.</p> <p>2. i) Width of roll is about 2.5m and maximum diameter is 1.5m, minimum diameter is 0.26m.</p> <p>2. ii) This roll is manually cut and multiple sheets are folded into stacks of dimensions 1.5m X 1.5m X 150mm / 1.5m X 1.5m X 300mm</p> <p>2. iii) As given in tender, point 10. A) 2. Paper Size.</p> <p>2. iv) The strip size after pre-crushing should be suitable to be handled by granulator.</p> <p>3. Guillotine machine for cutting paper is not part of the supply. Shredder/Pre-crusher, Granulator, Briquette Press, conveyor, ducting, all electrical, mechanical systems are part of the supply.</p> <p>4. Bidder shall submit in their bid any other technology available which fulfills the tender specifications / requirements.</p> <p>5. Feeding material is folded Bank Note Paper. Density of each sheet is 800 gm/cc.</p> <p>6. Moisture: 5 to 7%</p>
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	<p>7. Feeding mechanism is the feeding conveyor to feed foldable sheets?</p> <p>8. Please confirm the infeed folded paper sheet diameter.</p> <p>9. We want to see the waste material picture through VC as physical visit is not possible due to covid.</p> <p>10. Please confirm the % of loose/folded (wrapped) material.</p> <p>11. The given trolley sizes we will check in market, if we get it then Okey, if not can you accept the similar size?</p> <p>12. Collecting system of paper strips for pulping. This includes only the containers or do we have to take into account any other processes?</p> <p>13. Transport of Strips which includes the security thread to the Granulator. The material is transported manually to the loading point of the disintegration system, correct?</p>	<p>7. Folded sheets would be loaded on feeding conveyor for feeding to shredder/pre-crusher.</p> <p>8. Folded sheet size is given in tender, 1.5m X 1.5m X 150mm / 1.5m X 1.5m X 300mm</p> <p>9. Pictures of waste material can be provided on request.</p> <p>10. Can be 100% or less based on reject paper available.</p> <p>11. Trolley sizes provided is approx., trolley should be able to handle the folded paper / paper strip sizes provided in the tender.</p> <p>12. Only Containers/Bins are required.</p> <p>13. The waste paper would be collected by BNPM personnel in bins and loaded on to the conveyor manually. The conveyor should feed the paper to shredder / pre-crusher and then it should be transported to granulator by the machine.</p>
4	<p><u>Section VII: Technical Specifications:</u> <u>{Page No. 34 of 72}</u></p> <p>2. Supply: 4) Essential Spares:</p> <p>(a) These are the spares required for regular operation of the disintegration system. The vendor shall provide all essential spares (critical spares) for all systems/equipment supplied by the vendor along with a list. Spares knives (Three sets) shall be included in the spares for both Shredder & Granulator.</p>	



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	<p>(b) The cost of the commissioning spares shall be the part of main supply and shall be considered for the price bid evaluation.</p> <p>(c) Operation of Machine: 300Kgs/Hr., 20 Hrs./Day, 300 Days per year.</p> <p>Bidder Queries:</p> <ol style="list-style-type: none"> 1. Please Clarify: Essential Spares is correct instead of Commissioning Spares. 2. As per our experience the disintegration plant is working 8-9 hours, we want to re-check if it is really 20 hours. Because for 20hrs working all machine should be heavy duty in system where some machines may required 02 units instead of 01 machine. Which means additional cost will be occurred. 3. Three (03) sets of knives for the system, please state overall hours, that you expect for the life of the knives and every bidder should deliver knives for the expected hours, and not a number of sets 	<ol style="list-style-type: none"> 1. Commissioning spares are spares required for erection, installation, commissioning and upto completion of FAT. Essential spares are spares required for regular operation of the machine. 2. Maximum working hours is 20Hrs. Machine shall be operated as per the waste generation. 3. Each knife set shall give a life of 500 Tons till the end of life by re-sharpening, if required.
5	<p><u>Section VII: Technical Specifications:</u> <u>{Page No. 35 of 72}</u></p> <p>4. Erection:</p> <p>(d) No foundation can be provided. Therefore, the equipment shall be floor mounting type and the supply shall include anti-vibration pads.</p> <p>Bidder Query:</p> <ol style="list-style-type: none"> 1. Please specify the floor load capacity of the room where the system have to be installed. 2. We need a load bearing capacity (concrete floor) of at least 2000kg/m² in the whole area of the BDS-System. Is this OK? 	<ol style="list-style-type: none"> 1. Based on the load of the machine of the successful bidder. The floor would be casted accordingly. 2. Same as mentioned in point 1



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6	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 38 of 72}</u></p> <p>8. Battery Limits: 1) Raw Material: (a) Waste Paper Sheets: Waste paper will be made available at the feeding point by purchaser. Feeding of paper to Pre-Crusher section shall be in the scope of Bidder.</p> <p>Bidder Query: Feeding conveyor is considered for feeding the waste paper sheet. You will have to load it manually?</p>	Waste folded sheets would be manually loaded on conveyor to feed it in shredder/pre-crusher.
7	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 38 of 72}</u></p> <p>8. Battery Limits: 2) UTILITY BATTERY LIMIT: (a) Fresh / Mill Water: PURCHASER will provide supply header with isolation valve within 5 meters from the installation area. After line tapping and distribution will be under the scope of supply of Bidder. Bidder shall confirm the requirement.</p> <p>8. Battery Limit: 3) Rejects (Briquettes): The successful bidder shall provide adequate no. of collection bin for initial use. Further procurement shall be in Purchaser's scope. The specifications shall be furnished by the bidder (high solid content) wherever required. Bidder shall provide reject handling system till the portable collection bin. Handling of collection bin shall be in Purchaser's scope.</p> <p>8. Battery Limit: 4) Electrical Power Supply: Power factor correction upto 0.95, if required, shall be in the bidder's scope.</p>	



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	<p>Bidders Query:</p> <p>1. Please clarify or confirm: The above mentioned fresh/mill water may be used for cooling the briquetting system? What are the ambient conditions: - temperature in the operating - humidity, non-condensing</p> <p>2. We are providing plastic bins OR Jumbo bags can be considered for collecting the reject briquette.</p> <p>3. Our system is operated through VFD control panel so power factor would be vary from 0.8 to 0.95.</p>	<p>1. Temperature: Maximum 37degC Humidity: 10 to 85%</p> <p>2. PVC Bins / Other suitable mechanism to be provided which meets the system requirement.</p> <p>3. Operation with VFD may be provided.</p>
8	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 38 of 72}</u></p> <p>8. Battery Limits: 2) UTILITY BATTERY LIMIT: (a) Compressed Air: The necessary equipment for Compressed air, if required, shall be in Bidder's scope.</p> <p>Bidder Queries:</p> <p>1. Please clarify: In a different section of the tender (Page 43 item 2) instrument air is available for the system. Is this instrument air available as compressed air or explain the difference or intention.</p> <p>2. Why do we have to install a compressor if you provide a single point supply?</p>	<p>Successful bidder can tap compressed air from the header available at BNPM. Compressed air at 6 bar pressure is available at BNPM, in case compressed air of higher pressure is required, the equipment required to generate compressed air, if any shall be in bidder's scope.</p>
9	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 38 of 72}</u></p> <p>10. Scope of Work (Complete System):</p> <p>i) Design, Engineering, Manufacturing, Supply, Erection and Commissioning, Performance/Acceptance test and onsite training of Fully automated, Integrated Bank note Waste Paper Disintegration System consisting of Shredder, Granulator and</p>	



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	<p>Briquetting machines along with spares and tools with all interconnecting conveyors, storage bins (10 nos.), piping, fittings, ducts, accessories, electrical, instrument and automations components with various security and safety provisions and shall include transportation, loading and unloading up to BNPM site.</p> <p>Bidder Query:</p> <p>1. As per clause no. 9 exclusion it is there that unloading is not in bidder scope. Please clarify the same.</p> <p>2. Tender asking of: Fully automated, integrated Bank note Waste Paper Disintegration System. Is the full process automated, including the tipping of the container on the conveyor and guillotine operation afterwards?</p>	<p>1. Unloading at BNPM shall be in bidder's scope.</p> <p>2. The waste paper would be collected by BNPM personnel in bins and loaded on to the conveyor manually.</p>
10	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 39 of 72}</u></p> <p>10. Scope of Work (Complete System): A) Material to be Processed:</p> <p>1) Type of Waste: Biodegradable Bank note paper made of Cotton and having strips of Non-Biodegradable Polyester Security Thread (width approx. 5-6 mm and thickness 30 micron) in</p> <ul style="list-style-type: none"> > Folded form 1.5m x 1.5m x 150mm thickness / 1.5m X 1.0m X 300mm thickness. (Folded Multiple times) > Compressed bale form of above size. > Loose crumpled sheets. <p>Bidder Query: What exact dimensions have the compressed bales? The bales shall not</p>	<p>The size is already provided in the tender page no. 39 {10.A}.1 Type of Waste}. There would be no metal wire.</p>



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	have metal wiring around. If yes, must be removed by operators.	
11	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 39 of 72}</u></p> <p>10. Scope of Work (Complete System): B) Disintegration System: 3) Shred Size: Shred size may be maximum of 10 mm.</p> <p>Bidder Query: We understand that the shred size is 10 mm x 10 mm or 100 mm². Is there a tolerance, e.g. 5% of the shreds may be bigger.</p>	10mm x 10mm is the maximum size, bidders can go for lower side.
12	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 39 of 72}</u></p> <p>10. Scope of Work (Complete System): B) Disintegration System: 4) Feeding of Waste: Suitable magnetic system at feeder conveyer to prevent metal objects being carried to the shredder along with paper. i.e. machine should have provision for Visual & Sound Alarm and machine should stop in the event of any metal object detected.</p> <p>6) Transport of material between shredding and granulation: Proper scraping device to be provided to prevent shreds from jamming the conveyor.</p> <p>Bidder Query: 1. Please clarify: The magnetic system is to protect the pre-crusher and the granulator. In case the pre-crusher is tolerant against metal objects due to design, power and size: can the system be supplied without a magnetic detector. As an alternative: may the magnetic detector be applied after the pre-crusher for the granulator only? In case</p>	1. Magnetic detector is required at feeding conveyor to prevent metallic objects from entering and damaging the system.



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	<p>the granulator is of the same technology as the pre-crusher, a magnetic system is not necessary as well.</p> <p>2. Due to space constraint the conveyor incline is high for which we have to use Chevron type Conveyor belt which protect the material from slipping back. Furthermore the scraping device is required if moisture content is more than 30%. Please confirm your moisture content in paper.</p>	<p>2. The sheets/bales loaded on conveyor should not come back along with conveyor but should fall into the shredder/pre-crusher. Hence scrapper is required. Moisture content in paper is 5 to 7%.</p>
13	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 40 of 72}</u></p> <p>10. Scope of Work (Complete System): B Disintegration System:</p> <p>7. Knives:</p> <ul style="list-style-type: none"> > MOC (Material of Construction) of Guillotine knives shall be Tungsten Carbide/ Material suitable for our operation. > Life of Knives shall be minimum 500 Tons. > Vendor shall visit the premises to examine and confirm the suitability of existing grinding machine for re-sharpening. <p>Bidder Query:</p> <p>1. Please clarify: A guillotine is not part of the tender supply.</p> <p>2. Please clarify: The life of the cutters is 500 tons until the end of the knives lifetime. Until the end of the lifetime the cutters may be re-sharpened. This is true for pre-crusher knives and granulator knives. Is a less than 500 tons acceptable because this exceeds our standard?</p> <p>3. Please clarify: The machine for re-</p>	<p>1. Guillotine machine is not part of tender supply. Material of Construction (MOC) of Shredder & Granulator Knife can be considered as Tungsten Carbide/ Material suitable for our operation.</p> <p>2. Life of knives shall be minimum 500 tons until the end of lifetime due to re-sharpening.</p> <p>3. If cutters can give life of 500 tons without re-sharpening (single use), it is ok. If granulator bars need to be re-sharpened and used and can last for 500</p>



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	<p>sharpening is for the cutters of the granulator bars?</p> <p>4. We must get from your side the life time in hours of the knives please</p>	<p>tons, it is okey. BNPM has Gockel G50 elt Surface grinding machine.</p> <p>4. Quantity of paper to be briquetted during useful life of knife set is given in point 2 above.</p>
14	<p><u>Section VII: Technical Specifications: {Page no. 40 of 72}</u></p> <p>10. Scope of Work (Complete System): C) Briquetting System:</p> <p>3) Location of the System: The briquetting system will be installed and adjacent to the destruction system. The discharge point shall be at ground level outside the building, which is approximately 7m lower than the machine floor. Horizontal distance is approximately 6 m.</p> <p>Bidder Query: Please give the complete layout of proposed area for disintegration system.</p>	<p>Proposed area layout already provided in tender document page no. 46.</p>
15	<p><u>Section VII: Technical Specifications: {Page no. 40 of 72}</u></p> <p>10. Scope of Work (Complete System): C) Briquetting System:</p> <p>4) Capacity for storage hopper for shreds: > Minimum of 1.5 m³ (or 150 kg)</p> <p>Bidder Query: Is it possible to change this clause from "Minimum of 1.5m³ (or 150kg)" to "As per individual system needs and site layout"?</p>	<p>Minimum 150 Kgs is required to have buffer quantity of granulated material to be converted into briquettes.</p>
16	<p><u>Section VII: Technical Specifications: {Page no. 41 of 72}</u></p> <p>10. Scope of Work (Complete System): C) Briquetting System:</p> <p>7) Briquetting capacity and briquette quality: > Upon installation, the briquetting system shall have an installed capacity that at least matches the disintegration capacity (min.</p>	



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	<p>300 Kgs/hr). > Briquettes shall have density of around 500kg/m³. > Diameter of the briquette is 80-100 mm (preferable) Bidder Query: 1. The density of the briquette will be more than 500Kg/m³ to achieve the capacity of 300 kg/hr. 2. For Cylindrical shape given size is okay for us, but here can we go for rectangular shape for the briquette, if we can go than what will be the acceptable size?</p>	<p>1. As per tender requirement, briquette density is 500Kg/m³ approx. Any other density of briquette offered by the bidder shall be suitable for operation of the system. 2. Cylindrical shape briquette is preferable.</p>
17	<p><u>Section VII: Technical Specifications: {Page no. 41 of 72}</u> 10. Scope of Work (Complete System): C) Briquetting System: 9) Type of Briquetting Press: The special design of the briquetting press(es) shall guarantee low maintenance effort and continuous operation. The cooling system if any, shall be oil/air cooled type. Bidder Query: The briquetting press has an air cooler for the hydraulic oil for ambient conditions or +35°C and humidity 85 % non-condensing. Exceeding this temperature an additional water cooling system is required incl. water supply. 1. Please clarify or specify the ambient conditions for the installation area of the presses, temperature and humidity and the availability of tub water for cooling. 2. Can we use 02 briquetting press if the operation hours is 20hrs, even we will find out some kind of chiller which can maintain the oil temperature low for the working of 20hrs continue in single unit.</p>	<p>1. Temperature: Maximum 37degC Humidity: 10 to 85% 2. System with one briquetting press is preferred. In case bidders are opting for 02 briquetting press in their system, then bidder shall ensure that system shall fit in the area mentioned in the tender document i.e. proposed area layout provided at page no. 46</p>



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18	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 41 of 72}</u></p> <p>10. Scope of Work (Complete System): C Briquetting System:</p> <p>10) Hydraulic unit for briquetting unit: The press(es) shall have a separate hydraulic unit for each press that shall be equipped with sound reducing enclosure for reducing the noise level below 80dBA or to meet statutory requirement. Technical details shall be provided by the bidder.</p> <p>Bidder Query: This value of 80dB(A) is an average value, for example for 1 hour, correct? How is the room wall equipped and how high is the room?</p>	<p>Sound reducing enclosure shall be as per industrial standard.</p> <p>Height of the room: 4.5m</p>
19	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 41 of 72}</u></p> <p>10. Scope of Work (Complete System): C Briquetting System:</p> <p>15) Automatic self-cleaning of air filter: > The self-cleaning process of the filter shall operate fully automatic and on the basis of compressed air. > Mechanical filter cleaning by means of "shaking/vibration" will not be accepted</p> <p>Bidder Query: The mechanical filter cleaning by vibration/shake is an energy saving and cost effective way of filter cleaning. The vibration is done during idle time for max. 10 minutes. A noise or vibration does not appear as the cleaning process is absolutely silent.</p> <p>Please clarify: will vibration cleaning be accepted if we fulfill the requirements of the tender and the above.</p>	<p>Automatic cleaning of filters with compressed area/blower at specified interval is required. The dust should get collected in a bin/tray which can be emptied periodically.</p>



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20	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 43 of 72}</u></p> <p>10. Scope of Work (Complete System): D) Ductwork and Transport Fan: 1) Ductwork: All ductwork consists of galvanised piping with smooth inner surface, connected with hermetic closing and easy removable sealed pull rings, which are electrically interconnected with conducting seal rings to release static electricity.</p> <p>Bidder Query: To release the static electricity we shall provide rubber gasket between two flanges & the ductwork shall be combined with earthing system.</p>	<p>Rubber Gasket / other suitable mechanism may be provided by the bidder but the same shall meet the tender requirement.</p>
21	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 42 of 72}</u></p> <p>10. Scope of Work (Complete System): E) System Control: 2) Operator log-in: The system shall be equipped with an operator log-in</p> <p>Bidder Query: Is it enough only 1 LOG-IN for all operators? Or each operator should have his own LOG-IN?</p>	<p>One password protected login for operator and one password protected login for Supervisor to access/change parameter settings.</p>
22	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 43 of 72}</u></p> <p>10. Scope of Work (Complete System): F) Electrical & Instrumentation: 4) Cabling: Cable termination shall be carried out by suitable sized nickel plated double compression glands.</p> <p>Bidder Query: Please clarify: All the modules of the system are different and require different cable terminations. Will a different cable termination of same quality be accepted.</p>	<p>Type of cable termination to be mentioned in the offer.</p>



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23	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 43 of 72}</u></p> <p>10. Scope of Work (Complete System): F) Electrical & Instrumentation: 6) Communications: Bidder shall provide necessary communication ports for remote diagnostics/ trouble-shooting through Ethernet, local engineering changes through serial port communication.</p> <p>Bidder Query: The PLC program of the disintegration and briquetting system is highly adopted to the function of the system and its modules and to the safety and security requirements of such heavy duty machines. Changes in the program will lead to human injury and system damage because of the high power of the shredder, granulator and hydraulic press system.</p> <p>As part of the tender, bidder will provide support for a minimum of 10 years minimum. Is it acceptable that our experts will provide this support, the program will be available at our end. Please clarify</p>	<p>Editable project backup is needed for troubleshooting and maintenance purpose</p> <p>PLC Program support has to be provided by bidder only</p>
24	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 43 of 72}</u></p> <p>10. Scope of Work (Complete System): F) Electrical & Instrumentation: 7) Control System Hardware & Software: > The system shall be PLC based control system with necessary field instruments and I/O system as required by process philosophy. The access control shall be password protected with hierarchy levels for operation and maintenance. PLC & HMI should be of M/s. Siemens make.</p> <p>>Bidder shall provide necessary Licensed</p>	



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	<p>Engineering software with final site accepted editable back-up program with all necessary access for future changes/trouble shoot by BNPM.</p> <p>Bidder Query:</p> <ol style="list-style-type: none"> 1. Please clarify: The PLC will be Siemens. The HMI will be a Windows based Industrial PC of a different brand were the BDS Control software is installed. 2. Can we use PLC & HMI of Schneider & ABB make? 3. The supplier can't deliver the software during the warranty time (otherwise, the warranty time isn't valid any more) Furthermore, due to safety reasons and CE-Conformity declaration, the supplier can't carry any responsibility in case of accident or troubles of the system. 	<ol style="list-style-type: none"> 1. PLC & HMI/IPC shall be of Siemens make as mentioned in the tender. 2. Editable project backup is needed for troubleshooting and maintenance purpose. 3. To be provided after end of the warranty period and the related point shall be incorporated in the agreement. Conformity declaration shall be given.
25	<p>Section VII: Technical Specifications: {Page no. 43 of 72}</p> <p>10. Scope of Work (Complete System): G) Trouble Shooting & Remote Diagnostics:</p> <p>2) Remote Diagnostics: The system shall be equipped with an Ethernet port for connection to Internet enabling remote diagnostics via a secure VPN connection.</p> <p>Bidder Query: Please clarify: The access to the system via internet is for the support by bidders only.</p>	<p>For remote diagnostic support by bidders.</p>



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26	<p>Section VII: Technical Specifications: {Page no. 43 of 72}</p> <p>10. Scope of Work (Complete System): H) Safety & Security: 2) Fully Closed System: The design of the complete system shall prevent any unauthorised access to the inside of the system and prevent dust emission.</p> <p>Bidder Query: We understand that the system is secured that unauthorized access to the shreds inside of the system is not possible. The loading area is designed for continuous loading with an open loading point to the conveyor.</p>	As per tender requirement
27	<p>Section VII: Technical Specifications: {Page no. 43 of 72}</p> <p>10. Scope of Work (Complete System): I) Reporting: > A briquetting report should provide the following information: · Daily production (kg) · Process time (hrs, min) · Capacity (kg/h)</p> <p>Bidder Query: Can the parameters be changed into "Operating hours" and "Amount of pressed briquettes"? How is the precision of the daily production in kg? Is it requested to work with weight scales?</p>	Operating hours is required and also amount of briquettes processed to be calibrated into Kgs.
28	<p>Section VII: Technical Specifications: {Page no. 44 of 72}</p> <p>10. Scope of Work (Complete System): J) Service & Maintenance: 2) Maintenance Requirement Planning: The bidder shall present as part of his proposal a "Maintenance Requirement Planning" for a period of 5 years from date of start-up including cost estimate on the basis of a</p>	



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	<p>destruction volume of 6 tons / day (Preventive Maintenance Schedule, Exhaustive Spare part list which is to be replaced during maintenance period is to be provided)</p> <p>Bidder Query: Shall this list contain only the required spare parts incl. Their prices for a period of 5 years (=30'000 operating hours) and a list of the maintenance tasks that have to be fulfilled during this period or also the prices for these tasks as well? And how about tasks like replacing knives, filters, oil changes... do these have to be listed too?</p>	<p>Successful bidder shall provide clear specifications / manufacturing drawing of wearable parts and bought out items, which needs to be replaced. The parts would be identified in consultation with successful bidder during commissioning.</p>
29	<p>Section VII: Technical Specifications: {Page no. 44 of 72}</p> <p>10. Scope of Work (Complete System): J) Service & Maintenance:</p> <p>3) Spare parts (Considering operation of machine for 20Hrs/Day and 300 days per year): E&I consumable spares for two years of trouble free operation.</p> <p>Bidder Query: Please clarify: Consumable spares are</p> <ol style="list-style-type: none"> a) Wearing parts except knives b) Operating material like oil, lubrication c) Consumables like bags etc. d) Can be taken from the spares supplied with the system and consumed without replacement 	<p>Bidders shall read "E&I consumable spares" as "E&I Spares" (example: I/O cards, Relays, sensors, Contactor, solenoid valves, fuses etc.)</p> <p>Till warranty completion period, all the lubricants and consumables, wear parts required to be replaced are in the scope of bidder, which is apart from the spares supplied. If required it shall be taken from the supplied items and should be replaced at vendors cost.</p>



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30	<p>Section VII: Technical Specifications: {Page no. 45 of 72}</p> <p>10. Scope of Work (Complete System): J) Service & Maintenance:</p> <p>8) Pre-shipment Inspection: Pre-shipment inspection shall be carried out by BNPM officials. Travel, Lodging and boarding costs shall be borne by the BNPM. All other necessary requirements have to be arranged by the bidder.</p> <p>Bidder Query:</p> <p>1. Is this an inspection of the material prior to shipment at Manufacturer's site or any other site prior to shipment. Please clarify.</p> <p>What is pre-shipment inspection:</p> <p>a) Inspection of completeness of the material as per the tender. b) Function test of the individual modules of the system. c) Factory acceptance test of the fully installed system.</p> <p>2. In PDI we have to provide machine readiness or you want to see operation of some major machine at no load.</p>	<p>1. Inspection at successful bidders manufacturing site before dispatch of the system to BNPM.</p> <p>2. Trial run of the machine has to be demonstrated at firm's premises using waste paper available with the vendor.</p>
31	<p>Section VII: Technical Specifications: {Page no. 45 of 72}</p> <p>10. Scope of Work (Complete System): J) Service & Maintenance:</p> <p>9) Site Visit: It is advised that the interested bidder shall visit the site to understand the requirement. During the visit, the bidder shall examine the available space, facilities etc. at the site. Bidder may submit the bid after site visit.</p> <p>Bidder Query: As travelling is difficult because of Corona, will it be possible to conduct a site inspection with electronic</p>	<p>No, BNPM is a security organisation and plant visuals through electronic mode is not possible.</p>



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	and secure tools, e.g. Sight Call. Please clarify.	
32	<p><u>Section VII: Technical Specifications: {Page no. 37 of 72}</u></p> <p>7. Training of Purchaser's O&M Personnel:</p> <p>a) On Site training of Operation and Maintenance personnel shall be in bidder's scope.</p> <p>b) The training shall cover training for approximately 6 personnel (Operation & Maintenance crew).</p> <p>c) Operation / maintenance staff of Purchaser shall be trained during testing / start-up / commissioning activities under the guidance of Bidders specialists at project site in India.</p> <p>Bidder Query: Please clarify</p> <p>a) duration of the training,</p> <p>b) We understand that no class room training is required. Training should be imparted only during testing/ start-up/Commissioning activities. Is our understanding correct.</p>	<p>a) Bidder shall decide no. of days based on the offered system and shall be included in the bid.</p> <p>b) Training about operation and regular maintenance activities like setting the operational parameters, resetting of faults, replacement of knives, replacement of wear parts etc. Yes it can be imparted during Testing / Start-up / Commissioning activities.</p> <p>All the required preventive / periodical maintenance should be carried out by successful vendor during warranty period. The maintenance required after warranty period also should be demonstrated to maintenance team with training.</p> <p>BNPM maintenance team should be trained in all trouble shooting / preventive maintenance activities,</p>



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33	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 45 of 72}</u></p> <p>10. Scope of Work (Complete System): L Other Requirements: 7) System Layout: On the basis of suitable building drawings provided by the BNPM the Bidder shall, as part of its Offer, provide a detailed and dimensioned layout drawing showing the proposed system.</p> <p>Bidder Query:</p> <p>1. In proposed area for disintegration machine dimension is given as 12m x 11m, Can you extend this up to 15m x 15m for better installation of plant & for easy maintenance purpose of disintegration system.</p> <p>2. In layout only length & width is mentioned. Confirm the Height?</p> <p>3. Could we get a drawing in AUTOCAD / DWG of the plant (concerned part), in order to introduce our system into the main drawing? Otherwise, will not be possible to deliver a drawing like requested on the page 45, 10.L.7.</p>	<p>1. Area cannot be extended, as provided in the tender.</p> <p>2. Height of the room: 4.5m</p> <p>3. AUTOCAD drawing shall be provided to the successful bidder.</p>
34	<p>Make for motors and electrical instruments, cables, panel is not mention in tender documents.</p> <p>Bidder Query: We are using drive, motors or electricals with the make Schneider, BB, ABB, SEW etc. and rest we will go for the reputed brand only.</p>	<p>Shall be acceptable; Preferred make: ABB. Bharat Bijlee, Schneider, SEW etc.</p>
35	<p>Bidder Query: Is that correct, that all Banknote papers going through the disintegration system isn't printed?</p>	<p>Yes, only unprinted bank note paper.</p>



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36	<p>Important Points at a Glance: {Page no. 5 of 72}</p> <p>Security Deposit / Performance Security: PBG has to be submitted by the successful bidder for 10% of the contract value within 21 days from the date of issue of LOI/PO and shall be valid for 12 months from the date of successful commissioning & completion of Acceptance test at BNPM plant, Mysuru plus 02 months claim period.</p> <p>Bidder Query: Could you please clarify the Period for providing PBG, after receiving the PO / Work Order etc. are different. In one place it mentions 21 days <u>(page no. 5, point no.5)</u> while in <u>(page 15, point no. 54.4.1)</u> the period is 5 days in the form of bank draft/pay order, drawn on any nationalized or recognized bank. Also the lines for PBG obligation in these two clause along with <u>(6.1 in page no. 21, point no. 6.1)</u> Within twenty-one days after the issue of notification of award by BNPM, the supplier shall furnish performance security to BNPM are not clear. Please clarify.</p>	<p>PBG has to be submitted by the successful bidder for 10% of the contract value within 21 days from the date of issue of LOI/PO.</p>
37	<p>GCC: Clause 16: Warranty: Point 16.5 {Page no. 23 of 72} - 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 BNPM.</p> <p>Bidder Query: Warranty asked is for 12 months. However for spares repaired / replaced during warranty shall have a continuing warranty for another 12 months. This means warranty obligation continues</p>	<p>Clause remain same as mentioned in the tender.</p>



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	<p>beyond 12 months and it is not capped. Please clarify, if the warranty period of rectified/replaced goods should be calculated on a pro-rata basis instead of further period of 12 months. We would also like to understand that how BNPMIL will look at the situation when Root cause analysis may reflect issues from operations, Maintenance or site & facility?</p>	
38	<p>GCC: Clause 16: Warranty: Point 16.6 {Page no. 23 of 72} - If the supplier, having been notified, fails to rectify/replace the defect(s) within a reasonable period (or) within the period, if specified in the SCC), BNPM may proceed to take such remedial action(s) as deemed fit by BNPM, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which BNPM may have against the supplier.</p> <p>Bidder Query: 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 BNPM. If the supplier, having been notified, fails to rectify/replace the defect(s) within a reasonable period (or within the period, if specified in the SCC), BNPM may proceed to take such remedial action(s) as deemed fit by BNPM, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which BNPM may have against the supplier. Please clarify - reasonable period (or within the</p>	<p>Any replacement of spares / parts shall be as per mutually agreed time depending on the criticality of the spares /parts in order to ensure minimum downtime of the system.</p>



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	period, if specified in the SCC), BNPM may proceed to take such remedial action(s).	
39	<p>GIT: Clause 43: Parallel Contract: {Page No. 12 of 72} BNPM reserves its right to conclude Parallel contracts with more than one bidder (for the same tender). If this is foreseen at the time of Tendering, a clause would be included in SIT giving further details.</p> <p>Bidder Query: BNPM can do modification in contract and also undertake parallel contract with another bidder. As in a tender process the contractual obligations have to be followed. There should not be parallel activities to tender. Please clarify.</p>	Parallel contract is not applicable for this tender.
40	<p>GCC: Clause 19: Modification of Contract: {Page No. 23 of 72} 19.1 - Once a contract has been concluded, the terms and conditions thereof shall generally not vary. However if necessary, BNPM may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:</p> <p>a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for BNPM, b) Mode of packing c) Incidental services to be provided by the supplier d) Mode of dispatch e) Place of delivery, and f) Any other area(s) of the contract as felt necessary by BNPM depending on the merits of the case.</p>	



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	<p>19.2 - In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly. If the Supplier doesn't agree to the adjustment made by BNPM, the supplier shall convey its views to BNPM within twenty one days from the date of the supplier's receipt of BNPM's amendment/modification of the contract.</p> <p>Bidder Query: Modification of contract post issue of award should not happen as contract gets binding on issue of award. Please clarify.</p>	Clause remain same as mentioned in the tender.
41	<p>Important Points at a glance: {Page no. 5 of 72}</p> <p>Point 6: Performance of the bidder in executing the previous contracts/orders of BNPMIPL shall be taken into account during technical evaluation. The bids of the tenderers who were unsuccessful in completing the previous orders of BNPMIPL without any valid reason are liable to be ignored /rejected.</p> <p>Bidder Query: Performance of the bidder in executing the previous contracts/orders of BNPMIPL shall be taken into account during technical evaluation. Please clarify if it is for similar product or any other products.</p>	Performance of the bidder shall be taken into account not the equipment.
42	<p>Important Points at a glance: {Page no. 5 of 72}</p> <p>Delivery Schedule: 6 months from the date of issue of Purchase order. (Please refer</p>	



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	<p>section VI of this tender).</p> <p>Bidder Query:</p> <p>1. 06 months from the date of issue of Purchase order. Please consider extending the delivery period of the system to 12 months instead of 6 months.</p> <p>2. Due to the COVID-19 the working efficiency is 50% only we request you to amend the delivery schedule for 10 months from the date of PO.</p> <p>3. We would like to receive 8 months instead of 6 months for delivery schedule.</p>	<p>Successful bidder shall arrange supplies within 10 months from the date of issue of LOI/PO.</p>
43	<p>SIT: Sl.no. 9: {Page no. 16 of 72} Signing and Sealing of Tender Note: The following SIT provision is made with respect the following clause 20.4. Number of Copies of Tenders to be submitted: 01 Set 20.9: E procurement: Not Applicable</p> <p>Bidder Query: Kindly confirm that bid submission is online or offline. Both options are mentioned in tender document. As per page no.16 of tender document Bid Submission is offline</p>	<p>Bidders shall note that bids has to be submitted online only through e-tendering portal: www.tenderwizard.com/BNP</p>
44	<p>SCC: Sl.no. 8: Terms and Mode of Payment:</p> <p>I) For Supplies:</p> <p>i) 80% on receipt and acceptance of goods by the consignee at destination and on production of all required documents by the supplier.</p> <p>ii) 20% on successful installation and commissioning and acceptance by the consignee.</p> <p>II) For Erection, Commissioning and Performance Trial:</p> <p>100% On successful installation, commissioning and acceptance by the</p>	



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	<p>Purchaser. III) For Training: 100% on successful completion of training.</p> <p>Bidder Query: Our Payments Terms (i) 30% Advance against ABG. (ii) 60% after pre inspection of material before dispatch (iii) 10% after complete installation of system at site.</p>	<p>Payment terms shall remain same as mentioned in the tender.</p>
45	<p>Other Query: Participation in the tender</p>	<p>Bidders shall ascertain eligibility for participation in the tender based on details provided in the tender document.</p>
46	<p>Is it really necessary to fill in the HSN/SAC code for every single maintenance recommended spare parts?</p>	<p>Yes, HSN/SAC code for every line item is required.</p>
47	<p><u>Section XIII: Bank Guarantee for EMD:</u> <u>{Page no. 64 of 72}</u></p> <p>Bidder Query: We would request to please confirm the amendment in first paragraph as “will be submitted on -----” instead of “has submitted its quotation dated -----”.</p>	<p>Bank Guarantee Format for EMD remains as mentioned in the tender document.</p>



5. Amendment to Tender clauses:

Sl.no.	Tender Clause	Amended Tender Clause
1	<p><u>Section VII: Technical Specifications</u> <u>{Page no. 38 of 72}</u> 8. Battery Limits: 4. Electrical Power Supply: 415V, 3Phase, 50Hz power supply shall be made available by Purchaser upto the MCC. PURCHASER. Complete Electrical Distribution system including MCC for all process equipment/systems supplied shall be in bidder's scope. Power factor correction upto 0.95, if required, shall be in the bidder's scope.</p>	<p>4. Electrical Power Supply: Clause to read as mentioned below (i) Total rating of the entire system shall be mentioned in offer which shall include Power & Current rating. (ii) Supply, laying & termination of necessary main power cable (4 Core Armoured Copper cable) of suitable rating for a length of not less than 120 meter, shall be in bidder scope including accessories like cable gland (double compression nickel cadmium coated), lugs (Copper lug of reputed make), Cable tray (reputed make) along with necessary hardware etc., Cable routing shall be shown by BNPM during site visit / installation. (iii) 415V, 3Phase, 50Hz power supply Feeder for termination of above main power cable shall be given by BNPM, further distribution to all sub-panels required for commissioning of the system shall be in bidder's scope. (iv) Power factor correction upto 0.95, if required, shall be in the bidder's scope.</p>



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2	<p><u>Section VII: Technical Specifications:</u> <u>{Page No. 37 of 72}</u></p> <p><u>6. Performance Guarantee:</u> 2) Performance Guarantee Figures: Bidder shall guarantee the disintegration of the CWBN Security Paper no less than 2300 Kgs/ 8Hour per day for continuous five days. The size of the shred will be less than 10X10mm.</p>	<p>2) Performance Guarantee Figures: Bidder shall guarantee the disintegration of the CWBN Security Paper no less than 2400 Kgs / 8Hour per day for continuous five days. The size of the shred will be less than 10X10mm.</p>
3	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 38 of 72}</u></p> <p>9. Exclusion: b) Unloading at site, placing at a storage area, shifting of goods from storage to place of erection, unpacking of packing cases and removal of packing material from the place of erection.</p>	<p>9. Exclusions: b) Placing at a storage area, shifting of goods from storage to place of erection, unpacking of packing cases and removal of packing material from the place of erection.</p>
4	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 40 of 72}</u></p> <p><u>10. Scope of Work (Complete System):</u> B) Disintegration System: 7. Knives > MOC (Material of Construction) of Guillotine knives shall be Tungsten Carbide / Material suitable for our operation.</p>	<p>7. Knives: > MOC (Material of Construction) of Shredder & Granulator Knife shall be Tungsten Carbide/ Material suitable for our operation.</p>
5	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 42 of 72}</u></p> <p><u>10. Scope of Work (Complete System):</u> E) System Control: 2. Operator log-in: The system shall be equipped with an operator log-in</p>	<p>2. Operator log-in: The system shall be equipped with one password protected login for operator and one password protected login for Supervisor to access/change parameter settings.</p>



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6	<p><u>Section VII: Technical Specifications: {Page no. 44 of 72}</u></p> <p><u>10. Scope of Work (Complete System):</u></p> <p>J) Service & Maintenance:</p> <p>3. Spare parts (Considering operation of machine for 20Hrs/Day and 300 days per year): E&I consumable spares for two years of trouble free operation.</p>	<p>3. Spare parts (Considering operation of machine for 20Hrs/Day and 300 days per year): E&I Spares for two years of trouble free operation.</p>
7	<p><u>SIT: Sl.no. 9: {Page no. 16 of 72}</u></p> <p><u>Signing and Sealing of Tender:</u></p> <p>Note: The following SIT provision is made with respect the following clause</p> <p>20.4. Number of Copies of Tenders to be submitted: 01 Set</p> <p>20.9: E procurement: Not Applicable</p>	<p><u>Signing and Sealing of Tender:</u></p> <p>Note: The following SIT provision is made with respect the following clause</p> <p>20.4. Clause not applicable for this tender as submission is through online mode only.</p> <p>20.9: E procurement: Bids to be submitted through E-mode only (Online bid submission)</p>
8	<p><u>Section VI: List of Requirement: {Page no. 32 of 72}</u></p> <p>1. Required Delivery Schedule: Successful bidder shall arrange supplies within 6 months from the date of issue of LOI/PO.</p>	<p>1. Required Delivery Schedule: Successful bidder shall arrange supplies within 10 months from the date of issue of LOI/PO.</p>
9	<p><u>Section VII: Technical Specifications: {Page no. 43 of 72}</u></p> <p><u>10. Scope of Work (Complete System): D) Ductwork and Transport Fan:</u></p> <p>1. Ductwork: All ductwork consists of galvanised piping with smooth inner surface, connected with hermetic closing and easy removable sealed pull rings, which are electrically interconnected with conducting seal rings to release static electricity.</p>	<p>1. Ductwork: All ductwork consists of galvanised piping with smooth inner surface, connected with hermetic closing and easy removable sealed pull rings, which are electrically interconnected with conducting seal rings to release static electricity.</p> <p>2. Rubber Gasket / other suitable mechanism may be provided by the bidder but the same shall meet the tender requirement.</p>



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10	<p><u>Section VII: Technical Specifications:</u> <u>{Page no. 44 of 72}</u> <u>10. Scope of Work (Complete System): I</u> <u>Service & Maintenance:</u></p> <p>2. Maintenance Requirement Planning: The bidder shall present as part of his proposal a “Maintenance Requirement Planning” for a period of 5 years from date of start-up including cost estimate on the basis of a destruction volume of 6 tons / day (Preventive Maintenance Schedule, Exhaustive Spare part list which is to be replaced during maintenance period is to be provided)</p>	<p>2. Maintenance Requirement Planning: Successful bidder shall provide clear specifications / manufacturing drawing of wearable parts and bought out items, which needs to be replaced. The parts would be identified in consultation with successful bidder during commissioning.</p>
11	<p><u>Section VI: List of Requirements:</u> <u>{Page 32 of 72}</u></p> <p>2. Required Terms of Delivery: F.O.R Basis, BNPMIPL, Mysuru / F.O.B Nearest Seaport to bidder as per the specification given in Section VII and Price bid should be as per Section XI.</p>	<p>2. Required Terms of Delivery: F.O.R Basis, BNPMIPL, Mysuru as per the specification given in Section VII and Price bid should be as per Section XI.</p>
12	<p><u>Section XI: Price Schedule:</u> <u>{Page No. 57-58 of 72}</u> <u>FORM B-1:</u> <u>FORM B-2:</u> <u>FORM B-3:</u> <u>FORM B-4:</u></p>	<p>FORM B-1: Price schedule shall be as provided in page no. 34 -35 of this corrigendum.</p> <p>FORM B-2: Price schedule shall be as provided in page no. 36 of this corrigendum.</p> <p>FORM B-3: Price schedule shall be as provided in page no. 37 of this corrigendum.</p> <p>FORM B-4: Price schedule shall be as provided in page no. 38 of this corrigendum.</p>



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	CORRIGENDUM No. 1 Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru	

Dear Sir,

Sub: Price bid for Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru

Ref: Tender No. BNPM/NCB/DIS/0413/2020-21 dated 11.08.2020

FORM: B-1

We have received and understood the above tender enquiry and are pleased to submit our price bid as under:

Sch. No.	Description	UOM	Qty	HSN/SAC	Basic Unit price (INR)	P&F, Freight & Transit Insurance & any other charges(if any) per unit (INR)	Unit Price (incl. of P&F, Freight, Transit Insurance & any other charges (if any) excl. of GST) (INR)	GST (%)	GST on Unit Price (INR)	Total Unit Price (incl. of GST) (INR)	Less: Input Credit (GST) (INR)	Effective Unit Price (net of input tax credit) (F.O.R Mysore) (INR)	Effective total price (net of input tax credit) (F.O.R Mysore) (INR)
			A		B	C	D=B+C	E	F=D*E	G=D+F	H	I=G-H	J=A*I
1	Supply of Disintegration system for waste bank note paper along with Commissioning spares at BNPM Plant, Mysuru (As per scope of work & technical specifications provided in section VII)	No.	1										
2	Erection, Installation & Commissioning, Acceptance Test & Onsite training of Disintegration system for waste bank note paper at BNPM Plant, Mysuru (As per scope of work & technical specifications provided in section VII)	No.	1			NA							



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BANK NOTE PAPER MILL INDIA (P.) LIMITED

CORRIGENDUM No. 1

**Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System
for Waste Bank Note Paper at BNPM Plant, Mysuru**

Sheet 35 of 38

3	Essential Spares for trouble free operation for 02 years after completion of warranty period for Disintegration system for waste bank note paper at BNPM Plant, Mysuru (Breakup to be provided in FORM: B-2)	Lump Sum	NA
4	Special Tools & Tackles for Disintegration system for waste bank note paper at BNPM Plant, Mysuru. (Breakup to be provided in FORM: B-4)	Lump Sump	NA
Total effective price for Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru with Essential spares for 02 year after completion of warranty period & Special Tools & Tackles (INR)			

1. Effective price will be calculated based on Total price i.e. (Unit price, P&F, Insurance, Freight & GST amount) less input GST amount. L-1 status shall be decided considering total effective price in FORM: B-1 only.

2. Bidder shall note that no extra cost will be considered over and above the price quoted in the price bid and hence bidder shall ensure that price submitted in the price bid is quoted considering the complete scope of work & technical specifications as defined in the tender document.

3. Bidder shall be eligible to pass on the input credit which has been deducted from Total price to arrive at Effective price.

Seal ()

Name

Signature with Date

Note: i) Price should be quoted exactly as per the format given above; Price bids with conditions / Counter conditions are liable for rejection.
ii) Multiple / Variable rate for single item, would lead to rejection of offer.

(To be signed & stamped and submitted along with Techno-commercial Bid Part -I)



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BANK NOTE PAPER MILL INDIA (P.) LIMITED

CORRIGENDUM No. 1

**Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System
for Waste Bank Note Paper at BNPM Plant, Mysuru**

Sheet 36 of 38

Dear Sir,

Sub: Price bid for Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru

Ref: Tender No. BNPM/NCB/DIS/0413/2020-21 dated 11.08.2020

FORM: B-2

We have received and understood the above tender enquiry and are pleased to submit item wise price for **Essential spares** as under:

Sch No.	(List of Essential Spares) Description	UOM	Qty	HSN/ SAC	Basic Unit price (INR)	P&F, Freight & Transit Insurance & any other charges(if any) per unit (INR)	Unit Price (incl. of P&F, Freight, Transit Insurance & any other charges (if any) excl. of GST) (INR)	GST (%)	GST on Unit Price (INR)	Total Unit Price (incl. of GST) (INR)	Less: Input Credit (GST) (INR)	Effective Unit Price (net of input tax credit) (F.O.R Mysore) (INR)	Effective total price (net of input tax credit) (F.O.R Mysore) (INR)
			A		B	C	D=B+C	E	F=D*E	G=D+F	H	I=G-H	J=A*I
1													
2													
....													
Total effective price for Essential Spares for 02 years after completion of warranty period for Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru (List of spares under this header to be provided in the technical bid)													

1. Bidder shall provide the list of essential spares (item wise) which is offered for 02 years after completion of warranty period for Disintegration System in the above format and the price quoted against column J of total effective price for essential spares in FORM: B-2 shall reflect in FORM: B-1 (Column J of Schedule no. 3) and which shall be part of price evaluation to determine L-1 status.

2. Bidder shall note that L-1 status shall be decided based on total effective price quoted in the FORM: B-1 only. Price in FORM: B-2 is only breakup price of schedule line 3 of FORM: B-1. No separate L-1 status for price quoted in FORM: B-2 only shall be made.

Seal ()

Name

Signature with Date

Note: i) Price should be quoted exactly as per the format given above; Price bids with conditions / Counter conditions are liable for rejection.

ii) Multiple / Variable rate for single item, would lead to rejection of offer. (To be signed & stamped and submitted along with Techno-commercial Bid Part -I)



BNPM/NCB/DIS
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BANK NOTE PAPER MILL INDIA (P.) LIMITED

CORRIGENDUM No. 1

**Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System
for Waste Bank Note Paper at BNPM Plant, Mysuru**

Sheet 37 of 38

Dear Sir,

Sub: Price bid for Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru

Ref: Tender No. BNPM/NCB/DIS/0413/2020-21 dated 11.08.2020

FORM: B-3

We have received and understood the above tender enquiry and are pleased to submit item wise price for **Maintenance/Recommended spares** as under:

Sch No.	(List of Maintenance/ Recommended Spares) Description	UOM	Qty	HSN/ SAC	Basic Unit price (INR)	P&F, Freight & Transit Insurance & any other charges(if any) per unit (INR)	Unit Price (incl. of P&F, Freight, Transit Insurance & any other charges (if any) excl. of GST) (INR)	GST (%)	GST on Unit Price (INR)	Total Unit Price (incl. of GST) (INR)	Less: Input Credit (GST) (INR)	Effective Unit Price (net of input tax credit) (F.O.R Mysore) (INR)	Total Effective price (net of input tax credit) (F.O.R Mysore) (INR)
			A		B	C	D=B+C	E	F=D*E	G=D+F	H	I=G-H	J=A*I
1													
2													
....													
Total effective price for Maintenance / Recommended Spares for 02 years after completion of warranty period for Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru (List of spares under this header to be provided in the technical bid)													

1. Bidder shall provide the list of Maintenance/ Recommended spares (item wise) which is offered for 02 years after completion of warranty period for Disintegration System in the above format. Price quoted in FORM: B-3 shall not be considered for price evaluation to arrive at L-1 bidder.

2. Bidder shall note that L-1 status shall be decided based on total effective price quoted in the FORM: B-1 only. No separate L-1 status for price quoted in FORM: B-3 only shall be made.

Seal ()

Name

Signature with Date

Note: i) Price should be quoted exactly as per the format given above; Price bids with conditions / Counter conditions are liable for rejection.

ii) Multiple / Variable rate for single item, would lead to rejection of offer. (To be signed & stamped and submitted along with Techno-commercial Bid Part -I)



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BANK NOTE PAPER MILL INDIA (P.) LIMITED

CORRIGENDUM No. 1

**Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System
for Waste Bank Note Paper at BNPM Plant, Mysuru**

Sheet **38** of **38**

Dear Sir,

Sub: Price bid for Design, Manufacturing, Supply, Erection, Installation & Commissioning of Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru

Ref: Tender No. BNPM/NCB/DIS/0413/2020-21 dated 11.08.2020

FORM: B-4

We have received and understood the above tender enquiry and are pleased to submit item wise price for **Special Tools & Tackles** as under:

Sch No.	(List of Special Tools & Tackles) Description	UOM	Qty	HSN /SAC	Basic Unit price (INR)	P&F, Freight & Transit Insurance & any other charges(if any) per unit (INR)	Unit Price (incl. of P&F, Freight, Transit Insurance & any other charges (if any) excl. of GST) (INR)	GST (%)	GST on Unit Price (INR)	Total Unit Price (incl. of GST) (INR)	Less: Input Credit (GST) (INR)	Effective Unit Price (net of input tax credit) (F.O.R Mysore) (INR)	Total Effective price (net of input tax credit) (F.O.R Mysore) (INR)
			A		B	C	D=B+C	E	F=D*E	G=D+F	H	I=G-H	J=A*I
1													
2													
....													
Total effective price for Special Tools & Tackles for Disintegration System for Waste Bank Note Paper at BNPM Plant, Mysuru (List of special tools & tackles under this header to be provided in the technical bid)													

1. Bidder shall provide the list of Special Tools & Tackles (item wise) which is offered for Disintegration System in the above format and the price quoted against column J of total effective price for essential spares in FORM: B-4 shall reflect in FORM: B-1 (Column J of Schedule no. 4) and which shall be part of price evaluation to determine L-1 status.

2. Bidder shall note that L-1 status shall be decided based on total effective price quoted in the FORM: B-1 only. Price in FORM: B-4 is only breakup price of schedule line 4 of FORM: B-1. No separate L-1 status for price quoted in FORM: B-4 only shall be made.

Seal ()

Name

Signature with Date

Note: i) Price should be quoted exactly as per the format given above; Price bids with conditions / Counter conditions are liable for rejection.

ii) Multiple / Variable rate for single item, would lead to rejection of offer. (To be signed & stamped and submitted along with Techno-commercial Bid Part -I)

