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### CHAPTER 1 - TRADING PARAMETERS

#### Authority

Trading of **Guar gum** futures may be conducted under such terms and conditions as specified in the Rules, Byelaws & Business Rules and directions of the Exchange issued from time to time. **Guar gum** futures contract specification is indicated in **Annexure 1**.

#### Unit of Trading

The unit of trading shall be 5 MT. Bids and offers may be accepted in lots of 5 MT or multiples thereof.

#### Months Traded In

Trading in Guar gum futures may be conducted as specified in **Annexure 1** and may be changed by the Exchange from time to time.

#### Tick Size

The tick size of the price of **Guar gum** shall be Re 1.

#### Basis Price

The basis price of Guar gum shall be **Ex-Warehouse Jodhpur** (inclusive of Sales tax / VAT).

#### Unit of Price Quotation

The unit of price quotation for Guar gum shall be in Rupees per Quintal (100 kgs). The basis for Guar gum is ex-warehouse Jodhpur inclusive of Sales tax/VAT.

#### Trading hours

The hours of trading for futures in Guar gum shall be as follows:

- Mondays to Fridays - 10 a.m. to 05.00 p.m.
- Saturdays - 10 a.m. to 02.00 p.m.

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Or as determined by the Exchange from time to time. All timings are as per Indian Standard Timings (IST).

### **Contract Expiry Date**

Last day of trading shall be 20<sup>th</sup> day of the delivery month. If 20<sup>th</sup> happens to be a holiday, a Saturday or a Sunday then the Expiry date shall be the immediately preceding trading day of the Exchange, which is not a Saturday.

### **Mark to Market**

The outstanding positions in futures contract in Guar gum would be marked to market daily based on the Daily Settlement Price (DSP) as determined by the Exchange.

### **Position limits**

**Member level:** 5,000 MT or 15 % of market open interest, whichever is higher.

**Client level:** 1,000 MT.

The above limits will not apply to bonafide hedgers. For bonafide hedgers the Exchange will decide the limits on a case-to-case basis.

### **For near month contracts:**

Near month limits (Applicable from one month prior to expiry date of the contract).

**Member level:** 1,000 MT or 15 % of the market-wide near month open position, whichever is higher.

**Client level:** 200 MT.

### **Margin Requirements**

The Exchange will use Value at Risk (VaR) based margin calculated at 99% confidence interval for one day time horizon. The Exchange reserves the right to change, reduce or levy any additional margins including any mark up margin.

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**Special / Additional Margin**

When there is excess volatility, Exchange will impose special/additional margin of appropriate percentage, as deemed fit on buy and/or sell side in respect of all outstanding positions. Removal of such Margins will be at the discretion of the Exchange.

**Tender Margin**

The Exchange will impose Tender Margin for all outstanding positions in Guar gum contract during last 3 trading days including the contract expiry day. Such margin will be imposed on both buy & sell open positions and will be in addition to the initial / daily margin, special and / or other additional margins, if any. The Tender Margin will be increased every day on incremental basis. The Tender Margin as currently applicable for Guar gum Contract is 3% per day.

**Delivery Margins**

In case of open positions materializing into physical delivery, delivery margins as may be determined by the Exchange from time to time will be charged. The Delivery Margin currently applicable for Guar gum Contract is 10 %.

**Delivery Default Penalty**

The penalty structure for failure to meet delivery obligations will be as announced by the Exchange / FMC from time to time.

**Arbitration / Adjudication**

Disputes between the members of the exchange inter-se and between members and constituents, arising out of or pertaining to trades done on the exchange shall be settled through arbitration / adjudication. The arbitration / adjudication proceedings and appointment of arbitrators / adjudicators shall be as governed by the Bye-laws and Business Rules of the Exchange.

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### CHAPTER 2 - DELIVERY PROCEDURES

#### Unit of Delivery

The unit of delivery for **Guar gum** shall be 5 MT.

#### Delivery Size

Delivery is to be offered and accepted in lots of 5 MT net or multiples thereof. A quantity variation of +/- 2% is permitted as per contract specification.

#### Delivery Request

The procedure for Guar gum delivery is based on the contract specifications as per **Annexure 1**

#### Compulsory delivery

All the open positions on the date of expiry of the contract shall result in delivery. The commodities will be compulsorily delivered either by giving delivery or taking delivery as the case may be. That is, upon expiry of the contracts, any seller with open position shall give delivery of the commodity. The corresponding buyer with open position as matched by the process put in place by the Exchange shall be bound to settle by taking physical delivery. In the event of default by seller to give delivery, such defaulting seller will be liable to penalty as may be prescribed by the Exchange from time to time.

#### Delivery Allocation

The Exchange will compile delivery requests received from members on the last trading day. The buyers / sellers who have to receive / give delivery would be notified on the same day after the close of trading hours.

#### Actual Delivery

Where Guar gum is sold for delivery in a specified month, the seller must have requisite electronic credit of such Guar gum holding in his Clearing Member's Pool Account before the scheduled date of pay in. On settlement the buyer's Clearing Member's Pool Account would be credited with the said delivery quantity on pay out. The Clearing Member is expected to transfer the same to the buyer's depository account. However, the buyer must take actual physical delivery of Guar gum before expiry of the validity

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date as indicated in the quality test report / Assayer's Certificate of the Assayer or get the same revalidated.

### **Accredited Warehouse**

The Exchange has accredited warehouses for receipt and delivery of Guar gum. Guar gum will be received and delivered only from the Exchange accredited warehouse. The details of the Exchange accredited warehouses are as per **Annexure 2**.

The **Guar gum** received at the Exchange accredited warehouses will be tested and certified by the Exchange accredited Assayer before acceptance as good delivery in the warehouse. Likewise, Guar gum delivered to buyers will be from the accredited warehouse only.

### **Quality Standards**

The contract quality for delivery of **Guar gum** futures contracts made under Ace Regulations shall be conforming to the quality specification indicated in the contract in **Annexure 1**. No lower grade/quality shall be accepted in satisfaction of futures contracts for delivery except as and to the extent provided in the contract specifications. Delivery of higher grade or lower grade within the provision of the contract specification would be accepted with premium or discount as specified by the Exchange from time to time.

### **Packaging**

Guar gum delivered shall be packed in clean, dry, sound, single, new or un-mended B-Twill jute bags in merchantable condition and the mouth of the bag stitched disallowing sweating/spilling. The bag must not be marked and/or stenciled other than with the bag manufacture's quality indicating mark. The packaging of Guar gum should be in standard bags of 80 Kg only (Net weight). The weight of the Guar gum packaging bag shall be not less than 800 grams and should also be having polyliner inside.

### **Standard Allowances**

The standard allowances towards loss arising on account of sample weight per validation of quality and spillage shall be upto 0.20% of each lot delivered/ revalidated.

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### Weight

The quantity of **Guar gum** received and / or delivered at the Ace designated warehouse would be determined / calculated by the weighbridge / weigh scale located in the vicinity of the warehouse or at the premises of the designated warehouse and the quantity so determined would be binding on all parties.

### Good / Bad delivery Norms

Guar gum delivery into the Exchange designated warehouse would constitute good delivery or bad delivery based on the good / bad delivery norms as per **Annexure 3**. The list contained in **Annexure 3** is only illustrative and not exhaustive. The Exchange would from time to time review and update the good / bad delivery norms retaining the trade / industry practices.

### Guar gum Sampling

Guar gum samples shall be drawn by Ace approved assayer at the time of delivery/storage at the designated warehouse. The samples drawn will be from the packaged bags constituting lot of 5/10 MT. A sample size of about 20 g. from each bag constituting the lot is taken to make a total sample size of 1.5 to 2.0 Kg. The sample portions drawn will be packed in clean, dry containers or plastic sachets and shall be marked to recognize Ace member identity, quantity, date, time etc.

The sample portions is divided equally in 4 parts and distributed as under:

- One sample to Depositor
- One sample to Warehouse Service Provider
- One sample for Analysis by assayer
- One sample for Record with assayer

### Accredited Assayer

The Exchange has approved the Assayer for quality testing and certification of **Guar gum** received at the designated warehouse. The quality testing and certification of **Guar gum** will be undertaken only by the approved Assayer. The assayer details are given in the **Annexure 2** alongside the warehouses.

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**Quality Testing Report**

The test report issued by the **Guar gum** testing Exchange accredited assayer on the samples drawn shall be acceptable and binding on all parties. A specimen format of the quality testing report is indicated in **Annexure 4**.

**Testing Procedure**

The Guar gum samples collected will be tested as per standard test methods prescribed in BIS IS7437. The sample size is then checked visually for ‘Residue on Sieve’ and ‘Specks’. Thereafter chemical analysis will be carried out to determine the level of moisture, residue insoluble in acid and protein. Currently the standard testing procedure for Guar gum delivered on the Exchange platform is as per **Annexure 7**.

**Assayer Certificate**

Testing and quality certificate issued by the exchange approved Assayer for **Guar gum** delivered at designated warehouses in Jodhpur, Bikaner & Nokha in Rajasthan and Deesa in Gujarat and at such other locations announced by the Exchange from time to time shall be acceptable and binding on all parties. Each delivery of **Guar gum** at the warehouse must be accompanied by a certificate from the exchange approved Assayer in the format as per **Annexure 4**.

**Validity period**

The validity period for Guar gum is shown in the table below. However, Guar gum will have to be removed from exchange warehouse after the Final Validity Period

Month in which Guar gum is deposited in the Exchange system (Jan -Dec)	Maximum validity period allowed for Guar gum from the date of fresh deposit in the system (no. of months)	1 <sup>st</sup> validity period allocated at the time of fresh deposit (no. of months)	Total No of Revalidation allowed by the exchange after expiry of 1 <sup>st</sup> validity date	2 <sup>nd</sup> Validity period allocated for Guar gum after 1 <sup>st</sup> revalidation. (no. of months)	Final validity period allocated for Guar gum after 2 <sup>nd</sup> revalidation. (no. of months)
January	12	6	1	6	0

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February	12	6	1	6	0
March	12	6	1	6	0
April	12	6	1	6	0
May	12	6	1	6	0
June	12	6	1	6	0
July	12	6	1	6	0
August	12	6	1	6	0
September	12	6	1	6	0
October	12	6	1	6	0
November	12	6	1	6	0
December	12	6	1	6	0

**Electronic Transfer**

Any buyer or seller receiving and or effecting Guar gum would have to open a depository account with the exchange empanelled Depository Participant (DP) to hold the Guar gum in electronic form. On settlement, the buyer’s account with the DP would be credited with the quantity of Guar gum received and the corresponding seller’s account would be debited. The Buyer wanting to take physical delivery of the Guar gum holding has to make a request in prescribed form to his DP with whom depository account has been opened. The DP would route the request to the warehouse for issue of the physical commodity i.e. Guar gum to the buyer and debit his account, thus reducing the electronic balance to the extent of Guar gum so rematerialized.

**Charges**

All charges and costs payable at the designated warehouse towards delivery of Guar gum including sampling; grading, weighing, handling charges; storage etc. from the date of receipt into storage warehouse upto date of pay in & settlement shall be paid by the seller.

No refund for warehouse charges paid by the seller for full validity period shall be given to the seller or buyer for delivery earlier than the validity period.

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All charges and costs associated & including storage, handling etc. after the pay-out shall be borne by the buyer. Warehouse storage charges will be charged to the member / client by the respective Depository Participant.

The Assayer charges for testing and quality certification should be paid to the Assayer directly at the delivery location either by cash/ cheque/ demand draft.

### **Duties & levies**

All duties, levies etc. up to the point of sale will have to be fully borne by the seller and shall be paid to the concerned authority. All related documentation should be completed before delivery of **Guar gum** into the Exchange accredited warehouse.

### **Stamp Duty**

Stamp duty is payable on all contract notes issued as may be applicable in the State from where the contract note is issued or State in which such contract note is received by the client.

### **Taxes**

#### **Service tax**

Service tax will be payable by the members of Commodity Exchanges on the gross amount charged by them from their clients on account of dealing in commodities.

#### **Sales Tax / VAT**

Local taxes / VAT wherever applicable is to be paid by the seller to the sales tax / VAT authorities on all contracts resulting in delivery. Accordingly the buyer will have to pay the taxes / VAT to the seller at the time of settlement. Members and / or their constituents requiring to receive or deliver **Guar gum** should register with the relevant tax / VAT authorities of the place where the delivery is proposed to be received / given. In the event of sales tax exemption, such exemption certificate should be submitted before settlement of the obligation. There will be no exemptions on account of resale or second sale in VAT regime.

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**Premium / Discount**

Premium & Discount on the Guar gum delivered will be provided by the Exchange on the basis of quality specifications:

- **Undehusked splits\***

Undehusked splits*	Applicable Premium/Discount
Above 10% upto 12%	Accepted at 1:0.5 Discount
Above 12%	Rejected

- **Through 20" mesh**

Through 20" mesh	Applicable Premium/Discount
Above 0.10 % upto 0.25%	Accepted at 1:1 discount
Above 0.25%	Rejected

- **Moisture**

Moisture	Applicable Premium/Discount
Above 8% upto 10%	Accepted at 1:1 discount
Above 10%	Rejected

- **Foreign particles**

Foreign particles	Applicable Premium/Discount
Above 0.30 % upto 0.50%	Accepted at 1:2 discount
Above 0.50%	Rejected

**\*Total of 'Undehusked splits' and 'Black, dark red and brown coloured splits' not to exceed 12%.**

The Exchange will communicate the premium / discounts amount applicable. Such amount will be adjusted to the members account through the supplementary settlement. Currently, the applicable premium/discounts for the Guar gum contract are as per the **Annexure 6**.

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### CHAPTER 3 - CLEARING AND SETTLEMENT

#### Daily Settlement

All open positions of a futures contract would be settled daily based on the Daily Settlement Price (DSP).

#### Daily Settlement Prices

The Daily Settlement Price (DSP) will be as disseminated by the Exchange at the end of every trading day. The DSP will be reckoned for marking to market all open positions.

#### Final Settlement Prices

The Exchange shall adopt the following methodology for arriving at the Final Settlement Price.

- The Final Settlement Price (FSP) shall be arrived at by taking the simple average of the last three trading days polled spot price viz., E0 (expiry day), E-1, and E-2.
- In the event of the spot prices for any of the E-1 and E-2 is not available, the spot price of E-3 would be used for arriving at the average.
- In case the spot prices are not available for both E-1 and E-2, then the average of E0 and E-3 (two days) would be taken.
- If all the three days' prices viz., E-1, E-2 and E-3 are not available, then only one day's price, viz., E0, will be taken as the FSP.

#### Spot Prices Polling Mechanism

The Exchange will poll for the spot price of Guar gum for the specified quality for Ex-Warehouse Jodhpur (inclusive of Sales tax/VAT).

From December 21, 2011 "All Taxes Paid" prices for Guar gum shall be arrived after taking into consideration a Cash discount of 1.40%

#### Dissemination of Spot Prices

Spot prices for **Guar gum** will be disseminated on daily basis.

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**Pay in and Pay out for Daily Settlement**

The table below illustrates timings for pay in and pay out in case of daily settlement. The buyer clients would have to deposit requisite funds with their respective Clearing Member before “pay in”.

All fund debits and credits for the Member would be done in the Member’s Settlement Account with the Clearing bank.

**Daily MTM settlement**

<b>Time ( Next settlement day)</b>	<b>Activity</b>
Before 11.00 hrs	PAYIN - Debit paying member a/c for funds
12.30 hrs	PAYOUT – Credit receiving member a/c for funds

**Pay in and Pay out for final physical settlement**

The table below illustrates timings for pay in and pay out in case of positions marked for physical settlement. The buyer clients would have to deposit requisite funds with their respective Clearing Member before “pay in”.

Pay in and Pay out for Final Settlement in case of physical deliveries

**For Physical settlement -**

<b>Time (E+2)</b>	<b>Activity</b>
12.00 hrs	Pay in – Debit Seller Member’s CM pool a/c. for Commodity
12.30 hrs	Pay in – Debit Buyer Member’s Settlement a/c for funds
15.30 hrs	Pay out – Credit Seller Member’s Settlement a/c for funds
16.00 hrs	Pay out – Credit Buyer Member’s CM pool a/c. for Commodity

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Additionally the supplemental settlement for Guar gum futures contracts for premium / discount adjustments relating to quality of **Guar gum** delivered, actual quantity delivered and close out for shortages, will also be conducted on the same day. Clearing Members are required to maintain adequate fund balances in their respective accounts.

**Pay in and Pay out for supplementary settlement**

**Time (E + 2) Activity**

At 15.00 hours PAY IN - Debit Member Settlement a/c for funds.

At 15.30 hours PAY OUT – Credit Member Settlement a/c for funds (The payout is done along with the delivery funds payout)

**Supplementary Settlement for Taxes**

The Exchange will conduct a separate supplementary settlement, as illustrated below, 3 days after the final pay out for completion of tax transactions.

In order to facilitate issue of invoice to right parties, the buyer Clearing Members are required to give the buyer client details to the Exchange latest by 15.00 hrs on E+3 day failing which the buying member is considered as the end buyer and accordingly invoice is issued in his/their name.

The Seller Clearing Members are required to give the seller client details to the exchange latest by 15.00 hrs on E + 4 day.

Time ( E+5)	Activity
On or after 16.00 hrs	Pay in – Debit Buyer member a/c for funds.
On or after 16.30 hrs	Pay out – Credit Seller member a/c. for funds.

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**Annexure 1 – Contract Specifications of Guar gum**

Name of Commodity	Guar Gum	
Ticker symbol	GUARGUM	
Basis centre	Ex-Warehouse Jodhpur (inclusive of Sales tax/VAT)	
Unit of trading	5 MT	
Delivery Type	Compulsory delivery	
Delivery unit	5 MT	
Price quotation	Rs per quintal (100 kgs)	
Tick size	Re. 1	
Quality specification	Residue insoluble in Acid	3% (Max)
	Protein	5% (Max)
	Undehusked Splits	10 % (Basis)
	Black, dark red and brown coloured splits	1% (Max)
	Through 14" mesh	3% (Max)
	Through 20" mesh	0.1% (Basis)
	Moisture	8% (Basis)
	Foreign Particles (all non gum particles)	0.3% (Basis)

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Quality premium / discount	<p>Quality delivery with variation shall be acceptable with premium/discount as under</p> <p><b>Undehusked splits*:</b></p> <ul style="list-style-type: none"> <li>• Above 10% upto 12% accepted at 1:0.5 discount</li> <li>• Above 12% rejected</li> </ul> <p><b>Through 20" mesh</b></p> <ul style="list-style-type: none"> <li>• Above 0.10 % upto 0.25% accepted at 1:1 discount</li> <li>• Above 0.25% rejected</li> </ul> <p><b>Moisture</b></p> <ul style="list-style-type: none"> <li>• Above 8% upto 10% accepted at 1:1 discount</li> <li>• Above 10.00% rejected</li> </ul> <p><b>Foreign particles</b></p> <ul style="list-style-type: none"> <li>• Above 0.30 % upto 0.50 % accepted at 1:2 discount</li> <li>• Above 0.50% rejected</li> </ul> <p>*Total of 'Undehusked splits' and 'Black, dark red and brown coloured splits' not to exceed 12%</p>
Quantity Variation	+/- 2%
Delivery Method	<p><b><u>Demat Delivery</u></b></p> <p>Seller shall deliver the goods through Exchange <b><u>Accredited</u></b> Warehouse.</p> <p>Goods will have to pass through the Quality Certification process during inbound delivery. Quality certification of Goods will be done by Exchange authorized assayer.</p>

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	Buyer will receive the goods from the Exchange Accredited Warehouse.				
Delivery Centre	Jodhpur  (Delivery will be accepted in Exchange accredited warehouse located within 50 km radius from the municipal limits.)				
Additional delivery centre	Sellers can also tender Guar Gum delivery from the following delivery centers:  (Delivery will be accepted in Exchange accredited warehouse located within 50 km radius from the municipal limits.)  <table border="1" data-bbox="821 919 1157 1247"> <thead> <tr> <th>Delivery Centre</th> </tr> </thead> <tbody> <tr> <td>Bikaner</td> </tr> <tr> <td>Nokha</td> </tr> <tr> <td>Deesa</td> </tr> </tbody> </table>	Delivery Centre	Bikaner	Nokha	Deesa
Delivery Centre					
Bikaner					
Nokha					
Deesa					
Location Premium/Discount	Premium and discount for different locations shall be announced by the Exchange before launching of contract.				
Trading Hours	Monday to Friday: 10.00 a.m. to 5.00 p.m.  Saturday: 10.00 a.m. to 2.00 p.m.				
Contract Expiry Date	20th day of the delivery month.  If 20 <sup>th</sup> happens to be a holiday, a Saturday or a Sunday then the Expiry date shall be the immediately preceding trading day of the Exchange, which is not a Saturday.				

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Opening of Contract	New contracts will be available for trading from 11 <sup>th</sup> day of the month as per the launch calendar. If the 11 <sup>th</sup> day happens to be a non-trading day, new contracts would open on next trading day.
Daily Price Limit	<p>Daily price fluctuation limit is (+/-) 3%. If the trade hits the prescribed daily price limit there will be a cooling off period for 15 minutes. Trade will be allowed during this cooling off period within the price band. Thereafter the price band would be raised by (+/-) 1%.</p> <p>If the price hits the revised price band (4%) again during the day, trade will only be allowed within the revised price band. No trade / order shall be permitted during the day beyond the revised limit of (+ / -) 4%.</p>
Position Limits	<p><b>Member level:</b> 5,000 MT or 15 % of market open interest, whichever is higher.</p> <p><b>Client level:</b> 1,000 MT</p> <p>The above limits will not apply to bonafide hedgers. For bonafide hedgers the Exchange will decide the limits on a case-to-case basis.</p> <p><b>Near month limits</b></p> <p>(Applicable from one month prior to expiry date of the contract).</p> <p><b>Member level:</b> 1000 MT or 15 % of the market-wide near month open position, whichever is higher.</p> <p><b>Client level:</b> 200 MT</p>
Maximum order size	250 MT ( 50 Lots)
Final Settlement Price	The Exchange shall adopt the following methodology for arriving at the

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(FSP)	<p>Final Settlement Price.</p> <ul style="list-style-type: none"> <li>• The Final Settlement Price (FSP) shall be arrived at by taking the simple average of the last three trading days polled spot price viz., E0 (expiry day), E-1, and E-2.</li> <li>• In the event of the spot prices for any of the E-1 and E-2 is not available, the spot price of E-3 would be used for arriving at the average.</li> <li>• In case the spot prices are not available for both E-1 and E-2, then the average of E0 and E-3 (two days) would be taken.</li> <li>• If all the three days' prices viz., E-1, E-2 and E-3 are not available, then only one day's price, viz., E0, will be taken as the FSP.</li> </ul>
Minimum Initial Margin	5%
Special Margin	<p>When there is excess volatility, Exchange may impose special margin of appropriate percentage, as deemed fit and proper on either long or short side in respect of all outstanding positions. This margin will remain till such excess volatility persists, after which the same will be relaxed.</p>
Additional Margin	<p>The Exchange may impose additional margins on both long and short side at such other percentage, as deemed fit. Removal of such Margins will be at the discretion of the Exchange</p>
Regulatory Margin	<p>In addition to the above margins, the Regulator may impose additional margins on long and/or short side at such other percentage as deemed fit. Removal of such Margins will be at the discretion of the Regulator.</p>

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**Outbound Tolerance Limit in Guar gum**

Commodity Specifications	Basis	Deliverable Range	Permissible Tolerance
Undehusked splits	10%	Upto 10 % delivery at par, above 10% upto 12% accepted at 1:0.5 discount, above 12% rejected	(+/-) 0.25%
Black, dark red and brown coloured splits	1.% (Max)	Upto 1% delivery at par. Above 1% rejected	(+/-) 0.1 %
Through 14" mesh	3.% (Max)	Upto 3% delivery at par. Above 3% rejected	(+/-) 0.5 %
Through 20" mesh	0.10%	Upto 0.10% delivery at par, above 0.10 % upto 0.25% accepted at 1:1 discount, above 0.25% rejected	(+/-) 0.05 %
Foreign Particles (all non gum particles)	0.30%	Upto 0.30 % accepted at par, above 0.30 % upto 0.50 % accepted at 1:2 discount, above 0.50% rejected	(+/-) 0.05 %
<b>Max Tolerance (for all characteristics)</b>			<b>(+/-) 0.75%</b>

**Note:** Tolerance limit is applicable only for outbound deliveries. Variation in quality parameters within the prescribed tolerance limit as above will be treated as good delivery when members/clients lift the materials from warehouse. These permissible variations shall be based on the parameters found as per the immediate preceding test certificate given by exchange approved assayer.

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**Contract Launch Calendar – Guar gum**

<b>Contract Launch Month</b>	<b>Contract to be launched</b>
July 2011	September 2011, October 2011 and November 2011
July 2011	December 2011
September 2011	January 2012
October 2011	February 2012
November 2011	March 2012
December 2011	April 2012
January 2012	May 2012
February 2012	June 2012
March 2012	July 2012
April 2012	August 2012
May 2012	September 2012
June 2012	October 2012
July 2012	November 2012
August 2012	December 2012

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**Annexure 2 – Warehouse & Assayer Address Details**

Sr. No.	Commodity	Warehouse Address
1.	Guar gum	<p><b>LSIPL C/o Bhanuka Gehlot</b>            Plot No – 67/10,            Mandor Industrial Area,            Jodhpur - 342304  <b>Contact Person:</b>            Mr. Gajraj Panwar:09351370404</p>
2.	Guar gum	<p><b>LSIPL C/o Govindam Warehouse</b>            Main Salawas Road            Basni,            Jodhpur - 342304  <b>Contact Person:</b>            Mr. Gajraj Panwar:09351370404</p>
3.	Guar gum	<p><b>Yamada Logistics Pvt. Ltd C/o Gyan Storage</b>            Khasra No. 775/63,65, Old FCI Godown            Basni Pal Road,            Jodhpur - 342304  <b>Contact Person:</b>            Mr. Amit Lohiya:09309058112</p>
4.	Guar gum	<p><b>Yamada Logistics Pvt. Ltd C/o. Snehlata Choudhary, Plot</b>            No. 116 B, Road No. 11,            Rani Bazaar Industrial Area            Bikaner – 334001  <b>Contact Person:</b>            Mr.Ratnesh Kumar: 09309296283</p>

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5.	Guar gum	<b>Yamada Logistics Pvt. Ltd</b> C/o Natraj Industries, F-208-209, Karni Industrial Area, Bikaner - 334003 <b>Contact Person:</b> Sudesh Saboo: 09320224321 Gurvinder Gill: 09501009251
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For the updated list of Warehouse service provider & Assayers details kindly refer to the exchange website [www.aceindia.com](http://www.aceindia.com)

**PRODUCT DOCUMENT – GUAR GUM**

**Annexure 3 - Good / Bad delivery norms**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Good / Bad Delivery</b>
1	Goods delivered prior to contract expiry.	Good Delivery
2	Quality standard not as per the contract specification.	Bad Delivery
3	Goods delivered at other than the exchange accredited warehouses.	Bad Delivery
4	Non-abidance of weighbridge certificate.	Bad Delivery
5	Delivery size not as per the contract specification.	Bad Delivery
6	Delivery with improper documentation.	Bad Delivery
7	Goods weighed at other than exchange accredited warehouse weighs bridge / weigh scale.	Bad Delivery
8	Commodity found with live infestation / contaminated on visual inspection by assayer / warehouse.	Bad Delivery

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**Annexure 4 – Specimen of Guar gum Testing Report**

**CERTIFICATE OF QUALITY**

In accordance with the order of **(Member Name / Client Name)** member of Ace for the commodity being deposited at the designated warehouse.

Sample Details:

Name of the Commodity:

Job Reference No:

Warehouse Name & Address:

Place of Sampling:

Seal No:

Mode of Packing:

Date of Sampling:

Date of Receipt:

Date of Completion:

Sampling and Tests Required: As per ACE

Sample ID	
Lot No.	
Kaccha Receipt No.	
Quantity	
Godown No.	
Stack No.	
Truck No.	
Sample Condition	

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Test Results:

The above sample was analyzed by us and the results are as follows:

Test Items	Test method	Specification	Test results

The material delivered by the above Ace Member is in accordance with the specification provided bearing grade \_\_\_\_\_and valid up to \_\_\_\_\_from the date of certification subject to appropriate storage conditions

The goods delivered may be accepted / rejected.

**Chief Inspector / Authorized Signatory**

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**Annexure 5 – Commodity Deposit Form (CDF)**

**Commodity Deposit Form**

Demat  Non Demat

Date of Deposit:

Time of Deposit:

Name Of Warehouse	
Address of Warehouse	
Name of Depositor	
Address of Depositor	
For the account of (beneficiary name)	
PAN No.	
Name of the Agent	
Address of the Agent	
Details of Depositor	Client Id:
	Client Name:
	DP Id:
	DP Name:
	*Member ID:
	*Member Name:

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Details of Commodity Deposited			
Name of Commodity	Qty (Net weight accepted inside the WH)	No. of lots/bags	Remarks if any

I / we hereby declare that the commodities being deposited herein belong to the beneficiary as stated above and are free from any encumbrances. I/we hereby request the warehouse to accept the deposit of the commodities in the name of beneficiary stated above subject to acceptance of quality by Exchange empanelled the assayer.

\_\_\_\_\_

Signature of the Depositor

**Acknowledgement from the warehouse**

Name of the warehouse \_\_\_\_\_ We hereby acknowledge the receipt of (quantity) \_\_\_\_\_ (unit) \_\_\_\_\_ of \_\_\_\_\_ (commodity details) from \_\_\_\_\_ (name of the depositor) to be credited for the commodities demat account or to be issued a DSR (in case of Non Demat Process) of bearing Client Id: \_\_\_\_\_ on \_\_\_\_\_ at \_\_\_\_\_ am/pm.

Authorized Signature \_\_\_\_\_

(Rubber Stamp)

\*Applicable only in case of Non Demat Process.

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**Annexure 6 – Guar gum grade matrix**

**Ready Reckoner**

Undehusked Splits	Premium/Discount		Through 20" Mesh	Premium/Discount	
0.00 to 10.00	0	1	0 to 0.10	0	1
10.01 to 10.50	-0.25	2	0.11 to 0.15	-0.05	2
10.51 to 11.00	-0.5	3	0.16 to 0.20	-0.1	3
11.01 to 11.50	-0.75	4	0.21 to 0.25	-0.15	4
11.51 to 12.00	-1	5			

Moisture	Premium/Discount		Foreign Matter	Premium/Discount	
0 to 8	0	1	0.00 to 0.30	0	1
8.01 to 8.50	-0.5	2	0.31 to 0.40	-0.2	2
8.51 to 9.00	-1	3	0.41 to 0.50	-0.4	3
9.01 to 9.50	-1.5	4			
9.51 to 10.00	-2	5			

For Guar gum grades kindly refer to the Exchange website [www.aceindia.com](http://www.aceindia.com)

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**Annexure 7 – Standard Testing Procedure**

**Parameters tested:**

Parameters	Test
Moisture	IS 7437:1974(Reaff:1998)
Protein	IS 7437:1974(Reaff:1998)
Through 14" mesh	As defined in Agmark
Through 20" mesh	As defined in Agmark
Residue insoluble in acid	IS 3988:1981(Reaff:2001)
Black, dark red and brown coloured splits	As defined in Agmark
Foreign particles (all non gum particles)	As defined in Agmark
Undehusked splits	As defined in Agmark

**Definition:**

Parameters	Test/Time taken
Moisture	The loss in mass caused as a result of heating for two hours at $105^{\circ} \pm 3^{\circ}$ c under specified conditions and as percent
Residue insoluble acid	As defined in Agmark
Protein	Guar gum is oxidized by heating with a mixture of Potassium sulphate, copper sulphate and H <sub>2</sub> SO <sub>4</sub> , thereby nitrogen compounds are turns in to ammonia

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	by distillation. The distilled ammonia is absorbed in to sulphuric acid, which is titrated with standard sodium hydroxide solution.
Foreign particles (all non gum particles including guar seed)	Organic matter consisting of husk, straws, weed seeds and other inedible seeds. Inorganic matter consisting of metallic pieces, sand, gravel, dirt, pebbles, stones, lumps of earth, clay and mud.
Through 14" mesh	As defined in Agmark
Through 20" mesh	As defined in Agmark
Undehusked splits	As defined in Agmark
Black, dark red and brown colored splits	As defined in Agmark

**Testing Methodology:**

At the outset, live infestation will be seen from the total sample taken from the lots. After ascertaining the same a sample will be taken for the lab process.

Out of the total sample drawn 250gms will be taken for lab test process.

Lab test will be conducted as per the order given below.

**1) Moisture:**

1. Note down the empty weight of the Petri dish ( $W_0$ ).
2. Take 10 gm of ground sample in above Petri dish ( $W_1$ ).
3. Dry the sample in hot air oven at  $105^0 \pm 3^0C$  for 4 hours.
4. Take out the sample and keep it in desiccators for 15 min.

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5. Note down the weight.
6. Repeat the above step until the weight difference between 2 consecutive readings is 0.001gm.
7. Note down the weight( $W_2$ )
8. Calculate % moisture by formula given below

$$\% \text{ Moisture} = \frac{(W_1 - W_2) \times 100}{(W_1 - W_0)}$$

Where

$W_0$  = weight of the empty Petri dish

$W_1$  = weight of the sample with Petri dish before drying

$W_2$  = weight of the sample with Petri dish after drying

**II) Residue insoluble in acid:**

**1. Reagents:**

- a) Diluted Sulphuric Acid: Dilute 2.6ml concentrated Sulphuric acid to 200ml with water.
- b) Kieselghur: Lavigated and calcinated.
  1. eigh accurately about 2g of the guar gum in a beaker.
  2. Add 150ml of diluted Sulphuric acid and stir the solution with rubber tipped glass rod.
  3. Cover the beaker with a watch glass and heat on a steam bath for 6hours, frequently rub the wall of the beaker and replace the water lost by evaporation.
  4. At the end of heating add 500mg of kieselghur accurately weighed.
  5. Filter the solution through a tared gooch crucible.

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6. Wash the residue with hot water and dry the gooch crucible with contents at  $105 \pm 2^{\circ}\text{C}$  for 3hours.
7. Cool it in a desiccators and weigh. Repeat the drying and cooling till constant mass obtained.

Calculation:

%Residue insoluble in acid:  $\frac{100 \times (M4 - (M2 + M3))}{M1}$

M1

Where

M4= mass in g of the gooch crucible with residue and kieselghur

M2= mass in g of the dry gooch crucible

M3= mass in g of the kieselghur

M1= mass in g of the material

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**III) Protein:**

**Reagents:**

1. Copper sulphate
2. Potassium sulphate
3. Con. Sulphuric acid
4. 38% Sodium hydroxide solution
5. Standard sodium hydroxide solution- 0.2N
6. Standard Sulphuric acid- 0.2N
7. Mixed Indicator solution

**Procedure:**

1. Weigh accurately about 3g of guar gum in a kjeldahl flask.
2. Add approximately 300mg of copper sulphate, 3g of potassium sulphate and 25ml of con. Sulphuric acid.
3. Heat the mixture gently till the solution become colour less for 30 minutes.
4. Cool and add 200ml of distilled water and 50ml of 38% sodium hydroxide solution cautiously. Add few pieces of pumice stone.
5. Connect the flask to the distillation apparatus. Keep the delivery tube of which extends in diluted sulphuric acid (50ml) in a 250ml flask.
6. Distil until about two- thirds of the solution has been collected in the receiving flask.
7. To the receiving flask add mixed indicator solution and titrate the excess acid with standard sodium hydroxide solution.

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8. Carry out blank determination using the same quantities of reagents and conditions of test.

Calculation:

$$\% \text{Protein} = \frac{1.75(V_1 - V_2) \times 100}{M(100 - M_1)}$$

Where

V<sub>1</sub>= volume in ml of standard sodium hydroxide used for the blank titration

V<sub>2</sub>= volume in ml of standard sodium hydroxide solution used for titration of the  
Sample

M= mass in gm of sample weight

M<sub>1</sub>= moisture %

**IV) Foreign Particles:**

1. Take 100± 0.1 gm (W<sub>1</sub>) weighed test sample in white enamel plate.
2. Separate the Foreign matter as per above defined.
3. Calculate the % Foreign Particles.

Foreign particles% = Weight of the Foreign matter x 100

Weight the test sample

**V) Through 14" & 20" mesh:**

1. Take the above remaining test sample.
2. Arrange sieves 14", 20" and collector simultaneously (14" mesh top side, 20" mesh middle and collector bottom side) and sieve the test sample.

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3. Collect the sample passed in collector(bottom side) and weigh it as  $W_2$
4. Calculate % of 20" mesh
5. % of 20" mesh =  $\frac{W_2 \times 100}{W_1}$

$W_1$

6. Collect the material retained on the 20" mesh and weigh it as  $W_3$ .
7. Calculate the % of 14" mesh passed material.

$$\% \text{ of } 14'' \text{ mesh} = \frac{(W_2 + W_3) \times 100}{W_1}$$

$W_1$

**VI) Undehusked splits:**

1. Take  $20 \pm 0.1$  gm sample from the remaining Test sample retained on the 14" mesh.
2. Separate the undehusked splits by hand picking.
3. Collect all undehusked splits in a petri dish.
4. Weigh and calculate the percent of undehusked splits.

$$\% \text{ Undehusked splits} = \frac{\text{Wt of dehusked splits collected} \times 100}{\text{Wt of the sample (20gm)}}$$

Wt of the sample (20gm)

**VII) Black, dark red and brown coloured splits :**

1. Take  $20 \pm 0.1$  gm sample from the remaining Test sample retained on the 14" mesh.
2. Separate the splits which are black, dark red and brown by hand picking.
3. Collect all black, dark red and brown splits in a petri dish.
4. Weigh the above separated splits.

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5. Calculate the percent of black, dark red and brown splits by the given formula.

%Black, dark red and brown= Wt of Black, dark red and brown X 100

Wt of the sample (20 gm)