



**6THE HARYANA STATE COOPERATIVE SUPPLY  
AND MARKETING FEDERATION LIMITED**  
CORPORATE OFFICE, SECTOR 5, PANCHKULA HARYANA (INDIA)  
TEL: 2590520-24 E.Mail: addlgmp@gmail.com  
Web-site: [www.hafed.gov.in](http://www.hafed.gov.in)



### **e-TENDER NOTICE**

#### **TENDER FOR DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF**

1. **TURMERIC OIL EXTRACTION PLANT OF 3 MT TURMERIC PROCESSING CAPACITY PER DAY. THE TURMERIC OIL PACKAGING LINE PROPOSED FOR SMALL BOTTLES. TURMERIC POWDER PROCESSING PLANT OF 2.4 MT PER DAY BASED ON RAW MATERIAL INPUT AFTER OIL EXTRACTION.**
2. **COLD STORE OF 100 MT CAPACITY**
3. **2 MT MULTI SPICES PROCESSING PLANT**

The tender document containing details for Supply, installation & commissioning of above- mentioned Plants, quantity, specifications etc. and other terms & conditions are available at Govt. of Haryana online e-tendering portal <https://etenders.hry.nic.in> and Hafed Website [www.hafed.gov.in](http://www.hafed.gov.in) . For this purpose, HAFED invites e-tenders on the above-mentioned e-tendering portal. The tender document fee is Rs.1,000/- (non-refundable) and e-service fee of Rs.1,000/- (non-refundable). The online tender document must be accompanied with the **EMD of Rs. 10,00,000/-**.

The bidder(s) can submit their bid(s) online on the above mentioned e-tendering portal of Govt. as per dates mentioned under **Key Dates** in the Tender Document. The pre bid meeting and Technical bids on the above e-tendering portal will be held/opened at Hafed Corporate Office, Sector-5, Panchkula (Haryana) in the presence of the bidder(s), who wish to be present. The negotiation will be held as per the guidelines of Govt. of Haryana. HAFED reserves the right to accept/reject any/all the tenders without assigning any reason whatsoever.

**Managing Director,  
Hafed, Panchkula.**

## Detailed Notice Inviting Short Term e-Tenders

1. **The payment for Tender Document Fee and Processing Fee shall be made by the bidders online directly through Debit Cards & Internet Banking Accounts and the payment for EMD can be made online directly through RTGS/NEFT or OTC Please refer to 'Online Payment Guideline' available at the Single eProcurement portal of GoH (Govt. of Haryana) and also mentioned under the Tender Document.**
2. Intending bidders will be mandatorily required to online sign-up (create user account) on the website <https://etenders.hry.nic.in> to be eligible to participate in the eTender. **He/ She will be required to make online payment of required EMD in due course of time. The intended parties fail to pay EMD fee under the stipulated time frame shall not be allowed to submit his/her bids for the respective event/Tenders.**
3. The interested bidders must remit the funds at least T+1 working day (Transaction + One Day) in advance as given under Key Dates **and make payment via RTGS/NEFT or OTC to the beneficiary account number specified under the online generated challan. The intended bidder/agency thereafter will be able to successfully verify their payment online, and submit their bids on or before the expiry date & time of the respective events/Tenders at https://etenders.hry.nic.in**
4. The interested bidders shall have to pay mandatorily Processing Fee (under document fee – Nonrefundable) of Rs.1,000/- (Rupee One Thousand Only) online by using the service of secure electronic gateway. The secure electronic payments gateway is an online interface between bidders & online payment authorization networks.

The Payment for document fee (Rs.1,000/-) and Processing Fee (Rs.1,000/-) can be made by eligible bidders online directly through Debit Cards & Internet Banking.

The interested bidders must remit the funds at least T+1 working day (Transaction + One Day) in advance before the expiry date & time of the respective events. And make payment via RTGS/NEFT to the beneficiary account number specified under the online generated challan.

The Bidders can submit their tender documents (Online) as per the dates mentioned in the key dates:

## Key Dates

SN	Particulars	Date & Time
1	(i) Downloading of Tender document / Online bid preparation.  (ii) Online directly transfer of funds of <b>Rs.2,000/-</b> through online directly through Debit Cards & Internet Banking Accounts (Tender document fee Rs.1,000/-, Processing Fee Rs.1,000/-) and required <b>EMD of Rs. 10 Lakh</b>	<b>14.12.2021 from 11:00 AM to 05.01.2022 up to 04:00 PM</b>
2	Last date of receipt of pre-bid queries (at Hafed's email ID : <b>addlgmp@gmail.com</b>	<b>20.12.2021</b>
3	Pre – Bid meeting	<b>23.12.2021 at 12:00 Noon</b>
4	Corrigendum, if any will be placed at Govt. of Haryana online e-tendering portal <b><a href="https://etenders.hry.nic.in">https://etenders.hry.nic.in</a></b> and Hafed's website <b><a href="http://www.hafed.gov.in">www.hafed.gov.in</a></b>	<b>28.12.2021</b>
5	<b>Bid Submission :</b> Last date for online submission of Bid and submission of bid in physical form at HAFED Corporate Office, Sector-5, Panchkula (Haryana)	<b>14.12.2021 from 11.30 hrs to 07.01.2022 up to 11:00 hrs</b>
6	Opening of Technical Bid	<b>07.01.2022 at 12:00 Noon</b>
7	Opening of Financial Bid	<b>Will be notified separately</b>

### Important Note:

- 1)The bidders have to complete 'Application/Bid Preparation & Submission' stage on scheduled time as mentioned above. If any bidder failed to complete his/her aforesaid stage in the stipulated online time schedule for this stage, his/her Application/bid status will be considered as 'Applications/bids not submitted'.
- 2)Bidder must confirm & check his/her application/bid status after completion of his/her all activities for e-bidding.
- 3)Bidder can rework on his/her bids even after completion of 'Application/Bid Preparation & submission stage' (Application/Bidder Stage), subject to the condition that the rework must take place during the stipulated time frame of the Applicant/Bidder Stage.

## **INSTRUCTIONS TO BIDDER ON ELECTRONIC TENDERING SYSTEM**

**These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.**

### **1. Registration of bidders on e-Procurement Portal:**

All the bidders intending to participate in the tenders process online are required to get registered on the centralized e-Procurement Portal i.e. <https://etenders.hry.nic.in> Please visit the website for more details.

### **2. Obtaining a Digital Certificate:**

- 2.1** The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.
- 2.2** A Digital Certificate is issued upon receipt of mandatory identity (i.e. Applicant's PAN Card) and Address proofs and verification form duly attested by the Bank Manager / Postmaster / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – <https://etenders.hry.nic.in>
- 2.3** The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from.
- 2.4** The bidder must ensure that he/she comply by the online available important guidelines at the portal <https://etenders.hry.nic.in> for Digital Signature Certificate (DSC) including the e-Token carrying DSCs.
- 2.5** Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt and sign the data during the stage of bid preparation. In case, during the process of a particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised **to keep a backup of the certificate** and also keep the copies at safe place under proper security (for its use in case of emergencies).
- 2.6** In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no-objection certificate/power of attorney /lawful authorization to that User. The firm has to authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000. Unless the certificates are revoked, it will be assumed to

represent adequate authority of the user to bid on behalf of the firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.

**2.7** In case of any change in the authorization, it shall be the responsibility of management / partners of the firm to inform the certifying authority about the change and to obtain the digital signatures of the new person / user on behalf of the firm / company. The procedure for application of a digital certificate however will remain the same for the new user.

**2.8** The same procedure holds true for the authorized users in a private/Public limited company. In this case, the authorization certificate will have to be signed by the directors of Hafed.

### **3. Pre-requisites for online bidding:**

In order to operate on the electronic tender management system, a user's machine is required to be set up. A help file on system setup/Pre-requisite can be obtained from NIC or downloaded from the home page of the website – <https://etenders.hry.nic.in> the link for downloading required java applet & DC setup are also available on the Home page of the e-tendering Portal.

### **4. Online Viewing of Detailed Notice Inviting Tenders:**

The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal e-Procurement system on the Home Page at <https://etenders.hry.nic.in>

### **5. Download of Tender Documents:**

The tender documents can be downloaded free of cost from the e-Procurement portal <https://etenders.hry.nic.in>

### **6. Key Dates:**

The bidders are strictly advised to follow dates and times as indicated in the online Notice Inviting Tenders. The date and time shall be binding on all bidders. All online activities are time tracked and the system enforces time locks that ensure that no activity or transaction can take place outside the start and end dates and the time of the stage as defined in the online Notice Inviting Tenders.

### **7. Online Payment of Tender Document Fee, Processing fee & EMD fees & Bid Preparation & Submission (Technical & Commercial/Price Bid):**

**7.1 Online Payment of Tender Document Fee + Processing fee:** The online payment for Tender document fee, Processing Fee & EMD can be done using the secure electronic payment gateway. The Payment for Tender Document Fee and Processing Fee shall be made by bidders/Vendors online directly through Debit

Cards & Internet Banking Accounts and the Payment for EMD shall be made online directly through RTGS / NEFT & OTC.

The secure electronic payments gateway is an online interface between contractors and Debit card / online payment authorization networks.

## 7.2 **PREPARATION & SUBMISSION OF online APPLICATIONS/BIDS:**

- (i) Detailed Tender documents may be downloaded from e-Procurement website <https://etenders.hry.nic.in> and tender mandatorily be submitted online following the instruction appearing on the screen.
- (ii) Scan copy of Document to be submitted / uploaded for technical bid under online Technical Envelope. The required documents (refer to DNIT) shall be prepared and scanned in different file formats (in PDF/JPEG/MS WORD format such that file size is not exceed more than 10 MB) and uploaded during the on-line submission of Technical Envelope.
- (iii) **FINANCIAL or Price Bid PROPOSAL shall be submitted mandatorily online under Commercial Envelope and original not to be submitted manually)**

## 8. **ASSISTANCE TO THE BIDDERS**

For queries on Tenders Haryana Portal, Kindly Contact

Note: Bidders are requested to kindly mention the URL of the Portal and Tender ID in the subject shiel emailing any issue along with the contact detail. For any issue/clarification relating to the Tender (s) published kindly contact the respective tender Inviting Authority.

[Tel:-0120-4200462,0120-4001002](tel:0120-4200462,0120-4001002)

Mobile:88262-46593

Email:-support.etender@nic.in

For any technical related queries please call at 24x7 Help Desk number 0120-4001002,0120-4200462,0120-4001005,120-6277787

For support related to Haryana Tenders in addition to help desk you may also contact on email ID eproc.nichry@yahoo.com, [Tel:0172-2700275](tel:0172-2700275)

### **Timing:**

Technical support assistance will be available over telephone Monday to Friday (9:00am to 5:30pm) (Helpdesk Support in team shall not be contracted for online bidding on behalf of the contractors)

**Note:** Contact e-Procurement helpdesk on or before prior to 4 hours of the scheduled closing date and time of respective e-tendering event. Also, for queries related to e- payment of EMD kindly contact the helpdesk at least two days prior to closing date and time of the respective event.

Intended bidders mandatorily required to register their queries if there is any pertaining to the online bidding and the single e-Procurement portal at email address:-

<https://etenders.hry.nic.in>

**NOTE:-**

***(A) Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal <https://etenders.hry.nic.in>***

***(B) For help manual please refer to the 'Home Page' of the e-Procurement website at <https://etenders.hry.nic.in>, and click on the available link 'How to...?' to download the file.***

**(Online Payment Guidelines)**

**Guideline for Online Payments at e-Procurement Portal of Government of Haryana.**

Post registration, bidder shall proceed for bidding by using both his digital certificates (one each for encryption and signing) & Password. Bidder shall proceed to select the event/Tenders he is interested in. On the respective Department's page in the e-Procurement portal, the Bidder would have following options to make payment for tender document fee + Processing fee & EMD:

- A. Debit Card
- B. Net Banking
- C. RTGS/NEFT or Over The Counter (OTC) **Operative Procedures for Bidder Payments**

**A) Debit Card**

**The procedure for paying through Debit Card will be as follows:**

- (i) Bidder selects Debit Card option in e-Procurement portal.
- (ii) The e-Procurement portal displays the amount and the card charges to be paid by bidder. The portal also displays the total amount to be paid by the bidder.
- (iii) Bidder clicks on "Continue" button.
- (iv) The e-Procurement portal takes the bidder to Debit Card payment gateway screen.
- (v) Bidder enters card credentials and confirms payment.
- (vi) The gateway verifies the credentials and confirms with "successful" or "failure" message, which is confirmed back to e-Procurement portal.
- (vii) The page is automatically routed back to e-Procurement portal.
- (viii) The status of the payment is displayed as "successful" in e-Procurement portal.



- (ix) In case of successful payment, a success message along with unique transaction ID is passed on to e-Procurement system. The e-tendering portal shall store the unique transaction number in its database along with the date and timestamp.
- (x) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

## **B) Net Banking**

**The procedure for paying through Net Banking will be as follows:**

- (i) Bidder selects Net Banking option in e-Procurement portal.
- (ii) The e-Procurement portal displays the amount to be paid by bidder.
- (iii) Bidder clicks on "Continue" button
- (iv) The e-Procurement portal takes the bidder to Net Banking payment gateway screen displaying list of Banks
- (v) Bidder chooses his / her Bank
- (vi) The Net Banking gateway redirects Bidder to the Net Banking page of the selected Bank
- (vii) Bidder enters his account credentials and confirms payment
- (viii) The Bank verifies the credentials and confirms with "successful" or "failure" message to the Net Banking gateway which is confirmed back to e-Procurement portal
- (ix) The page is automatically routed back to e-Procurement portal
- (x) The status of the payment is displayed as "successful" in e-Procurement portal.
- (xi) In case of successful payment, a success message along with unique transaction ID is passed on to e-Procurement system. The e-Procurement portal shall store the unique transaction number in its database along with the date and timestamp.
- (xii) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

## **C) RTGS/ NEFT**

This solution shall also allow the bidder to make the EMD payment via RTGS/NEFT this shall add to the convenience of those bidders who are not conversant to use net banking option to make the transaction.



Using this module, bidder would be able to pay from their existing bank account through RTGS/NEFT. This would offer a wide reach for more than 1,10,000 bank branches and would enable the bidder to make the payment from almost any bank branch across India.

1. To choose the payment of EMD, the bidder clicks on RTGS/NEFT payment option.
2. Upon doing so, the e-Procurement portal will redirect the bidder to a page where it will generate a Challan.
3. This Challan shall include the beneficiary (virtual) account number and other details like beneficiary IFSC code each.

### **RTGS / NEFT Payment Procedure**

The bidder shall be required to take a print of the challan and make the RTGS / NEFT on the basis of the virtual account number period on the challan. This provision will ensure that number confidential details regarding the bidder or tender are disclosed to the bank while remitting the RTGS/NEFT.

The bidder would remit the fund at least one day in advance to the last day and make the payment via RTGS/NEFT to the beneficiary account number as mention in the challan. SBI Bank shall receive this amount and credit the payment gateway service provider intermediary Department/PSUs Escrow Security Deposit account post validating the first part of the beneficiary account number, i.e., the client code only, In case of validation of client code is not successful, the bank shall return the fund and not credit the Tech process intermediary Department/PSUs Escrow Security Deposit A/c.

### **D) Over the Counter (OTC)**

This solution shall allow the bidder having account with SBI bank, to make the payment from any CMS enables Branch of SBI Bank in India. Bidders can make the payment via cash (if amount is  $\leq$  Rs. 49,999), Demand Draft or SBI Bank Cheque.

#### **The procedure for paying through OTC mode is as follows:**

- (i) Bidder selects over the counter remittance option in e-Procurement portal.
- (ii) The e-Procurement portal displays the amount to be paid. The bidder chooses the bank account number for refund of the amount.
- (iii) Bidder clicks on "Continue" Button.
- (iv) The e-Procurement portal displays the details of payment. The Bidders click on "Print Challan" and print the OTC Challan.

- (v) Bidder submits the OTC Challan at the counter of any designated bank of SBI Bank with Cash/Demand Draft/SBI Bank Cheque (Payment in Cash is allowed upto Rs. 49,999/-).
- (vi) SBI bank verifies the URL (format to be discussed and decided) and amount with e-Procurement portal prior to accepting the payment.
- (vii) On successful verification from e-Procurement portal, SBI bank accepts the payment. In case of failure, SBI bank shall return back the OTC challan and payment to the bidder.
- (viii) SBI bank commits the payment transaction (in case of successful verification from e-Procurement portal) and sends the Bank Transaction number (I-Sure Reference Number) online against the URN and Amount.
- (ix) SBI bank will generate receipt for the payment transaction and issues the same to the bidder.
- (x) The e-Procurement system updates the bank transaction number against the URN and Amount based on the details sent by SBI bank online prior to generation of the receipt.
- (xi) The status of the payment will be displayed as “verification successful” in e-Procurement Portal when the bidder clicks on the verification option in the portal.
- (xii) Bidder would be required to upload the scan copy of receipt as received from SBI Bank as part of proof in next tender portal before submitting the tender.

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**A. TURMERIC OIL EXTRACTION PLANT OF 3 MT TURMERIC PROCESSING CAPACITY PER DAY. THE TURMERIC OIL PACKAGING LINE PROPOSED FOR SMALL BOTTLES. TURMERIC POWDER PROCESSING PLANT OF 2.4 MT PER DAY BASED ON RAW MATERIAL INPUT AFTER OIL EXTRACTION.**

**B. COLD STORE OF 100 MT CAPACITY**

**C. 2 MT MULTI SPICES PROCESSING PLANT**

**AT HAFED COMPLEX RADAUR, DISTT. YAMUNANAGAR, HARYANA**

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## **PART I: INSTRUCTIONS TO BIDDERS**

### **1. General**

**TENDER FOR DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTIN  
COMMISSIONING of**

**A. TURMERIC OIL EXTRACTION PLANT OF PER DAY. THE TURMERIC OIL  
PACKAGING LINE PROPOSED FOR SMALL BOTTLES. TURMERIC  
POWDER PROCESSING PLANT OF 2.4 MT PER DAY BASED ON RAW  
MATERIAL INPUT AFTER OIL EXTRACTION.**

**B. COLD STORE OF 100 MT CAPACITY**

**C. 2 MT MULTI SPICES PROCESSING PLANT**

**AT HAFED COMPLEX RADAUR, DISTT. YAMUNANAGAR, HARYANA**

#### **1.1 List of Requirements**

1	Name of plant	A	Turmeric Oil Extraction Plant of 3 MT Turmeric Processing Capacity per day. The turmeric oil packaging line proposed for small bottles. Turmeric powder processing plant of 2.4 MT per day based on raw material input after oil extraction.
		B	Cold Store of 100 MT capacity
		C	2 MT Multi Spices Processing Plant
2	Free Comprehensive Warranty / Inbuilt Warranty (Period In Yrs)	01 Year from Date of completion of successful demonstration of smooth operation of equipment for seven days continuously from the date of Commissioning.	
3	O & M Contract (Period In Months)	3 Months after Commissioning and successful demonstration of smooth operation of equipment for seven days continuously.	
4	Bid EMD	Rs. 10 Lakh through RTGS/NEFT/ in favour of "The Haryana State Cooperative Supply & Marketing Federation Limited (HAFED).	
5	Security deposit	5% amount of the contract value(including EMD)	

## **2. Eligibility Criteria (Documents required for Technical Bid)**

**2.1 The Bidder/Tenderer should have sufficient experience in DESIGN, SUPPLY, INSTALLATION, COMMISSIONING and TESTING of below noted projects.**

**A. Turmeric Oil Extraction Plant of 3 MT Turmeric Processing Capacity per day. The turmeric oil packaging line proposed for small bottles. Turmeric powder processing plant of 2.4 MT per day based on raw material input after oil extraction.**

OR

Bidder should have at least one project experience of manufacturing / supply and commissioning of steam Distillation/Spices grinding plants/ equipment, dehydration/drying process technology plant/ sugar syrup plant & equipment etc.

The documentary evidence / proof of the above experience should be submitted along with technical bid.

**B. Cold Store of 100 MT capacity**

**C. 2 MT**

**D. Multi Spices Processing Plant**

OR

The Bidder/Tenderer should have experience of Design, Supply, Installation, Testing and Commissioning of Cold Stores of Turmeric-Spices and/or Grocery items of the 100 MT capacity. The documentary evidence / proof of the experience to be submitted along-with technical bid.

**2.2 Bidder should have sufficient experience in manufacturing, supply and commissioning of food / spices (powder) / steamed distillation / spices grinding plants equipment/ sugar plant's equipment on turnkey basis.**

**2.3 Bidder should be either manufacturer of the related Plant / Machinery or EPC contractor having authorization/ tie-up with original reputed manufactures of different plant and machinery/ equipment as described in list of plant & machineries (BOQ) at subsequent pages in this bid document and must be having experience of Turnkey execution of similar projects, which include related Civil and Electrical work.**

**2.4 Financial Eligibility Criteria: Bidder should have average turnover of Rs. 5 crore Per Annum during last three financial years. CA Certificate should be submitted along-with Technical Bid.**

- 2.5** Technical bid of the Bidder duly signed by the Bidder or his authorized representative in the Performa and format as given in Annexure-2.
- 2.6** Original/downloaded tender document duly filled in, signed and stamped by the bidder or his authorized representative of the bidder.
- 2.7** In case of EPC company bidding, Latest/ valid authorization from the principal company/Manufacture of the plant and machinery is required to be submitted, if applicable. However, in case plant manufactures is bidder, relevant certificate from Government, Specific to the plant and machinery as per the BOQ will be required to be submitted.
- 2.8** Declaration as per Annex-3 along with attested Copy of Balance Sheet for the last three years, PAN No., GST Registration Certificate of the bidder;
- 2.9** Undertaking to accept Terms and Conditions of the Tender document and to comply with them as per Annex- 4 on Non-Judicial stamp paper of Rs. 100 /- duly notarized and signed by the bidder or authorized representative of the bidder.
- 2.10** List of major existing clients in India & documents as proof of successful execution of similar works as per Eligibility Criteria mentioned at Clause 2 of Part-I, along-with certified copies of the valid Rate Contract/purchase orders/indents executed/ Contract for providing of identical/similar stores to other organization / Institutions in India in the recent past. However, in case of non-availability of such certificate the decision of the purchaser/ Hafed shall be final in this regard.
- 2.11** The bidder should be registered with appropriate authorities under Income Tax Deptt., GST department as applicable.
- 2.12** The bidder should not Blacklisted from any state/ Central agency in the country. Self attested undertaking should be submitted by the Bidder.



### 3. Financial bid

- The Price Bids must be submitted in the prescribed format as **Annex- 6**.
- The rates finalized during E-tender will be fixed till completion of the contract and no escalation of prices shall be allowed on any account whatsoever.
- The rate must be written both in words and figures. There should be no erasures and or over writings. Corrections, if any, should be made clearly and initialed with date. In case if there is variation observed in the rates in between words & figures, the lowest rate shall be considered.
- Rates to be quoted should be inclusive of all plant and machinery, utilities equipment, related civil costs, electrical costs, transports up to site all taxes and duties, and erection and commissioning costs. Separate technical and financial bids are to be submitted.
- In case, any machine/equipment/spare cost is not quoted in Price bid but the same is required for successful completion of the project, in that case such equipments will be supplied free of cost by the successful bidder.

#### 4. General conditions of contract:-

- Tender received after due date and time as mentioned in the tender document will not be entertained.
- Tenders not submitted in the appropriate prescribed form and not completed in all respects shall be rejected.
- Tenders without requisite EMD and Cost of Tender Form shall be rejected out-rightly.
- Bidder shall not be entitled to claim any costs charged or incidental or in connection with the preparation and submission of their tenders even though HAFED may choose to withdraw the notification of tender or reject all the Tenders without assigning any reason thereof.
- The successful bidder is required to deposit security amount of 5% (EMD already deposited shall be adjusted in the security amount of total 5%) of the contract value within 10 working days from the issues of award letter by Hafed. Failing which the EMD amount will be forfeited.
- The bidder should submit technical specification, drawing of the proposed area plan, earth filling & civil layout plan as per tender document duly signed by the bidder or his authorized representative as given in **Annexure-A**.
- If there is any variation from the specifications mentioned in the tender documents and quoted item then list of variations should be enclosed, along with justification of variation & benefit to Hafed.
- Bidders are required to submit the shop drawings of custom fabricated equipment and submit catalogue for standard equipment.
- 
- Successful Bidder must submit the revised layout plans as per the actual equipment and available space at site after site visit and get these approved from PMC, before commencement of work.
- The bidder should furnish a list of technical / competent staff with their qualification & experience, which will be deployed at site for installation and commissioning of said tender.
- Compliance statement in the prescribed format as per **Annexure-5** Deviations, if any, in the specifications of the offered plant/equipment/ auxiliary must be brought out clearly with appropriate justification in form of a deviation statement in the same Annexure.

- The Bidder should furnish two copies of service manuals for the quoted equipment.
- On site or off-site demonstration may be required by Hafed for evaluation the performance of equipment. Bidder / agency will be arranged the demonstration for technical evaluation at their own cost.
- It is desired that installation and Commissioning work should be carried out by the qualified operators and workers, having sufficient experience in the line.
- The bidder should employ expert/ skilled men/ women aged above 18 years, who have good health and clean conduct record.
- The bidder should provide necessary Tools and Equipments that are necessary for performance of the contract.
- The bidder should work with complete safety conduct and protocol on the site as per labour laws.

## **5. Validity of offer:**

The rates should be valid for a period of 60 days, from the date of opening of tender. No revision / modifications in the tender and rate or the withdrawal of the tender will be allowed during the period of validity of tender, withdrawal of offer within the stipulated validity period will entitle Hafed to forfeit the EMD of the bidder.

## **6. Award of Contract:**

- 6.1 Bidders who have failed to full fill earlier contractual obligations shall not be considered.
- 6.2 The order or acceptance resulting from this tender and any amendments to be issued subsequently with its terms & conditions and stipulations in response to this tender or revised offer or any counter offer will constitute the entire Agreement relating to the tender between the successful Bidder and the HAFED and both parties are bound by the terms and conditions as stipulated in the tender documents.
- 6.3 HAFED reserves the right to cancel any or all tenders without assigning any reason whatsoever.

## **7. Visiting Website of Hafed:**

Bidders are requested to visit Hafed's website, regularly, for keeping updated them regarding issuance of any corrigendum, which shall be published on Hafed's website and Haryana Govt. e tender portal i.e. <https://etenders.hry.nic.in> only.

## **8. Contact person:**

General Manager (Processing),  
The Haryana State Cooperative Supply & Marketing Federation Limited (HAFED)  
Hafed Corporate Office, Sector-5  
Panchkula-134113 (Haryana)  
Contact: 0172-2590531, 2590520- 26  
E-mail: [addlgmp@gmail.com](mailto:addlgmp@gmail.com)

**THE HARYANA STATE COOPERATIVE SUPPLY AND  
MARKETING FEDERATION LIMITED**

**Corporate office, sector 5, Panchkula Haryana (India)**

**Tel: 2590520-24, E. Mail: addlgmp@gmail,.com Web-**

**site: [www.hafed.gov.in](http://www.hafed.gov.in)**

**PART II : DETAILED TENDER NOTICE AND THE TERMS AND CONDITIONS  
OF THE CONTRACT WHICH WILL BE BINDING ON THE PARTIES ON  
ACCEPTANCE OF THIS TENDER/OFFER OR COUNTER OFFER OR REVISED  
OFFER ARISING FROM OR INCONSEQUENCE OF THIS TENDER.**

In addition to Part-I (Instruction to Tenderers) the following terms and conditions will apply to the contract. The terms and conditions given below even if contrary, to any instructions given in Part-I, shall prevail thereon.

**ARTICLE – 1: DEFINITIONS AND INTERPRETATION: -**

Wherever used in this contract and / or in any of the Annexure hereto, unless the context shall otherwise require, the following terms shall have the following meanings. -

- 1.1 “TENDERER/ BIDDER”: shall mean any legal entity in India and shall include its lawful successors and assignees and is responsible to do the work as mentioned in the Article 2 - Scope of work.
- 1.2 “CONTRACT”: shall mean the Terms and Conditions as per the Tender Documents Part-I & Part-II and SUBSEQUENT AMENDMENTS THERETO, if any, agreed in writing by the parties hereto on the basis of which the Bidder(s) shall carry out the work arising out of this tender.
- 1.3 “CONTRACTOR” shall mean Individual/Firm/Company to whom contract has been awarded by HAFED.
- 1.4 Words denoting masculine gender or singular number shall also include the feminine gender and plural number and Vice - Versa where the contract so requires or permits.
- 1.5 “CONTRACT VALUE”: shall mean total cost for equipment supplied ( (1)Turmeric powder & Oil Processing and Packaging Plant (2)Multi Spices processing plant and (3) 100 MT cold Storage) and installation & commissioning at Hafed Radaur, (Yamuna Nagar) consequent of finalization as a result of this tender notice.
- 1.6 HAFED means The Haryana State Co-Operative Supply and Marketing Fed. Ltd.

## **ARTICLE 2: SCOPE OF WORK:-**

### **2.1 Design, Manufacturing, Supply, Erection, Testing and Commissioning of**

**A. Turmeric oil extraction plant of 3 MT turmeric processing capacity per day. The turmeric oil packaging line proposed for small bottles. Turmeric powder processing plant of 2.4 MT per day based on raw material input after oil extraction.**

**B. Cold store of 100 MT capacity**

**C. 2 MT multi spices processing plant**

2.2 If require, The Contractor shall arrange to have require clearance from the related department for installation and commissioning of plant and machinery, equipment's.

2.3 **There is an existing turmeric washing machine, boiling autoclaves, polishers and pulverizer plant at Radaur, plant and machinery of which will be disposed off, preference will be given to bidder who offers to buy back the existing plant or offer dispose off price and accordingly submit the proposal and the existing civil structure will be modified for setting up said plants.** The detailed specification and drags given in technical session of this tender, should be clearly studied by the bidder for the complete scope of work which also involves existing civil structure dismantling/ rectification/ modification and construct new civil structure required according to the plant.

The details of the civil work, plant and machinery specifications and layout is given in **Annex- A**

2.4 During the Warranty period, the Contractor shall be responsible for replacement of any defects spares, repair, rectify etc for the supplied equipment by the Contractor without any extra cost to Hafed within a reasonable time.

2.4.1 Uptime Guarantee: During the Warranty of 12 months including O & M contract period of 3 Months, the successful Bidder/Supplier shall maintain the efficiency upto 95% of the machines/equipment.

In case, any of the item/spare parts is not mentioned in the scope of work details of civil work/ plant/ Machinery, but that item/spares/Machinery is necessary for completion of the project plant, The same will be provide free of cost by the successful bidder.

2.5 Furthermore, without prejudice to the generality of the foregoing, it is clarified that the Contractor shall also be responsible for the repair,

replacement or making good of any defect, or of any damage to the Facilities arising out of or resulting from any of the following causes:

2.5.1 Improper operation or maintenance of the Facilities by the Contractor 2 during operation and maintenance of the Facility;  
and

2.5.2 Operation of the Facilities outside specifications of the Facilities.

- 2.6 The Contractor shall, unless specifically excluded in the Contract, perform all such work and/or supply all such items and materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Completion of the Contract as if such work and/or items and materials were expressly mentioned in the Contract.
- 2.7 Tools & Tackles: The Contractor shall provide technically suitable tools and tackles for installation & erection of Equipment conforming to relevant BIS safety and technical standards for proper execution of work. Hafed, in no way, shall be responsible for supply of any tools and tackles for implementation of the work and also to carry out operation & maintenance activities.
- 2.8 The Contractor must warrant that the facilities shall be free from defects in the design, engineering, materials and workmanship of supplied equipment and of the work executed.
- 2.9 Contract shall indicate in its Technical Bid, the power & Fuel requirement to be used for operation of plant.
- 2.10 If due to negligence of the contractor's operator/workers results in failure of equipment such equipment should be repaired replaced by contractor at free of cost.
- 2.11 The contractor shall at his own expense provide all amenities to his workmen as per applicable laws and rules.
- 2.12 The Contractor shall ensure that all safety measures are taken at the site to avoid accidents to his or his sub-contractor or HAFED Workmen.
- 2.13 The Contractor shall be responsible for any loss, damages to equipment, and machineries up to delivery at Site.
- 2.14 The Contractor shall supply all necessary erection and commissioning manuals, O&M manuals etc. as and when required.



### **ARTICLE-3 TECHNICAL SPECIFICATIONS: -**

Bidders are required to submit the Compliance Statement as per **Annexure- 5** and acceptance of technical specifications as per **Annexure-A** with technical bid.

### **ARTICLE -4: METHOD OF EVALUATION**

Price Bid Evaluation: - The bid shall be evaluated based on following criteria and points:

- 4.1 The bidder should be technically qualified, shall qualify for Financial Bid opening and further process.
- 4.2 The price bid is to be quoted strictly as per the format given in **ANNE-6**. There should be no cutting or overwriting.
- 4.3 If price bid is not quoted as per the format in **ANNEXURE-6**, the bid is liable to be rejected or the purchaser/ Hafed may make its own judgment regarding the price bid quoted by the bidder.
- 4.4 Tender shall be awarded to the Lowest quoting bid amount after negotiation including 3 months O & M, technically responsive bidder; however, decision of HAFED shall be final in this regard.

### **ARTICLE -5: ACCEPTANCE OF TENDER AND AWARDING OF CONTRACT**

On acceptance of this tender/offer or revised offer or counter offer either by the tenderer or by the HAFED as the case may be the terms and conditions contained in this part will also constitute a contract between the parties i.e. HAFED , a Society incorporated under the Cooperative Societies Act,1984 having its **Corporate office, sector 5, Panchkula Haryana (India)** hereinafter “HAFED” which expression shall unless repugnant to the context or of the meaning thereof be deemed to include its Lawful successors, administrators and assignees of the one part.

AND,

M/s -----in the state of\_\_\_\_\_ hereinafter called the “CONTRACTOR” which expression shall unless repugnant to the context or the meaning thereof be deemed to include the Tenderer’s Lawful successors, administrators and assignees of the other part.

The work will be required to be done in accordance with the scope and schedule of work as per tender document.

## **ARTICLE 6: TIME SCHEDULE FOR COMPLETION OF CONTRACT**

Description of Items	Time period of completion
A. Supply installation & commissioning and trial run of turmeric oil extraction plant of 3 MT turmeric processing capacity per day. The turmeric oil packaging line proposed for small bottles. Turmeric powder processing plant of 2.4 MT per day based on raw material input after oil extraction.	The entire project is to be completed in 270 Days from the date of issue of Purchase Order.
B. Supply installation & commissioning and trial run of Multi Spices grinding and blending processing plant of 2 MT per day processing and packaging of spices powder.	
C. Supply installation & commissioning of Cold Room: - 100 MT Storage capacity for spices.	
D. Civil & Electrical Work as per BOQ	
E. O&M after trial run and commissioning	3 Months

## **ARTICLE 7: PENALTY FOR LATE DELIVERY:**

- 7.1 The Successful Bidder / Contractor shall be responsible to execute the contract as per schedule mentioned in the tender documents / work order issued, failing which penalty @ 1% per week shall be charged for the delayed commissioning and subject to maximum 5% of the total order Value., after which Company shall at the risk and cost of supplier and without prejudice to exercising HAFED other right as per terms of order, terminate the order wholly or partly as the case may be and get it completed by them or reassign to other supplier(s) to complete & forfeit the security amount.
- 7.2 During the Warranty period, the Contractor shall be maintained uptime Performance guarantee of 95 % as per the clause no. 2.5.1 “ The successful Bidder/Supplier shall maintain the equipment with 95% uptime. Bidder shall give a written commitment for 95% uptime of the equipment, calculated on annual basis, with penalty for any reason whatsoever directly attributable to

contractor only, equivalent to @ **1% per week** for delay in proper functioning of the unit beyond 5% down time per annum.”

## **ARTICLE-8 EARNEST MONEY DEPOSIT & SECURITY DEPOSIT:**

- 8.1 In case the party fails to take up the work within a specified period after acceptance of their tender, revised offer or counter offer in consequences of this tender notice then the earnest money so deposited will stand forfeited by Hafed.
- 8.2 Interest will not be allowed on EMD and security deposit. In the event of breach of contract on the part of the Tenderer/ Successful Bidder Hafed will be entitled to forfeit wholly or partially the above amount of Security deposit / EMD. No interest will be allowed on the Security deposit /EMD paid in demand draft. Hafed further reserves the right to adjust the Security Deposit towards any amount due to Hafed from the Contractor and in such event, the Contractor on receipt of notice from Hafed, shall make further deposit to restore the Security Deposit to the full amount.
- 8.3 Refund of EMD : EMD will be refunded to the un-successful Bidders, however in case of successful bidder the EMD will be adjusted towards security deposit @5% after adjustment and paying/ refunding the balance amount which will be released on satisfactory Commissioning of Equipment and receipt of security deposit Bank Guarantee @5% of Order value, Release of Payment of 5% of Contract value after 12 months as per Clause 9 , the Security Deposit will be refunded to the Successful Bidder provided that no claim whatsoever against the Successful Bidder is made and nothing is due from him and has completed the work to the entire satisfaction of Hafed.
- 8.4 With-holding or forfeiture of Security Deposit: Without prejudice to the rights of Hafed to claim damages arising on account of breach of contract under the Contract Act 1972 the Security Deposit shall be liable to be with held/forfeited wholly or partially at the sole discretion of Hafed when the Tenderer either fail to fulfil his contractual obligations or to settle in full his dues to Hafed.
- 8.5 Recovery from Security Deposit / EMD : Hafed is empowered to deduct from the Security Deposit / EMD or from any other outstanding amount, any sum that may be fixed by Hafed as being the amount of loss or losses or damages suffered by it due to delay in performance or non- performance of any of the conditions of the contract.

## **ARTICLE 9: PAYMENT TERMS AND CONDITIONS: -**

The payment terms for the project shall be as under:-

- 9.1 **20%** mobilization advance against submission of equivalent amount BG
- 9.2 **20 %** of contract value after completion of civil construction work
- 9.3 **30 %** total Contract value on receipt of plant machinery and equipment at site on verification of the delivery challans on prorata basis during installation, commissioning of equipment at site.
- 9.4 **20 %** of after successful demonstration of smooth operation of the equipment for seven days continuously from the date of stabilized operation of equipment on the offered & accepted efficiency in the order in respect of product purity, utilities consumption and raw materials consumption per ton of production for 30 days continuously from the date of stabilized operation of equipment.
- 9.5 **Balance 10%** shall be paid after 90 days from the date of payment at (ii) as above, on successful running of the equipment and against submission of Performance Bank Guarantee of 5% Contract Value from Nationalized Bank in the name of HAFED for a period of 12 months from the date of completion of trial run having further 60 days of claim period, or The Security deposit @5% (including EMD) of Contract value shall be released after 12 months from date of successful commissioning of equipment.

## **ARTICLE 10: DIFFERENCES OR DISPUTES**

### **10.1 Mutual Settlement of Disputes**

- 10.1.1 Except where otherwise provided for in the contract, all disputes shall in the first place be resolved through mutual discussions, negotiations, deliberations and consultations associating senior executives /nominees of both the parties to dispute.

### **10.2 Conciliation**

If the efforts to resolve all or any of the disputes through mutual settlement fail, such disputes shall be referred to the Managing Director, Hafed, whose decision shall be final and binding on the parties. The settlement agreement shall have status and effect of an arbitration award.

### **10.3 Arbitration**

- 10.3.1 If the efforts to resolve all or any of the disputes thorough conciliation fail, such disputes shall be referred to the sole Arbitrator to be appointed by the Managing Director, HAFED. There shall be no objection by the “CONTRACTOR” if the sole Arbitrator so appointed is an employee of Hafed. In case the Arbitrator so appointed is unable to act for any reason, Managing Director, HAFED, in the event of such inability, shall appoint another person to act as an Arbitrator in accordance with the terms of the contract. Such persons shall be entitled to proceed with reference from the stages at which it was left incomplete by his predecessor.
- 10.3.2 Subject to the afore stated conditions, the provisions of the Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the conciliation and arbitration proceedings under this clause.
- 10.4** Pending resolution of disputes and differences, the work shall continue without hindrance as per schedule and shall not be either slowed down or stopped. If the work is slowed down or stopped during the period of dispute, the “CONTRACTOR” shall be responsible for the loss of work /production or delays and any loss sustained by Hafed due to such actions by the “CONTRACTOR”, shall be made good by the “CONTRACTOR”.
- 10.5** The cost incidental to the arbitration shall be at the discretion of the Arbitrator. The arbitration shall be conducted at Panchkula (Haryana) or at such other place or places as the Arbitrator may so decide.
- 10.6** The provisions of “Micro, Small & Medium Enterprise Development Act, 2006 and the Micro and Small Enterprises (MSEs) Order, 2012 (as amended from time to time), shall be applicable to the parties.

### **ARTICLE 11: JURISDICTION**

Subject to Article 10 above, it is hereby agreed that all actions at law or suits arising out of or in connection with this contract or the subject matter thereof whether as to construction or otherwise shall be instituted in court of competent jurisdiction at Panchkula/Chandigarh in the State of Haryana, India.

### **ARTICLE 12: FORCE MAJEURE**

In case either of parties fail to full fill, in time, then, respective contractual obligation owing to future event beyond their control like Acts of God (including fire, flood, earthquake, storm, hurricane or other natural disaster), war, invasion, act of foreign enemies, hostilities, civil war, rebellion, from time to time

for performance of such obligation/responsibility shall automatically extended for the period of force majeure. Provided force majeure is established & one party shall inform to the other party for such occurrence but no one party shall blame other party and claim by the Bidder due to force majeure condition, & both parties mutually agree to further course of action.

## **ARTICLE 13: RECESSION AND CANCELL ATION OF CONTRACT**

**13.1** If any technical or legal complication arises through statutory agencies or any other reason, during the period of contract, then contract shall be terminated by Hafed at its discretion by giving 7 days' notice to the Contractor and Contractor shall not claim any damages for such cancellation of contract. However, the due payment till the date towards the work completed will be paid by HAFED to contractor.

### **13.2 Risk & Cost Clause:**

Without prejudice to the rights of Hafed and notwithstanding the obligations of the Contractor under the contract arising from the acceptance of this tender or the revise offer or counter offer in response to this tender or in consequences of this tender in the event of any failure on the part of the Contractor, Hafed will be free to get the same executed in any manner at the risk and cost of the Contractor and the additional burden on this account, if any, will be borne by the Contractor, and can be realized from the Bidder's pending bills/ Security money deposit or any other dues. This is without prejudice to Hafed's claim for other losses and damages that may arise due to the failure of the Contractor to keep up to the terms of the contract.

## **ARTICLE 14: NONE SUBLETTING OF CONTRACT**

The Contractor is barred from any sub-letting of contract of any nature.

## **ARTICLE 15: DAMAGES UNDER THE CONTRACT:**

### **Loss or Damage to Company's Property:**

The Contractor shall carry out the work without damage and/or interference to any other work, machines or equipment and property of Hafed or other contractors of company in area, adjacent to the area of Contractor's work.

In case during the execution of contract by the bidder any loss or damage occurs to any property of HAFED, then contract shall be terminated by Hafed and the amount deposited by the party shall be forfeited. For damaging Hafed property Civil and Criminal proceedings will be initiated against the Bidder at the

discretion of company and loss incurred by Hafed due to such damages will be recovered from the bidder.

## **ARTICLE -16 : POWER OF ATTORNEY**

A person signing the agreement or any documents forming part of the contract on behalf of the bidder shall be responsible to produce a proper power of attorney duly executed and attested by a Notary public under the Notaries Act in his favour stating that he had authority to bind the Bidder in all matters pertaining to the contract including the arbitration clause.

## **ARTICLE -17 : CHANGE IN CONSTITUTION**

On the death or retirement of any partner of the successful bidder/Contractor before complete performance of the contract, HAFED may at his option cancel the contract and in such case the Contractor shall have no claim whatsoever to be compensated by HAFED without prejudice to any of rights or remedies under this contract. If Contractor is proprietorship concern and the proprietor dies during the performance of this contract, HAFED shall have the option to terminate the contract without compensation and Hafed will be entitled to recover its claim from his/her legal heirs and from the property moveable or immovable of the Contractor.

## **ARTICLE – 18 : NOTICES**

Any notice hereunder may be served on the Bidder/Contractor by registered mail at his last known address. Proof of issue of any such notice will be conclusive of the Bidder/Contractor having been duly informed.

## **ARTICLE - 19: CANVASSING IS PROHIBITED**

Canvassing in connection with the tender is strictly prohibited and tender is liable to be rejected.

Any bribe or commission, gift or favors given, promised or offered by or on behalf of the Bidders/Contractor, their partners, agents or servants to any officers, servant or representative of HAFED for obtaining or for the execution of this or any other contract or for receiving payments under the contract shall in addition to the criminal liability may ensure cancellation of this tender or any other Contracts and also to payment of any loss resulting from any such cancellation. HAFED shall be entitled to deduct the amount so payable from any money otherwise due to the Contractor under this or any other Contracts. Any question or disputes as to whether the Contractors have incurred any liability under this clause shall be settled by HAFED in such manner and on such evidence or information as it may think fit and sufficient, and its decision shall be final and binding.



## **ARTICLE-20: MAINTENANCE OF DISCIPLINE BY THE CONTRACTOR**

The Contractor shall be liable to comply with covenants of contract and tender documents. Hafed has expected the Contractor and his representatives and the labour to conduct themselves in a disciplined manner. All rules and instructions pertaining to wellbeing of the factory and its precincts, the sanitation and health etc. should be adhered to and in the event of any theft, arson or any antisocial activities on the part of the Contractor, his employees or his labour, Hafed shall have the right to terminate the agreement.

## **ARTICLE 21 - GOVERNING LAW S AND RIGHT OF INDEMNITY OF HAFED.**

- 21.1 The Contractor shall comply with all laws in force at the place, where the supplied Equipment are installed and where the Installation Services are carried out. The laws will include all national, provincial, municipal or other laws that affect the Performance of the Contract and binding upon the Contractor. The Contractor shall indemnify and hold Hafed harmless from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature arising or resulting from the violation of such laws by the Contractor or its personnel, including the Subcontractors and their personnel.
- 21.2 The Contractor shall indemnify Hafed for all the injuries caused to any person or to public property due to his negligence or to the negligence of his workmen during the performance of contract.
  - 21.2.1 Contractor shall abide by all existing / future labour enactments and rules, regulations, notifications and bye laws of Haryana State or Central Government or local authority.
  - 21.2.2 The Contractor shall comply with all the provisions of the Statutory Acts and rules framed hereunder particularly in respect of the Factory Act. 1948, the Payment of Wages Act. 1936, the Industrial Disputes Act, 1947, the Industrial Employment Standing Orders Act, 1946, the Minimum Wages Act, 1948, the Collection of Statistic Act, 1953, the Workmen's Compensation Act, 1923, Fatal Accidents Act, 1935, Personal Injuries (Compensation Insurance) Act, 1963, the Trade union Act, 1926, Maternity Benefit Act, 1961, Employees Provident Fund Act, 1952, Contract Labour (Regulation and Abolition) Act, 1970, Indian contract Act, 1872 and the rules framed by the state in respect of various Labour Acts as demanded from time to time and shall also comply with the provision of any other enactment statutes, rules regulations made by a competent authority and enforced in the state during the currency of the contract. The Contractor shall indemnify Hafed for the penalties on account of breach of any of the conditions, there under.

- 21.2.3 Hafed shall remain indemnified by the Bidder against any claim arising under the payment of W ages Act, or the payment of Bonus, C.P. Fund or Gratuity of Compensation Act arising during the pendency of the contract. All such claims will be met with by the Contractor themselves from the payment made to them.

## **ARTICLE 22: TAX/ DUTIES ETC.**

All Taxes and duties for Supply, Packing & forwarding, Transportation, Installation, testing & commissioning shall be paid by company on actual basis.

## **ARTICLE 23: CONTRACT DOCUMENT**

A contract arising on acceptance of this tender or in consequence of this tender, Hafed and the Contractor, shall agree to abide by all the terms & conditions of Part I & II of these tender documents as well as the terms and conditions mutually agreed in writing between the parties.

## **ARTICLE 24: COMPLETENESS OF TENDER**

The tender should be complete with all details of illustrative and descriptive literature.

## **ARTICLE 25: SAFETY OF PERSONNEL**

- 25.1 The contractor shall cover all personnel deputed for performance of contract under appropriate insurance scheme.
- 25.2 Hafed shall not be responsible or held responsible or held liable for any damage to person or property that may result during the execution of contract by the contractor.
- 25.3 The contractor has to agree to indemnify Hafed from any or all claims for damages that may result during the execution of Contract by the contractor.
- 25.4 The contractor shall provide all safety gears and livery to its workmen to ensure their safety and protection from injuries during the execution of works.

Date:  
Place:

Signature of the Bidder  
Affix Rubber Stamp/Common Seal

**THE HARYANA STATE COOPERATIVE SUPPLY  
AND MARKETING FEDERATION LIMITED**  
**Corporate office, sector 5, Panchkula Haryana (India)**  
**Tel: 2590531, FAX: 2590711 E. Mail: [addlgmp@gmail.com](mailto:addlgmp@gmail.com)**  
**Web-site: [www.hafed.gov.in](http://www.hafed.gov.in)**

**Annexure - A**

**TECHNICAL SPECIFICATIONS**

**Items for which tender is invited for-** Designing, Manufacturing, Supply, Installation & Commissioning of **Plant A, B, and C**, at HAFED Complex, Radaur Yamuna Nagar on turnkey basis: -

**A. TURMERIC OIL EXTRACTION PLANT OF 3 MT TURMERIC PROCESSING CAPACITY PER DAY. THE TURMERIC OIL PACKAGING LINE PROPOSED FOR SMALL BOTTLES. TURMERIC POWDER PROCESSING PLANT OF 2.4 MT PER DAY BASED ON RAW MATERIAL INPUT AFTER OIL EXTRACTION.**

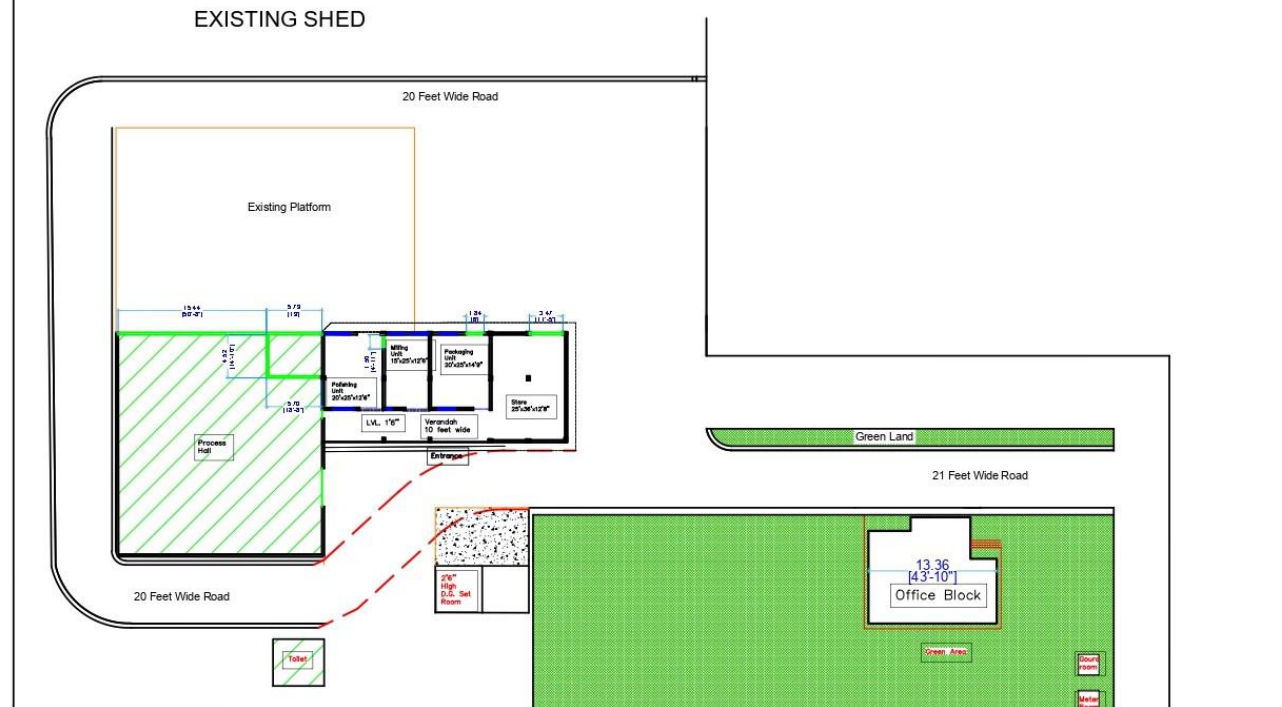
**B. COLD STORE OF 100 MT CAPACITY**

**C. 2 MT MULTI SPICES PROCESSING PLANT**

**Proposed rectification in existing plant: - (As per drawing of proposed Civil layout, proposed area plan, proposed earth filling and description/ Specifications attached with Tender document).**

S. No.	Particular	Dimensions (MT.)		Height	Area (Cu. MT.)
A	<b>Existing Civil Dismantle</b>				
1	Side Wall Dismantle in existing process hall	15.4	0.225	3.65	12.65
2	Room Wall Dismantle in existing process hall	5.79	0.225	3.65	4.76
3	Room Wall Dismantle in existing process hall	4.52	0.225	3.65	3.71
4	Room Wall Dismantle in existing process hall	5.70	0.225	3.65	4.68
5	Wall dismantle between existing polish and milling room	1.5	0.225	2.5	0.84
6	Back side wall Dismantle - Packaging room	1.84	0.225	2.5	1.04
7	Back side wall Dismantle - existing storeroom	3.47	0.225	3.868	3.02
8	Existing roof shed dismantle - Processing area	21.23	22.89		485.95
9	Wall dismantle - Existing Toilet	Lumpsum			126.19

## SHEET NO. 02- PROPOSED RECTIFICATION CIVIL LAYOUT PLAN



### PREPARED BY:

**Kamtech Associates Pvt. Ltd.**  
(India/Kenya/Tanzania/Germany)  
B-20, Behind pink square mall, Janta Colony,  
Jaipur (Rajasthan) India.  
Ph: +91-7240000406-07



PROJECT: PROPOSED 100 MT. COLD STORAGE, TURMERIC  
OIL EXTRACTION & POWDER AND MULTI SPICES PLANT - HAFED  
PROJECT LOCATION: RAJAPUR, RAJASTHAN

DATE: 14-10-2021 SCALE: 1:1 REV. NO. R-03  
R. DATE: All Dimensions are in Meter

PAGE 1 OF 2

DRAWN BY: KULDEEP



S. No.	Particular	Dimension (Mtr.)		Height	Area (Sq. Mtr.)
A	Existing Civil Dismantle				
1	Side Wall Dismantle in existing process hall	35.4	0.225	3.65	12.65
2	Room Wall Dismantle in existing process hall	5.75	0.225	3.65	4.75
3	Room Wall Dismantle in existing process hall	5.75	0.225	3.65	3.71
4	Room Wall Dismantle in existing process hall	5.75	0.225	3.65	4.68
5	Wall Dismantle between existing polish and milling room	3.5	0.225	2.5	0.84
6	Back side wall Dismantle in Packaging room	1.84	0.225	2.5	1.04
7	Back side wall Dismantle in existing store room	3.47	0.225	3.868	3.02
8	Existing roof shed Dismantle - Processing area	21.25	22.89		485.95
9	Wall Dismantle - Existing Toilet				

## BOQ Civil Work

S. No.	Description	Unit	QTY
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer-in-charge. In Cement Mortar	Cum	35
2	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 meters lead as per direction of Engineer - in- charge.	Cum	60
3	Dismantling and reconstruction of PEB shed manually/ by mechanical means at an increased height by 1.5 Meters including addition of existing steel trusses and disposal of unserviceable material within 50 meters lead as per direction of Engineer - in- charge.	Sqm	500
4	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (Exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	Cum	162
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	162
6	Supplying and filling in plinth with Local sand under floors, including watering, ramming, consolidating, and dressing complete.	Cum	560
7	Providing & injecting chemical emulsion for pre-constructional anti termite treatment & creating a chemical barrier under & all-round the column pits, will trenches basement excavation, top surface of plinth filling, junction of wall and floor along the external perimeter of the building, expansion joints, surroundings of pipe and conduits etc. complete with approved chemical. (Imidacloprid – 30.50 SC in 0.075% concentration) (The PLINTH AREA on the ground floor to be measured for payment. Nothing extra shall be measured for payments).	Sqm	1150
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level		
8.1	1:4:8 (1 Cement: 4 coarse sands: 8 graded stone aggregate 40 mm nominal size).	cum	92

S. No.	Description	Unit	QTY
9	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size)	cum	8
10	Centering and shuttering including strutting, propping etc. and removal of form work for :		
10.1	Foundations, footings, bases for columns	Sqm	58
10.2	Columns, Pillars, Piers, Abutments, Posts and Struts.	sqm	125
10.3	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	70
11	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	sqm	75
12	Reinforcement for R.C.C. Work including straightening, cutting, bending, placing in position and binding all complete.		
	Thermo-Mechanically Treated bars.	kg	9250
13	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement. Including Admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. M-25 grade reinforced cement concrete by using 410kg. Of cement per cum of concrete.		
13.1	All Work Upto Plinth	cum	14.05
13.2	All Work above Plinth Level	cum	3.00
	<b>BRICK WORK</b>		
14	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in:		
14.1	Cement mortar 1:5 (1 cement: 5 coarse sand)	cum	22.00
14.2	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level		

S. No.	Description	Unit	QTY
	Cement mortar 1:5 (1 cement : 5 coarse sand)	cum	120
	<b>STEEL WORK</b>		
15	supplying , fabricating, assembling and fixing in position G.I SHUTTER including making all locking arrangement, outer channel complete in all respect	Sqm	20
16	Supply, Fabricating, assembling, hoisting / erecting and fixing in position Structural Steel Works of specified Grade at all heights and all levels of all shapes and sizes with all leads and lifts, fabricated from equal and unequal angles, flats, channels, Gay rod, Tie rod / Sag Rod, structural steel hollow box sections RHS, SHS, tubular of TATA Structural box sections, (square, rectangular, tubular hollow sections as per IS 4923 & 1161) confirming to latest IS:808 for the work of steel roof truss structure, steel canopy, portal frames, plate girders, gantry girders, steel columns, MS staircases of any shape, MS gate, Elevation grills, Compound wall grills, including cutting, riveted, bolted, welding and threading the members as per detailed drawing and design, including cutting and making good masonry and RCC works as per requirement. High strength "J" bolts for fixing and positioning of members as per design & drawings. Bolts shall confirm to IS : 1367(Part 3)-2002, Gr.-8.8 as per drawings and as directed by engineer in charge The rate shall include 2 coat of zinc chromate red oxide primer and 2 coats of synthetic enamel paint of approved make over all the surfaces of the steel sections. (Only standard measurements will be paid for as actual cut length used at site). Shop drawings for the connection details shall be prepared by the contractor for the approval of the architect/consultant. Rate shall be inclusive of cutting, wastage, welding, bending (shop at site), bolting, riveting wherever necessary, in position welding of required length, grinding, finishing edges, and filling the welded spots with paint. Rate shall also include the cost of necessary scaffolding work. It should also include the cost of approved size of zinc coated nut-bolt and any type and size of Anchor fasteners of Hilti or Fisher makes.	Kg	35000



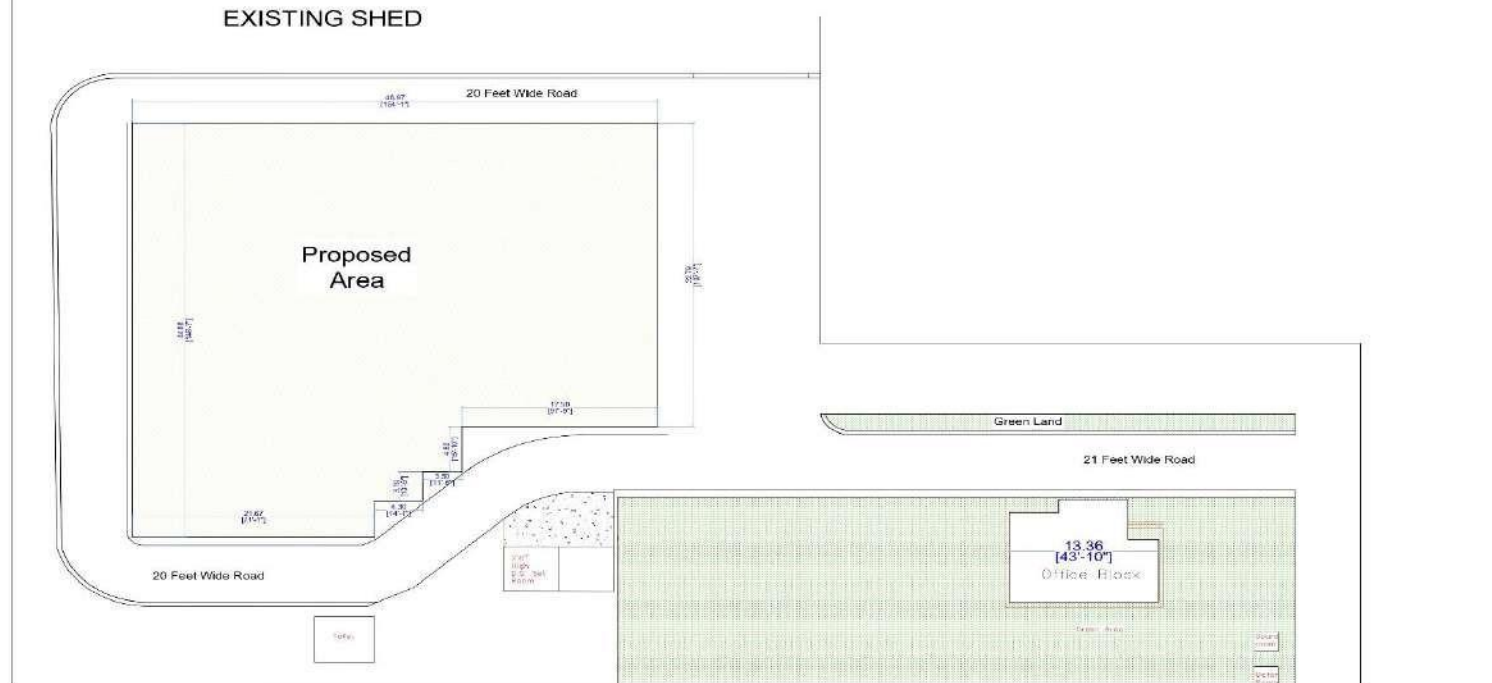
S. No.	Description	Unit	QTY
17	Supplying and fixing colour coated Corrugated GI sheet (trapezoidal profile) of 0.8 mm thickness with suitable GI J or L hooks, washer, bitumen washer and nuts on MS PURLIN with suitable lap to make water proof as per design & drawing. This also include the meaking all necessary arrangement, additions in existing structures for installation of shuttering like drilling holes, bolting etc. This also includes providing and fixing of wind tie over sheeting of flat of size 25X3mm. This item also include doing all the necessary arrangement for taking all safety precautions during erection, life line making, boom lifter, safety net etc. as per the HZL standards	Sqm	1034
	<b>Flooring Work</b>		
18	Providing & laying 200 mm thick stone soiling below p.c.c. in production area	Cum	210
19	Providing & Laying 100 mm thick RCC non suspended slab in M-30 mix by vacuum dewatering method adopting "Tremix" System including finishing with electrical floater and cost of centering and shuttering & forming drains etc. as shown complete but excluding cost of reinforcement. Light grey cement of approved shade shall be used for laying non suspended slab including laying in panels of approx. size 4mx4m making of groves ,filling of groves with Bitumin, curing complete in all respect as directed by EIC	Sqm	1034
20	Providing and Laying 10mm thick monolithic Double charged full body Vitrified tile flooring (size 800 x 800) etc. as per the approved make shade incl. of white cement mortar bedding of CM 1:6 in 40 mm thickness; neat slurry, filling joints with white cement & matching colour pigment, curing cleaning, wastages etc complete to drawing and to the satisfaction of site engineer.(basic rate:Rs750 /sq MT.) (Make:-Somany, Kazaria or equivalent)	Sqm	60
21	Providing and laying <b>glazed Ceramic wall tile</b> (size 300x450) conforming to I.S 13753 of minimum thickness 5mm (basic cost approx. Rs.250/- per sq.MT. ) as per approved shade incl. of cement mortar bedding of CM 1:4 in 40 mm thickness; neat slurry, filling joints with cement & matching colour pigment, curing cleaning, wastages etc complete to architect's pattern and requirement and to the satisfaction of EIC.	sqm	50



S. No.	Description	Unit	QTY
22	Providing and laying <b>Ceramic tile flooring matt finish</b> (size 300 x 300) conforming to I.S 13753 of minimum thickness 5mm (basic cost approx. Rs. 250/- per sq.MT.) as per approved shade incl. of cement mortar bedding of CM 1:4 in 40 mm thickness; neat slurry, filling joints with cement & matching colour pigment, curing cleaning, Wastages etc complete to architect's pattern and requirement and to the satisfaction of EIC.	sqm	40
	<b>FINISHING</b>		
23	Providing and applying 15 mm thick interior surfaces of walls , plain faced cement plaster in C.M. 1:4 with wood float finish on all types of surfaces specified on drawings at all levels. The rates shall also include moulding and grooves wherever specified, scaffolding, curing, providing and fixing 400 mm wide chicken mesh at junctions of concrete and masonry or any dissimilar materials etc.	sqm	270
24	Providing and applying on external surfaces of masonry/ concrete where directed, 20 mm thick in 2 coats, first coat 12 mm thick in CM 1:6 and second coat 8 mm thick in CM 1:4 finished with neat float, including making of grooves wherever specified, making 40x18mm droplet at edge of horizontal surfaces curing, scaffolding etc. all complete.	sqm	270
25	Providing three or more finishing coats of distemper of approved manufacture and shade to internal walls applied evenly to give uniform finish as approved complete as per specifications including preparation of surface and a coat of primer as specified.	Sqm	360
26	Providing and applying of 2 coats of white wash, including all scaffolding	Sqm	270
27	Providing and fixing polyester coating aluminum work (min. thickness of coating 50 micron)for for two track windows with extruded built-up standard tubular and other sections of approved make confirming to IS :733 and IS: 1285 anodized transparent 81 dyed to required shade according to IS 1868 (minimum anodic coating of grade Ac 15) Fixed with rawl plugs and screws etc. aluminum section shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle aluminium snap beading for glazing/ paneling. brass/stainless steel screws with complete fittings all complete as per architectural drawings including 6mm toughened glass (Jindal 26 series or equivalent)	Sqm	8

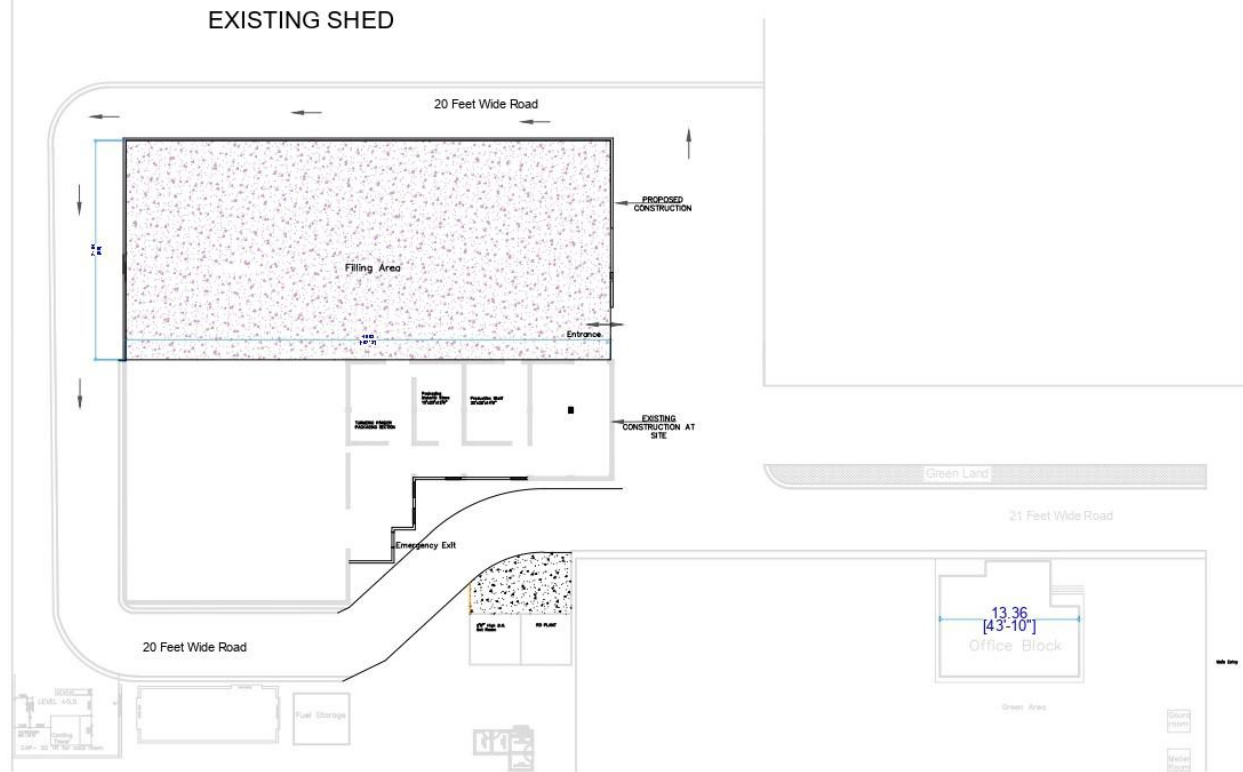
S. No.	Description	Unit	QTY
28	<p>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :</p> <p>21.1.1 For fixed portion</p> <p>21.1.1.1 Anodized aluminum (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)</p>	Kg	70
29	<p>Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge (Cost of aluminum snap beading shall be paid in basic item):</p> <p>With float glass panes of 8 mm thickness</p>	Sqm	24

## SHEET NO. 03- PROPOSED AREA PLAN



PREPARED BY:- <b>Kamtech Associates Pvt. Ltd.</b> (India/Kenya/Tanzania/Germany) B-20, Behind pink square mall, Janta Colony, Jaipur (Rajasthan) India. Ph: +91-7240000406-07		PROJECT: PROPOSED 500 MT COLD STORAGE AND FURBERIC OF: EXTRACTION AND POWDER PLANT - (LIMIT) PROJECT LOCATION: RAJASTHAN, INDIA		PAGE: 1 OF 2 DRAWN BY:- KULDEEP
DATE 03-03-2021	SCALE:- 1:1	REV. NO. R-0		
R. DATE	All Dimensions are in Meter			

## SHEET NO. 04.1 PROPOSED EARTH FILLING



### PREPARED BY:-

**Kamtech Associates Pvt. Ltd.**  
(India/Kenya/Tanzania/Germany)  
B-20, Behind pink square mall, Janta Colony,  
Jaipur (Rajasthan) India.  
Ph: +91-7240000406-07



PROJECT:- PROPOSED 100 MT. COLD STORAGE, TURMERIC  
OIL EXTRACTION & POWDER AND MULTI SPICES PLANT - HAFED  
PROJECT LOCATION-KADAUR, HARYANA.

PAGE 1 OF 2

DRAWN BY:- KULDEEP

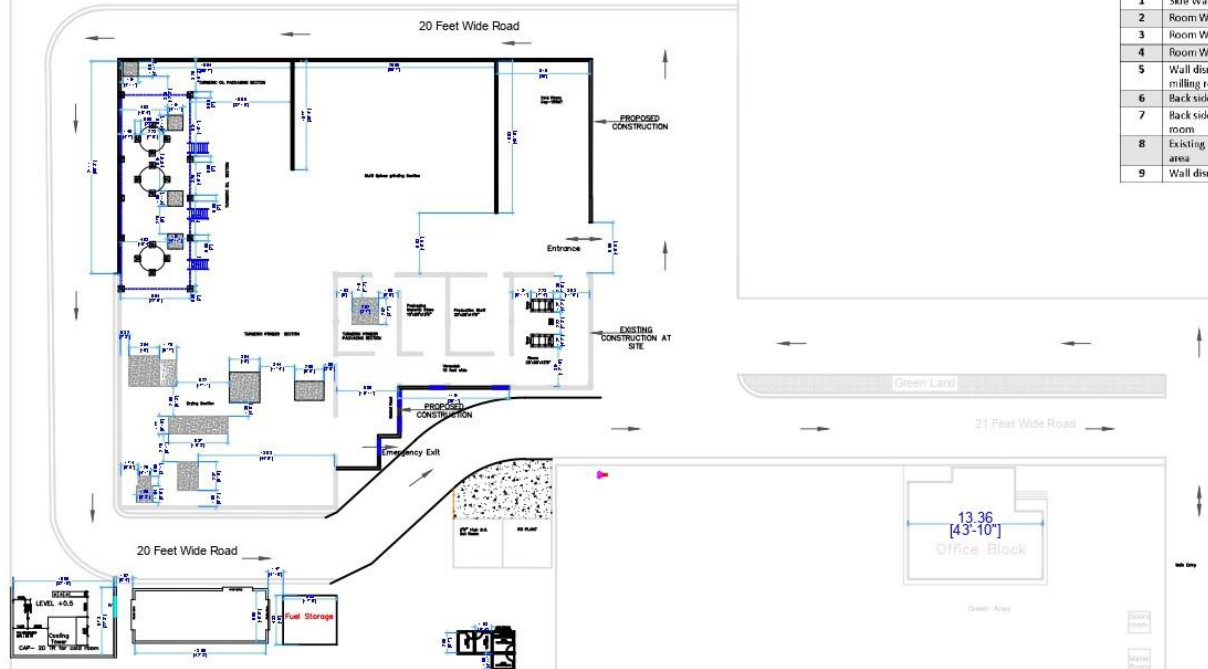
DATE 14-10-2021 SCALE:- 1:1 REV. NO. R-03  
R. DATE All Dimensions are in Meter



S. No.	Particular	Dimensions ( Mt.)		Height	Area ( Cu. Mt.)
B-	Earth Filling				
1	Cold Room area	9.14	15	0.45	61.70
2	Process area	39.65	21.11	0.45	376.66

## SHEET NO. 04- PROPOSED CIVIL LAYOUT PLAN

EXISTING SHED



S. No.	Particular	Dimensions (Mt.)	Height	Area (Cu. Mt.)
A	Existing Civil Dismantle			
1	Side Wall Dismantle in existing process hall	15.4	0.225	3.65
2	Room Wall Dismantle in existing process hall	5.79	0.225	3.65
3	Room Wall Dismantle in existing process hall	4.52	0.225	3.71
4	Room Wall Dismantle in existing process hall	5.70	0.225	4.68
5	Wall dismantle between existing polish and milling room	1.5	0.225	2.5
6	Back side wall dismantle in Packaging room	1.84	0.225	2.5
7	Back side wall dismantle in existing store room	3.47	0.225	3.868
8	Existing roof shed dismantled - Processing area	21.23	22.89	485.95
9	Wall dismantle - Existing Toilet			

S. No.	Particular	Dimensions (Mt.)	Height	Area (Sq. Mt.)
C	NEW CIVIL CONSTRUCTION			
1	height increase in existing Process Hall- FEB shed	21.23	22.89	1.50
2	New Processing Hall- FEB shed	35.65	21.11	8.00
3	new room in front of existing verandah	6	7	4.50
4	New Wall Construction in front of verandah (Cu. Mt.)	11	0.225	4.50
5	Cold Storage Building shed	9.14	15	4
6	Cooling Tower	10	7	0
7	Boiler Room	13	5	4.5
8	Foundation of machines/equipment	3.13	2	3
9	Facility- Male	3.13	2	3
10	Facility- Female	3.13	2	3

PREPARED BY:-

**Kamtech Associates Pvt. Ltd.**  
(India/Kenya/Tanzania/Germany)  
B-20, Behind pink square mall, Janta Colony,  
Jaipur (Rajasthan) India.  
Ph: +91-7240000406-07



PROJECT:- PROPOSED 100 MT. COLD STORAGE, TURMEJC  
OIL EXTRACTION & POWDER AND MULTI SPICES PLANT - HAFED  
PROJECT LOCATION:- RADAUR, HARYANA.

DATE  
14-10-2021  
R. DATE

SCALE:-  
1:1  
REV. NO.  
R-03  
All Dimensions are in Meter

PAGE 1 OF 2

DRAWN BY:- KULDEEP



## BOQ Plumbing

S. No.	Item of Work	Unit	Total Qty
	PLUMBING WORK		
1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 liter low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :	Each	1.00
2	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests	Each	1.00
3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 liter low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required :		
	W.C. pan with ISI marked white solid plastic seat and lid.	Each	1.00
4	Providing and fixing wash basins with C.P. Brass pillar tap, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls and floors where required.		
	White Vitreous china Wash basin of size 630 x 450mm with single 15mm C.P brass pillar tap.	Each	2.00
5	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	2.00
6	Bottle trap 31 mm single piece molded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal,	Each	3.00
	Weighing not less than 266 gms.		

S. No.	Item of Work	Unit	Total Qty
7	Providing & fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	2.00
8	Providing & fixing 15mm C.P brass <b>bib tap</b> with C.P brass threaded flange complete, including cutting and making good the walls wherever required.		
8.1	Bib Cock ( <b>Make: - Hind ware, model: - F200003</b> )	Each	2
8.2	2-way Bib Cock ( <b>Make: - Hind ware, model: - F200004</b> )	Each	2
8.3	Pillar Cock Self Closing ( <b>Make: - Hind ware, model: - F310001</b> )	Each	3
9	Providing & fixing 15mm C.P. brass <b>angle valve</b> with C.P copper connecting pipe 375mm long and nuts, washer with C.P. brass flange complete, including cutting and making good the walls, wherever required. ( <b>Make: - Hind ware, model: - F850030</b> )	Each	10
10	Providing & fixing Chlorinated polyvinyl Chloride (CPVC) Pipes, having thermal stability for hot & cold-water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamp's at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge.		
	Concealed work, including cutting chases and making good the walls		
10.1	15 mm nominal outer dia pipes	Meter	90.00
10.2	20 mm nominal outer dia pipes	Meter	50.00
10.3	25 mm nominal outer dia pipes	Meter	50.00
10.4	40 mm nominal outer dia Pipes	Meter	100.00
10.5	50 mm nominal outer dia Pipes	Meter	450.00
11	Providing and fixing ball (brass) valve of approved quality. High or low pressure, with plastic floats complete:		
11.1	15 mm nominal bore.	Each	10.00
11.2	20 mm nominal bore.	Each	10.00
11.3	25 mm nominal bore	Each	6.00
11.4	40 mm nominal bore	Each	5.00
11.5	50 mm nominal bore	Each	5.00
12	Providing and fixing gun metal non-return valve of approved quality (screwed end)		
12.1	32 mm nominal bore.		



S. No.	Item of Work	Unit	Total Qty
	Horizontal	Each	2.00
12.2	40 mm nominal bore.		
	Horizontal	Each	2.00
12.3	50 mm nominal bore		
	Horizontal	Each	2.00



## BOQ Electric Work

S No.	ITEM DESCRIPTION	Unit	QTY.
<b>A</b>	<b>MAIN PANEL to EQUIPMENT POWER CABLES</b>		
1	4C x 1.5 Sq. mm (CU/XLPE) 2XWY	RMTrs.	1550
2	4C x 2.5 Sq. mm (CU/XLPE) 2XWY	RMTrs.	1100
3	4C x 6 sq.mm (CU/XLPE) 2XWY	RMTrs.	300
4	4C x 6 sq.mm (CU/XLPE) 2XWY	RMTrs.	700
5	4C x 25 sq.mm (CU/XLPE) 2XWY	RMTrs.	400
6	4C x 35 sq.mm (CU/XLPE) 2XWY	RMTrs.	150
7	2C x 1.5 sq.mm (CU/XLPE) 2XWY	RMTrs.	1000
<b>B</b>	<b>LIGHTNING,BONDING &amp; GROUND EARTHING SYSTEM</b>		
1	SITC of Earth pit as per IS 3043 <b>600mmx600mmx6.15 mm G.I. Earth Plate</b> for earth station for substation i.e. DG Body& Neutral 4nos.	Nos.	4
2	G.I. Pipe 75mm diaX 3Meter length as electrode for earth station for Bonding & LIGHTENING PROTECTION	No.	<b>10</b>
3	EARTH CONDUCTORS		
3.1	50 x 6 mm. bare G.I. Strip	RMTrs.	350
3.2	40x 5 mm. bare G.I. Strip for BONDING STRIP BELOW PCC	RMTrs.	500
3.3	32 x 6 mm. bare G.I. Strip	RMTrs.	300
3.4	25 x 6 mm. bare G.I. Strip along power cable on Cable tray as ECC	RMTrs.	350
3.5	25 x 6 mm. bare G.I. Strip for equipment connection	RMTrs.	200
4	LIGHTNING ARRESTOR -SPIKE TYPE -AS PER IS 2309 on top of the Boiler Chimney	Nos.	2
<b>C</b>	<b>Power Distribution Board &amp; internal Power wiring</b>		
1	Supply and Installation of wall mounted Distribution Boards. The details shall be as per Single Line Diagram with 63A MCB + ELCB and outgoing 10/20A SP MCB.		
1.1	PDB - (6 W TPN)	Nos.	4
1.2	440V PDB - (8 WTPN) with 125A incomer MCCB ,outgoings 6nos. 63A TPN MCB & 6nos. 63/32ADP MCB	Nos.	1
2	Supply and Installation of 20A point with 2 x 4 Sq. and 1 x 2.5 mm <sup>2</sup> PVC insulated 1100 V grade copper conductor wire in rigid PVC conduit from the power distribution board to the individual points are not to be lopped, for Power point (average circuit length 25 meters from DB)	Nos.	35
3	Supply and Installation of 15A Switch Socket Point with 2 x 4.0 and 1 x 2.5 Sq. mm PVC/FRLS insulated 1100 V grade Copper Conductor Wire in rigid heavy duty MS conduit. The wires shall be laid from the Power Distribution Board to the Individual Point.	Nos.	25

S No.	ITEM DESCRIPTION	Unit	QTY.
4	Supply and Installation of 25 mm.MS rigid conduit with coupling, male and female bush etc. (empty conduit for future provision of wiring).	RMTTrs.	300
<b>D</b>	<b>CABLE TRAY &amp; SUPPORTS</b>		
<b>1</b>	SITC of G.I. trays and accessories (2 mm. thick).		
	a)150mm	RMTTrs.	200
	b)300mm	RMTTrs.	500
	c)500mm	RMTTrs.	100
	d)600mm	RMTTrs.	50
	e) cable tray supports of MS members including cutting, welding, painting etc.	Kgs.	3000
<b>E</b>	<b>CONSTRUCTION WORKS &amp; RECORD / DRAWING</b>		
1	Supply & installation of 3 core 1.5 sq.mm. Cu armoured cable fixed to wall / Partition	MTrs	600
2	Supply & installation of 4 core 25 sq.mm. Al. armoured cable fixed to wall / Partition.	MTrs	100
3	Supply and installation of 2 nos 5A + 1 no - 15 A switch socket in wooden box.	Sets	20
4	Supply & Installation of 32A Iron clad SFU with rewirable fuses.	Set	8
5	Supply & Installation of 40A,DP ELCB with 300mA.	No.	10
6	Preparation of all record drawings and submitting shop drawings, all "As BUILT" documentation to Client.	Job	1
<b>F</b>	<b>Power Distribution Board &amp; internal Power wiring</b>		
1	Supply and Installation of wall mounted Distribution Boards. The details shall be as per Single Line Diagram with 63A MCB + ELCB and outgoing 10/20A SP MCB.		
1.1	PDB - (6 W TPN)	Nos.	4
1.2	<b>440V PDB - (8 WTPN) with 125A incomer MCCB ,outgoings 6nos. 63A TPN MCB &amp; 6nos. 63/32ADP MCB</b>	Nos.	1
2	Supply and Installation of 20A point with 2 x 4 Sq. and 1 x 2.5 mm <sup>2</sup> PVC insulated 1100 V grade copper conductor wire in rigid PVC conduit from the power distribution board to the individual points are not to be lopped, for Power point (average circuit length 25 meters from DB)	Nos.	35
3	Supply and Installation of 15A Switch Socket Point with 2 x 4.0 and 1 x 2.5 Sq. mm PVC/FRLS insulated 1100 V grade Copper Conductor Wire in rigid heavy duty MS conduit. The wires shall be laid from the Power Distribution Board to the Individual Point.	Nos.	25
4	Supply and Installation of 25 mm.MS rigid conduit with coupling, male and female bush etc. (empty conduit for future provision of wiring).	RMTTrs.	300

S No.	ITEM DESCRIPTION	Unit	QTY.
G	<b>CABLE TRAY INSTALLATION SUM CARRIED TO SUMMARY SHEET</b>		
	<b>CONSTRUCTION WORKS &amp; RECORD / DRAWING</b>		
1	Supply & installation of 3 core 1.5 sq.mm. Cu armoured cable fixed to wall / Partition	RMTrs.	600
2	Supply & installation of 4 core 25 sq.mm. Al. armoured cable fixed to wall / Partition.	RMTrs.	100
3	Supply and installation of 2 no's 5A + 1 no - 15 A switch socket in wooden box.	Nos.	20
4	Supply & Installation of 32A Iron clad SFU with rewirable fuses.	Nos.	8
5	Supply & Installation of 40A, DP ELCB with 300mA.	Nos.	10

## List of Plant and Machinery (BOQ) for

**A. TURMERIC OIL EXTRACTION PLANT OF 3 MT TURMERIC PROCESSING CAPACITY PER DAY. THE TURMERIC OIL PACKAGING LINE PROPOSED FOR SMALL BOTTLES. TURMERIC POWDER PROCESSING PLANT OF 2.4 MT PER DAY BASED ON RAW MATERIAL INPUT AFTER OIL EXTRACTION.**

**B. COLD STORE OF 100 MT CAPACITY**

**C. 2 MT MULTI SPICES PROCESSING PLANT**

S. No.	Particular	Qty.
<b>A. Preparation Section</b>		
1	Inspection Table	2
2	Shredder Machine	1
<b>B. Turmeric Oil Section</b>		
3	SS Charging Vessel (2000 Liters)	3
4	Shell & Tube Condenser	3
5	Oil Water Separator	3
6	Oil Storage Tank (50Liters)	3
7	Water Storage Tank (1000 Liters)	4
8	Cages (2MT)	3
9	Chain Pully Block	1
<b>B1-Turmeric Oil Packaging Section</b>		
10	Oil Pump	1
11	Turmeric Oil Final Storage Tank (500 Liters)	1
12	Oil Filing Machine	1
13	Capping Machine	1
14	Bottle Inspection Station	1
15	Labeling Machine	1
16	Batch Printer	1
17	Carton Packaging Machine	1
18	Packaging Belt Conveyor	1
<b>B2-Turmeric water Section</b>		
19	Water Pump	4
20	Turmeric Water Final Storage Tank	1
<b>B3-Drying Section</b>		
21	Slurry Collection Tray	1
22	Feed Hoper	1
23	Screw Conveyor	1
24	Storage Silo (2MT)	1
25	Pusher Centrifuge	1
26	Screw Conveyor	1
27	Fluidized Bed Dryer	1

S. No.	Particular	Qty.
28	Screw Conveyor	1
29	Storage Silo (2MT)	1
30	Screw Conveyor	1
<b>C. Turmeric Powder Section</b>		
31	Universal Mill with Air Lock	1
32	Vibro Screen Sorter 24"	1
33	Screw Conveyor	2
34	Blender	1
35	Screw Conveyor	1
36	Turmeric Powder Storage Silo (2MT)	1
37	Master Control Panel	1
38	Powder Packaging Machine - Existing	1
39	Powder Packaging Machine - Bulk	1
40	Carton Packaging Machine	1
41	Box Strapping Machine	1
<b>D. Plant &amp; Machinery - Cold Storage- 100 MT</b>		
42	Cold Room 100 MT	1
43	Cold Room Rack	1
<b>E. Utilities</b>		
44	Transformer 300 KVA& Panel	1
45	Storage Racks (1200x450x1800mm)	10
46	Material Handling - Hydraulic Pallet truck	2
47	Cooling Tower with pump	1
48	Weighing Machines (100 Kg)	1
49	Piping and water utilities	1
50	Electrical Installation, Panels, Capacitor Bank etc.	1
51	Air Compressor with Pipeline	1
52	DG set -160 KVA	1
53	Non-IBR steam boiler- 2ton	1
54	MS Structure	lot
55	Hot Air Blower FD fan	1
56	Cold Air Blower	1
57	Fire fighting	lot
58	Lab Equipment	1
59	RO plant	1
<b>F. SPICES GRINDING LINE- 250 Kg per hr</b>		
60	Bucket Elevator	2
61	De-stoner Machine	1
62	Cyclone ø1150	
63	Airlock ø 150 mm & Geared Motor	
64	Blower 7.5 HP	

S. No.	Particular	Qty.
65	Cleaning machine	1
66	Dryer Machine	1
67	<b>Conveyor ø 200 mm</b>	1
68	Screw Worm	1
69	ACM -600	1
70	<b>SS Cyclone 950</b>	1
71	MS Cyclone 950	1
72	Dust filter	1
73	<b>Blower</b>	1
74	Vibro Screen (SS)	1
75	Air Lock-150	2
76	MAGNETS	2
77	Ducting Mild Steel	1 Lot
78	Ducting Stainless Steel	1 Lot
79	Electric Panel	1 Lot
80	Electric & Mechanical Fitting	1 Lot
81	Vibration Pads	8
82	Screw Worm	2
83	Blender Machine	1
84	10 Head Multi Weigher Machine	1
85	Servo Auger Filler Machine with complete set up including conveyors, blowers and storage tanks	1







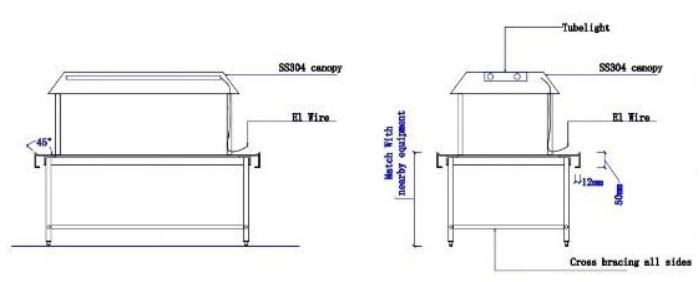


### Detailed technical specs of Plant and Machinery: -



S. No.	Particular	Qty.
1	<b>Inspection Table</b> Complete SS 304 Construction Easy Maintenance + Rigid Vibration free Construction Top Canopy fitted with high lux-tube lights Overall Dimensions – 0.6 M W x 2.5M L	2
2	<b>Shredder Machine</b> Use for dry finger chopping and convert in to 3 to 5mm size. Heavy duty MS construction with Powder Coating Capacity- 500Kgs /Hr Duly fitted with hardened still dual blades Dual Shaft Design with auto reverse mechanism Feed Hopper to guide material into cutting zone Heavy duty bearings with special seal top relevant leakage Discharge Conveyor with 1HP Geared Motor fitted with the machine provided with Dust Collection System Cyclone Blower fitted with 3 HP Motor +Air lock with 1 HP Motor Duly supplied with 20 HP Main Motor. Connected Load- 23 HP Overall Dimensions- 1.5 M W x 3.0 M L	1
<b>B. Turmeric Oil Section</b>		
3	<b>SS Charging Vessel (2000 Liters)</b> SS 316 Vessel constructed in two parts - Bottom Shell + Top Cover Bottom Shell made of SS 316 with 5mm thickness + overall mineral wool with cladding insulation to prevent any heat loss. Entire shell mounted on MS stand. Duly fitted with A) Steam Inlet and outlet Valve B) water inlet valve C) vapors outlet valve D) Bottom provided drain plug with control valve E) Pressure relief valve F) Pressure gauge G) Level indicator H) Overflow valve Top Cover made of SS 316 with 3mm thickness. Top Cover + Bottom Shell fitted with interlocking arrangement with heat seal to prevent any leakage Overall Dimensions- Dia 1.5 M x 3.5 M Total H	3
4	<b>Shell &amp; Tube Condenser</b> Shell & Tube design with MS Outer Shell + Inner SS 316 Tubes Vapors travels through the Inner Tubes + Cold water from Cooling to weirs passed through the Shell fitted within let and outlet valves Duly mounted on MS Stand Overall Dimensions-Dia 0.8 M x 2 M	3



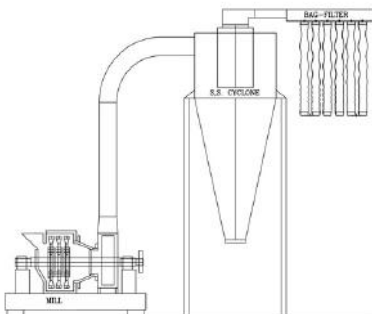
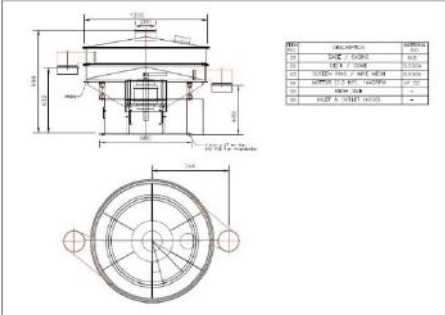
S. No.	Particular	Qty.
5	<p>Oil Water Separator            Constructed from SS 316+Vertical Gravity            Separator Design Duly fitted with Inlet+ oil Outlet Valves &amp; Water Outlet Valves, bottom            Outlet for removing any sediment or sludge Water gravitates towards the bottom and oil being lighter moves to the top and is extracted from thereby the outlet system            Overall Dimensions- 0.5 M x 0.5 M</p>	3
6	<p>Oil Storage Tank (50Liters)            Leak proof construction from SS 316 with cleaning door Storage Capacity of 50 Lit.            Duly fitted with Oil Inlet+ Drain Plug &amp;Level Indicator            Overall Dimensions-Dia 2'x 3'</p>	3
7	<p>Water Storage Tank (1000 Liters)            100% Virgin Plastic: For better strength, durability &amp; flexibility            • Food Grade Plastic with FDA Approval: Ensures safety &amp; hygiene of stored water            • Phthalate-Free Granules &amp; Additives: No cancer-causing materials are present            • 100% UV Stabilised Tank and Lid: Sun rays cannot reach the water; hence, no algae formation            • Threaded Lid: Heavy winds, birds and animals cannot open the lid, thus maintaining safety &amp; hygiene            • Two Layers: Outer (Black) for UV protection and Inner (Blue) to see water level easily            • Roto Moulding Manufacturing Process: Provides flexibility to take care of cyclical expansion and contraction due to temperature changes and filling/refilling of tank             Storage Capacity of 1000 Ltr            Duly fitted with Water Inlet+ Drain Plug</p>	4
8	<p>Cages (2 MT)            Constructed from SS 304 wire mesh or ss 304 sheet frame with heavy duty support. And provision of hook for pulley            Punch hole size less than crunched turmeric pieces            Capacity 2 MT each</p>	3
9	<p>Chain Pulley Block            With 2.5 Ton capacity</p>	1
<b>B1</b>	<b>Turmeric Oil Packaging Section</b>	
10	<p>Oil Pump            Chemical Resistant High Efficiency Pump - 0.5 HP Power Suitable for high viscosity liquids and corrosive liquids Low maintenance with continuous operation Sturdy Cast Iron body with inner anti-corrosive lining</p>	1

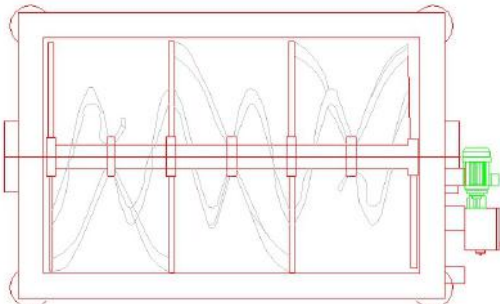
S. No.	Particular	Qty.
		
11	<p>Turmeric Oil Final Storage Tank  Leak proof construction from SS 316L with cleaning door Storage Capacity of upto 500 Lts  Duly fitted with Oil Inlet &amp; out let + Drain Plug &amp; Level Indicator  Overall Dimensions - Dia 2.75' x 3.5'</p> 	1
12	<p>Oil Filing Machine  Semi-Automatic Machine suitable for 50 to 1000 ml capacity  Dual Filing Head Design with a capacity of upto 1600 containers per Hr  Filling System with Flow Meter + Gear Pump  Suitable for HDPE/PET/Glass/Tin/Aluminum Containers Sensor attached for detecting no bottle - no filling  Special Nozzle with NRV Valve to prevent dropping leakage  All machine system movements are pneumatic based for better accuracy  HMI Screen with PLC Controller for machine operation (optional)</p> 	1
13	<p>Capping Machine  Semi-automatic Machine. Output of up to 2500 containers per Hr. Single sealing head design with adjustable height gauge for ease of setting. Motorised head movement with Front Control Panel Sealing pressure can</p>	1

S. No.	Particular	Qty.
	 <p>be varied based on different gauge &amp; size of caps</p>	
14	<p>Bottle Inspection Station Complete SS 304 Construction Easy Maintenance + Rigid Vibration free Construction Top Canopy fitted with high lux tube lights</p> 	1
15	<p>Labeling Machine Complete SS 304 Construction with capacity of upto 40 Bottles/min Suitable for Round/Square/Flat Bottle Labelling Accuracy upto +/- 0.5mm for Label Length - 15 to 380mm Max. Bottle Size - Length 15 to 270 mm. Dia. 30 to 100 mm</p> 	1
16	<p>Batch Printer Inkjet Batch Printer with a capacity of upto 1000 bottles per Hr Duly fitted with photo electric sensor and sensor bracket for Calypso Sturdy machine stands for Print Head to provide vibration less Operation</p> 	1

S. No.	Particular	Qty.
17	<p>Carton Packaging Machine</p> <p>Carton is fed manually to the machine, after which motorised conveyor moves the carton forward. Top &amp; Bottom dispensers paste the BOPP self - adhesive tape onto the cartons.</p> <p>Cutting Blades cut-off, the tape</p> <p>Sealing Capacity - Upton 3000 Cartons per hour *</p> 	1
18	<p>Packaging Belt Conveyor</p> <p>230 mm width conveyor belt with adjustable speed 6" Height SS rail to prevent bottle damage</p> <p>Geared Motor Drive System</p> <p>Food Grade PVC belt with support rollers</p> <p>Heavy duty unit bearings with simple belt tensioning mechanism</p> <p>Connected Load - 2 HP</p> <p>Overall Dimensions - 2' x 12'</p>	1
<b>B2</b>	<b>Turmeric water Section</b>	
19	<p>Water Pump</p> <p>Chemical Resistant High Efficiency Pump - 0.5 HP Power Suitable for high viscosity liquids and corrosive liquids Low maintenance with continuous operation</p> <p>Sturdy Cast Iron body with inner anti-corrosive lining</p> 	4
20	<p><b>Turmeric Water Final Storage Tank</b></p> <p>100% Virgin Plastic: For better strength, durability &amp; flexibility</p> <ul style="list-style-type: none"> <li>• Food Grade Plastic with FDA Approval: Ensures safety &amp; hygiene of stored water</li> <li>• Phthalate-Free Granules &amp; Additives: No cancer-causing materials are present</li> <li>• 100% UV Stabilised Tank and Lid: Sun rays cannot reach the water;</li> </ul>	1

S. No.	Particular	Qty.
	<p>hence, no algae formation</p> <ul style="list-style-type: none"> <li>• Threaded Lid: Heavy winds, birds and animals cannot open the lid, thus maintaining safety &amp; hygiene</li> <li>• Two Layers: Outer (Black) for UV protection and Inner (Blue) to see water level easily</li> <li>• Roto Moulding Manufacturing Process: Provides flexibility to take care of cyclical expansion and contraction due to temperature changes and filling/refilling of tank</li> </ul> <p>Storage Capacity of 2000 Ltr Duly fitted with Water Inlet+ Drain Plug</p>	
B3	<b>Drying Section</b>	
21	Slurry Collection Tray	1
22	Feed Hoper	1
23	<p>Screw Conveyor Complete SS304 construction with SS Helical Screw Central shaft with welded helical screw blades of uniform pitch Fitted with SS Feed Hopper and discharge chute Duly supplied with Geared Motor Drive System Connected Load-2HP</p> <p>Overall Dimensions- 1 M W x 4 M L</p>	1
24	Storage Silo (2 MT)	1
25	<p>Pusher Centrifuge</p> <p>Continuous Filtration for solid liquid separation in SS 304 Throughput - 300 to 500 Kgs /Hr (depending on feed slurry condition) Rotating assembly with Cartridge design to enable ease of operation Feed system with acceleration cone and annular cap ensures homogenous raw material distribution Single Piece reversible wedges lot screen for efficient separation Self-contained Hydraulic Piston drive for pusher shaft Main hollow shaft for basket duly mounted on heavy duty bearings Mechanical drive system with variable speed options Connected Load- 10 HP Overall Dimensions- 1.25 M x 2 M</p>	1
26	<p>Screw Conveyor Complete SS304 construction with SS Helical Screw Central shaft with welded helical screw blades of uniform pitch Fitted with SS Feed Hopper and discharge chute Duly supplied with Geared Motor Drive System</p> <p>Connected Load-2HP</p> <p>Overall Dimensions- 1 M W x 4 M L</p>	1
27	<p><b>Fluidized Bed Dryer or spin flash dryer</b></p> <p>Overall Size: 1.2 M W x 5 M L x 2.5 m H Complete SS 304 construction for all contact parts + ducting Duly Fitted with feed distributor system to ensure uniform feeding Dynamically balanced Centrifugal Blowers with Aer off oil design Drying Chamber fitted with temperature meters to measure Hot Air Inlet and Exhaust Gas temperatures in three drying zones Central Control Panel to monitor all dryer parameters + provide operation control</p> <p>Connected Load-6HP+Hot Air Fan-20 HP+ Cyclone Fan-5HP</p>	1
28	<p>Screw Conveyor</p> <p>Complete SS304 construction with SS Helical Screw Central shaft with welded helical screw blades of uniform pitch Fitted with SS Feed Hopper and discharge chute Duly supplied with Geared Motor Drive System</p>	1

S. No.	Particular	Qty.
	Connected Load-2HP Overall Dimensions- 1 M W x 4 M L	
29	Storage Silo (2MT) Complete SS 304 Construction with a capacity of up to 2 Tons with MS Structural Stand Overall Dimensions - 3M x 4 M	1
30	Screw Conveyor Complete SS304 construction with SS Helical Screw Central shaft with welded helical screw blades of uniform pitch Fitted with SS Feed Hopper and discharge chute Duly supplied with Geared Motor Drive System Connected Load-2HP Overall Dimensions- 1 M W x 4 M L	1
<b>C. Turmeric Powder Section</b>		
31	Universal Mill with Air Lock Complete SS304 Construction with 800 mm Dia Capacity- 400 to 600 Kgs /Hr*depending on fineness of powder Duly fitted with high tensile + easily removable hammer blades Dynamically balanced staggered rotor with impact plate and flow interrupters to ensure higher throughput and fine granulation Directly coupled motor to mimeses transmission loss Heavy duty bearings with special seal to prevent leakage Machine provided with SS Cyclone fitted with Air Lock + Bag Filter Cyclone Blower fitted with 2HP Motor + Air Lock with 1HP Motor Duly supplied with 15HP Main Motor. Connected Load - 18 HP Overall Dimensions-1.5 MW x 2M L	1
		
32	Vibro Screen Sorter 24" Complete SS304 Construction Duly fitted with high efficiency vibro motor. Connected Load-1 HP Vibro Tray mounted on high tensile springs to ensure uniform vibration	1
		
33	Screw Conveyor Complete SS304 construction with SS Helical Screw Central shaft with welded helical screw blades of uniform pitch Fitted with SS Feed Hopper and discharge chute Duly supplied with Geared Motor	1

S. No.	Particular	Qty.
	Drive System Connected Load- 2 HP Overall Dimensions- 0.8 M W x 3 M L	
34	<p>Blender Complete SS 304 Construction with U Trough and Ribbon Blades Capacity up to 500Kgs/Hr Ribbon blades in dual design with inner + outer sets Heavy duty bearings with special seal to prevent leakage Fitted with SS Feed Hopper+ Knife Gate Valve for Discharge Connected Load- 5HP Overall Dimensions- 1.5 M W x 2.25 M L</p> 	1
35	<p>Screw Conveyor Complete SS304 construction with SS Helical Screw Central shaft with welded helical screw blades of uniform pitch Fitted with SS Feed Hopper and discharge chute Duly supplied with Geared Motor Drive System Connected Load- 2HP Overall Dimensions- 0.8 M W x 3 M L</p>	1
36	<p>Turmeric Powder Storage Silo (2 MT) Complete SS 304 Construction with a capacity of up to 2 Tons With MS Structural Stand and two no's discharge chute Overall Dimensions-Dia. 1.25 M x 3 M H</p>	1
37	<p><b>Master Control Panel – PLC SCADA</b> Powder Coated IP 66 Grade Panel All Electrical accessories from L &amp; Tor Siemens Duly fitted with Cooling Fan All necessary meters fitted with the Panel In-Built Capacitor Bank</p>	1
38	Powder Packaging Machine - Existing	1
39	Powder Packaging Machine - Bulk	1
40	<p>Carton Packaging Machine Carton is fed manually to the machine, after which motorised conveyor moves the carton forward Top &amp; Bottom dispensers paste the BOPP self - adhesive tape onto the cartons. Cutting Blades cut-off, the tape Sealing Capacity – up to 3000 Cartons per hour *</p>	1
41	<p>Box Strapping Machine Carton is fed manually to the machine Low Table Height design to ensure ease of carton movement Auto Cut-Off Mechanism for Strap by foot control Strapping tool is characterized by new sealing blade for effective Closure. External Knob to adjust strap tension</p>	1



S. No.	Particular	Qty.																																										
D. Plant & Machinery - Cold Storage-100 MT																																												
42	<div>Cold Room 100 MT</div> <table><thead><tr><th>Particulars</th><th>Details</th></tr></thead><tbody><tr><td>Overall Size (Feet):</td><td>65x20x12 (Lxbxh)</td></tr><tr><td>Cold room size (Feet):</td><td>55x20x12 (Lxbxh)</td></tr><tr><td>ANTE room size (Feet):</td><td>10x20x8 (Lxbxh)</td></tr><tr><td>Door Size in Inch</td><td>34 X 78</td></tr><tr><td>Number of Doors</td><td>2 hinged (for cold room and ante room)</td></tr><tr><td>Incoming Temp. in Deg. C</td><td>+35</td></tr><tr><td>Final Room Temp.in Deg. C</td><td>+4 to +8</td></tr><tr><td>Required Ref. Capacity BTU/H</td><td>76211</td></tr><tr><td>Compressor Capacity</td><td>45000btu (13.2kw) per unit at +4 Deg C room temperature and 50Deg C condensing</td></tr><tr><td>Offered Ref. Capacity BTU/H</td><td>45000 x 2 = 90000btu</td></tr><tr><td>Refrigerant</td><td>R-404A</td></tr><tr><td>Condensing Unit Model</td><td>TH-AS-045-43 X 2nos</td></tr><tr><td>Condensing</td><td>AIR-COOLED</td></tr><tr><td>AIR-OFF CYCLE</td><td>AIR-OFF CYCLE</td></tr><tr><td>Evaporator</td><td>(TRUFROST ) HY-4526-048-PPX x 2nos. or equivalent</td></tr><tr><td>Ambient temperature</td><td>45 Deg. C.</td></tr><tr><td>Rom light</td><td>Each Room includes one set of light with Vapour proof light.</td></tr><tr><td>Panel</td><td>Thickness: 80mm PUF Panels 0.5mm Pre painted GI Sheet on both sides</td></tr><tr><td>Condensing Unit</td><td>Air cooled Condensing Units with Emerson Scroll Hermetic Compressors</td></tr><tr><td>Door</td><td>Door will be of given specifications with Flush and Swing type with jam protection. 2 Hinges per Door Panic exit device operating from inside, Built-in cylindrical lock</td></tr></tbody></table>	Particulars	Details	Overall Size (Feet):	65x20x12 (Lxbxh)	Cold room size (Feet):	55x20x12 (Lxbxh)	ANTE room size (Feet):	10x20x8 (Lxbxh)	Door Size in Inch	34 X 78	Number of Doors	2 hinged (for cold room and ante room)	Incoming Temp. in Deg. C	+35	Final Room Temp.in Deg. C	+4 to +8	Required Ref. Capacity BTU/H	76211	Compressor Capacity	45000btu (13.2kw) per unit at +4 Deg C room temperature and 50Deg C condensing	Offered Ref. Capacity BTU/H	45000 x 2 = 90000btu	Refrigerant	R-404A	Condensing Unit Model	TH-AS-045-43 X 2nos	Condensing	AIR-COOLED	AIR-OFF CYCLE	AIR-OFF CYCLE	Evaporator	(TRUFROST ) HY-4526-048-PPX x 2nos. or equivalent	Ambient temperature	45 Deg. C.	Rom light	Each Room includes one set of light with Vapour proof light.	Panel	Thickness: 80mm PUF Panels 0.5mm Pre painted GI Sheet on both sides	Condensing Unit	Air cooled Condensing Units with Emerson Scroll Hermetic Compressors	Door	Door will be of given specifications with Flush and Swing type with jam protection. 2 Hinges per Door Panic exit device operating from inside, Built-in cylindrical lock	1
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S. No.	Particular		Qty.
		with cam lock type self-closing door, Bottom of door provided with Sweeping rubber wiper sealing gasket, Vapour proof LED room lighting	
	Flooring:	Puf Slab 80mm by. PCC and Kota stone on top	
	Floor Level	making inner & outer floor in same level	
	<b>Other Important specifications and accessories provided are as under</b>		
	Temperature indicator	Digital type	
	Door Closing	Automatic Door Closing, using special Imported hinges and Door closure	
	Safety release knob	Safety release knob for opening the door from inside, even if door is closed from inside	
	Vision Glass	Vapour proof light Door Vision glass	
	evaporator	Ceiling mounted evaporator in Pre painted GI Casing,	
	<b>Important Features:</b>		
	➤ Wall to Wall & Wall to Ceiling Cam locking		
	➤ PVC Gaskets in in all Wall & Ceiling PUF Panels		
	➤ Air cooled Condensing Units with Emerson Hermetic Scroll Compressors with High CFM Evaporators		
	➤ CFC Free R-404a Refrigerant		
43	Cold Room Rack		1
E. Utilities			
44	Transformer 300 KVA & Panel		1
45	• Storage Racks (1200x450x1800mm)- Anti-rust Powder Coted construction • 18 GA 5 no's shelf bolted with uprights 16 GA slotted Uprights		10
46	Material Handling - Hydraulic Pallet truck		2
47	Cooling Tower with pump		1
48	Weighing Machines (100 Kg)		1
49	Piping and water utilities		1
50	Electrical Installation, Panels, Capacitor Bank etc.		1
51	Air Compressor with Pipeline		1
52	DG set – 160 KVA or suppliers calculate actual load of supplied		1

S. No.	Particular	Qty.
	equipments	
53	Non-IBR steam boiler- 2ton	1
54	MS Structure Heavy duty structure complete with corrosion resistant paint and suitable for working and machine installation as per layout. Provide stairs.	lot
55	Hot Air Blower FD fan- As per requirement of dryer capacity	1
56	Cold Air Blower- As per requirement of dryer capacity	1
57	Fire fighting	lot
58	Lab Equipment	1
59	RO plant- 1000 Ltr/Hr with membrane, filters, pipe and fittings and storage tanks for raw, fresh and wastewater.	1
<b>f. SPICES GRINDING LINE- 250 Kg per hr</b>		
	<b>Cleaning Section</b>	
60	Bucket Elevator Height 20 ft. with top & bottom, sheet cutting & bending With 1 HP Motor & Chain Coupling and Motor Base. Grilled roller magnets fitted on the main hopper of feeding material.	2
61	De-stoner Machine Complete in all respect fabricated from mild steel sheet, angle, channel flat fitted with 0.5 hp x 2 no's Vibro motors, It will remove the dust, stone, and big unnecessary particles.	1
62	Cyclone ø1150 All the lighter impurities will be collected from bottom side and through required to drop the pressure of air, which is coming from the blower. Grinded Material will settle down & goes to the packing & clean air will be diverted to the reverse jet filter. Fabricated from 2mm & 2.5mm M.S. sheet along with Angle & Flats.	
63	Airlock ø 150 mm & Geared Motor Stator And Rotor Made Of Cast Iron. Machining Done On Computerized Lathe Machine To Ensure The Clearance Of 100 Microns Rotor Dia 150mm. With 1 HP/50 RPM Geared Motor.	
64	Blower 7.5 HP Complete in all respect fabricated from carbon steel sheet, angle, channel flat. Fitted with static and dynamically balanced rotor. This blower has been provided for dust control at various points and Fitted with 4 No's vibration pad with 7.5 HP Motor	
65	Cleaning machine 3 Section cleaning machine with Drum Dia 900 mm fitted with 3 HP Geared Motor. It will separates the dust and impurities and unwanted particles from chilly and turmeric	1
66	Dryer Machine This will use for dry the material. Material of construction: M.S BodyFrame Channel -75 x 40 mm. , Size -16 ft. Dryer Drum –Ø 700 mm, Thickness - 3 mm, fitted with electric Motor -2 HP Operated from 5 Kw electric heaters and automatic cutoff control system.	1

S. No.	Particular	Qty.
67	<b>Conveyor ø 200 mm</b> Complete in all respect fabricated from mild steel, trough are made from 4 mm and u is made 2 mm, Blade thickness 2.5 mm, fitted with 1 hp gear motor.	1
	<b>Grinding Section</b>	
68	Screw Worm Complete in all respect. Fitted with 1 hp geared motor, this will use for material handling, passes the material to ACM machine. Magnets are fitted on the discharge point of the material.	1
69	ACM -600 Complete in all respect. All contact parts of the machine is fabricated from Stainless Steel material - SS- 304. Top cover of machine is made up from Aluminium alloy cast. Heavy duty steel structure along with 4 No's Anti Vibrating pads for machine. With 30 HP motor and 7.5 HP with Ac drive, 1 HP Motor.	1
70	<b>SS Cyclone 950</b> All the lighter impurities will be collected from bottom side and through required to drop the pressure of air, which is coming from the blower. Grinded Material will settle down & goes to the packing & clean air will be diverted to the reverse jet filter. Fabricated from 2mm & 2.5mm S.S. sheet along with Angle & Flats. Fitted with fibre Airlock and 1 HP Motor	1
71	MS Cyclone 950 All the lighter impurities will be collected from bottom side and through required to drop the pressure of air, which is coming from the blower. Grinded Material will settle down & goes to the packing & clean air will be diverted to the reverse jet filter. Fabricated from 2mm & 2.5mm M.S. sheet along with Angle & Flats. Fitted with fibre Airlock and 1 HP Motor.	1
72	Dust filter Fabricated from carbon steel sheet, angle, channel, and pipe wherever Necessary.	1
73	<b>Blower</b> Complete in all respect fabricated from carbon steel sheet, angle, channel flat. Fitted with static and dynamically balanced rotor. This blower has been provided for dust control at various points and fitted with 4 No's vibration pad with 20 HP Motor	1
74	Vibro Screen (SS) Complete in all respect fitted with 2 HP/960 RPM Vibro motor along with anti-chocking balls under the sieve to avoid chocking. Single deck and Ø of machine is ø 1000 mm All contact parts are made up from S.S.304 & base in M.S	1
75	Air Lock-150 Stator And Rotor Made of Stainless steel. Machining Done On Computerized Lathe Machine To Ensure The Clearance Of 100 Microns Rotor Dia 150mm. With 1 HP/50 RPM Geared Motor.	2
76	Magnets: - standard	2
77	Ducting Mild Steel SS Ducting E.g.- Reducer, Diffuser, Bend, Pipe Kali are Mild steel make	1 Lot
78	Ducting Stainless Steel	1 Lot

S. No.	Particular	Qty.						
	SS Ducting E.g.- Reducer, Diffuser, Bend, Pipe Kali are SS -304 make							
79	Electric Panel Standard make with MCV and contractor and overloadrelay with Vfd system on 10 Hp motor. Smaller motors controller system will apply on Solar system. It will be change automatically light electricity to Solar electricity	1 Lot						
80	Electric & Mechanical Fitting Standard	1 Lot						
81	Vibration Pads Suitable for ACM Machine	8						
82	Screw Worm Material construction: s.s. body For material handling fitted with 1 HP Motor.	2						
83	Blender Machine M.O.C: All contact parts – SS-Capacity 200 KG This will use for chilly polishing and for mix spice powder. Complete with in all respects fitted with 7.5 HP Gear Boxand Motor.	1						
	Packaging machine							
84	10 Head Multi Weigher Machine	1						
85	Servo Auger Filler Machine supplied with below items	1						
	<table><tr><td><b>Pneumatic Lift System</b></td><td><b>M.O.C : STAINLESS STEEL</b> This will uses to collect the powder and drop into the storage tanks, Pneumatic complete with cyclone, Feeder, B-Class Pipe, bend Airlock, Inspection glass Rubber, Tapeclamp, Floor Clamp, U-bolt etc.</td></tr><tr><td><b>Cyclone- ø750</b></td><td><b>MOC:MS</b> All the lighter impurities will be collected from bottom side and through required to drop the pressure of air, which is coming from the blower. Grinded Material will settle down &amp; goes to the packing &amp; clean air will be diverted to the reverse jet filter. Fabricated from 2mm &amp;2.5mm M.S. sheet along with Angle &amp; Flats.</td></tr><tr><td><b>Airlock-150</b></td><td><b>MOC: SS- 304</b> Stater And Rotor Made of Stainless steel. Machining Done On Computerized Lathe Machine To Ensure The Clearance Of 100 Microns Rotor Dia 150mm. With 1 HP/50 RPM Geared Motor.</td></tr></table>	<b>Pneumatic Lift System</b>	<b>M.O.C : STAINLESS STEEL</b> This will uses to collect the powder and drop into the storage tanks, Pneumatic complete with cyclone, Feeder, B-Class Pipe, bend Airlock, Inspection glass Rubber, Tapeclamp, Floor Clamp, U-bolt etc.	<b>Cyclone- ø750</b>	<b>MOC:MS</b> All the lighter impurities will be collected from bottom side and through required to drop the pressure of air, which is coming from the blower. Grinded Material will settle down & goes to the packing & clean air will be diverted to the reverse jet filter. Fabricated from 2mm &2.5mm M.S. sheet along with Angle & Flats.	<b>Airlock-150</b>	<b>MOC: SS- 304</b> Stater And Rotor Made of Stainless steel. Machining Done On Computerized Lathe Machine To Ensure The Clearance Of 100 Microns Rotor Dia 150mm. With 1 HP/50 RPM Geared Motor.	
<b>Pneumatic Lift System</b>	<b>M.O.C : STAINLESS STEEL</b> This will uses to collect the powder and drop into the storage tanks, Pneumatic complete with cyclone, Feeder, B-Class Pipe, bend Airlock, Inspection glass Rubber, Tapeclamp, Floor Clamp, U-bolt etc.							
<b>Cyclone- ø750</b>	<b>MOC:MS</b> All the lighter impurities will be collected from bottom side and through required to drop the pressure of air, which is coming from the blower. Grinded Material will settle down & goes to the packing & clean air will be diverted to the reverse jet filter. Fabricated from 2mm &2.5mm M.S. sheet along with Angle & Flats.							
<b>Airlock-150</b>	<b>MOC: SS- 304</b> Stater And Rotor Made of Stainless steel. Machining Done On Computerized Lathe Machine To Ensure The Clearance Of 100 Microns Rotor Dia 150mm. With 1 HP/50 RPM Geared Motor.							

S. No.	Particular		Qty.
	<b>Blower</b>	<b>MOC : MILD STEEL</b> Complete in all respect fabricated from mild steel sheet, angle, channel flat. Fitted with static and dynamically balanced rotor. This blower has been provided for dust control at various points and Fitted with 4 No's vibration pad with 7.5 Hp Motor	
	<b>Storage Tanks</b>	<b>MOC: SS- 304</b> Capacity of each tank 1.5 ton	
	<b>Feeding Conveyor</b>	<b>MOC: SS- 304</b> Complete in all respect fabricated from stainless steel, operated with 1 hp geared motor, this will passes the finish material to the tanks for storage with its three no's of outlet hoppers.	
	<b>Servo Augar Filler Packing Machine with automatic Screw Conveyor, Mixer and hopper</b>	Capacity: 35 GM to 1000 GM Filling System: Auger Filler Filling Accuracy: +/- 0.5 - 1.5 % Depends on Nature of Product Packing Material: Laminated Film Type Of Sealing: Centre Seal (By Collar) / 3 Side Seal Speed :Varies With The Nature Of Product & Filling Range Power : 3 KW 440 V / AC / Three Phase Additional device: Batch Coding Device Machine Size: 3.5 X 3.5 X 9 Ft (L X W X H) (Approx.) Machine Weight: 750 kg. (Approx.)	

### Utility Section

#### Boiler

Capacity – 2000 Kg/hr Including with below Accessories

Air Preheater

Multi Cyclone Dust Collector

Screw feeder

ID Fan & FD Fan

Feed Water Pump

Control Panel

Chimney

IBR File

And other require components for operation

NO.	DESCRIPTION	DETAIL
	UNITS	
1.0	Capacity of thermal oil heaters	2000 Kg/hr
	Model	CC-20
	Type of boiler	water tube cum Smoke tube type horizontal four pass packaged boiler
	Maximum outlet pressure	10.54 Kg/cm <sup>2</sup>
	Maximum outlet steam temperature @ 10.54 Kg/ cm <sup>2</sup>	186 °C
	Inspection authority	D.O.B of Gujarat State
	Steam condition	Dry saturated
	Steam dryness fraction	98 %
	Design code	IBR -1950
	FEED WATER PUMP	
2.0	Make of pump	Run well
	Flow	3.0 M <sup>3</sup> /hr
	Head	130 meter
	Motor H.P.	5.0 H.P. X 1440 RPM
	Make of motor	A.B.B./CROMPTON/SABAR
	I.D. FAN WITH MOTOR	
3.0	Make of I.D.	JALDHARA/LAXMI/JATIN
	Air flow	6000 M <sup>3</sup> /hr
	Air pressure	250 MMWG @ 180°C
	Power of motor	12.5 H.P. X 2880 RPM
	Make of motor	A.B.B./ CROMPTON/SABAR
	F.D. FAN WITH MOTOR	
4.0	Make of F.D.	JALDHARA/LAXMI/JATIN
	Air flow	3600 M <sup>3</sup> /hr
	Air pressure	350 MMWG @ 30°C
	Power of motor	7.5 H.P. X 2880 RPM
	Make of motor	A.B.B./ CROMPTON/SABAR
	S.F.D. FAN WITH MOTOR	
4.0	Make of F.D.	JALDHARA/LAXMI/JATIN
	Air flow	1200 M <sup>3</sup> /hr
	Air pressure	350 MMWG @ 30°C
	Power of motor	3.0 H.P. X 2880 RPM
	Make of motor	A.B.B./ CROMPTON/SABAR
	ELECTRICAL CONTROL PANEL	
5.0	Make of panel	Maps control
	Code	IP-42, dust proof
	Temperature indicator cum controller	'MULTISPAN'
	Contactor	SIEMENS
	Rely	SIEMENS
	Push button	TECHNIC
	Main switch	SIEMENS /SELECT

NO.	DESCRIPTION	DETAIL
	MCB	SIEMENS
	Wire	POLYCAB/RR CABLE
FUEL CONSUMPTION		
6.0	Wood Chips (3400 GCV)	426 Kg/Hr
	Crushed briquette (4500 GCV)	322 Kg/Hr
	Rice Husk (3000 GCV)	482 Kg/Hr
	Coal (5500 GCV)	263 Kg/Hr
THERMAL EFFICIENCY		
7.0	Efficiency as per BS845; 1984 Part-I, Indirect method	78 % On GCV based
TOTAL		CONNECTED POWER
8.0	Total heater connected power load	33.0 H.P.
FLUE GAS SIDE		
9.0	Flue gas outlet for ID fan outlet	200 mm X 300 mm (approx.)
	Flue gas outlet temperature at boilers outlet	150° C
10- FUEL QUALITY REQUIREMENT		
10.1	G.C.V. OF FUEL	
	Wood logs	3400 Kcal/Kg
	briquette	4500 Kcal/Kg
	Lignite	3000 Kcal/Kg
	Coal	5500 Kcal/Kg
10.2	SIZE OF FUEL	
	Less than 2 M.M.	02.0 %
	2.0 M.M. to 10.0 M.M.	05.0 %
	10.0 M.M. to 25.0 M.M.	13.0 %
	More than 25.0 M.M.	80.0 %
10.3	RE COMMENDED FUEL (its depend on fuel)	
	Fixed carbon	87 % to 90 %
	Moisture	8.0 to 12.0 %
	Maximum Co <sup>2</sup>	16 % to 18 %
	Sulphur	0.5 % to 0.7 %
	Volatile contain	8.0 % to 11.0 %
	Ash in fuel	0.2.5 to 0.5 %
11: - MAKE OF ITEM.		
11.1	PLATE	ASA 515/516 Gr. 70 B.Q.
11.2	TUBE	BS 3059 BOILER TUBE
11.3	VALVE	SANT/ ATAM /MAHAVIR.
11.4	PUMP	RUNWELL
11.5	PRESSURE SWITCH	INDFOSS
11.6	MOBREY	MALHOTRA
11.7	CONTACTORS	SEIMENS



NO.	DESCRIPTION	DETAIL
11.8	PANEL	POWDER COATED DUST PROOF
11.9	RELAY	SEIMENS
11.11	I.D. FAN	JALDHARA /THERMTECH
11.12	SAFETY VALVE	D.M.P / SAFECON / BRIGHTTECH
11.13	ELECTRICAL MOTOR	CROMPTON GREAVES / ABB / DELTA

### Air Compressor

Specification:		
#	Particulars	Details
1.	Horse Power	30 hp
2.	Tank Capacity	500 Lt.
3.	Dryer	Yes – Mounted
4.	Power Source	AC Three Phase
5.	Maximum Flow Rate	50-75 cfm
6.	Discharge Pressure	Upto 12 bar
7.	Motor Speed	800-900 Rpm
8.	Material	MS
9.	Operating Pressure	350-500 psi

### Generator – DG Set

Specification		
	Particulars	Details
1.	Fuel type	Diesel
2.	Power	160 KVA
3.	Cylinder	6
4.	Output	128 KW
5.	Voltage	230/415 – 50 Hz
6.	Cooling System	Liquid Cooled
7.	Battery	Maintenance Free 130 AH
8.	Current	222.59 Amp
9.	Specification	As per OEM



### Hydraulic Pallet Truck

- Capacity: Up to 200 Kg
- Specification: As per OEM.

Other Utilities



<b>Storage Racks</b> (1200x450x1800mm)	<ul style="list-style-type: none"> <li>• Anti-rust Powder Coted construction</li> <li>• 18 GA 5 no's shelf bolted with uprights</li> <li>• 16 GA slotted Uprights</li> </ul>
<b>Cooling Tower with pump</b>	Of suitable capacity as per plant requirement

<b>Piping and water utilities</b>	as per requirement (As per drawing)
<b>Electrical Installation, Panels, Capacitor Bank etc.</b>	As per requirement (As per drawing)
<b>Air Compressor with Pipeline</b>	Of suitable capacity as per plant requirement
<b>MS Structure</b>	As per drawing
<b>Hot Air Blower FD fan</b>	Of suitable capacity as per plant requirement
<b>Cold Air Blower</b>	Of suitable capacity as per plant requirement
<b>Ducting</b>	As per requirement (As per drawing)
<b>Fire fighting</b>	As per requirement (As per drawing)
<b>Lab Equipment</b>	Hafed will share the specific requirements, once the plant is being commissioned, the estimation is Rs.10 lacs
<b>RO plant</b>	1000 liter per hour with storage SS tank and all accessories

**Note: The above specifications are broad based, and supplier/ contractors can modify according to their standards, however, the per day output and batch capacity and overall process design should remain same.**

**Bidders are required to submit the shop drawings of custom fabricated equipment and submit catalogue for standard equipment.**

**Successful Bidder must submit the revised layout plans as per the actual equipment and available space at site, after site visit and get these approved from PMC, before commencement of work.**

**ANNEX-1**

**COST OF BID DOCUMENT AND BID EMD DECLARATION**

**Tender ID.....**

**Date of opening**

**Name of the tender:**

Cost of bid document and Bid EMD as required by this Tender ID **No:-----**  
**-----)** are being submitted in the form of Debit Card, Net Banking and RTGS/NEFT/ or  
Over the Counter(OTC)

Amount\_\_\_\_\_

Details of RTGS/NEFT

\_\_\_\_\_

**Bid EMD**

Amount\_\_\_\_\_

Details of RTGS/NEFT

\_\_\_\_\_

**Signature of the Bidder**

**Name & Address with stamp**

**ANNEX -2**
**TECHNICAL BID**

<b>S.N.</b>	<b>Particulars</b>	<b>Proof to be uploaded</b>
1	Certificate from the proprietor/partner/firm authorizing firm's representative to sign/participate in opening and negotiation of the tender (signature duly attested).	Self attested certificate.
2	GST registration certificate.	Copy of registration.
3	PAN card.	Copy of PAN card.
4	<p>Bidder must have sufficient experience of Design, Manufacturing, Supply, Installation, Testing and Commissioning of</p> <p><b>A. TURMERIC OIL EXTRACTION PLANT OF 3 MT TURMERIC PROCESSING CAPACITY PER DAY. THE TURMERIC OIL PACKAGING LINE PROPOSED FOR SMALL BOTTLES. TURMERIC POWDER PROCESSING PLANT OF 2.4 MT PER DAY BASED ON RAW MATERIAL INPUT AFTER OIL EXTRACTION.</b></p> <p><b>B. COLD STORE OF 100 MT CAPACITY</b></p> <p><b>C. 2 MT MULTI SPICES PROCESSING PLANT</b></p> <p style="text-align: center;"><b>Or</b></p> <p>Bidder should have at least one project experience of manufacturing / supply and commissioning of steam Distillation/Spices grinding plants/ equipment, dehydration/drying process technology plant/ sugar syrup plant &amp; equipment.</p>	Copy of registration / certificate of incorporation of the bidder firm/company etc. and related work experience in past.
5	Original/downloaded tender document duly filled in, signed & stamped by the bidder or his authorized representative.	Copy of certificate be uploaded/ provided.
6	Bidder should have average turnover of Rs. 5.00 Crores per annum during last three financial years	Copy of CA certificate be provided / uploaded.
7	In case of EPC company bidding, Latest/ valid authorization from the principal	Certificate to be provided/ uploaded

	company/Manufacture of the plant and machinery is required to be submitted, if applicable. However, in case plant manufactures is bidder, relevant certificate from Government, Specific to the plant and machinery as per the BOQ will be required to be submitted.	
8	Bidder must not be blacklisted by any Central/ State Department / organization.	Self attested undertaking be provided/ uploaded.
9	The bidder should be registered with appropriate authority under income tax department, GST Department as applicable	Copy of required certificates be provided/ uploaded.
10	The Bidder should have its own Bank Account	Copy of Bank details be provided/ uploaded.

1. Business Name and constitution of the Bidder firm. Also state if the firm is registered under
  - i) The Indian Companies Act, 1956
  - ii) The Indian Partnership Act, 1932
  - iii) Any act, if not, who are the owners. (Please give full Names and Address)

2. Whether the Bidder firm is/ are
  - i) Manufacturer / Contractor / EPC
  - ii) Manufacturer's Authorized agent

**Note:** In case of being Manufacturer's Agent/EPC, enclose a copy of latest Manufacturer's Authorization along with the Tender.

3. For partnership firms state whether they are registered or not registered under Indian Partnership Act. 1932. Should the answer to this question by a partnership firm be in the affirmative, please state further:-
 

Whether by the partnership agreement authority to refer disputes concerning the business of the partnership to arbitration has been conferred on the Partner who has signed the tender.

If the answer to above is in the negative, whether there is any general power of attorney executed by all the partners of the firm authorizing the partner who has signed the tender to refer dispute concerning business of the partnership to arbitration.
4. Bidder should have sufficient experience manufacturing and supply in food or spices processing equipment.
5. Bidder should have at least one project experience in steam distillation/Spices Oleoresin process.

6. Bidder should have experience in dehydration/drying process technology through mechanical/ tunnel/ bed dryer.
7. Bidder should have experience in spices and food cleaning /grinding /blending process line.

Signature of witness

Signature of Bidder

Full Name and Address of Witness

## ANNEX-3

### INCOME TAX RETURN & PAN NUMBER

**Tender ID:**

**Date of opening:**

**Name of the Bidder:**

Copies of IT Returns, PAN Number, GST Registration as required by this Tender Enquiry are being submitted along with this tender as per details given below.

Sl. No.	Description	Remarks
i.	Copies of Income Tax Returns for the Assessment Years (For last three years)	
ii.	Copy of Permanent Account Number	
iii.	Copy of GST Registration number	
iv.	Any other	

**Signature of the Bidder**

**Name & Address with stamp**



**ANNEX-4****UNDERTAKING ON NON-JUDICIAL STAMP PAPER OF Rs. 100/-.****Tender ID****Date of opening:**

I/ We M/s \_\_\_\_\_ hereby declare that:

1. I/ we am/are agency engaged in business of \_\_\_\_\_ have examined the above-mentioned tender document including amendment/ corrigendum (if any) the receipt of which is hereby confirmed.
2. I/ we do hereby offer for appointment of **AGENCY for DESIGN, MANUFACTURING, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF**

**A. TURMERIC OIL EXTRACTION PLANT OF 3 MT TURMERIC PROCESSING CAPACITY PER DAY. THE TURMERIC OIL PACKAGING LINE PROPOSED FOR SMALL BOTTLES. TURMERIC POWDER PROCESSING PLANT OF 2.4 MT PER DAY BASED ON RAW MATERIAL INPUT AFTER OIL EXTRACTION.**

**B. COLD STORE OF 100 MT CAPACITY**

**C. 2 MT MULTI SPICES PROCESSING PLANT**

3. I/we have quoted rates /percentage of service charges inclusive of all statutory taxes, charges & compliances i.e. EPF, ESI, etc. as applicable.
4. I/ we agree to abide by my/our offer for a period of 60 days from the date of opening of the tender.
5. I/ we have carefully read and understood all the Terms and Conditions of the Tender and shall abide by them.
6. I/we agree for the all clauses and payment terms and conditions of this tender enquiry. In case any condition put forth by us is against the terms and conditions of tender, the same shall be treated as to be having no affect whatsoever and that the tender terms and conditions shall only prevail upon such conditions, if any.
7. I/ we have necessary licenses/ authorizations for the providing of said services and of the equipment/ devices and/or obtain the same at its costs and expenses as and when required and/or obtain the same at my/our costs and expenses as and when required.

8. I/We declare that we have necessary infrastructure/tie up for the installation of Turmeric process plant and enough manpower to cater to any additional need of Client on short notice, if any such need arises in the tenure of the contract.
9. I/ we also declare that in case of change constitution of our firm or for any other change, merger, dissolution, insolvency etc. shall be immediately brought to the notice of client. In such case the continuing Partner(s), Administrator, permitted assigns shall be responsible to meet the liabilities under this tender/contract.
10. The tender document has been downloaded from the official website for bidding purpose is a true copy of the original.
11. Our firm or any other firm with similar type of operation with same or some/one of the partners/proprietors being same as of the tendering firm has not been black listed in the past 3 years by any Government/ private institution. If there is any such case of blacklisting / unsatisfactory service, please attach the details of the same.
12. I/we also certify that that there is no vigilance/ CBI case pending against the Bidder firm/ Agency/ or any other firm with similar type of operation with same or some/one of the proprietors being same as of the tendering firm. If there is any case, please attach the details of the same.
13. I/we also certify that that there is no pending case for payment/ civil liability pending against us in any of the courts. If there is any case, please attach the details of the same.
14. I/We hereby undertake that the above-mentioned information is correct to the best of my knowledge and belief and nothing has been concealed deliberately / inadvertently. In case any of the above information is found to be false, the Institute reserves the right to cancel the tender at any stage even after the award of the tender, without assigning any reason thereof.

**Signature of the Bidder**

**Name & Address with stamp**

**Annex-5**
**Compliance Statement**
**Tender Document ID No: -**
**Date of opening on: .....**
**Name of the Equipment DESIGN, SUPPLY, INSTALLATION, TESTING, AND COMMISSIONING of**

**A. TURMERIC OIL EXTRACTION PLANT OF 3 MT TURMERIC PROCESSING CAPACITY PER DAY. THE TURMERIC OIL PACKAGING LINE PROPOSED FOR SMALL BOTTLES. TURMERIC POWDER PROCESSING PLANT OF 2.4 MT PER DAY BASED ON RAW MATERIAL INPUT AFTER OIL EXTRACTION.**

**B. COLD STORE OF 100 MT CAPACITY**

**C. 2 MT MULTI SPICES PROCESSING PLANT**

Specifications as per the tender documents	Specifications of the offered Equipment	Compliance (Yes or No)	Deviations (In Unambiguous Terms)

**Signature of the Bidder**
**Name and Address with seal**



**THE HARYANA STATE COOPERATIVE SUPPLY  
AND MARKETING FEDERATION LIMITED**

Corporate office, sector 5, Panchkula Haryana  
(India)

Tel: 2590520-24, FAX: 2590711 E. Mail:

[hafed@hry.nic.in](mailto:hafed@hry.nic.in)

Web-site: [www.hafed.gov.in](http://www.hafed.gov.in)

**Annex.6**

**FINANCIAL BID**

Name of tenderer: \_\_\_\_\_

Address: \_\_\_\_\_

**Subject : Price Quote for DESIGN, MANUFACTURING, SUPPLY, INSTALLATION,  
TESTING AND COMMISSIONING OF**

**A. TURMERIC OIL EXTRACTION PLANT OF 3 MT TURMERIC PROCESSING  
CAPACITY PER DAY. THE TURMERIC OIL PACKAGING LINE PROPOSED  
FOR SMALL BOTTLES. TURMERIC POWDER PROCESSING PLANT OF 2.4  
MT PER DAY BASED ON RAW MATERIAL INPUT AFTER OIL EXTRACTION.**

**B. COLD STORE OF 100 MT CAPACITY**

**C. 2 MT MULTI SPICES PROCESSING PLANT**

S. No.	Description of item	Amount in (Rs.)	
		In figures	In words
1	Design, Manufacture, Supply, Installation, Commissioning and Testing of <b>A. TURMERIC OIL EXTRACTION PLANT OF 3 MT TURMERIC PROCESSING CAPACITY PER DAY. THE TURMERIC OIL PACKAGING LINE PROPOSED FOR SMALL BOTTLES. TURMERIC POWDER PROCESSING PLANT OF 2.4 MT PER DAY BASED ON RAW MATERIAL INPUT AFTER OIL EXTRACTION.</b>  <b>B. COLD STORE OF 100 MT CAPACITY</b>		

S. No.	Description of item	Amount in (Rs.)	
		In figures	In words
	<b>C. 2 MT MULTI SPICES PROCESSING PLANT</b>  Note:- Including 3 months O&M for above said plants (A, B & C )		
	<b>D. Civil &amp; Electrical Work as per BOQ</b>		
2	Packing & forwarding		
3	GST @		
4	Entry Tax/Any other charges, if any		
5	Transportation Charges including insurance charges and all applicable taxes		
6	Installation, testing & commissioning charges for require Equipment and utilities as per specification & drawing enclosed.		
7	GST on (5 and 6 ) if applicable		
8	Total cost (1) to (7)		

#### Notes:

- 1) Tenderer shall provide information regarding Fuel/power/maintenance/ user manual.
- 2) The Tenderer for which total cost of equipment quoted is found lowest shall be L-1.
- 3) Tenderer should indicate clearly whether the tax mentioned above is against any concessional form. In case the concessional form is not provided, the rate of tax should be mentioned.
- 4) Bidder should quote the most competitive rates with conformity to the specifications and commercial stipulations given in the tender in the very instance least they run and risk of losing out in absence of negotiations.
- 5) The rate must be written both in words and figures. There should be no erasures and or over writings, correction, if any, should be made clearly and initialed with date. In case if there is variation observed in the rates in between words & figures, the words shall be considered.
- 6) The conditional offer which affects the rate of quoted item shall be liable for rejection even the rate is lowest.
- 7) These rates are valid for 60 days from the date of opening of price bid.

Signature with seal of tenderer  
(In token of acceptance of above)