



THE HARYANA STATE COOPERATIVE SUPPLY AND MARKETING FEDERATION LIMITED

CORPORATE OFFICE, SECTOR 5, PANCHKULA HARYANA (INDIA)

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Web-site: www.hafed.gov.in

Short term e-tender notice for purchase of edible oils.

Hafed invites short term e-tender for purchase of following edible oils F.O.R. Hafed Oil Mills, Rewari & Narnaul strictly as per Hafed specifications:

S.N.	Name of Oil	HOM, Rewari/ Narnaul
1	Kachchi Ghani Mustard Oil as per Agmark Grade-1 specifications	250 MT
2.	Kachchi Ghani Mustard Oil as per Agmark Grade-1 specifications packed in 1 liter bottle.	2.5 lac bottles
3.	Refined Soyabean Oil	100 MT
4.	Refined Cottonseed Oil	40 MT

Hafed is interested to purchase 250 MT loose oil Kachchi Ghani Mustard Oil as per Agmark Grade-1 specifications and 2.5 lac one litre bottle of Kachchi Ghani Mustard Oil (as per Agmark Grade-1 specifications Annexure-III) ,Further one liter bottle of Kachchi Ghani Mustard Oil is required to be packed in 12x1 litres corrugated boxes. Interested bidders may submit the rates online for loose mustard Oil as well as in one litre packed bottle separately in the financial bid format. The tender document containing details of required quantity, specifications etc. and other terms & conditions are available on portal <https://haryanaeprocurement.gov.in> or at Hafed Website www.hafed.gov.in. The parties / bidders can submit their bid through e-Tender portal as per dates given below:

Downloading of Tender Document / Online Bid preparation & Online transfer of tender document fee of Rs.1500/-	06.04.2018 to 17.04.2018
Submission of online Bid	19.04.2018 upto 11:00 AM
Opening of Technical bid	19.04.2018 at 11:00 AM
Opening of Financial bid	19.04.2018 at 02:00 PM

All bidders are required to get register on e-tendering portal & obtain Digital Signature from M/s Nextenders (India) Pvt. Ltd, Panchkula. Technical & Financial bids will be opened at Hafed Corporate Office, Sector-5, Panchkula (Haryana) and negotiations will be held as per CVC Guidelines/Govt. instructions. All the bidders are requested to be present at the time of opening of the tender for negotiations. Hafed reserves the right to accept/reject any/all the tenders or increase/decrease the tendered quantity without assigning any reason whatsoever.

General Manager,
Hafed Oil Mill, Narnaul/Rewari

Detailed Notice Inviting Short Terms e-Tender

Hafed invites short term e-tender for purchase of various edible oils in single stage two cover systems. Under this process, the Technical Bid Application as well as online Price Bid shall be invited at single stage under two covers i.e. Technical Bid & Commercial Envelope. Eligibility of the Bidders will be first examined based on the details submitted online under first cover (Technical) with the request to eligibility and qualification criteria prescribed in the Tender document. The Price Bid under the second cover shall be opened for only those bidders whose Technical Applications are responsive to eligibility and qualifications requirements as per Tender document.

- 1. The payment for Tender Document Fee and e-Service Fee shall be made by the parties online directly through Debit Cards & Internet Banking Accounts. Please refer to 'Online Payment Guideline' available at the Single e-Procurement portal of GoH (Govt. of Haryana) and also mentioned under the Tender Document.**
2. Intended parties will be mandatorily required to online sign-up (create user account) on the website <https://haryanaeprocurement.gov.in> to be eligible to participate in the e-Tender. **He/ She will be required to make online payment of tender document and e-service fee in due course of time. The intended parties who fail to pay requisite fee under the stipulated time frame shall not be allowed to submit his/her bids for the respective event/Tenders.**
3. The interested parties/bidders must remit the **funds as per schedule given under Key Dates and make payment via online directly through Debit Cards & Internet Banking Accounts to the beneficiary account number.**

The intended party 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://haryanaeprocurement.gov.in>.

The interested parties/bidders shall have to pay mandatorily e-Service fee (under document fee – Non refundable) of Rs.1000/- (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 each tender fee (Rs.500/-) and e-Service fee (Rs.1000/-) can be made by eligible parties online directly through Debit Cards & Internet Banking.

The interested parties/bidders must remit the funds of the respective events and make payment online directly through Debit Cards & Internet Banking Accounts to the beneficiary account number.

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

Key Dates

Sr. No.	HAFED Stage	Party Stage	Date & Time
1		(i) Downloading of Tender Document / Online Bid Preparation. (ii) Online directly transfer of funds of Rs.1500/- through online directly through Debit Cards & Internet Banking Accounts (Tender document fee Rs.500/-, e-Service fee Rs.1,000/-)	From 06.04.2018 to 17.04.2018
2	-	Submission of online Bid	19.04.2018 upto 11:00 AM
3	Opening of Technical Bid	-	19.04.2018 upto 11:00 AM
4	Opening of Financial Bid	-	19.04.2018 upto 02:00 PM

Important Note:

- 1) The parties/bidders have to complete 'Application/Bid Preparation & Submission' stage on scheduled time as mentioned above. If any party/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) Party/Bidder must confirm & check his/her Application/bid status after completion of his/her all activities for e-bidding.
- 3) Party/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 PARTY/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 parties/bidders intending to participate in the tenders process online are required to get registered on the centralized e-Procurement Portal i.e. <https://haryanaeprocurement.gov.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 party/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 / Post Master / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – <https://haryanaeprocurement.gov.in>.
- 2.3** The parties/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 party/bidder must ensure that he/she comply by the online available important guidelines at the portal <https://haryanaeprocurement.gov.in> for Digital Signature Certificate (DSC) including the e-Token carrying DSCs.

**M/s Nextenders (India) Pvt. Ltd.
O/o. DS&D Haryana,
SCO-09, IInd Floor,
Sector-16,
Panchkula-134108**

E-mail: Chandigarh@nextenders.com

Help Desk: 0172-2582008-09, 2618292 &
1800-180-2097 (**Toll Free Number**)

- 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 the company.

3. **Opening of an Electronic Payment Account:**

For purchasing the tender documents online, parties/bidders are required to pay the tender documents fees online using the electronic payments gateway service shall be integrated with the system very soon till then it will be submitted manually. For online payments guidelines, please refer to the Home page of the e-tendering Portal <https://haryanaeprocurement.gov.in>.

4. **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 Nextenders (India) Pvt. Ltd. or downloaded from the home page of the website - <http://haryanaeprocurement.gov.in>. The link for downloading required java applet & DC setup are also available on the Home page of the e-tendering Portal.

5. **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://haryanaeprocurement.gov.in>.

6. **Download of Tender Documents:**

The tender documents can be downloaded free of cost from the eProcurement portal <https://haryanaeprocurement.gov.in>

7. **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 parties/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.

8. **Online Payment of Tender Document Fee, e-Service fee & Bid Preparation & Submission (Technical & Commercial/Price Bid):**

- 8.1 **Online Payment of Tender Document Fee + e-Service fee:** The online payment for Tender document fee, e-Service Fee can be done using the secure electronic payment gateway. The Payment for Tender Document Fee and eService Fee shall be made by parties/bidders/Vendors online directly through Debit Cards & Internet Banking Accounts

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

8.2 PREPARATION & SUBMISSION OF online APPLICATIONS/BIDS:

- (i) Detailed Tender documents may be downloaded from e-procurement website (<https://haryanaeprocurement.gov.in>) and tender mandatorily be submitted online following the instruction appearing on the screen.
- (ii) Scan copy of Document to be submitted/uploading for Technical bid under online Technical Envelope. The require 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.

A. Only Electronic Form (Refer Tender document).

FINANCIAL or Price Bid PROPOSAL shall be submitted mandatorily online under Commercial Envelope and original not to be submitted manually)

NOTE:-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://haryanaeprocurement.gov.in>.

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

In the first instance, the online payment details of tender document fee + e-Service & Technical Envelope shall be opened. Henceforth, financial bid quoted against each of the item by the shortlisted bidder/party/Agency

wherever required shall be opened online in the presence of such parties/bidders/Agency who either themselves or through their representatives choose to be present.

The bidder can submit online their bids as per the dates mentioned in the schedule/Key Dates above.

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

Post registration, Party/bidder shall proceed for bidding by using both his digital certificates (one each for encryption and signing) & Password. Bidder/Party 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:

- A. Debit Card
- B. Net Banking

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. The e-Procurement portal also generates a receipt for all successful transactions. The bidder can take a print out of the same,
- (ix) 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.
The e-Procurement portal also generates a receipt for all successful transactions. The bidder can take a print out of the same.
- (xi) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

Requirement of following edible oils on F.O.R. basis at Hafed Oil Mill, Rewari & Narnaul.

S.N.	Name of Oil	HOM, Rewari/ Narnaul
1	Kachchi Ghani Mustard Oil as per Agmark Grade-1 specifications	250 MT
2.	Kachchi Ghani Mustard Oil as per Agmark Grade-1 specifications packed in 1 liter bottle.	2.5 lac bottles
3.	Refined Soyabean Oil	100 MT
4.	Refined Cottonseed Oil	40 MT

Hafed is interested to purchase 50% of Kachchi Ghani Mustard Oil (as per Agmark Grade-1 specifications) of the tendered quality i.e. 2.5 lac one litre bottle (as per Hafed's specification-Annexure-III) Further one liter bottle of Kachchi Ghani Mustard Oil is required to be packed in 12x1 litres corrugated box. Interested bidders may submit the rates online for loose mustard Oil as well as in one litre packed bottle separately in the financial bid format.

Terms and Conditions of e-Tender:

1. The offer will be received through e-tender only those traders who have valid license of manufacturing/trading. In case of supply of Kachchi Ghani Mustard Oil as per Agmark Grade-1 specifications.
2. Copy of manufacturing license is required from the bidders of Mustard Oil Kachchi Ghani as per Agmark Grade-I specifications.
3. The offered rates of edible oil should be inclusive of GST, F.O.R. HOM, Rewari/Narnaul.
4. **The offered rate will be finalized after following proper procedure on the same day of the opening of the tender and will be informed immediately to the concerned party accordingly on phone. The tendered quantity may be increased/decreased keeping in view requirement of the oil mills.**
5. The supplies will have to be made as per requirement of the Mills i.e. within 15 days from the acceptance of rate by the Tender Committee/supply order. For delaying in supply, penalty @ 1% per week or part thereof shall be imposed subject to maximum of 2% failing which Hafed have the liberty to make purchases from any other source at the risk and cost of the party. However, GM Narnaul/Rewari can extend the delivery period in case of any eventuality.
6. **Levies:** In case Govt. increases/decreases the GST during pendency of the rate contract, similar effect will be made on the rates quoted by the tenderer.

Payment terms:

7. a) Sample analysis for all other parameters as per FSSAI requirements will be got done from outside FSSAI/NABL/Fare Lab/Agmark approved labs after analysis at in-house lab at HOM Rewari/Narnaul as per facility available on receipt of the material, whereas lab analysis of Vitamin A & D will be got done from other FSSAI/NABL/Fare Lab/Agmark approved labs of repute.
- b) **In case of fortified oils:** 90% payment will be released by Hafed Oil Mills, Narnaul/Rewari within 5 working days of receipt of stocks after OK and satisfactory test report of Vitamin A & D from outside lab and after OK results of all other parameters at in-house of HOM Rewari/Narnaul as per facility available. Balance 10% payment will be released within 10 days after receipt of OK test report of all parameters from outside FSSAI/NABL/Fare Lab/Agmark approved labs, which will be binding on both the parties.

Cash discount of Re. 0.50 per 100/- rupees will be deducted on 100% payment, if 90% payment is made by the mills within 5 working days.

- 8 The weighment of the Tanker will be made on Hafed weighbridge and its weight will be final. However, if party disagrees than weighment will be made at second weighbridge and average weight only be taken, if the difference in both the weighbridge weight is not more than 40kg. If it will exceeds 40 Kg, then weight will be made at third weighbridge and average of two closer weighbridges weight will be taken as and that will be acceptable to both i.e. suppliers and Hafed.
- 9 On receipt of the oil in Hafed Oil Mill, Narnaul/Rewari, four samples will be drawn in the presence of committee constituted by HO time to time along with the representative of the party. Out of these four samples one sample will be sent to outside FSSAI/NABL/FareLab/Agmark approved labs for analysis according to Hafed specifications as per annexure(s) and in case of FFA & PV: single rebate= 1% quality cut of bill amount, double rebate=2% quality cut of bill amount), second sample will be kept by mill for in-house Lab. testing, third as referee sample and fourth sample will be given to the representative of the supplier. In case party is not satisfied with the result of outside lab report then only after written request of party within 3 days of receipt of outside lab report, referee sample will be sent to another FSSAI/NABL/Fare Lab/Agmark approved labs and average of two closer labs results will be taken as and that will be acceptable to supplier and Hafed. The payment of referee sample will be deducted from supplier account.
- 10 The offered rates of edible oil should be included all taxes & on F.O.R. basis at HOM, Narnaul and Rewari.
- 11 **NEGOTIATIONS:**
The negotiations will be held as per CVC Guidelines/Govt. instructions. All the bidders are requested to be present at the time of opening of tender for negotiations.
- 12 **ARBITRATION:**
In case of any dispute the matter shall be referred to the Sole Arbitration of the MD, Hafed or his/her nominee, whose decision shall be conclusive and binding on both the parties.

Jurisdiction: The jurisdiction will be the concerned court at Narnaul / Rewari.

TECHNICAL BID:

Following documents are to be uploaded in the Technical Bid for supply of edible oils:

Sr. No.	Particulars	Remarks
1	Authority letter for signing all documents on behalf of the company/firm	
2	Copy of Manufacturing / Trading license	
3	Copy of manufacturing license of Mustard Oil Kachchi Ghani as per the Agmark Grade-I specifications.	(For bidders of Kachchi Ghani Mustard Oil as per Agmark Grade-1 specifications)
4	Copy of FSSAI valid license no.	
5	Copy of the PAN Card	
6	Copy of the GST Registration certificate.	
7	Certificate regarding acceptance of all the terms and conditions as mentioned in the tender document.	

FINANCIAL BID:

(FINANCIAL BID WILL BE OPENED OF THOSE BIDDERS WHO WILL QUALIFY IN TECHNICAL BID)

1. The offered rates of edible should be included GST/all taxes & F.O.R. basis at HOM, Narnaul and Rewari.
2. The single F.O.R. rates shall be applicable for each oil for both the mills. The bids with different rates shall not be accepted.

Financial bid for loose Oil				
Sr. No.	Name of edible oil	Required Quantity (in MT)	Offered Quantity (in MT)	Offered Rate (Rs. per MT including GST/all taxes and F.O.R. at Hafed Oil Mills)
1	Kachchi Ghani Mustard Oil as per Agmark Grade-1 specification <u>F.O.R. Hafed Oil Mill, Rewari and Narnaul</u>	250		
2	Refined Soyabean Oil, F.O.R. Hafed Oil Mill, Rewari and Narnaul	100		
3	Refined Cottonseed Oil, F.O.R. Hafed Oil Mill, Narnaul	40		

Financial bid for Kachchi Ghani Mustard Oil (as per Agmark Grade-1 specifications) packed in one litre bottle (as per Hafed's specification- Annexure-III) Further one liter bottle of Kachchi Ghani Mustard Oil is required to be packed in 12x1 litres corrugated boxes.

Sr. No.	Name of edible oil	Required Quantity	Offered quantity in one litre bottle further packed in 12*1 litres corrugated boxed (No. of bottles)	Offered rate in one litre bottle further packed in 12*1 litres corrugated boxed (Rs. Per bottle including GST/all taxes and F.O.R. basis at Hafed Oil Mills)
1	Kachchi Ghani Mustard Oil as per Agmark Grade-1 specification <u>F.O.R. Hafed Oil Mill, Rewari and Narnaul</u>	2.5 lacs in 1 liter bottle.		

Annexure-I

Specifications for Kachchi Ghani Mustard Oil Agmark Grade-1

Sr. No.	Parameter	Value	Quality Cut
1	Moisture & Insoluble Impurities %age by wt.	0.25 Max.	---
2	Colour in 1/4" cell (Y+5R)	50 Units Max.	---
3	Specific gravity (30/30c)	0.907-0.910	---
4	Refractive index at 40 °c	1.4646-1.4662	---
5	Saponification value	168-177	---
6	Iodine value	98-112	---
7	USM %age by wt.	1.20 Max.	---
8	Acid value (%age by wt.)	1.50 Max.	>1.5% to 1.8% quality cut be Rs.100/-per MT & > 1.8 to 2.0% - quality cut be Rs.200/-per MT
9	Bellier test (Turbidity Temp)	23 – 27.5 °c	---
10	Poly Bromide test	Negative	---
11	Test for Hydrocyanic Acid	Negative	---
12	Test for Argemone Oil (TLC)	Negative	---
13	Test for Mineral Oil (TLC)	Negative	---
14	Test for Rancidity	Negative	---
15	Suspended and Foreign Matter	Negative	---
16	Taste and flavour	Characteristic	---
17	%age of Natural Oil (as ATC) wt. %age	0.27-0.60	Below 0.27% to 0.25% quality cut be Rs.100/-per MT, Below 0.25% to 0.20 quality cut be Rs.200/-per MT
18	Shelf life	12 months	---

Remarks: Shall pass all Agmark and FSSAI specifications

Annexure-II

Specification for Hafed Refined Soyabean Oil

Sr. No.	Parameter	Value	Acceptable Limit with Rebate
1	Colour in 1/4" cell expressed as (Y+5R)	3.0 Units Max.	>3 Units to 6 Units – Rs. 20/- per Unit PMT, > 6 Double Rebate
2	FFA%age by wt. as oleic acid	0.1 Max.	>0.10% to 0.12% with Single Rebate, above 0.12%- Double Rebate
3	MIV %age by Wt.	0.1 Max.	
4	Refractive index at 40°C	1.4650 to 1.4671	
5	Peroxide value (m.eq/Kg)	1.0 Max.	>1 to 3.0 Meq./Kg with Single Rebate, > 3.0 Double Rebate
6	Saponification value	189-195	
7	Iodine value	120-140	
8	Un-saponifiable matter %age by wt.	1.0 max.	
9	Flash point °c	250 Min.	
10	Adulteration	Negative	
11	Turbidity	Oil should be clear at 30C when Kept for 24 hours	
12	Physical	Clear, free from suspended matter, free from rancidity.	
13	Shelf life	6 months	

Remarks: Shall Pass all FSSAI Specification.

Annexure-III

1. 1 Ltr. PET Bottles:

The pet bottle should confirm to relevant provision of IS:11352:1998 and IS:14537:1988 as amended upto date. The sample of approved design of PET bottle can be obtained from Hafed Oil Mill, Rewari / Narnaul. SBM transparent bottles having weight of naked bottles as 28 grams plus minus 1% in case of 1 Ltr. (neck size 28 mm bottle PCO type). The manufacturer/firm will supply the food grade material only.

<u>Weight</u>	<u>Nominal Capacity</u>	<u>Brimful Capacity</u>
28 gms (+ - 1%)	1000 ml.	1070 Plus minus 10 ml.

The party will invariably use only the virgin RELPET Grade G-5801 material manufactured by Reliance Industries Ltd., Hazira, Gujarat for making PET Bottle to be supplied to Hafed. In case the party uses perform, these should be of reputed brand such as Sunpet, Shripet, Pearlpot or equivalent quality. Party can also bring its sample of bottle of 28 gm at the time of tender.

2 Corrugated Fiber board Boxes:

The corrugated fiber boxes shall be tested as per IS:1060(part-I). For 1 Ltr. bottle (12X1 Ltr) for packing of Edible Oils. The tentative dimensions of the boxes are as under:-

Sr. No.	Packing Qty.	Box Sizes(L+W+H)	Ply	Bursting &compression strength
1	1 Ltr X 12 Bottle (Mustard Oil)	350 X 267X 292mm	5 Ply	BS10 kg/cm sq±5% CS 400kg ± 5%

The mother cartons should be duly printed one colour with arrow mark, printing matter will be provided by Hafed. Only starch based gum is to be used. The samples of bottles/Jars/Boxes can be seen/get from Hafed Oil Mills, Rewari/Narnaul. Corrugated boxes of all sizes will have stainless steel stitching, stitching pins flattened and covered with gum tape of craft paper of minimum width 1.5" to avoid punching of packs/rusting.

Specification for Hafed Refined Cottonseed Oil

Sr. No.	Parameter	Value	Acceptable Limit with Rebate
1	Physical	Clear, free from suspended matter or other foreign matter, separated Water, added colouring or flavoring Substance	
2	M.I.V.	Less than 0.1%	
3	Butyro-refractometer reading at 40°C	55.6 to 60.2	
4	Saponification Value	190-198	
5	Iodine Value	98-112	
6	Unsaponifiable matter	0.5% Max.	
7	FFA as oleic Acid	0.1% Max.	>0.10% to 0.15% with Single Rebate, > 0.15% Double Rebate
8	Turbidity	There shall be no turbidity after keeping the filtered sample at 30°C for 24 hours	
9	Bellier test (Turbidity temperature)	19.0°C -23.0°C	
10	Mineral oil test	Negative	
11	Peroxide value (Meg/kg)	3.0 Max.	>3.0 - 5.0 with Single Rebate, > 5.0 Double Rebate
12	Colour (Y+10R) in 1/4" cell	4.0 unit Max.	>4 Units – 7 Units Rs. 20/- per Unit PMT, >7 Units – Double Rebate
13	Any kind of adulteration	Nil	
14	Argemone Oil test	Negative	
	FRYING & COOKING QUALITY		
	a) Frying at 200 °c	Normal	
	b) Taste/Smell of fried material	OK	
	c) Taste/Smell of fried material after keeping for 24 hours	OK	
	d) Foam of oil at the time of frying	Nil	
	e) Smoke at the time of frying	Negative	
	f) Smoke point of oil	260 °c Min.	
	g) Taste and smell of oil	OK	

Remarks: Shall Pass all FSSAI Specification.

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