National Institute of Food Technology Entrepreneurship and Management (NIFTEM)
An Institute of National Importance (INI) under Ministry of Food Processing Industries, GOI
Plot No 97, Sector-56, HSIIDC Industrial Estate, Kundli-131028, District-Sonepat (Haryana)
Phone No. 0130-2281057 Website: www.niftem.ac.in

Ref. No. PD-17012/2/2025-E1/429/02 **Dated: 28.04.2026**

EXPRESSION OF INTEREST (EOI)

SUBJECT: EXPRESSION OF INTEREST FOR ENGAGEMENT OF FIRM FOR SETTING UP TURMERIC PROCESSING PLANT AT PILOT PLANT OF NIFTEM, KUNDLI SONEPAT, HARYANA.

National Institute of Food technology entrepreneurship and management (NIFTEM-K) was conceptualized by the Government of India on persistent demand of the food industry to have an apex organization as a '**One-Stop Solution Provider**' for various problems of the food sector. The Institute is an autonomous body under the Ministry of Food Processing Industries, Government of India and recently it has been declared as **National Institute of Importance (INI)** by the Govt. of India. The Institute is spreading over of 100 acres at a prime location in close proximity of North Delhi, Kundli, Sonipat at Delhi-Haryana border. The Institute aims to become an International Centre of Excellence which integrates technological, managerial and behavioral aspects of the Indian Food Processing Industry with a clear objective of catapulting the sector to the Numero Uno position in the world. NIFTEM-K strives to cater to the needs of various stakeholders such as entrepreneurs, industries, exporters, policy makers, government and other existing institutions. Primarily, it aims to produce world-class business leaders, develop competitive processes and technologies recognized globally, and initiate best practices in the area of food technology, entrepreneurship and management. The Institute has also been declared as National Institute of Importance by the Govt. of India.

For and on behalf of NIFTEM online Tenders are invited on CPPP e-Procurement website https://eprocure.gov.in/eprocure/app from eligible bidders.

Critical Date Sheet

S.N.	Particulars	Important Dates	Time	EMD	Processing Fees
1.	Issue of Tender documents	28.04.2026	05.00 PM	₹ 2,00,000/-	₹ 500 + GST 18% = ₹ 590/-
2.	Pre-bid Meeting	05.05.2028	11.00 AM		
3.	Bid submission start date and time	08.05.2026	04.00 PM		
4.	Last date & time for submission of tender	19.05.2026	02.00 PM		
5.	Date & time of opening of Technical Bids	20.05.2026	03.00 PM		
6.	Date & time of opening of Financial Bids	Will be intimated separately to the successful bidders			

The Pre-bid meeting will be held at Purchase Division, NIFTEM Campus to clarify doubts (if any) as per above schedule. Corrigendum/ addendum, if any, to these would only appear on https://eprocure.gov.in/eprocure/app as well as www.niftem.ac.in website.

1) ABOUT:

All the bidders are free to design the process flow sheet and plant layout so as to meet out the Product specifications, space available and Hygiene requirement of this Tender. The production process and plant layout should meet out the relevant Food safety standards of FSSAI, HACCP, GMP, ISO and applicable law /

permits. Bidders are also free to select the best suitable machines for the production process however, they must ensure that the process offered by them should minimally follow the brief process described below.

2) SCOPE OF WORK:

The turmeric processing plant is divided into the following section:

Turmeric processing Plant (1 TPD Capacity for 8 hrs operation)

1. **Pre-Processing Section (Feeding and cleaning section)**: Inspection conveyer, Vibro feeder, Z- bucket elevator, Destoner, grader, magnetic separator for cleaning raw spices, Aspiration bag filter with lugs, s, manual kgv below bag filter, centifugal Fan for aspiration bag filter, Accessories for bag filter with motors for centrifugal fans, Proper Ducting for centrifugal fan
2. **Grinding Section:** Spice grinder Hammer +ACM suitable for various turmeric
3. **Post-Processing Section:** Sifter/grader for particle size classification, Ribbon blender or Paddle mixer for homogenous mixing of spice blends.
4. **Packaging Section:** Semi-automatic pouch filling and sealing machine for various pack sizes.
5. **Utilities & Support:** Dedicated power connection, water supply, compressed air, basic quality control instruments (load cell, sieve shaker).

The bidder will share the design consideration, design, process flow, complete layout drawings, live and dead loads, electrical loads or anything relevant for the plant operation. along with the bid. The design consideration, design, process flow, complete layout drawings, live and dead loads, electrical loads or anything relevant for the plant operation will be finalized after the due approval of the Competent Authority and Pilot plant committee.

The bidder must ensure that the Material of Construction (MOC) for powdered turmeric must be SS 304 and Non-contact Material of construction can be Mild steel

1. Pre-Processing Section (Feeding and cleaning section):

This raw turmeric (finger/bulb) shall be then cleaned in the Cleaning section of this plant so as to remove all types of foreign impurities before further processing. Material of construction of all the machines, storage bins and spouting (interconnecting pipes and hoppers, etc) used in the cleaning section shall be MS, CI, etc. All sheets, plates, structural frames, etc. shall be of BIS standard and where BIS standard is not available should be of suitable thickness for a reasonable life and trouble-free performance of the machines. All the steel, bearings, V belts, chains, couplings, sprockets, lubricants, motors, geared motors, gear boxes, etc. should be of reputed make and as per suitable BIS standards. All the machines should preferably be painted with the Epoxy Paint. Before painting the entire metal, surface should be properly cleaned (de-rusting, de-greasing, de-oiling, etc.) and coated with suitable Primer and Surfacer.

The Minimum machines and MOC for the Pre-Processing Section (Feeding and cleaning section) are

S.N.	ITEM DESCRIPTION	MOC	Minimum HP	Minimum Qty
FEEDING & CLEANING SECTION				
1	INSPECTION CONVEYER	MS	0.5	1
2	VIBRO FEEDER	MS	0.5	1

3	Z BUCKET ELEVATOR	MS	2	1
4	GRADER	MS	1	1
5	ASPIRATION BAG FILTER WITH LUGS, WITHOUT STRUCTURE	MS		1
6	ACCESSORIES FOR BAG FILTER	MS	0.5	1
7	MANUAL KGV BELOW BF	MS		1
8	C. FAN FOR ASPIRATION BAG FILTER	MS		1
9	MOTOR FOR C. FAN	STD	15	1
10	DUCTING C DAMPERS FOR CLEANING SECTION	MS		1

2. Grinding Section:

Grinders/Pulverizers: Industrial-grade pin mills or hammer mills are typically used. They must be constructed of food-grade stainless steel (SS 304 or SS 316) to prevent contamination and corrosion.

Capacity Integration: The grinding capacity must match the overall plant throughput. If the plant processes 1 tons per day, the grinders should handle at least that much, allowing for downtime and maintenance.

Cooling Systems: Turmeric processing generates heat, which can degrade the volatile oils (and thus the quality and color). The grinding equipment should ideally incorporate a water-cooling jacket or forced air-cooling mechanism to maintain low grinding temperatures.

Grading/Sieving: Integrated continuous sieving machines (like vibro-separators) are required immediately post-grinding to ensure the powder meets the desired mesh size (99% passing 300 Micron0

Magnetic Separators: Inline magnetic separators must be installed before the grinding stage to catch any stray ferrous materials and protect the milling machinery from damage. Min power 10000 Guass.

All sheets, plates, structural frames, etc. are of suitable BIS standard and should be of suitable thickness for a reasonable life and trouble-free performance of the machines. All the steel, bearings, V belts, chains, couplings, sprockets, lubricants, motors, geared motors, gear boxes, etc. should be of reputed make and as per suitable BIS standards. All the machines should preferably be painted with the Epoxy Paint. Before painting the entire metal surface should be properly cleaned (de-rusting, de-greasing, de-oiling, etc.) and coated with suitable Primer and Surfacer.

The Minimum machines and MOC for the grinding Section are:

S.N.	GRINDING SECTION	MOC	Minimum HP	Minimum Qty
	STAGE 1:			
1	MAGNET AT MILL INLET	SS304CP		1
2	HAMMER MILL WITH BASE FRAME AND STAND LEGS	CI/MS		1
3	MOTOR FOR HAMMER MILL	STD	40	1
4	DISCHARGE HOPPER BELOW THE MILL	SS304CP		1
5	**STAGE 2:**			
6	ACM MILL FEED HOPPER	SS304CP		1

7	ACM 40 MILL	SS304CP		1
8	MAIN MOTOR	STD	30	1
9	**CLASSIFIER MOTOR**	**STD**	**7.5**	1

Control Panels: The grinding equipment should be operated via a centralized control panel located away from the immediate dust zone (ideally in a separate control room or a segregated area).

Emergency Stops: Prominently placed, highly visible emergency stop buttons must be available on all machinery and at multiple points around the grinding room.

Monitoring Systems: Installation of temperature sensors on the grinding mills to alert operators if the machinery exceeds safe operating temperatures (to prevent overheating and potential fire hazards).

	CONTROL PANEL (GRINDING SECTION)	
1	MCC CUM PLC BASED CONTROL PANEL WITH HMI	CS

3. Post-Processing Section:

Sifter/grader for particle size classification. Once turmeric has been ground into a fine powder, it is highly susceptible to contamination and moisture, and poses a significant risk for dust explosions. The post-processing section typically covers cooling, storage, packing, and dispatch.

Material Transport and Handling Systems: As the fine powder exits the milling section, it must be transported to the next stages safely and hygienically.

Closed Conveyance: Transport of the ground powder must be handled via enclosed pneumatic conveying systems or totally enclosed screw conveyors to prevent the powder from becoming airborne.

Airlock Valves: Rotary airlock valves must be installed at the discharge points of the grinders and the feed points of the next processing stage to prevent backfire/blowback and to control powder flow.

Surface Materials: All internal contact surfaces must be constructed of food-grade stainless steel (e.g., SS 304 or 316) to prevent contamination and corrosion from the turmeric's essential oils.

Cooling and Conditioning: Freshly ground turmeric powder is often hot due to the friction of milling. It must be cooled before packing to retain its color (curcumin content) and essential oils, and to prevent moisture condensation. Temporary holding silos equipped with dry, filtered air circulation can be used to let the product stabilize before packing.

S.N.	DESCRIPTION	MOC	MINIMUM HP	MINIMUM QTY
1	DUCTING FROM MILL TO CYCLONE	SS304CP		1
2	SIGHT GLASS	SS304CP		1
3	CYCLONE WITH LUGS, WITH STRUCTURE	SS304CP		1
4	VIBRATOR FOR CYCLONE		0.5	1
5	RAL BELOW CYCLONE	SS304CP	1	1
6	VIBRO SIFTER	SS304CP	3	1

7	DUCTING FROM CYCLONE TO BAG FILTER	MS		1
8	DUCTING FROM BAG FILTER TO C. FAN C EXHAUST	MS		1
9	PROCESS BAG FILTER	MS		1
10	ACCESSORIES FOR BAG FILTER	MS	0.5	1
11	C. FAN FOR PROCESS BF	MS		1
12	MOTOR FOR C. FAN	STD	30	1
13	RAL BELOW BF	MS	1	1
14	INTERCONNECTING DUCTING C DAMPERS	SS304/MS		1

FOR PRODUCT COLLECTION TO ENSURE

- TEFLON COATED ANTISTATIC FILTER BAGS,
- TOP REMOVAL CAGES,
- SOLENOID VALVES
- DIFFERENTIAL PRESSURE GAUGE
- SEQUENTIAL TIMER MOUNTED INSIDE CONTROL PANEL
- ELECTROMAGNETIC HAMMER
- PLENUM AND AIR HEADER WILL BE IN MS
- BAG FILTER HOPPER, HOUSING & PRODUCT CONTACT PARTS
- SUITABLE DISCHARGE ROTARY AIR LOCK VALVE

CENTRIFUGAL (INDUCED DRAFT) FAN IN MS CONSTRUCTION (DIRECT DRIVEN): FOR PNEUMATIC CONVEYING OF PRODUCT, COMPLETE WITH MOTOR AND ACCESSORIES.

1. ANTI-VIBRATION MOUNTING PADS
2. BELLOW AT FAN INLET & OUTLET
3. FAN OUTLET SILENCER

Bulk Storage Before packaging, the turmeric powder needs to be stored safely.

- Storage Silos/Bins: These must be completely enclosed, moisture-proof, and fitted with level sensors to prevent overfilling.

Sr. No	Description	QTY
1	STORAGE BIN (2 T CAPACITY) AND PNEUMATIC CONVEYING FROM VIBRO-SIFTER TO STORAGE BIN	1

4. Packaging Section:

Automatic pouch filling and sealing machine for various pack sizes.The packaging section must handle the fine powder cleanly and accurately. Finished Product Packing area should ideally be away from the Processing area. Similarly Finished product storage area should preferably be totally isolated from the Processing area.

Product stored in the storage bins should finally be screened before packing into the pouches of desired weight. Automatic FFS machines with attached TTP printer shall be used for the packing of the product. These pouches shall then be packed manually in the HDPE bags.

- Automated Packing Machines: Form-fill-seal (FFS) machines or automated auger fillers should be utilized for retail or bulk bagging to minimize manual handling and dust generation.

- Weighing Accuracy: Integration of automated check-weighers to ensure compliance with legal metrology standards.

- Metal Detection: An industrial metal detector and/or X-ray scanner must be the final checkpoint on the packaging conveyor lines to ensure no foreign metallic bodies are in the finished product before boxing.

S.N.	STORAGE BIN	QTY & SIZE
1	VIBRO BIN ACTIVATOR FOR THE NON-INTERRUPTED DISCHARGE OF PRODUCT FROM STORAGE BIN.	1 Nos suitable
2.	METERING CONVEYOR/ FEEDER FOR THE CONTROLLED DISCHARGE OF PRODUCT FROM THE BINS.	1 Nos suitable
3.	MAGNETS FOR THE SEPARATION OF FERROUS IMPURITIES.	1 Nos suitable
4.	TUBE CONVEYOR FOR THE CONVEYING FINISHED PRODUCT	1 Nos suitable
5	FORM FILL SEAL MACHINE RANGIND (50G TO 500G)	1 Nos

5. Utilities & Support:

All the utilities required for running the plant to be provided by the bidder like compressors, compressed air line, pneumatic actuators etc.

6. Steel structure (Platform) and Storage Bins:

Complete machinery for this plant shall be installed on G+1 Floor i.e Ground Floor +1 Mezzanine floor. Machinery placement on the ground floor and mezzanine floor shall be planned in such manner so as to have sufficient working space all around the machines and to prevent cross contamination of material and weevils etc from one section to the other sections of the plant.

This steel structure/ platform for making this mezzanine floor should be of standalone

type and should not connected/ attached to any nearby walls.This steel structure/ platform should be of suitable size and strength so as to withstand the load and vibration of all the machines installed on it. Supporting legs (columns) and foundation of this steel platform should be made considering the load bearing strength of the soil.

This mezzanine flour should be at suitable height so as to have sufficient working height

under it and facilitate the spouting work with sufficient slope angle.

Wherever required (like on elevators top, etc.) maintenance platform of suitable size and

strength should be provided with suitable ladder, etc. Similarly, all the storage bins should be of suitable size and strength so as to withstand the total dead and live load of the material. All the storage bins should be covered / closed from the top and have the provision to go inside the bins for the cleaning purposes. Supporting legs (columns) and foundation of these bins should be made considering the load bearing strength of the soil.

Staircase of suitable size, strength and quantity shall be provided to access the Mezzanine floor and top of the storage bins. For safety purposes, railing of suitable size and strength shall be provided all around the platform, top of bins, stairs, maintenance platform for elevators, monkey ladders, etc. All I beams, Channels, Angles, plates, sheets, used for the manufacturing of steel structure and storage bins shall be of suitable BIS standard and of suitable thickness/strength for a reasonable life of the structure and trouble free performance of the machines.

Modular (preformed) steel structure and storage Bins etc. shall preferably be supplied to the site for the quick installation work but if required it can be made at the site as well by the bidder at its own cost. Bidder has to make his own arrangements for any such fabrication and installation work.

Note:

- All the storage tanks (MS or SS) shall be made from at least 3mm thick sheets.
- All the gravity pipe (preferably ERW pipes) used for the grain handling shall be
- atleast 3mm thick.
- All the gravity pipes used for the refraction handling shall be fabricated from atleast
- 1.5mm thick MS sheets.
- All the gravity pipes used for the flour handling shall be fabricated from atleast 1.5mm thick SS 202 sheets.
- All the Aspiration ducting shall be fabricated from atleast 22 swg thick GI sheets or
- 18 swg MS sheets.
- Mezzanine flour of the steel structure shall be made from atleast 5mm thick
- Chequered plates.

7. Electrical Control and Automation

Complete plant shall be controlled from a centralised Control panel room. Provision for this panel room shall be made in the plant area itself for the ease of operation and maintenance. All the Motor control centre (MCC panels) and PLC panels shall be preferably placed in this panel room. All the panels shall be modular, non-compartmentalized and have front access door. It should be made from suitable thick CRC sheets and then Powdered coasted after suitable surface treatment. All MCC shall have a main incomer, multifunction meter, insulated aluminum bus bar, switchgears of suitable rating & breaking capacity, illuminated push buttons, indicators, VFD etc.

All the motors (except vibro motors) shall be of IE 2 Efficiency, CE marked, as per suitable IS standard

All the selection of switchgears shall be as per "TYPE 2 Coordination Chart" (According to IEC 947-4-1)

Each DOL Starter/ VFD starter shall mainly consist of MPCB, Contactor, illuminated start/stop Push buttons, etc.

Each Star Delta shall mainly consist of MPCB, Contactor, Timer, digital ammeter, illuminated push buttons, etc.

All PLC panel shall have suitable isolation for safety, all outputs shall be through interposing relays, shall be based on 24v DC in the field.

PLC I/Os shall be designed with atleast 5% spare.

Plant operation (in Auto mode and semi auto mode) shall be controlled through the mimic/push buttons made on the HMI/ display screen, whereas in manual mode it shall be through the push buttons provided on the Panel door.

The make of the components preferably be:

S.N.	DESCRIPTION	MAKE
1.	VIBRO SIEVE	ISI CERTIFIED
2.	BAG FILTER	ISI CERTIFIED
3.	ROTARY AIRLOCK VALVE	ISI CERTIFIED
4.	KNIFE GATE VALVE	FLUIDTECQ / AIRA / EQ.
5.	BUTTERFLY VALVE	FLUIDTECQ / AIRA / EQ.
6.	LOAD CELL	RIECO APPROVED
7.	SOLENOID VALVES	ASCO / ROTEX / AIRA
8.	PRESSURE SWITCH C VACUUM SWITCH	WIKA / EQ.
9.	DPIS	WIKA / EQ.
10.	SEQUENTIAL TIMER	ISI CERTIFIED
11.	PRESSURE GAUGE C VACUUM GAUGE	ISI CERTIFIED
12.	BREATHER VALVE	ISI CERTIFIED
13.	LEVEL SWITCH	SAPCON / LEVCON / EQ.
14.	MOTOR	HINDUSTAN / CGL / BBL / EQ.
15.	GEARBOX	BONFIGLIOLI / PBL / EQ.
16.	PLC PANEL	SIEMENS / / HONEYWELL / SCHNEIDER / EQ.
17.	VFD	DANFOSS / YASKAWA / SIEMENS / EQ.
18.	SWITCH GEAR	LCK / SIEMENS / SCHNIDER / EQ.
19.	PANEL ENCLOSURE	ISI CERTIFIED

Design Considerations

Turmeric Cleaning s Grinding line		
1	**Material to be Handled**	Turmeric;
2	**Feed Particle size**	Turmeric: Whole (50% Fingers C 50% Bulbs; Double Polish)
3	**Final Product size**	Turmeric: 98% (-) 300 Micron
4	**Bulk Density Feed (kg/m^3)**	Turmeric: 500-600 kg/m^3
5	**Capacity**	150 kg/hr
6	**RM Moisture Content (%)**	<10%
7	**Operating Temperature (°C)**	40 deg C
8	**Volatile Oil content**	Max 0.5 to 0.7 %
G	**MOC**	Contact Parts: SS304; Non-Contact Parts: MS
10	**Finish**	All SS parts shall have 180 grit finish Internally and Externally. (Except ducting, ducting will be provided with external finish only)
11	**Paint**	Epoxy painted with priming shade RAL 9003 off white

12	**Power supply**	415V ± 10%, 3 ph, 50Hz ± 5%,
13	**Control Voltage**	24V DC.
14	**Electricals s Instruments**	Safe Area (Non-Flameproof); IP55
15	**Drive Motor**	IE2 Efficiency Type; IP55; CGL Make
16	**Gear Motor**	IE2 Efficiency Type; IP55
17	**Control Panel**	IP42; Top Cable Entry
18	**Noise level**	110 dB at 1 mtr from source

3) ELIGIBILITY CRITERIA:

1. The bidder should have experience of Designing/ Drawing/ Setting up of Plants/ Units during last 03 years. (Attach work-orders for last 03 years) Minimum 03 work-order of Govt./MNC/Private Sector) of minimum value ₹ 1.00 Cr. each.

2. GST/PAN certificate.

3. Bidder should have Annual Average Turnover of ₹ 50.00 Cr. during last 03 financial years. (2022-23, 2023-24 & 2024-25).

4. TDS certificates of relevant project and balance sheet of last 03 financial years (2022-23, 2023-24 & 2024-25).

Caution: All the bidders are specifically informed that while submitting tender, must ensure that signed documents as indicated in the tender documents are mandatory, otherwise tender will be similarly rejected and no second opportunity will be given to submit shortfall documents. In case of less bids, Institute has liberty to invite shortfall documents.

The agencies (registered with MSME /NSIC registration) willing to claim any relaxation/exemption in tender fee, Turnover and Experience, etc, must submit claim for the same alongwith support document for consideration, otherwise, the same will not be extended. The relaxation/exemption will only be given, if you are registered for **applied category** of item(s)/services, etc. Upload proper Udyam Certificate from both sides with specified validity and relevant service category. The bidders who are claiming relaxation/exemption are required to submit undertaking as per **Annexure-IV**.

4) BIDDING PROCEDURE:

Bids shall be submitted online only at CPPP website: https://eprocure.gov.in/eprocure/app**.**

Tenderer/Contractor is advised to follow the instructions "Instructions to Bidder for Online Bid Submission".

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

Bidding Application must be accompanied by the following:

Technical Bid (Attached signed and stamped copy of each document)

The following documents are to be furnished by the bidder along with Technical Bid as per the tender document (Scan Copies):

i. **Proof for payment of EMD (**with permanent address of the Firm/Agency/Person).
ii. **EMD of ₹ 2,00,000/-** in the form of Demand Drafts, drawn separately in favour of NIFTEM payable at Delhi from SBI are to be enclosed with the Technical Bid, failing which the tender will be summarily rejected. The Application Processing Fee is not refundable.
iii. Chartered Accountant's signed statement/ Copies of Audited Profit & Loss Account/ Income Tax Returns for Annual Turnover of the F.Y. 2022-23, 2023-24 & 2024-25.
iv. Incorporation details.
v. PAN and GST details.
vi. Bank account details.
vii. An Authorization Letter from bidder in favour of person signing tender documents.
viii. The Annexure No-II, an undertaking to declare that Bidder has not been black listed in India and abroad must be submitted on Non-judicial Stamp Paper of ₹ 100.
ix. Complete Tender documents including Annexure (I, II), duly signed and stamped on each page.

Financial Bid

1. Price bid format in the form of BOQ_XXXXX.xls.

Opening of tenders (Technical bids only) will take place as mentioned in critical date sheet online at https://eprocure.gov.in/eprocure/app in the "**Purchase Division, National Institute of Food Technology Entrepreneurship and Management, Plot No.-97, Sector-56, HSIIDC Industrial Estate, Kundli-131008, District-Sonepat (Haryana)"** in the presence of the representatives of the Firms/Tenderers, who may wish to be present at that time. At the time of tender opening Firms/Tenderers have to come with bid acknowledgement slip, that is generated by the system after successfully bid submission. Firms/Tenderers can view their live bid opening at their remote end also. No separate intimation will be sent to the firms/Tenderers in this regard.

The EOI not submitted in the prescribed formats or incomplete in detail is liable for rejection. NIFTEM is not responsible for non-receipt of tender within the specified date and time due to any reasons, including postal holidays or delays.

5) EVALUATION PROCEDURE:

Technical bids will be evaluated by a Committee on the basis of documents submitted by the bidder. The financial bid will only be considered when bidder will be found technical eligible and other terms and conditions as laid down in the tender.

6) AWARD OF WORK:

The work will be awarded to the overall L-1 bidder.

7) COMPLETION PERIOD:

The work completion timeline will be 07 months from the 7th day of issuance of work order.

8) PAYMENT TERMS:

The payment will be made as per the following terms on production of the requisite documents:

Milestone	Amount to be paid, INR	% of Total Payment
1	Upon approval of drawings/layout/schematic diagrams/static & dynamic load/electrical load/structure drawing/civil work & foundation work, if any, and related documentations of the plant	**20%**
2	Material Supply: Upon supply of equipments and other items as per scope of work.	**30%**
3	After successful installation & commissioning of Pilot Plant which includes installation of equipments. This will be released after satisfactory handing over the facility.	**40%**
4	After one month of handing over the facility	**10%**

Note: Payments will be made on a pro-rata basis based on the percentage of work completed under each milestone.

An advance upto 30% of total order value can be considered for mobilizing the materials on request of the agency subject to submission of Bank Guarantee of same amount.

9) PERFORMANCE SECURITY:

The **successful bidder has to submit Performance Security @5% of total order value in form of DD/Bank Guarantee/FDR which will be kept till the completion of contract period.** Same will be refunded without any interest on successful completion of defect liability period. The performance security should also remain valid for a period of sixty days beyond the date of completion of all contract obligation of the supply including guarantee obligation.

10) GENERAL TERM & CONDITIONS:

1. The bidders are advised to visit the NIFTEM Campus before participating in the said tender to check the location physically.
2. In case, after Pre-bid meeting (wherever applicable) any modification(s)/addition(s)/ deletion(s) or any alternation in the requirement(s)/ specification(s) etc is required, the same will be appended on CPP Portal, therefore, all the bidders are advised to visit CPP before filling/submitted their tenders. No separate advertisement/information will be published in this regard in the Newspapers.
3. Acceptance of tender will be intimated to the successful tenderer through a letter of intent (LOI) duly signed by the authorized signatory of the institution.
4. Performance Security of successful bidder may be forfeited, if the bidder withdraws or amends or derogates from the tender in any respect.
5. The EMD of the unsuccessful bidder will be returned to them after completion of Technical Evaluation.
6. The EMD of successful bidder will be released after submission of Performance Security.
7. In any case, if tenders are not opened due to any reason, the Tender documents, processing Fee and EMD shall be returned to all bidders.
8. **This tender is valid upto 180 days from the issue of tender notification.**
9. The rates quoted by the bidder shall be complete for supply and placing of the finished items as per the specification(s) and shall be inclusive of all applicable tax, duty(ies) loading, unloading, packing,

transportation from works to NIFTEM, installation etc and nothing extra/additional shall be payable on these rates.

10. **Conditional Tender will not be accepted.**
11. Tender without EMD will be summarily rejected.
12. The Institute can ask any clarifications & documents at any stage of the procurement depending upon the circumstances to ascertain quality of material used in manufacturing of items. All wood should be fully seasoned with no defect.
13. All the documents attached with the technical bid should be properly tagged, numbered, signed and stamped by the competent authority.
14. The EMD/performance security shall be forfeited in case:
    1. If the Bidder withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
    2. If the bidder having been notified of the acceptance of his tender by the Buyer during the period of its validity,
    3. If the Bidder fails to furnish the Performance Security for the due performance of the contract.
    4. If the Bidder fails to sign the agreement.
    5. Fails or refuse to execute the contract.
    6. Fails to respond to queries by the NIFTEM.

11) DISPUTE RESOLUTION:

In case of any dispute between party of first party (NIFTEM) and the part of other party Agency) arising out of or in relation to the agreement, the dispute shall be referred to Director, NIFTEM for amicable settlement. Despite of arbitration meeting, if any party still aggrieved, can file case under the Jurisdiction of Sonepat/Chandigarh.

12) WITHHOLDING OF PAYMENT: This clause authorizes Buyer to withhold payment till end when seller fails in its contractual obligation. The standard text of this clause is as under:

"In the event of the agency's failure to submit the Bonds, Guarantees and Documents, supply the deliverables etc as specified in the Contract, the Buyer may at his discretion, withhold any payment until the completion of the Contract"

13) MODIFICATION AND WITHDRAWAL OF BIDS:

Bidder can modify his bid any number of times before bid submission closing date and time. Bidder can also withdraw his bid before bid submission closing date and time. Withdrawn is allowed only once in a tender. If a bidder withdraws his bid, he cannot participate in the particular tender again.

Instructions for Online Bid Submission:

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.

REGISTRATION

1) 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.
2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3) 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.
4) 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 / nCode / eMudhra etc.), with their profile.
5) 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.
6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

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 / e-mail 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.

PREPARATION OF BIDS

1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
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.

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.
7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8) Upon the successful and timely submission of bids (ie 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.
9) 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.

ASSISTANCE TO BIDDERS

1) 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.

2) 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.

14) CLARIFICATION ON RFP DOCUMENTS: Bidder requiring any clarification to this EOI shall notify to Buyer in writing who will respond (in writing) to the clarifications sought not later than 14 days prior to the date of opening of the RFP. The address and contact number for seeking clarification regarding this tender are given below: -

Queries to be addressed to:

Purchase related queries:
Purchase Section
NIFTEM, Kundli, Sonepat (Haryana) – 131028
Phone No. - 0130-2281057
E-mail ID - purchase.niftem@gmail.com

Technical queries:
Dr. Vinkel Arora, Professor
NIFTEM, Kundli, Sonepat (Haryana) – 131028
Phone No. - 0130-2281258
E-mail ID – vinkelarora17@gmail.com

Registrar, NIFTEM

Annexure-I

Tender Form (Technical Bid)

(To be submitted by the tenderer on their letter head)

S.N.	Particulars	Details (must be filled by bidder)	Page No.
1	Name of Firm with address, mobile/phone no. & e-mail.		
2	EOI Fee Details (Amount DD no., Bank Name, Amount date)		
3	EMD Details (Amount DD no., Bank Name, Amount date)		
4	Year of Incorporation of the agency (copy to be enclosed) along with the latest registered address of corporate office.		
5	The bidder should have experience of Designing/ Drawing/ Setting up of Plants/ Units during last 03 years. (Attach work-orders for last 03 years) Minimum 03 work-order of Govt./ MNC/ Private Sector) of minimum value ₹ 1.00 Cr. each.		
6	Bidder should have Annual Average Turnover of ₹ 50.00 Cr. during last 03 financial years. (2022-23, 2023-24 & 2024-25).		
7	PAN & GST details		
8	TDS certificates of relevant project and balance sheet of last 03 financial years (2022-23, 2023-24 & 2024- 25)		
9	An Authorization Letter from bidder in favour of person signing tender documents		
10	The Annexure No.-IV, an undertaking to declare that Bidder has not been black listed in India and abroad must be submitted on Non-judicial Stamp Paper of Rs. 100.		
11	Annexure-IV, if required.		

The above documents must be enclosed with proper pagination.

Signature : .....
Name : .....
Address : .....
Mobile : .....
Seal of firm : .....

Date:

Annexure-II

FINANCIAL BID FORMAT

S.N.	Description	Amount
01	**SETTING UP TURMERIC PROCESSING PLANT OF ONE TON PER DAY CAPACITY FOR 8 HRS OPERATION (Scope of work as per RFP document)**	
02	**GST as applicable (kindly also indicate GST% while quote)**	
	Total	

Date: **Signature of Bidder with Stamp**

Annexure- III

UNDERTAKING

To,

Registrar,
National Institute of Food Technology Entrepreneurship and Management
Plot No. 97, Sector-56, HSIIDC Industrial Estate,
Kundli-131008,
District-Sonepat (Haryana)

Sir,

1 I/we the undersigned, certify that I/we have gone through the terms and conditions mentioned in the EOI documents and undertake to comply with them.

2. It is further certified that our firm has not been blacklisted by any agency in India or abroad.

Dated: **SIGNATURE OF THE BIDDER WITH SEAL**

NAME OF THE BIDDER WITH ADDRESS

NOTE: Certificate as per above must be submitted only on Non-Judicial Stamp Paper of ₹ 100/- (Rupees One Hundred Only).

Annexure-IV

Dated:

Undertaking to Claim Exemption/Relaxation under MSME/NSIC/Start up

(to be submitted on Company Letter head with stamp)

I am (.....) is Owner/Director of M/s.....registered with MSME/NSIC/Start UpUnit under.....category.

1) Firm Name :
2) Udyam No. :
3) NSIC No. :
4) Year of Registration :
5) Category of Registration (Manufacture/Dealer/Supplier) :
6) Turnover :

As per the benefits extended to MSEs registered with NSIC under single point registration scheme, we are entitled for:

1. Exemption in Tender Fee : ☐
2. Exemption in EMD : ☐
3. Relaxation in Turnover : ☐ How much Relaxation required (please specify)
4. Relaxation in Experience : ☐ How much Relaxation required (please specify)

(Kindly tick the box(es) for the same)

We are enclosing herewith relevant certificate and documents in support of our claim of exemption/relaxation of the same.

Signature of Authorized signatory : .....
Name : .....
Designation : .....
Stamp : .....

(**Note:** Undertaking must be submitted on company's letterhead duly signed and stamped)