



**SMARTCHEM TECHNOLOGIES LIMITED**

Registered Office: SAI HIRA, SURVEY NO 93, MUNDHWA, PUNE - 411036

Works at: PLOT K1 MIDC INDUSTRIAL AREA, TALOJA DIST: RAIGAD.

Reference –STL-KJK-Bags-RA-2019-20

Date: 26.02.2019

**ANNUAL RATE CONTRACT FOR PROCUREMENT OF PP BAGS FOR YEAR 2019-20 THROUGH ONLINE REVERSE AUCTION**

**SMARTCHEM TECHNOLOGIES LTD (STL)**, one of the leaders in fertilizers and Technical Ammonium Nitrate intends to invite Annual Rate Contract for supply of different PP Bags for packing of NPK/NP/LDAN for its Plants located at Taloja, Dist. Raigad Maharashtra-India. The listed manufacturers of PP/HDPE bags are invited to submit Tender proposal for technically pre-qualified suppliers of STL and Price proposal should be through online reverse auction for the said items.

Details of terms and conditions, special conditions, formula-based pricing is as per attached **ANNEXURE-D**.

Details specifications of raw materials grade for each type bags are as per attached **ANNEXURE-C** Technically prequalified suppliers only by STL against this tender shall be allowed to participate in online reverse auction procedure for contract finalization.

Estimated annual quantity of each types of bags are as per attached **ANNEXURE-B**. Supplier should fill monthly/annual commitment quantity as per attached format at **ANNEXURE-E** and send along with tender document.

Tender document filled, signed & stamped on each page super scribing "**Tender For procurement of PP bags**" should reach our Taloja office on or **before 04.03.2019 by 17.30 hours**. Technically pre-qualified suppliers only shall be allowed to participate in Online Reverse Auction, subject to total compliance of terms and conditions of tender document and payment of EMD of Rs.1 Lac and submission of declarations as specified at **ANNEXURE -A**.

The suppliers who do not fulfill all or any of the conditions laid down in the tender document are liable to be ignored at the sole discretion of STL. STL also reserves the right to reject any/all the offers without assigning any reason thereof.

Thanking you,  
Yours faithfully,

For Smartchem Technologies Limited  
(.....)  
Krishnakant J Kulkarni  
Assistant General Manager (Purchase)

**ANNEXURE-I**  
**SMARTCHEM TECHNOLOGIES LIMITED**

**Reference –STL-KK-Bags-RA-2019-20**

**Date: 26.02.2019**

**Notice inviting Technical Tender For procurement of PP bags for year 2019-2020.**

1. **Closing date & time:** 04.03.2019 at 17.30 Hours
2. **Tenders to be submitted to:** Krishnakant Kulkarni AGM (Purchase)  
Deepak Fertilizers & Petrochemicals Corporation  
LTD.  
Plot K-1 Talaja Ind. Area. Talaja

Tender document duly signed and along with DD towards EMD received after the closing date and time will not be considered. STL will in no way be responsible for the tender document received late for whatsoever reasons.

However, in case of any help / clarification regarding this tender document, specifications you may contact any one of the following

officials:

Name- Krishnakant Kulkarni

Name – Dr. Satish C Saini

Designation- AGM (Purchase)

Designation– HOD (QA/QC)

Contact No.- 022 50684129

Contact No.- 022 50684231,

Email

– [Email-satish.saini@dfpcl.com](mailto:Email-satish.saini@dfpcl.com)

[Krishnakant.kulkarni@dfpcl.com](mailto:Krishnakant.kulkarni@dfpcl.com)

**SPECIAL TERMS AND CONDITIONS.**

4.1 The procurement of bags will be done as per formula-based pricing as under.  
Raw material price (Rs/Kg) x weight of fabric/laminations /liners (grams)+ fixed conversion cost fabrics/liners (Rs/kg).

4.2 Raw material cost for **fabric for AN-PP Bags with liner** will be calculated as under  
RM price (Rs/Kg) x 89% of weight of fabric.

Raw material cost for **fabric for NP/NPK Bags without liner** will be calculated as under  
RM price (Rs/Kg) x 98% of weight of fabric.

For Example: For AN-PP bags with liner

If weight of fabric is 100 Gm, then Raw material cost for fabric will be equal to RM price (Rs/Kg) x 89 Gm

For NP/NPK bags without liner

If weight of fabric is 100 Gm, then Raw material cost for fabric will be equal to RM price (Rs/Kg) x 98 Gm

4.3 The RM price will be Ex-Reliance work, net of GST prevailing as on 20th of previous month will be considered for current month supply of bag (Example—RM price prevailing on 20th of Feb-19 will be considered for bag supply during month March-19).

4.4 Bidders has to quote only conversion cost per kg for bags and liners separately through online reverse auction and not to calculate or quote cost of each bag.

4.5 Conversion cost should consist of manufacturing, labor, profit, overheads, credit cost, loading, freight, GST if applicable, etc...

4.6 IIP certification charges will be borne by successful bidders for all types of bags.

4.7 EMD amount of Rs.1 lakh to be submitted by technically qualified suppliers prior to auction by demand draft in favor of SMARTCHEM TECHNOLOGIES LIMITED, Mumbai.

The tenders without E.M.D. shall be liable for rejection. If for any reason the bidder withdraws his bid at any time prior to expiry of the validity period or refuses to execute the work/supplies after issue of the letter of intent/purchase Order, the amount of Earnest Money is liable to be forfeited. Earnest Money Deposit will not carry interest. E.M.D. of the unsuccessful participated bidders will be refunded as soon as possible.

4.8 Prequalified bidders should submit commitment quantity supply monthly/annually for each types of bags as per STL format along with tender document prior to auction.

4.9

a) The bidders are advised to read carefully all the terms and conditions of the tender document which will form part of the contract.

b) If the Supplier give wrong information deliberately to create conditions for acceptance of the tender, the STL reserves the right to reject such tenders without assigning any reason and forfeit the EMD amount.

c) Not more than one tender will be submitted by one Supplier for the same work.

## **5. Scope of Work:**

5.1 Tenders are invited from manufacturer of bags for supply of different types of bags as per STL specifications/RM grades as per ANNEXURE C.

5.2 Printing of bags as per STL Artwork for each type of bags number of colours for printing ranges from Min 02 to Max 06 colours, flexographic printing varies from different types of bags.

5.3 Successful bidders have to ensure timely quality supply of bags as per STL schedule communicated to time to time.

5.4 Loading, transporting of bags to destinations assigned by STL will be in the scope of suppliers.

5.5 Assignment of this contract to any third party or supply of bags from third party is strictly prohibited and considered as breach of contract & may lead to imposition of penalty and /or termination of contract.

5.6 Annual Quantity of various types of bags mentioned in ANNEXURE -B is estimated quantity and may increase or decrease as per STL production requirement.

5.7 Quality inspection of bags will be done by STL on receipt, STL decision on quality of bags will be final and binding on suppliers. STL shall also have right to reject the consignment on basis of quality.

5.8 Inspection and testing method of bags will be conducted as per following standards.

a. Test method for determination of breaking strength of bags—IS 9755:2003 & IS 6192:1986.

b. Test method for determination of visual inspection, dimension & mass of bags IS 9755:2003 & IS6192:1986

5.9 Rejection of bags, if any, will be lifted within 7 (seven) days from rejection and replacement of these bags should be done on priority.

If Supplier fails to lift rejected bags within 30 days from date of rejection, STL will arrange for disposal of rejected bags without any liability or any compensation thereof to the supplier and the cost will be billed to the supplier.

5.10 For the rejected bags the Supplier shall be responsible for disposing/ scrapping the rejected bags by defacing, by putting crossing mark by paint on printed artwork. The Supplier shall not sale the rejected bags in open market without defacing the same.

## **6. Duration & validity of contract:**

6.1 The period of contract shall be One (1) year from the date of award of contract/purchase order. However, the company may terminate the contract earlier without any notice if in the opinion of the Company the performance of the supplier is not satisfactory or in the event of breach of contract terms and condition, force majeure or at convenience.

6.2 The period of contract may be extended for further period of three (03) months with same terms and conditions which will be at the sole discretion of STL.

6.3 The rates quoted shall be firm during the entire period of the contract and no escalation, whatsoever, on any account would be considered except on account of increase/ decrease in the prices of raw materials as per formula-based pricing mention in ANNEXURE D.

## **7. Commencement of work:**

The Supplier(s) shall start supplying of bags within 20 days from the date of Contract/ purchase order issued by STL and thereafter as per schedule communicated from time to time by STL during contract period as per specified delivery date in the PO/email.

## **8. Payment terms:**

a. A clean credit of 90 days from date of receipt of goods at STL end for non-registered MSME vendor and 45 days credit from date of receipt of goods at STL end for MSME registered vendor. Payment shall be released by **RTGS** (Real Time Gross Settlement) **or EFT** (Electronic Fund Transfer). Successful suppliers shall provide the requisite details of their Account No., Cancelled Cheque, Name & Branch code of Bank, Acceptance to STL for release of payment.

b. **Penalty Clause:** If the Supplier fails to fulfill the contract or any part thereof within the period prescribed for such completion, STL shall have any of the following options, at its sole discretion.

i) **LATE DELIVERY:** The Supplier shall be liable to pay late delivery penalty charges of 0.5% per week delay from agreed delivery date (Through email communication. If there is a change in delivery schedule further to the earlier communication, later one will supersede previous one) or part thereof for the value of such contract or portion thereof, subject to a maximum of 5 % (Five) of basic amount of order.

ii) To cancel the contract or portion thereof and obtain the goods from any other source at the risk and cost of the supplier.

iii) To treat the default as breach of contract, quality, delivery and rejection of bags and at sole discretion to terminate the contract, forfeiting the earnest money

deposit or security deposit. STL shall also retain option of debarring the supplier from participating in any future tenders of STL, for any desired period.

iv) In case STL has to procure bags from other sources at higher price due to non-supply, rejection, late delivery or any failure on the part of supplier then higher cost incurred by STL will be recovered from supplier.

v) During delivery for

a) Non-use of PPEs like Helmet, Safety Shoes

b) Use of Mobile inside factory premises

Penalty @ Rs 1000 /- Per incident will be levied.

vi) For damage to the company property, double the cost of repairing will be recovered from supplier.

vii) If Sub-Standard quality of bags are supplied by the Supplier, the Supplier will be liable for any damage caused to STL & same shall be recovered from the supplier as felt appropriate by STL.

### **9. Security Deposit:**

Security deposit of Rs 25 Lacs as part of performance guarantee for quality and timely fulfillment of bag supplies against contract has to be paid by successful Supplier before commencement of job or within 15 days from date of placement of Contract / PO. No exemption will be made in payment of Security deposit. The security deposit will be retained by the company during validity of the contract and further three months after expiry of contract term. The successful Supplier shall on receipt of intimation from STL, regarding the acceptance of his Tender furnish security deposit by way of Bank guarantee of any nationalized bank only as per STL bank Guarantee format.

### **10. Conditional Offer:**

Conditional offers will not be accepted under any circumstances and such bids will be rejected in totality.

### **11. Eligibility Criteria: -**

(a) Supplier should be a manufacturer of PP/HDPE bags since last Three (03) years and should have industry customer base like fertilizers, cement, food grains, industrial chemicals etc. during such period. The supplier shall attach Documents viz. Work Orders, contracts in support of the same.

(b) Supplier should have minimum 05 lacs bags/month manufacturing capacity, Supplier will relevant proof of documents like purchase orders/contracts etc. for bags supplied to fertilizer industry should be attached.

(c) The supplier shall be capable to manufacturer fertilizers bags as per IS 9755:2003.

(d) Supplier should have comprehensive infrastructure facilities including quality control measures and own lamination and liner plant under one shed/premises.

(e) Certificate of GST registration should be attached.

(f) Copy of PAN under Income Tax Act in the name of the Supplier should be attached.

(g) Suppliers black listed by DFPCL/STL/Other Public Sector Undertakings / Co-operative Sector **OR** de-listed by the above-referred Organizations in the last two years shall not be considered and such bids will be rejected **(Supplier must submit an undertaking as per ANNEXURE "A")**

(h) Only one entity out of Sister concerns under the same management / group/ proprietor/ partners or having any other common criteria shall be considered for pre-qualification. **(Supplier has to submit an undertaking as per ANNEXURE "A") Documentary evidence in support of above to be submitted**

j) Only pre-qualified suppliers technically approved by STL are allowed to participate in on line reverse auction.

**12.** Supplier must satisfy himself completely regarding terms & conditions of the tender, scope of work and working conditions at the units and get clarification, if any, before submitting the tender.

**13.** Supplier shall not refuse to provide any other information, clarifications or documents, if required by STL during contract period.

**14.** No oral, telephonic, telex, fax email, or telegraphic tenders or modification thereof will be entertained.

#### **15.DECLARATION OF SUPPLIERS RELATIONS WITH DFPCL/STL EMPLOYEES:**

Should a supplier have a relation or in the case of a firm, one or more of its partners have a relation or relative employed in DFPCL/STL or in case of Company any of its official are in relations with DFPCL/STL employee, the authority inviting tenders shall be informed in writing of the fact at the time of submission of the tender. If so, the name, designation, department and Employee Number of such employees be indicated failing which DFPCL/STL may in its sole discretion reject the tender or rescind the contract. If any ex- employee(s) of DFPCL/STL is/are employed, with the Supplier, the Supplier will provide, name, designation, department and employee number of such employee(s) be indicated and if any ex-employee(s) of DFPCL/STL is/are employed after acceptance of tender, the said particulars shall also be intimated immediately in writing to DFPCL/STL from time to

time. If the Supplier fails to inform the same, DFPCL/STL shall at sole discretion may reject the tender.

**16.** STL reserves the right to accept at its sole and unfettered discretion any of the tenders or part thereof or to reject any or all the tenders or split and award work between more than one Suppliers without assigning any reasons whatsoever.

**17.** The Supplier (s) shall not be entitled to any claim including any cost, charges, TA/DA expenses or incidentals for the preparation and submission of this tender even if the Management may decide to withdraw the "NIT".

### **18. AMENDMENT TO NIT (Notice Inviting Tender)**

At any time prior to the deadline for submission of bids, STL or its nominee or its consultants may for any reason, whether at its own initiative or otherwise or in response to any clarification requested by a prospective Bidder, modify the NIT by amendment. The amendment will be notified in writing to all prospective Bidders who have received the NIT and the amendment will be binding on them. In order to afford prospective Bidders reasonable time to take the amendment into account in preparing their tenders, extension of time as may be reasonable, will be given for submission of tenders

**19.** The rates quoted by the suppliers in e-auction shall remain firm during the contract period and also during the extended period, if any. No escalation on any other ground shall be allowed.

### **20. SUPPLIER/CONTRACTOR TO BE LIABLE FOR ALL TAXES ETC.:**

The Supplier shall be liable to pay all the taxes payable as per the statute. STL shall not be responsible for the same.

**21.** STL'S decision for award of Contract shall be final and binding on all the Suppliers

**22.** STL shall not have any liability to Suppliers for any interruption or delay in access to the site irrespective of the cause during E-auction.

### **23. INDEMNITY**

Without prejudice to any other provisions in these conditions, the Supplier shall be bound to keep STL or any representative or employee of STL fully indemnified against any action, claim or proceedings under the provisions of any rules, regulations, bye-laws, notifications, directions or order having the force of law.

The Supplier in contravention of such provisions etc., for the infringement or violation thereof in the course of the execution or completion of the work under the Contract and if, as a result of any such action, claim or proceedings, the Supplier or such representative of the Supplier, as the case may be, adjudged to be liable to any penalties or to pay any compensation, such liability and if, STL has to take-over



the liability, STL shall deduct all amounts arising out of such liabilities from the amounts payable or from Security Deposit of the Supplier or from any other amount due and payable by STL to the Supplier under this Contract or any other Contract and without prejudice to any other legal remedy available to STL.

### **23. FORCE MAJEURE:**

Neither Supplier(s) nor STL shall be liable for any claim on account of any loss, damage or compensation, whatsoever, arising out of any failure to carry out the terms of this contract where such failure is caused due to war, hostilities, revolutions, epidemics, rebellion, mutiny, civil commotion, fire riots, earthquake, drought, floods, civil commotion, strike, act of God or due to any restraint or regulations of the State or Central Govt. or a local authority/authorities provided a notice of such occurrence is given to other party in writing within seven (7) days of the occurrence of force majeure conditions, furnishing therewith a documentary evidence supporting the invocation of force majeure clause. On cessation of force majeure, the supplier(s) invoking force majeure conditions shall also give documentary evidence thereof to this effect i.e cause of force majeure and for the duration of force majeure. In case of force majeure lasting continuously for a period of 30 (thirty) days, both the parties should consult each other regarding the future execution of the contract. No other cause shall be considered to be the cause of force majeure.

### **24. TERMINATION OF CONTRACT IN FULL OR PART:**

A) If the suppliers(s):

i) fails to supply quantity of bags as per STL schedule after acceptance of tender/order or

ii) supplier has failed to supply bags as per quality of bags specified by STL or

iii) become bankrupt or insolvent or

iv) make an arrangement with or assignments in favour of his creditors, or inspection of his creditors or

v) being a company or corporation, goes into liquidation (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) or

vi) have an execution levied on his goods or property on the works or

vii) assign, transfer, sublets the contract or any part thereof, otherwise, than if any, as provided in the contract or

viii) unilateral stoppage of work or

ix) abandon the contract or

- x) persistently disregard the instructions of STL or
  - xi) fail to adhere to the quantity and quality specifications of STL
  - xii) contravenes any provision of contract or
  - xiii) shall obtain a contract with STL as a result offering tendering or other non-bona fide methods of competitive tendering or
  - xiv) Order can be terminated by STL without giving any notice, incase of Supplier is not adhering to Specifications/Delivery schedules/Quality Plan.
  - xv) Order can be terminated by STL without giving any notice, due to non-supply of bags in stipulated delivery schedules.
- B) If STL commits breach of any of the terms of this Agreement and fails to rectify the same within 30 days of receipt of intimation of breach from the Supplier, Supplier shall be entitled to terminate the agreement with immediate effect without any financial liability on their side.
- C) Both the parties can terminate the contract by giving 90 days advance notice in writing to the non-terminating party.

## **25. ARBITRATION**

Any dispute, difference, claim or question of interpretation of any nature arising between the parties with regard to this Tender/ Purchase Order/ Work Order/ Agreement regarding the meaning, respective rights, claims, liabilities and obligations under this Tender/ Purchase Order/ Work Order/ Agreement, including any question regarding its existence, validity or termination which is not resolved by amicable settlement shall be settled by arbitration in accordance with the Rules of Arbitration of the Indian Council of Arbitration (ICA) or any enactment or amendment thereof. Award passed shall be final and binding on both the parties. The venue of such arbitration proceedings shall be at Mumbai (India) and for interim relief under the Act, courts at Panvel shall have the exclusive jurisdiction over this Agreement.

## **26. JURISDICTION:**

The Court at Panvel, Maharashtra shall have exclusive Jurisdiction to deal with and decide any matter concerning the implementation, interpretation or rights and liabilities, termination or any legal matter whatsoever arising out of this Tender/ Purchase order or any agreement entered between the Vendor/ Supplier and Company

## **27. Job Controller:**

Mr. Krishnakant J Kulkarni-AGM (Purchase) of DFPCCL shall be the job controller.

**28.** The rates quoted by the suppliers shall remain firm till the completion of contract period and also during extended period if any. No escalation on any other ground shall be allowed.

**ALL THE TERMS AND CONDITIONS OF TECHNICAL TENDER DOCUMENT ARE ACCEPTED.**

Dated:

Place:

Sign & Stamp

**ANNEXURE -A** (On letter head)

**UNDERTAKING**

I, ..... S/o Sh. ...., aged ..... years, working as Proprietor / Partner / Director / Authorized Signatory on behalf of M/s ..... , having registered office at ..... hereby solemnly affirm and declare as under:

(a) That no other Firm / Sister concern/ Associate belonging to the same group is participating / submitting this tender.

(b) That the bidder, their associate, sister concern etc. have not been blacklisted / de-listed or put on hold by any Institutional Agency/ Govt. Department / Public Sector Undertaking in the last two years.

In case any information or fact is found untrue or false, I may be disqualified/debarred from all future dealings with STL.

Dated:  
Representative)

(Signature of Authorized

Place:

(Seal of the Firm)

## **ANNEXURE-B**

We furnish below details of STL tentative annual requirements of various grades of NP, NPK, LDAN, Marketing –PP grade bags for the year 2019-20.

### **GRADE OF BAG**

### **QUANTITY(ANNUAL)**

#### **NP BAGS: PP Bags**

1. NP 50 Kg –Without Liner

60 Lacs Nos

#### **Delivery at K-1 Plants at Taloja, Dist. Raigad**

#### **NPK BAGS: PP Bags:**

120 Lacs Nos

1. NPK 50 Kg – N10 Without Liner
2. NPK 50 Kg – N12 Without Liner
3. NPK 50 Kg – N20 Without Liner
4. NPK 50 KG – N15 Without Liner
5. NPK 50 Kg – N10 SMARTEK Without Liner
6. NPK 50 Kg – N12 SMARTEK Without Liner
7. NPK 50 Kg – N20 SMARTEK Without Liner

#### **Delivery at K-1 Plants at Taloja, Dist. Raigad**

#### **AN -PP BAGS WITH LINERS:**

1.OPTIFORM 50 Kg- With Liner (Size-24"x 38") K1 Plant 30 Lacs Nos

#### **Delivery at K-1 Plants at Taloja, Dist. Raigad**

- |                             |             |
|-----------------------------|-------------|
| 2. LDAN 50 Kg with Liner K8 | 25 Lacs Nos |
| 3. LDAN 25 Kg with Liner K8 | 15 Lacs Nos |
| 4. HDAN 50 Kg with Liner K8 | 12 Lacs Nos |
| 5. HDAN 50 Kg with Liner K7 | 24 Lacs Nos |

#### **Delivery at K-7, K-8 Plants at Taloja, Dist. Raigad**

**Quantity shown above are approximate and may increase or decrease based on STL requirement.**

## **ANNEXURE C**

### **RAW MATERIAL DETAILS**

THE PUBLISHED (LIST) PRICE OF 'RIL' AS ON 20TH OF PREVIOUS MONTH IS CONSIDERED FOR SUPPLIES MADE DURING THE MONTH.

BASIS OF RM LANDED PRICE CALCULATIONS PER MT:

**BASIC RATE + GST (AS APPLICABLE) - GST**

RAW MATERIAL GRADES TO BE USED FOR BAGS ARE AS UNDER.

FOR P.P. BAGS

A) FABRIC : GRADE H030SG (RIL)

B) LAMINATION : GRADE H350FG (RIL)

FOR LDPE LINERS : GRADE 24FS040(RIL)

FOR HMHDPE LINERS : GRADE 50GF003(RIL)

## **ANNEXURE D**

### **FORMAT FOR FORMULA BASED PRICING**

<b>RAW MATERIAL COST</b> AS PER RIL MONTHLY PRICE LIST	RAW MATERIAL COST PREVAILING AS ON 20TH OF PREVIOUS MONTH WILL BE CONSIDERED FOR CURRENT MONTH SUPPLY	
<b>CONVERSION COST FOR BAG (TO BE QUOTED IN ONLINE BID) --IN KG</b>	1 PP BAGS (NP/NPK/LDAN BAGS)	CONVERSION COST PER KG TO BE BID ONLINE AUCTION
<b>CONVERSION COST FOR LINER IN KG</b>	1.LDPE LINERS 2.HMHDPE LINER	CONVERSION COST PER KG TO BE BID ONLINE AUCTION
<b>GST</b>	GST EXTRA AS APPLICABLE	
<b>FREIGHT</b>	FREE DELIVERY TO ALL DESTINATIONS AS PER ANNEXURE B	

Raw material cost for fabric will be calculated as under

a) **For AN PP Bags with Liner** - RM price (Rs/Kg) x 89% of weight of fabric  
For Example: If weight of fabric is 100 Gm, then Raw material cost for fabric will be equal to RM price (Rs/Kg) x 89 Gm

b) **For NPK/NP Bags without Liner** RM price (Rs/Kg) x 98% of weight of fabric  
For Example: If weight of fabric is 100 Gm, then Raw material cost for fabric will be equal to RM price (Rs/Kg) x 98 Gm

#### **BASIS OF RM LANDED PRICE CALCULATIONS PER MT:**

**BASIC RATE + GST (AS APPLICABLE) - GST**

**\*PS: PLEASE NOTE CONVERSION COST SHOULD INCLUDE ELECTRICITY, LABOUR, PRINTING, CUTTING, BALEING, LOADING & UNLOADING, FREIGHT, GST IF APPLICABLE OTHER OVERHEAD COSTS AND YOUR PROFIT MARGIN**

**ANNEXURE- E**

**FORMAT FOR COMMITMENT QUANTITY (MONTHLY/ANNUAL)**

Sr. No	Bag Type	Total STL Requirement (Bag)	Commitment Qty. Monthly (Bag)	Commitment Qty. Annual (Bag)
	<b>NPK &amp; NP Bags</b>			
i	NP 50 Kg – N24 Without Liner			
ii	NPK 50 Kg – N10 Without Liner			
iii	NPK 50 Kg – N12 Without Liner			
iv	NPK 50 Kg – N20 Without Liner			
v	NPK 50 Kg – N10 SMARTEK Without Liner			
vi	NPK 50 Kg – N12 SMARTEK Without Liner			
vii	NPK 50 Kg – N20 SMARTEK Without Liner			
viii	NPK 50 Kg – N15 without liner			
a	<b>Total NP &amp; NPK Bags without liner</b>			
b	Optiform 50 Kg with liner (Size 24"x 38") – K1			
c	LDAN Optimex 50 Kg with Liner -K8			
d	LDAN Optimex 25 Kg with Liner -K8			
e	Optiform 50 Kg with Liner- K8			
f	Optiform 50 Kg with Liner -K7			
	<b>Grand Total (a+b+c+d+e+f)</b>			

Supplier should fill monthly/annual commitment quantity and should be send along with tender document

Note: Filling of rows Total(a), Total (b) & Grand Total (a+b+c+d+e+f) is mandatory





Smartchem Technologies Limited, Taloja, Maharashtra, India-K1

Packing Material - Bag Specification

Title	NPK 12:32:16	DC No.	QA/ PM/ SPE/ BAG/ NPK / 04
Issue Date	06-Aug-18	Review Date	5-Aug-20
Unit	STL, K1	Version	2.2
Sr. No.	Characteristics	UOM	Specification
1	Material code	NA	1100000550
2	Bag capacity	Kg	50
3	Total Weight	gm	124 (+/- 6%)
4	Average Weight of sample	gm	124
5	*Weight of fabrics with thread	gm	98 (+/- 6%)
6	*Weight of Lamination	gm	26 (+/- 6%)
7	*Weight of liner	gm	NA
8	Length (inner dimension)	mm	1040 (+ /- 10)
9	Width (inner dimension)	mm	520 (+/- 10)
10	*Grade of fabric	NA	HO30SG or equivalent
11	Color of fabric	NA	Milky white
12	*Denier of tapes (gm / 9000 meter)	Denier	1000 (+/-10%)
13	*Mesh Size	No.	10 x 10
14	*UV stabilizer: (Ultra Violet master batch with loading @20% UV stabilizer)	%w/w	3
15	*Grade of PP lamination	NA	H350EG or equivalent
16	*Colour of lamination	NA	Natural & opaque
17	Overlap/overhang (Max)	mm	10 on each side
18	*Liner spec.	NA	NA
19	*Grade of liner	NA	NA
20	Ash content as CaCO <sub>3</sub>	%w/w	2.0 to 2.5
21	Extra poly after lamination	mm	Max 10 on each side
Prepared by	Checked by	Approved by	

AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales
22	Average breaking strength along with width (WEFT)		Kgf	95 (none of the individual value is less than 10% of specified value)
23	Average breaking strength along with length (WARP)		Kgf	85 (none of the individual value is less than 10% of specified value)
24	Average breaking strength along with bottom seam		Kgf	40 (none of the individual value is less than 10% of specified value)
25	Ink test water wash ability		NA	Resistance to saturated NP solution scrub test
26	*Elongation at break of fabric Length wise		%	20 (+ 5)
27	*Elongation at break of fabric Width wise		%	20 (+ 5)
28	*Drop test from height of 2 meters from all sides (4 drops per bag)		NA	The bags during drop test will be dropped on the stomach. No bag should rupture
29	Printing Art Work		NA	NPK 12:32:16
<p>Reference:</p> <p>1 QA/PM/SPE/BAG/NPK/01</p> <p>2 IS 1969 - 1985 (Reaffirmed 2006)</p> <p>3 IS 9755: 2003</p> <p>4 IS 14887:2014</p> <p>* Tests to be performed by manufacturer, accepted based on COA from manufacture</p>				
Prepared by	Checked by	Approved by		
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Packing Material - Bag Specification

Title	NPK 12:32:16	DC No.	QA/ PM/ SPE/ BAG/ NPK / 05
Issue Date	06-Aug-18	Review Date	5-Aug-20
Unit	STL, K1	Version	2.2
Sr. No.	Characteristics	UOM	Specification
1	Material code	NA	1100000510
2	Bag capacity	Kg	50
3	Total Weight	gm	124 (+/- 6%)
4	Average Weight of sample	gm	124
5	*Weight of fabrics with thread	gm	98 (+/- 6%)
6	*Weight of Lamination	gm	26 (+/- 6%)
7	*Weight of liner	gm	NA
8	Length (inner dimension)	mm	1040 (+ /- 10)
9	Width (inner dimension)	mm	520 (+/- 10)
10	*Grade of fabric	NA	HO30SG or equivalent
11	Color of fabric	NA	Milky white
12	*Denier of tapes (gm / 9000 meter)	Denier	1000 (+/-10%)
13	*Mesh Size	No.	10 x 10
14	*UV stabilizer: (Ultra Violet master batch with loading @20% UV stabilizer)	%w/w	3
15	*Grade of PP lamination	NA	H350EG or equivalent
16	*Colour of lamination	NA	Natural & opaque
17	Overlap/overhang (Max)	mm	10 on each side
18	*Liner spec.	NA	NA
19	*Grade of liner	NA	NA
20	Ash content as CaCO <sub>3</sub>	%w/w	2.0 to 2.5
21	Extra poly after lamination	mm	Max 10 on each side
Prepared by	Checked by	Approved by	

AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales
22	Average breaking strength along with width (WEFT)		Kgf	95 (none of the individual value is less than 10% of specified value)
23	Average breaking strength along with length (WARP)		Kgf	85 (none of the individual value is less than 10% of specified value)
24	Average breaking strength along with bottom seam		Kgf	40 (none of the individual value is less than 10% of specified value)
25	Ink test water wash ability		NA	Resistance to saturated NP solution scrub test
26	*Elongation at break of fabric Length wise		%	20 (+ 5)
27	*Elongation at break of fabric Width wise		%	20 (+ 5)
28	*Drop test from height of 2 meters from all sides (4 drops per bag)		NA	The bags during drop test will be dropped on the stomach. No bag should rupture
29	Printing Art Work		NA	'NPK 10:26:26
<p>Reference:</p> <p>1 QA/PM/SPE/BAG/NPK/02</p> <p>2 IS 1969 - 1985 (Reaffirmed 2006)</p> <p>3 IS 9755: 2003</p> <p>4 IS 14887:2014</p> <p>* Tests to be performed by manufacturer, accepted based on COA from manufacturer</p>				
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Packing Material - Bag Specification

Title	NPK 12:32:16	DC No.	QA/ PM/ SPE/ BAG/ NPK / 06
Issue Date	06-Aug-18	Review Date	5-Aug-20
Unit	STL, K1	Version	2.2

Sr. No.	Characteristics	UOM	Specification
1	Material code	NA	1100000560
2	Bag capacity	Kg	50
3	Total Weight	gm	124 (+/- 6%)
4	Average Weight of sample	gm	124
5	*Weight of fabrics with thread	gm	98 (+/- 6%)
6	*Weight of Lamination	gm	26 (+/- 6%)
7	*Weight of liner	gm	NA
8	Length (inner dimension)	mm	1040 (+ /- 10)
9	Width (inner dimension)	mm	520 (+/- 10)
10	*Grade of fabric	NA	HO30SG or equivalent
11	Color of fabric	NA	Milky white
12	*Denier of tapes (gm / 9000 meter)	Denier	1000 (+/-10%)
13	*Mesh Size	No.	10 x 10
14	*UV stabilizer: (Ultra Violet master batch with loading @20% UV stabilizer)	%w/w	3
15	*Grade of PP lamination	NA	H350EG or equivalent
16	*Colour of lamination	NA	Natural & opaque
17	Overlap/overhang (Max)	mm	10 on each side
18	*Liner spec.	NA	NA
19	*Grade of liner	NA	NA
20	Ash content as CaCO <sub>3</sub>	%w/w	2.0 to 2.5
21	Extra poly after lamination	mm	Max 10 on each side

Prepared by	Checked by	Approved by	

AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales
22	Average breaking strength along with width (WEFT)		Kgf	95 (none of the individual value is less than 10% of specified value)
23	Average breaking strength along with length (WARP)		Kgf	85 (none of the individual value is less than 10% of specified value)
24	Average breaking strength along with bottom seam		Kgf	40 (none of the individual value is less than 10% of specified value)
25	Ink test water wash ability		NA	Resistance to saturated NP solution scrub test
26	*Elongation at break of fabric Length wise		%	20 (+ 5)
27	*Elongation at break of fabric Width wise		%	20 (+ 5)
28	*Drop test from height of 2 meters from all sides (4 drops per bag)		NA	The bags during drop test will be dropped on the stomach. No bag should rupture
29	Printing Art Work		NA	'NPK 20:20:0:13
<p>Reference:</p> <ol style="list-style-type: none"> <li>1 QA/PM/SPE/BAG/NPK/03</li> <li>2 IS 1969 - 1985 (Reaffirmed 2006)</li> <li>3 IS 9755: 2003</li> <li>4 IS 14887:2014</li> </ol> <p>* Tests to be performed by manufacturer, accepted based on COA from manufacturer</p>				
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Packing Material - Bag Specification

Title	NPK 12:32:16	DC No.	QA/ PM/ SPE/ BAG/ NPK / 07
Issue Date	06-Aug-18	Review Date	5-Aug-20
Unit	STL, K1	Version	2.2
Sr. No.	Characteristics	UOM	Specification
1	Material code	NA	N10S
2	Bag capacity	Kg	50
3	Total Weight	gm	124 (+/- 6%)
4	Average Weight of sample	gm	124
5	*Weight of fabrics with thread	gm	98 (+/- 6%)
6	*Weight of Lamination	gm	26 (+/- 6%)
7	*Weight of liner	gm	NA
8	Length (inner dimension)	mm	1040 (+ /- 10)
9	Width (inner dimension)	mm	520 (+/- 10)
10	*Grade of fabric	NA	HO30SG or equivalent
11	Color of fabric	NA	Milky white
12	*Denier of tapes (gm / 9000 meter)	Denier	1000 (+/-10%)
13	*Mesh Size	No.	10 x 10
14	*UV stabilizer: (Ultra Violet master batch with loading @20% UV stabilizer)	%w/w	3
15	*Grade of PP lamination	NA	H350EG or equivalent
16	*Colour of lamination	NA	Natural & opaque
17	Overlap/overhang (Max)	mm	10 on each side
18	*Liner spec.	NA	NA
19	*Grade of liner	NA	NA
20	Ash content as CaCO <sub>3</sub>	%w/w	2.0 to 2.5
21	Extra poly after lamination	mm	Max 10 on each side
Prepared by	Checked by	Approved by	

AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales
22	Average breaking strength along with width (WEFT)		Kgf	95 (none of the individual value is less than 10% of specified value)
23	Average breaking strength along with length (WARP)		Kgf	85 (none of the individual value is less than 10% of specified value)
24	Average breaking strength along with bottom seam		Kgf	40 (none of the individual value is less than 10% of specified value)
25	Ink test water wash ability		NA	Resistance to saturated NP solution scrub test
26	*Elongation at break of fabric Length wise		%	20 (+ 5)
27	*Elongation at break of fabric Width wise		%	20 (+ 5)
28	*Drop test from height of 2 meters from all sides (4 drops per bag)		NA	The bags during drop test will be dropped on the stomach. No bag should rupture
29	Printing Art Work		NA	'NPK 10:26:26 SMARTEK
<p>Reference:</p> <ol style="list-style-type: none"> <li>1 QA/PM/SPE/BAG/NPK/02</li> <li>2 IS 1969 - 1985 (Reaffirmed 2006)</li> <li>3 IS 9755: 2003</li> <li>4 IS 14887:2014</li> </ol> <p>* Tests to be performed by manufacturer, accepted based on COA from manufacturer</p>				
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Smartchem Technologies Limited, Taloja, Maharashtra, India-K1

Packing Material - Bag Specification

Title	NPK 12:32:16	DC No.	QA/ PM/ SPE/ BAG/ NPK / 08
Issue Date	06-Aug-18	Review Date	5-Aug-20
Unit	STL, K1	Version	2.2

Sr. No.	Characteristics	UOM	Specification
1	Material code	NA	N12S
2	Bag capacity	Kg	50
3	Total Weight	gm	124 (+/- 6%)
4	Average Weight of sample	gm	124
5	*Weight of fabrics with thread	gm	98 (+/- 6%)
6	*Weight of Lamination	gm	26 (+/- 6%)
7	*Weight of liner	gm	NA
8	Length (inner dimension)	mm	1040 (+ /- 10)
9	Width (inner dimension)	mm	520 (+/- 10)
10	*Grade of fabric	NA	HO30SG or equivalent
11	Color of fabric	NA	Milky white
12	*Denier of tapes (gm / 9000 meter)	Denier	1000 (+/-10%)
13	*Mesh Size	No.	10 x 10
14	*UV stabilizer: (Ultra Violet master batch with loading @20% UV stabilizer)	%w/w	3
15	*Grade of PP lamination	NA	H350EG or equivalent
16	*Colour of lamination	NA	Natural & opaque
17	Overlap/overhang (Max)	mm	10 on each side
18	*Liner spec.	NA	NA
19	*Grade of liner	NA	NA
20	Ash content as CaCO <sub>3</sub>	%w/w	2.0 to 2.5
21	Extra poly after lamination	mm	Max 10 on each side

Prepared by	Checked by	Approved by	

AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales
22	Average breaking strength along with width (WEFT)		Kgf	95 (none of the individual value is less than 10% of specified value)
23	Average breaking strength along with length (WARP)		Kgf	85 (none of the individual value is less than 10% of specified value)
24	Average breaking strength along with bottom seam		Kgf	40 (none of the individual value is less than 10% of specified value)
25	Ink test water wash ability		NA	Resistance to saturated NP solution scrub test
26	*Elongation at break of fabric Length wise		%	20 (+ 5)
27	*Elongation at break of fabric Width wise		%	20 (+ 5)
28	*Drop test from height of 2 meters from all sides (4 drops per bag)		NA	The bags during drop test will be dropped on the stomach. No bag should rupture
29	Printing Art Work		NA	'NPK 12:32:16 SMARTEK
<p>Reference:</p> <ol style="list-style-type: none"> <li>1 QA/PM/SPE/BAG/NPK/01</li> <li>2 IS 1969 - 1985 (Reaffirmed 2006)</li> <li>3 IS 9755: 2003</li> <li>4 IS 14887:2014</li> </ol> <p>* Tests to be performed by manufacturer, accepted based on COA from manufacturer</p>				
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Packing Material - Bag Specification

Title	NPK 12:32:16	DC No.	QA/ PM/ SPE/ BAG/ NPK / 09
Issue Date	06-Aug-18	Review Date	5-Aug-20
Unit	STL, K1	Version	2.2

Sr. No.	Characteristics	UOM	Specification
1	Material code	NA	N20S
2	Bag capacity	Kg	50
3	Total Weight	gm	124 (+/- 6%)
4	Average Weight of sample	gm	124
5	*Weight of fabrics with thread	gm	98 (+/- 6%)
6	*Weight of Lamination	gm	26 (+/- 6%)
7	*Weight of liner	gm	NA
8	Length (inner dimension)	mm	1040 (+ /- 10)
9	Width (inner dimension)	mm	520 (+/- 10)
10	*Grade of fabric	NA	HO30SG or equivalent
11	Color of fabric	NA	Milky white
12	*Denier of tapes (gm / 9000 meter)	Denier	1000 (+/-10%)
13	*Mesh Size	No.	10 x 10
14	*UV stabilizer: (Ultra Violet master batch with loading @20% UV stabilizer)	%w/w	3
15	*Grade of PP lamination	NA	H350EG or equivalent
16	*Colour of lamination	NA	Natural & opaque
17	Overlap/overhang (Max)	mm	10 on each side
18	*Liner spec.	NA	NA
19	*Grade of liner	NA	NA
20	Ash content as CaCO <sub>3</sub>	%w/w	2.0 to 2.5
21	Extra poly after lamination	mm	Max 10 on each side

Prepared by	Checked by	Approved by	

AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales
22	Average breaking strength along with width (WEFT)		Kgf	95 (none of the individual value is less than 10% of specified value)
23	Average breaking strength along with length (WARP)		Kgf	85 (none of the individual value is less than 10% of specified value)
24	Average breaking strength along with bottom seam		Kgf	40 (none of the individual value is less than 10% of specified value)
25	Ink test water wash ability		NA	Resistance to saturated NP solution scrub test
26	*Elongation at break of fabric Length wise		%	20 (+ 5)
27	*Elongation at break of fabric Width wise		%	20 (+ 5)
28	*Drop test from height of 2 meters from all sides (4 drops per bag)		NA	The bags during drop test will be dropped on the stomach. No bag should rupture
29	Printing Art Work		NA	NPK 20:20:0:13 SMARTEK
<p>Reference:</p> <ol style="list-style-type: none"> <li>1 QA/PM/SPE/BAG/NPK/03</li> <li>2 IS 1969 - 1985 (Reaffirmed 2006)</li> <li>3 IS 9755: 2003</li> <li>4 IS 14887:2014</li> </ol> <p style="text-align: center;">* Tests to be performed by manufacturer, accepted based on COA from manufacturer</p>				
Prepared by	Checked by	Approved by		
AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales



Smartchem Technologies Limited, Taloja, Maharashtra, India-K1

Packing Material - Bag Specification

Title	NPK 12:32:16	DC No.	QA/ PM/ SPE/ BAG/ NPK / 10
Issue Date	06-Aug-18	Review Date	5-Aug-20
Unit	STL, K1	Version	2.2
Sr. No.	Characteristics	UOM	Specification
1	Material code	NA	N15
2	Bag capacity	Kg	50
3	Total Weight	gm	124 (+/- 6%)
4	Average Weight of sample	gm	124
5	*Weight of fabrics with thread	gm	98 (+/- 6%)
6	*Weight of Lamination	gm	26 (+/- 6%)
7	*Weight of liner	gm	NA
8	Length (inner dimension)	mm	1040 (+ /- 10)
9	Width (inner dimension)	mm	520 (+/- 10)
10	*Grade of fabric	NA	HO30SG or equivalent
11	Color of fabric	NA	Milky white
12	*Denier of tapes (gm / 9000 meter)	Denier	1000 (+/-10%)
13	*Mesh Size	No.	10 x 10
14	*UV stabilizer: (Ultra Violet master batch with loading @20% UV stabilizer)	%w/w	3
15	*Grade of PP lamination	NA	H350EG or equivalent
16	*Colour of lamination	NA	Natural & opaque
17	Overlap/overhang (Max)	mm	10 on each side
18	*Liner spec.	NA	NA
19	*Grade of liner	NA	NA
20	Ash content as CaCO <sub>3</sub>	%w/w	2.0 to 2.5
21	Extra poly after lamination	mm	Max 10 on each side
Prepared by	Checked by	Approved by	

AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales
22	Average breaking strength along with width (WEFT)		Kgf	95 (none of the individual value is less than 10% of specified value)
23	Average breaking strength along with length (WARP)		Kgf	85 (none of the individual value is less than 10% of specified value)
24	Average breaking strength along with bottom seam		Kgf	40 (none of the individual value is less than 10% of specified value)
25	Ink test water wash ability		NA	Resistance to saturated NP solution scrub test
26	*Elongation at break of fabric Length wise		%	20 (+ 5)
27	*Elongation at break of fabric Width wise		%	20 (+ 5)
28	*Drop test from height of 2 meters from all sides (4 drops per bag)		NA	The bags during drop test will be dropped on the stomach. No bag should rupture
29	Printing Art Work		NA	NPK 15:15:15
<p>Reference:</p> <p>1 QA/PM/SPE/BAG/NPK/03</p> <p>2 IS 1969 - 1985 (Reaffirmed 2006)</p> <p>3 IS 9755: 2003</p> <p>4 IS 14887:2014</p> <p>* Tests to be performed by manufacturer, accepted based on COA from manufacturer</p>				
Prepared by	Checked by	Approved by		
AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales



Smartchem Technologies Limited, Taloja, Maharashtra, India-K1

Packing Material - Bag Specification

Title	NP 24:24:00	DC No.	'QA/ PM/ SPE/ BAG/ NP/ 03
Issue Date	30-Jan-19	Review Date	29-Jan-21
Unit	STL, K1	Version	2.1

Sr. No.	Characteristics	UOM	Specification
1	Material code	NA	N24
2	Bag capacity	Kg	50
3	Total Weight	gm	117 (+/- 6%)
4	Average Weight of sample	gm	117
5	*Weight of fabrics with thread	gm	92 (+/- 6%)
6	*Weight of Lamination	gm	25 (+/- 6%)
7	*Weight of liner	gm	NA
8	Length (inner dimension)	mm	890 (+ /- 10)
9	Width (inner dimension)	mm	560 (+/- 10)
10	*Grade of fabric	NA	HO30SG or equivalent
11	Color of fabric	NA	Milky white
12	*Denier of tapes (gm / 9000 meter)	Denier	1000 (+/-10%)
13	*Mesh Size	No.	10 x 10
14	*UV stabilizer: (Ultra Violet master batch with loading @20% UV stabilizer)	%w/w	3
15	*Grade of PP lamination	NA	H350EG or equivalent
16	*Colour of lamination	NA	Natural & opaque
17	Overlap/overhang (Max)	mm	10 on each side
18	*Liner spec.	NA	NA
19	*Grade of liner	NA	NA
20	Ash content as CaCO <sub>3</sub>	%w/w	2.0 to 2.5
21	Extra poly after lamination	mm	Max 10 on each side

Prepared by	Checked by	Approved by	

AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales
22	Average breaking strength along with width (WEFT)		Kgf	95 (none of the individual value is less than 10% of specified value)
23	Average breaking strength along with length (WARP)		Kgf	85 (none of the individual value is less than 10% of specified value)
24	Average breaking strength along with bottom seam		Kgf	40 (none of the individual value is less than 10% of specified value)
25	Ink test water wash ability		NA	Resistance to saturated NP solution scrub test
26	*Elongation at break of fabric Length wise		%	20 (+ 5)
27	*Elongation at break of fabric Width wise		%	20 (+ 5)
28	*Drop test from height of 2 meters from all sides (4 drops per bag)		NA	The bags during drop test will be dropped on the stomach. No bag should rupture
29	Printing Art Work		NA	'NPK 24:24:00
<p>Reference:</p> <p>1 IS 1969 - 1985 (Reaffirmed 2006)</p> <p>2 IS 9755: 2003</p> <p>3 IS 14887:2014</p> <p>* Tests to be performed by manufacturer, accepted based on COA from manufacturer</p>				
Prepared by	Checked by	Approved by		
AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales





Smartchem Technologies Limited, Taloja, Maharashtra, India-K1

Packing Material - Bag Specification

Title	Optiform-LDAN	DC No.	QA/PM/SPE/BAG/LDAN/02
Issue Date	06-Aug-18	Review Date	5-Aug-20
Unit	STL, K1	Version	2.1

Sr. No.	Characteristics	UOM	Specification
1	Material code	NA	1100000006
2	Bag capacity	Kg	50
3	Total Weight	gm	157 (+/- 8%)
4	Average Weight of sample	gm	157
5	*Weight of fabrics with thread	gm	102 (+/- 6%)
6	*Weight of Lamination	gm	26 (+/- 6%)
7	*Weight of liner	gm	29 (+/- 10)
8	Length (inner dimension)	mm	965 (+/- 10)
9	Width (inner dimension)	mm	610 (+/- 10)
10	*Grade of fabric	NA	HO30SG or equivalent
11	Color of fabric	NA	Milky white
12	*Denier of tapes (gm / 9000 meter)	Denier	950 (+/-50)
13	*Mesh Size	No.	10 x 10
14	*UV stabilizer: (Ultra Violet master batch with loading @20% UV stabilizer)	%w/w	3
15	*Grade of PP lamination	NA	H350EG or equivalent
16	*Colour of lamination	NA	Natural & opaque
17	Overlap/overhang (Max)	mm	10 on each side
18	*Liner spec.	NA	HMHDPE 100 Gauge
19	*Grade of liner	NA	50GF003 or equivalent
20	Ash content as CaCO <sub>3</sub>	%w/w	'10 - 12
21	Extra poly after lamination	mm	Max 10 on each side

Prepared by	Checked by	Approved by	

AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales
22	Average breaking strength along with width (WEFT)		Kgf	95 (none of the individual value is less than 10% of specified value)
23	Average breaking strength along with length (WARP)		Kgf	85 (none of the individual value is less than 10% of specified value)
24	Average breaking strength along with bottom seam		Kgf	40 (none of the individual value is less than 10% of specified value)
25	Ink test water wash ability		NA	'Resistance to saturated LDAN solution scrub test
26	*Elongation at break of fabric Length wise		%	20 (+ 5)
27	*Elongation at break of fabric Width wise		%	20 (+ 5)
28	*Drop test from height of 2 meters from all sides (4 drops per bag)		NA	The bags during drop test will be dropped on the stomach. No bag should rupture
29	Printing Art Work		NA	OPTIFORM
<p>Reference:</p> <p>1 DFPCL/GMP/QC/SPE/PKG/B-17</p> <p>2 IS 1969 - 1985 (Reaffirmed 2006)</p> <p>3 IS 9755: 2003</p> <p>4 IS 14887:2014</p> <p>* Tests to be performed by manufacturer, accepted based on COA from manufacturer</p>				
Prepared by	Checked by	Approved by		
AGM -QA	GM- Commercial	Sr. GM-QA	AVP - Manufacturing	EVP - Sales

## **1. Physical condition of Bales and Bags:**

- 1.1 Bag shall be without any fold, wrinkle free, complete open from top.
- 1.2 The bag shall be flat packed in bale. The bales will be wrapped and stitched properly, so that there are no wrinkles in the bag. As these bags are picked up through vacuum suction system in STL automatic bagging plant, any bag with wrinkles is rejected by STL system. It should be ensured that no bags are packed in folded condition inside the bales.
- 1.3 Each bale shall be having following marking
  - Name of supplier
  - Type of Bag and size
  - Weight of bag and size
  - Sr, No. of bale
  - Lot no.
  - Purchase order No.
- 1.4 In absence of above information, such lot shall not be accepted on receipt
- 1.5 a) With liner 300 bags per Bale b) Without liner 500 bags per Bale.

## **2. Size of bags:**

- 2.1 Tolerance is applicable to either length or width and both size negative tolerances combinedly allowed maximum up to 10 mm.
- 2.2 For total bag weight determination, 2 gm weight of thread considered for liner bag and 1 gm for non-liner bag.

## **3.0 Fabrics:**

- 3.1 The bags are to be circular woven PP fabric in single piece and free from all major weaving defects like unreasonable gaps, pick points, missing tape, biasness etc.
- 3.2 Fabric shall be made from PP grade HO30SG
- 3.3 To maintain the stiffness of the bag ash content to be kept within limit as specified and Supplier shall report the ash content in test report along with consignment. If ash content is less than the specified limit, then the consignment will be rejected.

## **4.0 Lamination:**

- 4.1 PP 100 Gauge (25 micron) outside lamination with corona treatment. Virgin PP resin shall be used, visually clean, free from pinholes, air pockets, blisters, patches, and free from dirt. Lamination shall be made from PP grade H350FG.

4.2 Overhang / excess side poly shall not be more than 10 mm from each side

**5.0 Liner:**

5.1 LDPE/HMHDPE, double heat sealed, approx. 2" from Bottom, hemmed at top

**6.0. Breaking strength:**

6.1 Breaking strength will be checked as per IS either by cut strip/revelled strip method on 5 cm x 20 cm sample. Average breaking strength of sample along with width to be maintained 87 Kgf, however none of the individual Value is less than 78.3 Kgf. Average breaking strength of sample along with length to be maintained 69 Kgf, however none of the individual value is less than 62.1 Kgf. Average breaking strength of sample along with bottom seam to be maintained 32 Kgf, however none of the individual Value is less than 28.8 kgf.

**7.0 Stitching:**

7.1 Bottom of the bag should have minimum 25 mm folding when measured from outside and have one-fold

7.2 Bag shall be stitched at the bottom along with liner, with two rows of chain stitches; the stitching shall be uniform without any loose thread or knot. The no. of chain stitches should be 10 +/- 2 per decimeter.

7.3 The distance between the rows shall be min 5 mm. The outer row shall be minimum 8 mm from the outer edge of the bottom of the bag.

7.4 The bottom fold of bag to be stitched should always occur on the opposite side of printing made on bags.

7.5 Overhang of the thread should not be more than 10 mm on the both edges.

7.6. The stitching of the bottom should be below where the liner is sealed. The stitching should not damage /penetrate the sealing

**8.0. Printing:**

8.1 The bag shall be printed on one side of bag with the information designed in art work by using suitable ink.

8.2 No smudging and illegible printing.

8.3 For Identification each bag shall be marked with party's code or logo with year and month of production, on bottom right hand corner. These details will be in the capital letters of size 12 mm height only.

- 8.4 Printing shall be on Flexographic printing machine with corona treatment with high gloss quality ink.
- 8.5 Bag should pass cello tape and aberration test (Thumb rub) for the printed matter and resistance to SAT.AN/NP/NPK solution.
- 8.6 Only the best quality of stereos giving prints, where all the letters and figures have well defined

#### **9.0 Inspection and Testing:**

- 9.1 Over and above all relevant IS specifications including following shall be followed IS 9755:2003, IS 6192:1986
- 9.2 STL Analysis will be final and re-inspection or joint analysis is purely on STL management decision.
- 9.3 Sampling testing and reporting within maximum 7 days of receipt of consignment.
- 9.4 Test certificate as per STL specification shall be provided by Supplier with each consignment else bags will not be unloaded.
- 9.5 Supplier should mention the Ash content in certificate of analysis
- 9.6 **Rejection criteria for In process material:** Any part of the consignment found not suitable in STL automatic bagging machine due to wrinkle/folding/size variation/side cut/improper printing/excess side poly (overhang)/excess tread, such defective material will send back to supplier through commercial department

#### **10.0. Other Conditions:**

10.1 **Variation in size and weight of the bag. :** In case we require any bag with difference only in size, the other parameters remaining the same as per this order, the individual bag weight, the bale weight and unit price (Rate/Bag) shall be worked out proportionately, which shall be automatically fixed, based on the price finished for the bags under this order.

10.2 **Bale Weightment:** 20% of the bales (at random) of every lot shall be physically counted after opening of the packing and exact nos. of bags of the bale shall be weighed on weighing scale for verification of the bale weight. If the net weight of any of the sampled bales is found below the specification, the entire number of bales in the same lot shall be weighed. The less weight bales shall be **rejected**. In case of bale weight within negative tolerance, the lot shall be subjected to deduction on pro-rata basis.

10.3 **Rejection of lot:** the lots not conforming to STL specifications and terms and conditions mentioned in the order shall be normally rejected. The seller has to replace the rejected lots free of cost. To avoid rejections, the seller has to inspect the quality of bags before dispatches.

10.4 Rejected consignment shall be returned to party after defacing the bags by DFPCL. Seller shall arrange for removal of such bags within 21 days, failing which DFPCL may arrange for disposal of such bags in whichever it deems fit without any liability or compensation thereof to the seller

10.5 If three consecutive consignment will reject by QC/User team then supplier will be blocked/Re-audited by cross functional team of STL/DFPCL

10.5 **Shortage Assessment:** The bags will be counted at random from sampled bales and average of number of bags found short in the counted bales shall be assumed as the average shortage in the lot and proportionate deduction shall be made from suppliers' invoice.

10.6 Signed dispatch checklist will be available along with each consignment. Supplier shall ensure that this document must be carried along with consignment during dispatch

10.07 If any major changes with Raw Material / Machine / Site, then Supplier will start manufacturing process and supplies after clearance by STL only.

### **11.0 Other Terms & Condition**

1. BAGS TO BE SUPPLIED AS PER SCHEDULE FURNISHED TO YOU.
2. INSPECTION OF BAGS AT OUR END IS FINAL AND BINDING ON YOU.
3. NO EXCESS QUANTITY TO BE SUPPLIED THAN ORDERED QUANTITY.
4. BAGS TO BE SUPPLIED BY YOU SHOULD AS PER APPROVED REVISED ARTWORK AND SPECIFICATIONS ALREADY PROVIDED TO YOU. BAGS SHOULD BE SUPPLIED FREE FROM WRINKLES AND FOLDINGS IN ANY PORTIONS.
5. RATES ARE VALID TILL COMPLETION OF ORDERED QUANTITY, INSPITE OF CHANGE IN RIL POLYMER PRICE LIST
6. COA SHOULD BE SEND ALONGWITH EACH SUPPLY.
7. IN PROCESS REJECTION OF BAGS AT YOUR END DURING MANUFACTURING AND PRINTING PROCESS SHOULD BE DISPOSED/SCRAPPED BY DFACING CROSS MARK BYPAINT ON PRINTED ARTWORK SIDE AT YOUR END
8. SPECIFICATION SHEET SHALL BE PROVIDED SEPERATELY THROUGH EMAIL.

(On Contractor's letterhead)

**GENERAL INFORMATION:**

1. Name & address of the Tenderers Firm / Company: \_\_\_\_\_

2. Office Telephone No.: \_\_\_\_\_

3. Office Fax No.: \_\_\_\_\_

4. Year of Establishment: \_\_\_\_\_

5. Constitution of the Firm: Proprietorship/Partnership/Pvt. Ltd./ LLP/ Pub Ltd. Co./ Co-operative.

6. Name, Address of Partner / Directors: \_\_\_\_\_

7. Name of contact person: \_\_\_\_\_

8. Telephone no. of contact person: Office \_\_\_\_\_

Residence \_\_\_\_\_

Mobile \_\_\_\_\_

9. Name & Designation of Authorized Signatory:  
\_\_\_\_\_

10. Details of sister concerns

a) Name & Address:

b) Activities engaged in by Sister Concern:

c) Names, Addresses & Telephone Nos. of Proprietors/Directors/Partners of Sister concerns.

(Signature of the Contractor & Seal)

(On Contractor's letterhead)

**INFRASTRUCTURE / RESOURCES:**

1. Total number of resources employed: \_\_\_\_\_
2. No. of branch offices: (details of address, Telephone No.. Fax No. etc.)
3. No. of FMS Contracts engaged in Mumbai with Avg value of Contract:

(Signature of the Contractor & Seal)

(On Contractor's letterhead)

**DETAILS OF BLACKLISTING / DISQUALIFICATION / FORFEITURE OF B.G. / S.D.**

1) Whether your Firm/Company is blacklisted by DFPCCL or any other Public Sector / Govt. / Quasi-Govt Organization / any other client: **Yes / No**. If yes, please mention details.

2) Whether your Contract was terminated before expiry of Contract period or Security Deposit / E.M.D forfeited by our Company or any other Public Sector/Govt./Quasi Govt Organization /

Any other client: **Yes / No**. If yes, please mention details.

3) Whether Proprietor/Partner/Director (as applicable) has been prosecuted by any judicial court for any criminal breach of trust: **Yes / No**. If yes, please mention details.

(Signature of the Contractor & Seal)