

**Serial Number, Items and Specifications:****1. 1 Ltr. PET Bottles:**

The Pet bottle should conform to relevant provisions 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 Mills, Rewari/Narnaul. SBM transparent bottles having weight of naked bottles as 26 grams plus minus 1% in case of 1 Ltr. (neck size 28 mm bottle CTC neck). The manufacturer should be authorized by CFTRI Mysore /BIS Authority to supply food grade PET bottles, certificates of which will be provided by the supplier in the technical bid.

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

The party will invariably use only the virgin Food Grade G-5801 material manufactured by Reliance Industries Ltd., Hazira, Gujarat for making PET Bottle to be supplied to Hafed).

**2. 2 Ltr. PET Bottles:**

The Pet bottle should conform to relevant provisions 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 Mills, Rewari/Narnaul. SBM transparent bottles having weight of naked bottles as 52 grams plus minus 3% in case of 2 Ltr. (neck size 36 mm bottle CTC neck). The manufacturer should be authorized by CFTRI Mysore /BIS Authority to supply food grade PET bottles, certificates of which will be provided by the supplier in the technical bid.

<u>Weight</u>	<u>Nominal Capacity</u>	<u>Brimful Capacity</u>
52 gms (+ - 3%)	2000 ml.	2070 Plus minus 10 ml.

The party will invariably use only the virgin Food Grade G-5801 material manufactured by Reliance Industries Ltd., Hazira, Gujarat for making PET Bottle to be supplied to Hafed).

**3. 5 Ltr. HDPE Jars:**

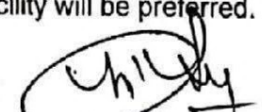
The HDPE jars should be made as per provisions of IS: 15473: 2004 and test method shall be IS:2798:1998. The 5 Ltr. HDPE jars should be made from high Density Poly Ethylene, Vergin material only in 225 Gm. Weight +-5 Gms as per shade/colour required by Hafed. The manufactured should be authorized by CFTRI, Mysore to supply Food Grade certificates for HDPE jars which will be provided by the supplier in the Technical Bid. Embossing on HDPE jars will be made by the supplier on their cost. Mould will be provided by Hafed on security of Mould a cheque of Rs. 1, 50,000/- will have to be deposited to each Unit i.e. Narnaul and Rewari and same will be returned upon receipt of the Moulds in proper working condition by Hafed. No interest will be given on the security of Mould and it will be deposited separately from the earnest money.

**4. 5 Ltr. Square Tins:**

The manufacturer/firm will supply the food grade material. Preference to be given to suppliers who supply ISI marked tins or equivalent grade. Bar code graphics are to be printed/ inbuilt on the printed tins as per instructions of Hafed. In addition to no. of ticklies equivalent to numbers of tins, 2% extra ticklies are to be supplied free of cost. As per FSSAI Act any change in the printing/designing shall have to be incorporated/ implemented during the course of contract.

**5. Printed 15 Ltr./15Kg. Square Tin:**

The tin should be made as per provisions of IS: 10325: 2000 as amended upto date. The weight of empty 15 Ltr/15 Kg Square tin should be 900 Gm +- 10 Gms with Tikli. The tin should be four sided printed as per our design to be supplied by Hafed. The colour so used should be good quality. The tin should be of Spout type with Cap, as per ISI Marked/specifications, suitable for packing of Mustard Oil. The closure (Tikli) and Tin will be embossed with Hafed Logo. The manufacturer having offset printing facility will be preferred.

  
**General Manager**  
**Hafed Oil Mills**  
**Rewari**



**6. Plain 15Ltr./15Kg. Square Tin Newman Type Closure:**

The Tin should be made as per provision of IS: 10325: 2000 as amended upto date. The tin should be Spout type with Cap as per ISI Marked/specification, suitable for packing of refined edible oils. The weight of empty 15 Ltr/15 Kg Square tin should be 900 Gm +/- 10 Gms with Tikli The closure (Tikli) and Tin will be embossed with Hafed Logo.

**7,8,9,10,11 Corrugated Fiber board Boxes:**

The corrugated fiber box shall be tested as per IS: 1060 (Part-1) . For 1 Ltr. bottle (12X1 Ltr.), 2 Ltr. bottle (9X2 Ltr.), 1 Ltr. pouch (12X1 Ltr.), and 5 Ltr. Jar (3X5 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 Strength (IS) & compression strength
7	1 Ltr X 12 Bottle (Mustard Oil)	350 X 267X 292mm	5 Ply	BS10 kg/cm sq +5% CS 400kg + 5%
8	2 Ltr X 9 Bottle (Mustard Oil)	355 X 345X 297mm	5 Ply	BS10 kg/cm sq +5% CS 400kg + 5%
9	1 Ltr X 12 pouch	381 X 216X 210mm	5 Ply	BS12.5 kg/cm sq +5% CS 400kg + 5%
10	5 Ltr X 3 HDPE Jar	483 X 223 X 282mm	5 Ply	BS10 kg/cm sq +5% CS 400 Kg + 5%
11	Corrugated Cover Top & Bottom for 15 ltr/kg. tins		3 Ply	BS 6.5kg/cm Sq + 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.

**12. Labels for Bottles, Jars and Tins etc.**

The label should be printed in 80 GSM Cromo Paper with gumming and lamination for 1 ltr. packing and 2 ltr. packing (length 370 mm and width 60 mm) and in Gum sheet paper for 5 ltr. HDPE Jar and 15 kg. tins in different multi colours and design will be provided by Hafed. Labels should be tested as per IS:1060 .

**13,14 &15. CTC Caps and Aluminum WAD**

The CTC caps should be made of 28 mm size for 1 ltr. bottle and 36 mm for 2 ltr. bottle in virgin material and Aluminum WAD should be 39.50 mm size for HDPE jars of 5 ltr.

**16 & 17. BOPP Self Adhesive Tapes and PVC Straps Roll**

The material should conform to IS: 13262:1992 as amended upto date. The width of the tape will be 48 mm and the Roll length will be 100 mtr. The colour will be brown and the outer side of the tape will have Hafed Logo in red colour. The thickness should be of 50 micron with adhesive and 30 micron without adhesive so that the corrugated boxes may not open in transits when tape is applied on them. PVC Straps roll will be printed with Hafed Logo in Red colour. The Straps should have sufficient strength, so that the dunnage on tins may not open in transit and at the time of loading/unloading.

**18. HDPE bags for filling of 50 Kg. Mustard Cake:**

The two colour HDPE bags of virgin quality (Grade-I) is required 120 gm. + - 3 gram as per design given by Hafed.

**19. Premix of Vitamin A&D for Edible Oil:** (Vitamin-A 25 IU & Vitamin-D 4.5 IU) packed in 100 ml bottle. The self life of Premix should be 12 months.

  
**General Manager**  
**Hafed Oil Mills**  
**Rewari**