

CORPORATE MATERIALS,  
PETROCHEMICAL DIVISION ADMINISTRATIVE BUILDING  
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## Tender for Supply of Organic manure

**Enquiry No : MM/ORG/MAN/24 dated 31/07/2024**

### **Enquiry Notice**

1. **Background:**

The Fertilizers and Chemicals Travancore Limited (FACT) is a Government of India Enterprise, engaged in the production of Nitrogenous and Phosphatic Fertilizers and trading of Fertilizers.

FACT intends to procure Organic manure for a period of 2 years through e-procurement portal <https://eprocure.gov.in/eprocure/app>) as per the following below.

2. **Specifications:** Organic manure supplied should conform to the FCO specifications as given in Annexure-I.

**Quantity:** Shall be as per the Annexure - VIII (Unpriced Bid).

3. Please submit the bid strictly in accordance with the terms and conditions (Annexure-II) and instructions to bidders (Annexure-III).
4. **Rate:** Bidder shall quote their rates strictly in the Price Bid Format – Annexure - IX.
5. **Validity of Offer:** Offers shall be valid for a period of 90 days from the due date of opening of pre-qualification-cum-techno-commercial bid (Part A).

6. **Earnest Money Deposit (EMD):**

Earnest Money Deposit (EMD) of Rs. 50,000/- shall be remitted online through 'State Bank Collect' portal using the link given below:

The link is also available on our website [www.fact.co.in](http://www.fact.co.in)

Tenders  'Click Here to Pay EMD/Security Deposit'

[https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=9303&categoryName=Earnest Money Deposit \(EMD\)/SD Remittance](https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=9303&categoryName=Earnest Money Deposit (EMD)/SD Remittance)

The bidder shall precisely indicate the Name of the bidder, Tender number and other relevant details while making the online payment through 'State Bank Collect' and the payment receipt generated thereon shall be uploaded along with the offer submitted online

Earnest Money Deposit (EMD) shall also be remitted through NEFT/RTGS, to the following bank account as below:

FACT A/C No. : 57017844467  
 IFSC Code : SBIN0070158.  
 Name of Bank : State Bank of India, Udyogamandal  
 District : Ernakulam  
 State : Kerala.

In the case of NEFT/RTGS remittance, a copy of the Payment Receipt / UTR No. shall also be furnished along with bid. Bids without EMD details, or insufficient EMD amount are liable to be rejected except in the following cases- EMD will be exempted for Govt. Depts. /firms/public sector units/Micro and Small (MSE) units /firms registered under NSIC/ Khadi Board/Start up (Startup- subject to having own manufacturing unit) etc. as per applicable govt. directions, on submission of valid documents. No interest is payable for EMD. If the bidder retracts from or without request of FACT revises, his bid within the validity period of the bid, the EMD shall be liable to be forfeited without prejudice to FACT's other rights to claim damages. In case the bidder whose bid is accepted, fails to deposit the prescribed Security Deposit or fails to commence the execution of the work within the specified time, the contract issued to him is liable to be cancelled and the Earnest Money already deposited by the contractor shall be forfeited without any further reference to the contractor and alternative arrangements made at the risk and cost of the Contractor without prejudice to FACT's other rights to claim damages. EMD of unsuccessful bidder will be refunded after finalization of contract.

#### 7. Eligibility criteria:

Sl. No.	Qualifying Requirements	Documents required
1.	Bidder should either be: i. Company registered under the Companies Act, 1956/2013 <b>(OR)</b> ii. Registered partnership firm <b>(OR)</b> iii. Registered proprietorship firm <b>(OR)</b> iv. Registered societies/Co-operative societies <b>(OR)</b> v. Registered Limited Liability Partnership (LLP) <b>Applicable for Start-ups also.</b>	i. For companies registered under the Companies Act, 1956/2013, copy of Memorandum and Articles of Association and List of Directors, Copy of Certificate of Incorporation to be submitted. <b>(OR)</b> ii. In case of partnership firm, notarized copy of Registered Partnership Deed, Registration Certificate i.e., Registration of Firm to be submitted. <b>(OR)</b> iii. For Proprietorship firm, Affidavit of Proprietorship duly notarized (Latest), Registration Certificate i.e., Registration of Firm to be submitted. <b>(OR)</b> iv. For Co-operative societies / Registered societies, Copy of Registration certificate, Copy of Resolution of Members to be submitted. <b>(OR)</b> v. For Limited Liability Partnership (LLP), Copy of Certificate of incorporation to be submitted.

2.	<p>Bidders shall be duly registered with the State Agriculture Authority, having valid F.R.C. of the concern state applied for.</p> <p>Bidder shall have Authorization Certificate/ valid wholesale marketing license (form A2) for the state of Telangana, Maharashtra &amp; Odisha wherever applicable.</p> <p><b>Applicable for Start-ups also.</b></p>	<p>Copy of valid Authorization Certificate / Wholesale Marketing License (Form A2) for Organic Manure for the states/destination applied for.</p> <p>and</p> <p>If not applicable/not submitted at the time of bidding, bidder shall furnish an undertaking to issue Form O to endorse in FACT FRC.</p>
3.	<p>Bidders shall be a manufacturer / Trader.</p> <p><b>Applicable for Start-ups also</b></p>	<p><b>For Manufacturer</b></p> <p>i. Bidders shall submit any of the valid statutory documents such as Manufacturing License / Factory license / MSME registration certificate indicating manufacturer of organic manure / valid wholesale marketing license (form A2) for the states of Telangana, Maharashtra and Odisha wherever applicable as applied for, indicating manufacturer of organic manure.</p> <p>ii. In case of tie-up with other manufacturers, bidder shall provide documents referred in (i), of the manufacture(s) with whom tie up arrangement has been made.</p> <p><b>For Trader</b></p> <p>i. Bidders shall submit any of the valid statutory documents of the manufacturer such as Manufacturing License / Factory license / MSME registration certificate indicating manufacturer of organic manure / valid wholesale marketing license (form A2) for the states of Telangana, Maharashtra and Odisha wherever applicable as applied for, indicating manufacturer of organic manure.</p> <p>ii. Back up letter from Manufacturer with respect to quantity quoted (OR) agreement executed with the manufacturer indicating the quantity.</p>
4.	<p>Experience &amp; Past Performance of works executed for supply of Organic Manure for the last 3 years i.e. During 01.04.2021 to 31.03.2024.</p> <p>The bidder shall have supplied a</p>	<p>i. Work Order / PO / MoU / Agreement copy &amp; completion certificate by the client clearly mentioning the Work Order / PO / MoU / Agreement No., Name of the Client, Period of Contract, Name of the Product supplied and quantity supplied in the</p>

	<p>total minimum quantity of 2,000 MT organic manure together in the last 3 years i.e. During 01.04.2021 to 31.03.2024.</p> <p><b>*Not applicable for Start-ups</b></p>	<p>last 3 years i.e. During 01.04.2021 to 31.03.2024.</p> <p>ii.For on-going Work Order / PO / MoU / Agreement, quantity supplied in the last 3 years i.e. During 01.04.2021 to 31.03.2024 should be mentioned along with Work Order / PO / MoU / Agreement No., Name of the Client, Period of Contract and Name of Product supplied in the completion certificate issued by the client along with copy of the on-going Work Order / PO / MoU/ Agreement to be submitted.</p> <p>Note: Where Completion Certificate from Client is not available for completed or ongoing Work Orders / PO / MoU / Agreement; in place of Completion Certificate from Client, a Certificate from Practicing Chartered Accountant (CA) clearly mentioning the Work Order / PO / MoU / Agreement No., Name of the Client, Period of Contract, Name of Product supplied and quantity supplied in the last 3 years i.e. During 01.04.2021 to 31.03.2024 to be submitted.</p> <p>iii.For bidders who are selling Organic Manure through their own channel are required to submit Sales Certificate from Practicing Chartered Accountant (CA) mentioning the year wise and product wise sales and quantity in the last 3 years i.e. During 01.04.2021 to 31.03.2024.</p> <p>iv.For bidders who are using their own channel and also trading through other clients, can submit details as per their discretion.</p> <p>*Note: The Work Order / PO / MoU / Agreement details should be for supply of organic manure.</p>
5.	<b>Applicability for “Startups”:</b>	
5.1	Proof of issue of Real Time Recognition Number from DPIIT as Startup.	DPIIT certificate.
5.2	Year of Establishment shall not be more than 10 years from the due date of the tender.	Certificate of Incorporation / Registration.

5.3	Turnover details since incorporation. Turnover shall not be more than INR. 50 crores in any of the years since incorporation.	Audited Balance Sheet and Profit & Loss Statement since incorporation or Certificate by practicing Chartered Accountant (CA) mentioning financial year wise turnover since incorporation (Also mention the years where turnover has been "0").
5.4	Annual manufacturing / trading and supplying capacity for Organic Manure	Certificate of annual manufacturing / trading and supplying capacity for Organic Manure from a practicing Chartered Accountant (CA).

Note – All the CA certificates to be submitted by the bidders should have a valid UDIN number.

8. In addition to above, following additional documents to be submitted along with PART-A of the bid.

	Requirements	Documents Required
1.	Quality assurance certificate to be produced.	Latest (within past 2-3 months of inquiry) quality analysis report for Organic Manure issued by Regional Centre for Organic Farming(RCF), National Centre for Organic Farming(NCOF), any state/central Govt. approved labs or any laboratory accredited by NABL/other Labs as prescribed by Govt. to manufacturer shall be submitted.
2.	Source and Type of Raw Materials  <b>Applicable for Start-ups also</b>	Self-declaration on source and type of raw materials used for production of organic Manure shall be submitted by the bidder ( documents to be submitted for the purchase of raw material being done recently)
3.	Statutory Documents	GST, PAN, ITR acknowledgments and copy of balance sheets for the last three years, Valid Udyam registration certificate etc.
4.	Pollution Concern Certificate	Pollution consent certificate from Pollution Control Board(PCB) for the unit of the concern state where production unit is located. (In case of PCB, any exemption given by the concern state shall be considered. (If applicable).

9. **Payment:** Payment shall be as per the Clause 33 of Annexure – II- Terms and Conditions of Purchase.

10. Bids shall be submitted on a two-part basis, Part A and Part B, as detailed in the Instructions to Bidders.

Due date / time for submission of bids: 14/08/2024 - 14:00 hrs. IST

Due date / time for opening of bids: 14/08/2024 - 14:30 hrs. IST

Bids shall be complete giving all the requirements as per the enquiry. Evaluation of bids shall be made based on the details given in the bid. Post-bid clarifications on price, quantity, delivery schedule, payment terms are unacceptable except against any post bid clarification as required by FACT.

Please submit your bid complete in all respects, within the stipulated time.

Thanking you,

Deputy General Manager (Materials) – RM  
For FACT Ltd, Cochin.

Encl:

Sl. No.		
1	Annexure I	Specifications of Organic Manure as per FCO
2	Annexure II	Terms and Conditions of Purchase
3	Annexure III	Instructions to bidders
4	Annexure IV	Information about Supplier.
5	Annexure V	List of FACT approved bankers for Bank Guarantee
6	Annexure VI	Proforma of Bank Guarantee for Security Deposit
7	Annexure VII	Compliance Statement
8	Annexure VIII	Unpriced Bid
9	Annexure IX	Price Bid (BoQ)
10	Annexure X	Integrity Pact
11	Annexure XI	Specifications of Bags

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**ANNEXURE- I****Specification of Organic manure as per FCO norms****PART-A**

(i)	Moisture per cent by weight, maximum	25.0
(ii)	Particle size	Minimum 90% material should pass through 4.0 mmIS sieve
(iii)	Bulk density (g/cm <sup>2</sup> )	<1.0
(iv)	Total organic carbon per cent by weight, minimum	14.0
(v)	Total nitrogen (as N) per cent by weight, minimum	0.5
(vi)	Total phosphates (as P <sub>2</sub> O <sub>5</sub> ) per cent by weight, minimum	0.5
(vii)	Total potash (as K <sub>2</sub> O) per cent by weight, minimum	0.5
(viii)	NPK nutrients – Total N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O nutrient should not be less than	3%
(ix)	C:N ratio	<20
(x)	pH	6.5-7.5
(xi)	Conductivity (as dSm <sup>-1</sup> ) not more than	5.0
(xii)	Pathogen	Nil
(xiii)	Heavy metal content, (as mg./kg), maximum	
	Arsenic (as As <sub>2</sub> O <sub>3</sub> )	10.0
	Cadmium (as Cd)	5.0
	Chromium (as Cr)	50.0
	Copper (as Cu)	300.0
	Mercury (as Hg)	0.15
	Nickel (as Ni)	50.0
	Zinc (as Zn)	1000.0

**Terms and Conditions of Purchase**

1. The product specifications of Organic manure should be as per, Annexure I and shall be in line with FCO standards and amended from time to time.

2. Packing: Organic manure shall be supplied in 50 kg outer laminated PP bags in conformity with the standard norms laid down for the supply of Organic manure. Complete bags technical specification shall be as per the Annexure – XI. Monograms - printing design, text (in two colour schemes – Black & Green) shall be furnished by FACT on confirmation of order.

3. Bags shall be arranged by the vendor at their cost.

MRP and per kg sale price to be printed on bags shall be confirmed by FACT. Referral Image has been given as per existing approved design Annexure – XI. However final printing design (monogram), colour code for printing shall be provided/ approved by FACT at the time work order issuance.

4. The total No. of bags printed must be informed to FACT and daily bags consumption report has to be furnished along with Daily dispatch report.

5. Delivery/Despatch Indent placement depends on crop season, climatic condition and other market factors.

6. Schedule for bags shall be given 30 days earlier and the whole quantity mentioned in the schedule shall be uplifted by FACT. Delivery Indent for Organic manure shall be given 10 days earlier. FACT shall not have any liability of packed inventory/ un-utilized bags other than the quantity mentioned in the delivery schedule. The supplier shall not have any claim/rights against the non-lifted quantity / un-utilized bags other than the quantity mentioned in the delivery schedule.

7. If any guidance on packaging size or colour scheme/ monogram by the Department of Fertilizers (DOF) from time to time should be adhered by the bidder without attracting any additional cost on bags and bidder shall have no claim on such instance.

8. If any guidance on specifications of both Organic manure and bags shall be adhered by the bidders as amended by Department of Fertilizers (DoF) from time to time.

9. Random inspection on quality for Bags/Organic manure shall be done by FACT and cost of testing shall be on account of FACT. In-case sample get rejected then cost of testing shall be on account of bidder.

10. Any change in MRP and subsidy/MDA if applicable, or any other matter informed by FACT, shall also be stenciled / printed on the bags after erasing the old figures. The printed matter shall be smudge free and neat. The bag should be double-stitched and properly sealed.

11. Bagged product shall be without any foul smell.

12. FACT reserves rights to accept or reject any load or part thereof due to reasons like improper granulation/powdery material, foul odour, improper packing, Smudge on bags,



cut and torn conditions of bags, deviation on quality specifications of any parameters as per FCO standards or violation of contract terms and conditions.

13. Product should be in conformity with the specifications in Annexure – I as laid down in FCO (Fertilizer Control order) 1985 and amendments made time to time.

14. FACT shall have the right to check the quality of the product randomly in the premises of supplier before dispatch, at Dealer's point of FACT/sub dealers and in field.

15. Suppliers should furnish batch wise analysis report conforming to the standards of FCO 1985, from Govt. approved laboratory accredited by NABL/other Labs as prescribed by Govt. orders from time to time. Failing which, FACT reserves the right to engage a third party agency for inspecting and drawing samples from the production units and the sampling will be done from the certified lots of production by such agency. Cost of such sampling and analysis will be at Suppliers expense. Taking samples for analysis of the product by FACT's representative or a third party engaged by FACT shall not absolve the supplier of its obligations towards quality of the product and meeting the specifications prescribed under FCO standards.

16. Suppliers shall confirm and deliver the goods as per FACT's DI to its destinations in packing of predetermined sizes, subject to the provisions of Standards of Weights and Measures Act, 1976, Fertilizer Control Order, 1985 and other latest Government regulations. If any deviation in net/gross weight, according to weight and measurement Act, 1976 subsequent losses on said things shall be recovered from the suppliers.

17. In case samples are checked by FACT in Govt. approved laboratory accredited by NABL/other Labs as prescribed by Govt. orders from time to time., the cost of testing shall be on account of FACT and we shall have full right to reject the entire consignment received in the field for any deviations in quality as detected by FACT and/ or any State/ Central quality inspection authority under FCO. In-case sample get rejected by the specified authority then the cost of testing shall be on bidder's part.

18. If the products supplied are found to be inferior quality, at FACT destinations or after being sold to FACT's customers, the supplier shall be fully responsible for the same. The supplier shall replace such stocks, ensure compliance of all the legal/statutory requirements and redress issues related to legal metrology, customer complaints, FCO matters etc. at the destination/state levels within the respective states, if any, and take measures to ensure that FACT's brand image is not affected. The supplier shall indemnify FACT against all claims, damages, cost and other charges, which FACT may suffer as a consequence of quality deficiency or performance or violations of the laws by the supplier.

19. Supplier shall arrange to dispatch on FOL basis to FACT dealers or Sub-Dealers of FACT wholesalers at the destinations mentioned by FACT as per the list of destinations attached Annexure-VIII (i.e. unpriced bid) and DI given by concerned officer of FACT. In addition to FOL deliveries, product shall be supplied to FACT depots/Warehouses/Stock Point Dealers (SPD)/buffer Godowns as per indent.

20. The list is not conclusive, and new additions to the stock points if any, and as and when taken by FACT during the period of contract, will be informed in course of operations. The new additions to the stock points shall be within the radius of 20km to destinations quoted by suppliers. The supplier shall be able to supply the quantity to all the stock/sale points of FACT as per the despatch instructions given.

21. Indent shall be provided to suppliers for a truck load of 11-35 MT. However, if indent is lesser than a truck load, which shall be clubbed with other dealers in a market or nearby markets by covering the distance of 20 Km with maximum delivery of four destinations.

22. If dealer placed indent for multiple deliveries (max. of 4 deliveries) in the market or nearby market in a single indent, the same should be honored at the cost of supplier covering 20km of radius to the destination.

23. The price offer shall be inclusive of cost of material, cost of bags, printing and packing, loading, transportation and transit insurance any other upto dealers or sub-dealer points/FACT Depot/ FACT SPD/ SWC/ Storage location notified by FACT from time to time and GST extra as per prevailing rates.

24. Price quoted shall be exclusive of all charges like duties, levies, GST and all other statutory levies as imposed by state/ central government and local authorities from time to time.

25. Transit insurance shall be arranged by the supplier at his own cost.

26. Product shall be delivered at the stock/sale points etc. specified as per FACT's Despatch Instructions given by email.

27. Delay in Delivery/Liquidated Damages: Time is the essence of contract and the delivery period mentioned shall be strictly adhered to. Supply has to be made on confirmed order

A period of 10 days will be allowed for completion of supply, which will commence from the date of issue of respective indent. Any delay in supply/delivery within stipulated time / non-supplies will attract LD clause as per FACT's standard terms of purchase. FACT reserves the right to accept the material after imposing the penalty @5% total value of material delayed for every week and part thereof the period of delay from the delivery period subject to maximum of 10% of the total value of material delayed. LD shall be recovered from the Supplier against pending bills/payments by FACT. If there is no running bill, the amount will be adjusted against SD. Delivery shall be deemed completed on the date of arrival of consignment at destination.

28. In case of delayed delivery/ non-delivery, in stipulated time FACT also has the alternate option to cancel the order in part or full and arrange such cancelled quantities or services from alternate sources at the risk and cost of the Supplier.

29. The Quantity indicated in each destination is indicative. Supplies shall be made for actual requirements, which may vary from the estimated quantities. FACT shall have sole and unfettered discretion to decrease/increase the purchase from the seller depending upon market conditions and climatic conditions within the validity of the contract quantity.

30. The Supplier shall provide despatch details and bag consumption on daily basis through email/ Google sheet/ any other electronic web application developed in future etc., as per the requirement of FACT from time to time.

31. PERIOD OF CONTRACT: The period of contract shall be two years from the date of confirmation of the order. The prices shall be firm till complete execution of the order

32. FACT reserves the right to undertake supplies from alternate source, if O forms or other statutory documents relevant to obtaining/endorsing FACT's State License are not furnished within two weeks of obtaining purchase order.

33. FACT shall make payment to the supplier by NEFT/RTGS/other online modes on the 45th day from the date of submission of invoices based on stock receipt acknowledged by Wholesale points/ Retail points in delivery challan/supplier Invoice and subsequent confirmation by the FACT officer concerned. In case of delivery to FACT ASC/SPD/Agency/ warehouses / storage points the concern FACT officers/representatives may acknowledge the receipt of such stock.

If Supplier stops supplying in any destination SD will be forfeited for concerned destination. If supplier stops supplying in more than 3 destinations, despite issuance of DI by FACT, FACT will put supplier on enquiry holiday from participating in next tender along with forfeiture of relevant SD.

34. Security Deposit: The successful bidder (Contractor) shall be required to furnish an interest free Security Deposit (SD) equivalent to five percent (5%) of the total contract within 15 days of issue of the Purchase order or LOI whichever is earlier. The Security Deposit shall be remitted online through 'State Bank Collect' portal using the link given below. However, if the amount exceeds Rs. 10,000/-, Bank guarantee from a Nationalized / Scheduled Bank in INDIA, in the prescribed format issued by FACT is also accepted as Security Deposit.

- (i) Link for payment of **SECURITY DEPOSIT** through '**State Bank Collect**' is given below. The link is also available on of our website [www.fact.co.in](http://www.fact.co.in)

Tenders  '**Click Here to Pay EMD/Security Deposit**'

[https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=9303&categoryName=Earnest Money Deposit \(EMD\)/SD Remittance](https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=9303&categoryName=Earnest Money Deposit (EMD)/SD Remittance)

- (ii) The bidder/vendor shall precisely indicate their Name, Tender number and other relevant details while making the online payment through 'State Bank Collect' and the payment receipt generated thereon shall be submitted to us.

The security deposit will be returned on successful completion of contract. Any delay in activities of FACT due to non-submission of the Acceptance copy of Order or Security Deposit by Supplier, shall not constitute reasons for extension to Supplier's Delivery Promise or waiver of liquidated damages for late delivery. Security Deposit shall be kept valid until Supplier discharges all obligations under the Order.

**Note; Electronic Bank Guarantee is also acceptable.**

In case the bidder whose bid is accepted, fails to deposit the prescribed Security Deposit or fails to commence the execution of the work within the specified time, the contract issued to him is liable to be terminated and alternative arrangements made at the risk and cost of the Contractor

35. The bidders should not make any trade arrangement with FACT dealers/ sub-dealers by using FACT marketing channel to promote their own brand or any products available with them during the contract tenure. If any complaints proved, contract shall be terminated and FACT shall be entitled to claim from supplier for all losses caused to suffered by the company.

36. The Supplier shall indemnify and hold FACT harmless from all claims, losses, demands, causes of action or suits arising out of the services, labour, equipment and materials furnished by Supplier under Order.

37. FACT shall be at liberty to deduct and appropriate from the security deposit any losses, damages, penalties and dues as may be payable by the supplier in case of non-supply or violation of said contract terms,

38. FACT shall be entitled without prejudice to any other rights, to claim from the supplier all losses caused to or suffered by the Company.

39. Contract administration shall be by GM (Marketing)/DGM (Marketing) Contact details are;

Ph. 0484 2567485 / 2567679/ 2567660;

Email: [headfertilisermarketing@factltd.com](mailto:headfertilisermarketing@factltd.com); [pratheep@factltd.com](mailto:pratheep@factltd.com);

[arunkumar@factltd.com](mailto:arunkumar@factltd.com).

40. FORCE MAJEURE: Neither the Supplier nor FACT shall be considered in default in the performance of their obligations under the Purchase Order so long as the performance is prevented or delayed because of Force Majeure conditions like war or hostilities, riots or civil commotion, earth quake, flood or tempest, drought, accident, fire or explosion, labour strike or lock-out or Act-of-God or because of any law and order proclamation, regulation or ordinance of Government or subdivision thereof. Notice of a Force Majeure situation shall be given by the affected party to the other party with in one week of its occurrence. Should such a delay be for more than three months, FACT shall have the right to cancel the Purchase Order at no charge to FACT.

41. Applicable Law and Settlement of Disputes.

This contract shall be subject to and shall in all respects be governed by Indian law.

If any dispute(s) arises out of or relating to or in connection with this contract, between the Contractor and the Owner/FACT, the same shall be amicably settled through mutual discussions, failing which, the unresolved dispute (s) shall be referred to arbitration in accordance with the provisions of the Arbitration and Conciliation Act, 1996, as amended from time to time and number of Arbitrator shall be one. The venue of the Arbitration shall be at Ernakulam and the proceedings shall be in English. The number of Arbitrator shall be one and the language of the arbitration proceedings shall be English. The place of arbitration proceedings shall be Ernakulam in Kerala.

Any legal proceedings relating to this contract shall be limited to courts of law under the jurisdiction of the Kerala High Court at Ernakulam.

42. FACT, a Central Public Sector Enterprise (PSE) follows Corporate Governance principles proactively and has formulated a Fraud Prevention Policy. Details of Fraud Prevention Policy of FACT 2012 can be viewed in FACT's website [www.fact.co.in](http://www.fact.co.in) Supplier shall make himself aware of the above policy and comply with the same.

43. "Integrity Pact: The bidders shall sign and submit an "Integrity Pact (IP)" to be executed between the bidder and Fertilisers And Chemicals Travancore Ltd. on plain paper along with the bid as per Annexure X. IP shall be implemented through the following Independent External Monitors (IEMs) for the bid.

1. Shri Ahmad Javed  
601-A, Lotus Enpar Residency,  
Shakarrao Naram Path,  
Lower Parel, Mumbai-400013.

2. Shri B. Ravichandran  
Flat No.TF3, RKC Subrabath,  
7th Street, Kumaran Colony,  
Vadapalani, Chennai 600 026  
Mobile: 9482234346 Email: bravi1958@gmail.com

Note:

- (1) In case bidders require any clarification pertaining to the tender please contact: S Sivaramakrishnan / Shima P S/ T.Nikhil Kumar [sivaram@factld.com](mailto:sivaram@factld.com) [shima@factltd.com](mailto:shima@factltd.com) [akash@factltd.com](mailto:akash@factltd.com) Ph.0484-2568363/0484-2568620/0484-2568267.
- (2) **Kindly note that the Independent External Monitor should NOT be contacted for clarifications regarding the tender.**

**Instruction to Bidders**

**1. Enquiry documents** may be downloaded from Central Public Procurement Portal (<http://eprocure.gov.in>) . Enclosures forming part of this enquiry: Terms of Purchase, Instructions to Bidders, Specification of Organic manure, Information about supplier, Unpriced bid, Price Bid, Compliance Statement, List of Fact approved Banks for Bank Guarantee, Proforma of Bank Guarantee for Security Deposit, Specifications of Bags.

**2.** EMD shall be as per clause 6 of Enquiry Notice.

**3. Validity of Rates/Bids:** The rates quoted in the tender are to hold good for a period of 90 days from the date of opening of the (Part A) bid and if contract is awarded, the same rates shall be valid for the entire period of contract. The Price shall remain firm throughout the period of order and shall not be subject to any escalation on any account.

**4. Eligibility criteria:** Shall be as per the clause 7 of enquiry notice

**5. METHOD OF EVALUATION OF BIDS / AWARD OF CONTRACT:**

Bids will be evaluated based on the eligibility criteria and other tender conditions stipulated in the enquiry.

i. Bidder shall quote their most competitive rate per MT for supply of Organic manure (in 50 kg bag) to the destinations indicated in the price bid on door delivery basis.

ii. Bidders may submit his quotation for destinations he is quoting for. The present destinations are given in Annexure VIII. The destination wise quoted rates will be applicable for all dealers or sub-dealer points/FACT Depot/ FACT SPD/ Storage location connected to quoted destination. Bidder is free to quote for one or more destination.

iii. Determination of the L1 bidder for destination shall be based on the total lowest rate quoted by the bidders for each destination. In case more than one bidder becomes L1 to any destination, revised lower bids will be obtained from L1 bidders and final L1 bidder will be determined accordingly. If revised bid still happens to be a tie, the indented quantity will be split on 50: 50 (or equitable basis).

iv. PURCHASE PREFERENCE:

This tender shall be based on MSME order dt. 23rd March 2012, and as amended from time to time, pertaining to Public Procurement Policy in respect of procurement of goods and services, produced and provided by micro and small enterprises (MSE), including special benefits to MSE firms owned by SC/ST and women entrepreneurs, on furnishing relevant documents as proof. Declaration of Udyam Registration Numbers on CPPP is mandatory, failing which bidders will not be able to enjoy the benefits as per PP policy. Bidders will get the benefit of PP policy only if they are MSE bidders at the time of submission of their bids, in proof of which latest valid Udyam Registration Certificate shall be uploaded. Bidders may note that failure to update the relevant information within the period specified in the online Udyam Registration portal will render the

enterprise liable for suspension of its MSE status, in which case they will not be eligible to claim PP benefits/EMD exemption.

In divisible tenders, participating MSEs quoting price within price band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than an MSE. Such MSEs shall be allowed to supply 25% (or as applicable) of the total tendered value. In case of more than one such MSE, the supply will be shared proportionately (to tendered quantity). Special provisions extended to certain categories of MSEs as per the order shall also be applicable.

In case of non-divisible tenders, an MSE quoting in the price band of L1+15% may be awarded for full/complete work of tendered value, considering the spirit of policy for enhancing the Government procurement from MSEs subject to bringing down of price to L1 by the MSE concerned.

**The Tendered quantity for each destination is Non – divisible.**

Purchase preference under Make in India (MII) shall be applicable in the manner specified in the latest Revision of Public Procurement (Preference to Make in India) Order 2017, and amendments thereto, subject to orders issued by Dept. of Fertilisers, Govt. of India

**6. BID SUBMISSION:**

Bid documents shall consist of 2 parts, **Part -A** and **Part- B** as detailed below:

**PART -A:** Eligibility Criteria cum Techno-commercial bid. This bid shall consist of the following documents:

- a) Payment receipt of EMD/ Certificate in proof of exemption of EMD
- b) Documents to satisfy eligibility criteria as mentioned in clause 7 of enquiry notice.
- c) Additional documents as mentioned in clause 8 of enquiry notice.
- d) Information about supplier (as per Annexure - IV).
- e) Compliance statement (as per Annexure – VII)
- f) Unpriced Bid (as per Annexure – VIII).
- g) Integrity Pact (as per Annexure – X)

**PART-A** bid, consisting of all documents as mentioned above shall be duly filled wherever required, signed and affixed with seal on all pages and uploaded on central public procurement portal before the due date and time.

7. The bidder shall furnish the following along with PART A.

- i. The GST registration Number and details. In the case of Provisional ID, GST Registration Number shall be provided on receipt of the same.
- ii. Address of the supplier/service provider's billing the item.
- iii. GST rates applicable for each item

In case of unregistered contractor, a declaration to that effect with reason should be furnished.

FACT's GST No. in the state of Kerala is **32AAACT6204C1Z2**. FACT's GST numbers in other southern states is as follows:

Telangana:	36AAACT6204C1ZU
Maharashtra	27AAACT6204C1ZT
Odisha	21AAACT6204C1Z5

The supplier/contractor shall do the following:

- a) Submit GST compliant tax invoice to FACT along with supply.
- b) Shall ensure uploading the above invoice as per statute &
- c) File monthly returns in time enabling FACT to claim the input tax credit.

GST charged by the supplier/contractor shall be released separately to the supplier/contractor only after filing of (i) the outward supply details & the monthly return on GSTN portal by the supplier/contractor and (ii) on matching the input tax credit to such invoice with the corresponding details of outward supply of the supplier/contractor.

In case FACT incurs any liability (like interest, penalty etc.,) due to denial/reversal of such input tax credit in respect of the invoice submitted by the supplier/contractor, for the reasons attributable to the supplier/contractor, the same shall be recovered from the supplier/contractor

Further in case FACT is deprived of the input tax credit due to any reason attributable to the supplier/contractor, the same shall not be paid or recovered if already paid to the supplier/contractor.

8. **PART B: PRICE BID (Annexure IX);** Price shall be indicated in the BOQ format.

Part -B (price bids) bids of bidders whose part-A bids are found acceptable on evaluation only, will be opened on a subsequent date.

9. Bidders are requested to visit Central Public Procurement Portal (<https://eprocure.gov.in>) for any updates / corrigenda on the enquiry, including extension of due date, if any. No advertisement will be given in the print media. Bidders shall meet all expenses in connection with submission of his bid, attending the bid.

10. Submission of the bid implies that (a) all the terms and conditions of FACT have been carefully read and understood by the bidder and (b) all the clarifications required are obtained by the bidder from FACT.

11. Counter conditions by bidder may render his application liable for rejection.

12. All clarifications and correspondence related to this enquiry shall be made only in English to Ph: 0484 2568233 / 2568620 / 2568363; email: [sivaram@factltd.com](mailto:sivaram@factltd.com); [shima@factltd.com](mailto:shima@factltd.com), [akash@factltd.com](mailto:akash@factltd.com)

If the supporting documents furnished by vendor which was valid on the opening of PART A of bid are expiring during period of contract, vendor shall give an undertaking that he shall arrange extension of validity of documents as and when required.

### **13. General:**

- a. FACT reserves the right to extend without giving any reason, the last date for submission and opening of bid, but such extension will be duly intimated to those who have submitted online. In case the date of bid opening happens to be a day of strike/hartal etc. due to any reasons or happens to be a holiday for FACT, declared due to unforeseen and emergency reasons or due to any tech problems, the bids will be opened at the same time on the next full working day.



b. FACT reserves the right to make changes in the tender documents, but such changes will be published in our portal as a corrigendum. Bidders are requested to counter check with portal before submitting their bids.

Mere submission of all the documents will not necessarily mean that the Bidder is suitable. Worthiness assessed by FACT will be final and binding on the Bidder.

c. FACT may relax condition of prior turnover and prior experience (if specified in the Eligibility criteria) with respect to Micro & Small Enterprises (MSEs) subject to meeting of quality and technical specifications.

d. Except in the cases of items/services related to public safety, health, critical security operations and equipment etc., FACT at its discretion may relax the conditions of prior turnover and prior experience (if specified in the Eligibility criteria) for Start-ups recognised by Dept. of Industrial policy and promotion (DIPP) subject to meeting quality and technical specifications, on furnishing copies of relevant certificates / documents in proof of such recognition by DIPP.

e. All clarification and correspondence related to this enquiry shall be made only in English to the Deputy. General Manager(Materials) RM, Centralized Materials, PD Administrative Building, FACT Ltd., Udyogamandal – 683 501, Tel: 0484-2568363 / 2568620 / 2568233; Email : [akash@factltd.com](mailto:akash@factltd.com) / shima@factltd.com; sivaram@factltd.com

f. All disputes and questions, claims, rights, matters or things, whatsoever, in any way, arising out of or relating to the calling of bids, evaluation of offers, award of contract, change in structure of bids or any other matter relating to finalization of contract are to be referred to the sole Arbitrator who shall be the General Manager [Materials] of FACT. The award shall be binding on both the parties. The bidders are advised to get informed of all details they require regarding the work before submitting their bids.

## **INSTRUCTIONS TO BIDDERS ON E-TENDER**

1. Bidders shall study carefully the complete enquiry documents
2. Offers against this enquiry shall be submitted online on e-procurement portal <https://eprocure.gov.in>, with valid 'Digital Signature Certificate' (DSC). Offers submitted on any other platform or in any other mode including e-mails, typed/printed offers as hard copy etc. SHALL NOT be accepted.
3. All interested bidders are requested to register themselves on the above website with their valid DSC. It is mandatory for bidders to have valid DSC (of Class II or Class III) issued by any of the Certifying Authority approved by Govt. of India for participating in the enquiry. Valid DSC shall be arranged by the bidders themselves at their cost. Bidders may refer Bidders Manual Kit available on the above website for detailed information and instructions for registering, submitting offers etc.
4. SUBMISSION OF BIDS: Bids shall be submitted in TWO PARTS
5. Part A Bid (ELIGIBILITY CUM TECHNO - COMMERCIAL BID) shall contain all the documents as per the Clause 6 and 7 of Instructions to Bidders.
6. Part-B: (PRICE BID):
  - a) Price Bid (BOQ) attached to the enquiry shall be uploaded after filling all relevant information such as, name of the bidder, basic price, taxes & duties as called for.
  - b) The priced bid shall be uploaded strictly in the format attached, failing which the offer is liable to be rejected. Renaming or changing format of the bid sheet will not be accepted by the System.
  - c) Please fill-in all the relevant fields. Blank fields in the uploaded BoQ shall be taken as that particular tax / duty / charge is not applicable or as included in the basic price. No claim afterwards will be entertained.
  - d) Prices shall be quoted only in the prescribed bid form and those indicated elsewhere, if any, shall not be considered.
  - e) Price Bid shall be uploaded only in Part B.
  - f) Bidders shall quote the unit prices in figures strictly in the order of serial numbers and units as per the Price Bid. The rates of all applicable taxes/duties shall be clearly indicated. The prices shall be firm without any escalation on any account till the order is completely executed.
7. Both Part-A and Part-B of the Bid shall be uploaded with all relevant documents before due date & time in the above portal. The system does not allow submission of bids or any other document forming part of the bid after the due date & time of bid submission.
8. Non-submission of any document or submission of incomplete documents may result in rejection of offers. Timely submission of offers along with all the relevant documents online is the responsibility of the bidders. The bids shall be submitted well in advance to avoid last minute issues like non availability of internet, server etc., FACT shall not be held responsible for bidder's inability to submit documents in time due to power failure, non-availability of internet etc., and for incomplete submission of offers or non submission of any documents forming part of the offers.

## 9. BID OPENING

- 9.1 Part-A of the bids of all bidders who submit their bid as per the instructions by the due date and time as above and which are in conformity with the instructions specified in the enquiry documents shall be opened online.
- 9.2 Part-B - Price bids of bidders whose Part-A bid is found acceptable based on eligibility and evaluation only will be opened on a subsequent date.

## 10. HELP DESK

- 10.1 In case of any queries regarding online bid submission through E tender, Please contact the E -Tender Helpdesk: Mr. Ajino Anand.  
Tel: 9497334230, Email:ajinoanandh@gmail.com

**Enquiry No: MM/ORG/MAN/24 dated 31/07/2024 for Supply of Organic Fertiliser (Organic manure)**

**INFORMATION ABOUT SUPPLIER**

[Please use additional sheets, if space is insufficient]

(FACT reserves the right to verify the information given as per this format and enclosures. It is the responsibility of the supplier to give the full details asked for as per this format for evaluating his bid as per this enquiry. Any misrepresentation of facts and withholding of information may result in disqualification. Please read instructions/ terms & conditions given herewith carefully. Strike off whichever is not applicable.)

1. Name & address of the firm: -----  
-----
2. Office telephone NO: -----
3. E-Mail IDs for correspondence: -----
4. Constitution of the firm: PROPRIETORSHIP / PARTNERSHIP / PVT LTD. CO / PUB. LTD. CO./CO-OPERATIVE SOCIETY (PLEASE TICK).
5. Category: Whether the entrepreneur comes under the following status (PLEASE TICK): MICRO/SMALL/MEDIUM
6. Year of establishment: .....
7. Plant wise capacity of Organic manure production:  
  
Plant 1 :..... MT/ANNUM  
(..... MT/Month)  
  
Plant 2. :..... MT/ANNUM  
(..... MT/Month)  
etc  
  
Total: :..... MT/ANNUM
8. Financial turnover in past three years:  
(copy of balance sheets to be furnished)
9. Name, address and telephone nos. of PROPRIETOR / PARTNERS/ DIRECTORS:  
  
Name: .....  
Address: .....  
Phone no (office): .....  
Phone no (residence): .....  
Mobile phone no.: .....
10. Details of persons who shall co-ordinate with fact for execution of the contract.

Name: .....  
 Address: .....  
 Phone no (office): .....  
 Phone no (residence): .....  
 Mobile phone no.: .....  
 E-mail id: .....

11. Details of authorized signatory:

Name: .....  
 Address: .....  
 Phone no (office): .....  
 Phone no (residence): .....  
 Mobile phone no.: .....  
 E-mail id: .....

12. Previous supplies:

SL. NO.	Name of the client served	Contract Period	Product Supplied	Volume in MT
1				
2				
3				
4				

NOTE: Documentary evidence in support of the above from clients served shall be enclosed along with the bid.

13. Bank and other details:

1	Income Tax PAN no.	
2	Name of the bank	
3	Address of the Bank branch	
4	City and state	
5	IFS code of the Bank branch	
6	Name of the Bank branch	
7	Bank account no.	
8	Account holders' name	
9	Vendor email address	

14. Quality Certificate & Analysis Report, in compliance with FCO specifications furnished: YES/NO

15. Give Details of Manufacturing Clearances/Capacity: Furnished Copies: YES/NO

- a) .....
- b) .....
- c).....

16. Registration in IFMS portal: YES/NO.....
17. EMD- Yes/No ..... IF MSE indicate documents given:
- 18.** Other Documents: Copy of GST Registration: Furnish Copy: YES/NO
19. Whether price bid submitted : YES/NO
20. Details of Wholesale Marketing License obtained:
21. Aadhar:
22. PAN:

25: Declaration by Bidder:

I/we certify that all information furnished by me / us in the information about supplier (Annexure-IV), is correct and true. In the event that the information given is found to be incorrect / untrue, fact reserves the right to disqualify me / us or terminate our contract without giving any notice or reason thereof.

I/we also confirm that we have read and understood all the conditions stated in your notice inviting tender, instructions to suppliers and terms and conditions and hereby confirm our acceptance of the same. I/we also undertake that in case of award of contract, i/we shall supply required quantity of Organic manure as per FCO standard in terms of quality to the destinations as per fact's instructions. I/we shall also deploy a responsible person with proper communication/office facility at the above locations for ensuring effective co-ordination during the contract period.

Place:

Date:

(Signature & seal of authorized signatory)

**LIST OF FACT APPROVED BANKERS FOR BANK GUARANTEE:**

Please note that all bank guarantees against the above referred enquiry shall be issued and confirmed by the banks approved by FACT. The list of banks approved by FACT is attached.

**A) List of Scheduled Public Sector Banks**

1.	Bank of Baroda
2.	Bank of India
3.	Bank of Maharashtra
4.	Canara Bank
5.	Central Bank of India
6.	Indian Bank
7.	Indian Overseas Bank
8.	Punjab & Sind Bank
9.	Punjab National Bank
10.	State Bank of India
11.	UCO Bank
12.	Union Bank of India

**B) List of Scheduled Private Sector Banks**

1.	Axis Bank Ltd.
2.	Bandhan Bank Ltd.
3.	CSB Bank Ltd.
4.	City Union Bank Ltd.
5.	DCB Bank Ltd.
6.	Dhanlaxmi Bank Ltd.
7.	Federal Bank Ltd.
8.	HDFC Bank Ltd
9.	ICICI Bank Ltd.
10.	IndusInd Bank Ltd
11.	IDFC First Bank Ltd.
12.	Jammu & Kashmir Bank Ltd.
13.	Karnataka Bank Ltd.
14.	Karur Vysya Bank Ltd.
15.	Kotak Mahindra Bank Ltd
16.	Lakshmi Vilas Bank Ltd.
17.	Nainital Bank Ltd.
18.	RBL Bank Ltd.
19.	South Indian Bank Ltd.
20.	Tamilnad Mercantile Bank Ltd.
21.	YES Bank Ltd.
22.	IDBI Bank Lt

**c) FOREIGN BANKS:**

1. ABN AMRO Bank N.V.,
2. American Express Bank Limited,
3. Bank of American National Trust & Saving Association,
4. Bank of Tokyo Limited,
5. Barclays Bank PLC
6. BNP Paribas
7. Calyon Bank
8. Citibank N.A.,
9. Deutsche Bank,
10. Development Bank of Singapore (DBS)
11. Hong Kong & Shanghai Banking Corporation Limited,
12. ING Vysya Bank
13. JP Morgan Chase Bank,
14. Standard Chartered Bank.

Note: If Bank Guarantee is issued from a foreign branch of an Indian Bank, then confirmation from Indian branch is necessary. If Bank Guarantee is issued from a foreign bank, then counter guarantee from Indian Bank is necessary



**PROFORMA OF BANK GUARANTEE FOR SECURITY DEPOSIT (TO BE OBTAINED FROM A INDIAN NATIONALISED/SCHEDULED BANK ON STAMP PAPER WORTH Rs.500/-)**

**The Fertilisers and Chemicals Travancore Ltd., Udyogamandal, Cochin-683 501.**

WHEREAS FACT - Head Office, a Division of The Fertilisers and Chemicals Travancore Limited, Udyogamandal P.O. Kerala (hereinafter called referred to as the Company) has placed a Purchase Order No.....dated.....with M/s.....hereinafter called the Seller) for the supply of ..... and whereas it is one of the conditions of the said purchase order that the Seller shall either remit a sum of INR.....(INR.....only) or furnish a Bank Guarantee for INR..... (INR.....only) as security deposit for the due fulfillment of the said purchase order by the said Seller.

In consideration of the Company having agreed to accept a Bank Guarantee from us towards such security deposit in lieu of the cash deposit in accordance with the terms and conditions of the above purchase order, we..... the Bank (hereinafter referred to as the Bank) do hereby undertake to pay the Company merely on demand any sum or sums from time to time demanded by the Company up to a maximum of INR..... (INR..... only) being the amount of the security deposit against any loss or damage caused to or suffered by or would be caused to or suffered by the Company by reason of any breach by the said Seller of any of the terms and conditions contained in the said purchase order.

We, the said Bank, do hereby unconditionally and irrevocably undertake to pay the amount upon fist written demand from the company, without any demur or protest. We, the bank further confirms that the company is not required to state the reasons or show grounds for such demand. Any such demand made by the Company shall be binding and conclusive as regards the amount due and payable by the bank under the Guarantee.

We undertake to pay to the Company any money so demanded not withstanding any dispute or disputes raised by the said Seller in any suit or proceeding pending before any court or Tribunal relating thereto our liability under this being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the said Seller shall have no claim against us for making such payment.

We ..... further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Purchase order and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said contract have been fully paid and its claim satisfied or discharged or till the Company certifies that the terms and conditions of the said contract have been fully and properly carried out by the said Supplier and accordingly discharges this guarantee.

We ..... further agree with the said Company that they shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Purchase order or to extend time of performance by the said Supplier or to postpone for any time and from time to time any of the powers exercisable by it against the Seller and either to enforce or forebear from enforcing any of the terms and conditions governing the said Purchase order or securities available to the Company and the said Bank shall not be released from its liability under

these presents by any exercise by the Company of the liberty with reference to the matters aforesaid or by reason of time being given to the said Seller or any other forbearance, act or omission on the part of the Company or any indulgence by the Company to the said Seller or any other matter or thing whatsoever which under the law relating to sureties, but for this provision, have the effect of so relieving us.

This guarantee shall not be effected by any change in the constitution of the Bank or the Company or the said Seller nor shall this guarantee be affected by any change in the constitution of the Company or the said Seller by absorption with any other body or corporation and this guarantee shall be available to or enforceable by such body or corporation.

Our guarantee shall remain in force until ..... Unless a claim or demand is made within six months after the expiry of the above date, all the Company's rights under the guarantee shall be deemed as waived/forfeited and we shall be relieved and discharged from all liabilities thereunder. Notwithstanding anything contained hereinbefore, our liability under this guarantee shall be limited to an amount not exceeding INR..... (INR ..... only).

Any notice by way of request, demand or otherwise hereunder may be sent by post to the Bank addressed as aforesaid or any local branch of the Bank in Ernakulam Dist / Kerala State and if sent by post, it shall be deemed to have been given at the time when it would be delivered in due course of post and in proving such notice when given by post, it shall be sufficient to prove that the envelope containing the notice was posted and certificate signed by an officer of the Company that the envelope was so posted shall be conclusive.

Disputes/differences, if any, relating to or arising out of this Bank Guarantee, shall be settled by courts having jurisdiction over Udyogamandal, in Kerala State, where the registered office of the company is situated and no other court shall have jurisdiction in the matter.

We ..... Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of FACT in writing.

Dated this ..... day of ..... Two thousand and Twenty-three

For (Name of Bank) :  
Authorized Official :  
Name :  
Designation :  
Place:

Full address of the Branch issuing this guarantee.

**COMPLIANCE STATEMENT**

Ref: Enquiry No. MM/ORG/MAN/24 dated 31/07/2024

We have read and understood the Enquiry Documents against your enquiry no. MM/ORG/MAN/24 dated 31/07/2024 and hereby confirm our acceptance to the same except for the deviations listed below:

LIST OF DEVIATIONS		
Document/ Clause No.	Description	Reasons for Deviations

Name of Vendor:

Name & Designation of Authorized Signatory:

Seal & Signature:

Date:

**(To be executed on Plain Paper)  
INTEGRITY PACT**

**Between**

The Fertilizers and Chemicals Travancore Limited (FACT), a company formed and registered under the Travancore Companies Act IX to 1114 (Companies Act, 2013) and having its registered office at Eloor, Udyogamandal-683501, Kochi, Ernakulam Destination, Kerala, hereinafter referred to as "The Principal".

**And**

..... hereinafter referred to as "The Bidder/ Contractor".

**Preamble**

The Principal intends to award, under laid down organization procedures, contract/s for ..... The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness / transparency in its relations with its Bidder(s) and or/Contractor(s).

In order to achieve these goals, the Principal will appoint an Internal External Monitor (EIM), who will monitor the tender process and execution of the contract for compliance with the principle mentioned above.

**Section 1 - Commitments of the Principal**

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

a) No employee of the Principal, personally or through family members, will in connection with the tender, or the execution of the contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

b) The Principal will, during the tender process, treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

c) The Principal will exclude from the process all known prejudiced/interested persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the India Penal Code / Prevention of Corruption Act, or if there be a substantive suspicion in this regard, the Principal will inform the Vigilance Officer and in addition can initiate disciplinary actions.

**Section 2 - Commitments of the Bidder(s) / Contractor(s)**

(1) The Bidder(s) / Contractor(s) commits themselves to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

a) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person, any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange, any advantage of any kind whatsoever during the tender process or during the execution of the contract.

b) The Bidder(s) / Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c) The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/ Contractor (s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s) / Contractor(s) of foreign origin shall disclose the name and address of the Agents / Representatives in India, if any. Similarly, The Bidder(s) / Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. All the payments made to the India agent/representative have to be in Indian rupees only.

e) The Bidder(s) / Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

(2) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

### **Section 3 - Disqualification from tender process and exclusion from future contracts**

If the Bidder(s)/Contractor(s), before award or during the execution of has committed a transgression through a violation of Section above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or to terminate the contract, if already signed, for such reason.

### **Section 4 - Compensation for Damages**

(1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquid damages of the contract value or the amount equivalent to Performance Bank Guarantee.

### **Section 5 - Previous Transgression**

(1) The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in India conforming to the anti-corruption approach including Public Sector Enterprise in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process and appropriate action can be taken including termination of contract, if already awarded, for such reason.

### **Section 6 - Equal treatment of all Bidders / Contractors / Subcontractors**

(1) The Bidder(s)/Contractor(s) undertakes(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.

(2) The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors/Suppliers and Subcontractors.

(3) The Principal will disqualify from the tender process all Bidders who do not sign this Pact or violate its provisions.

### **Section 7 – Criminal charges against violating Bidder(s) / Contractor(s) /Subcontractor(s)**

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor, or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

### **Section 8 - Independent External Monitor/Monitors**

(1) The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

(2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. It will be obligatory for him to treat the obligations and document of the Bidder(s)/Contractor(s) as confidential. He reports to the Chairperson and managing Director, FACT.

(3) The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to this project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/ Subcontractor(s) with confidentiality.

(4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

(5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or to take corrective action, or to take other relevant action. The Monitor can in this regard submit non-binding recommendation. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

(6) The Monitor will submit a written report to the Chairman and Managing Director, FACT within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

(7) Monitor shall be entitled to compensation on the same terms as being extended to /provided to Independent Director on FACT Board.

(8) If the Monitor has reported to the Chairman and Managing Director, FACT, a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman and Managing Director, FACT has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

(9) The word 'Monitor' would include both singular and plural.

**Section 9 - Pact Duration**

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by the Chairman and Managing Director, FACT

**Section 10 - Other provisions**

(1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Udyogamandal, Kerala.

(2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

(3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

(4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(5) The Bidder / Contractor signing this "Integrity Pact" shall not approach the court while representing the matters to IEMs and he/she shall wait their decisions in this matter.

(For & On behalf of the Principal)  
Seal)

For & On behalf of Bidder(s)/Contractor(s) (Office  
(Office Seal)

Witness 1:  
(Name & Address) .....

Witness 2:  
(Name & Address) .....

Place:  
Date:

**TECHNICAL PROCUREMENT SPECIFICATION (TPS)**

**FOR**

**OUTSIDE LAMINATED POLYPROPYLENE (PP) BAGS**

**FOR**

**PACKING ORGANIC MANURE**


**FACT UDYOGAMANDAL COMPLEX**

**KOCHI**

**INDIA**

**TPS No. UCTS/TPS/2021-01 R0**



 <b>FACT</b>		<b>FACT UDYOGAMANDAL COMPLEX</b>	<b>UCTS/TPS/2021-01 R0</b>
<b>TECHNICAL PROCUREMENT SPECIFICATION</b>	<b>OUTSIDE LAMINATED POLYPROPYLENE (PP) BAGS WOVEN ON CIRCULAR LOOMS FOR PACKING ORGANIC MANURE</b>		<b>PAGE 1 of 5</b>


<b>No</b>	<b>Description</b>	<b>Details</b>
1.0	INSIDE DIMENSIONS	1000 MM X 610 MM
1.1	TOLERANCE	+ 30 MM, -0.00 ( -NIL ON BOTH WIDTH AND LENGTH.)
2.0	CAPACITY	50 KGS.
3.0	BAG WEIGHT	
3.1	WEIGHT OF INDIVIDUAL BAG	182 GMS. TOLERANCE $\pm$ 3%
3.2	WEIGHT OF A BALE (250 BAGS)	45.5 KGS. (NET WT.) TOLERANCE +3%/- 0.00% (No negative tolerance)
4.0	BREAKING STRENGTH	TESTING OF BREAKING STRENGTH SHALL BE DONE USING RAVELLED STRIP METHOD (CONSTANT RATE OF TRAVERSE) AND THE RATE OF TRAVERSE SHALL BE 300 MM / MINUTE.
4.1	i) WIDTHWISE ii) WIDTHWISE (Lamination Joint)	91.8 KGF 91.8 KGF
4.2	LENGTHWISE	91.8 KGF
4.3	BOTTOM SEAM	40.8 KGF
5.0	DROP TEST	THE DROP TEST SHALL BE CARRIED OUT FOR EACH LOT SUPPLIED BY THE BAG SUPPLIER. FOR THIS TEST 4 nos. BAGS SHALL BE RANDOMLY SELECTED FROM EACH LOT. ALL BAGS SHALL BE SUBJECTED TO DROP TEST FROM A HEIGHT OF 3M FROM BOTH SIDES (4 DROP PER BAG). BAGS DURING DROP TEST WILL DROPPED ON THE STOMACH. NO BAGS SHOULD RUPTURE WHEN SUBJECTED TO MINIMUM 04 NOS. DROPS.
6.0	FABRIC	BAGS MADE OUT OF SINGLE PIECE OF LAMINATED PP FABRIC WOVEN ON CIRCULAR LOOM AS PER IS 9755. ANY MIDDLE SEWN OR JOINTED BAGS WILL NOT BE ACCEPTABLE. THE FABRIC USED SHALL BE FREE FROM ALL MAJOR WEAVING DEFECTS LIKE GAPS, PICK POINTS, MISSING TAPES ETC. PP GRANULE

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R0****TECHNICAL  
PROCUREMENT  
SPECIFICATION****OUTSIDE LAMINATED POLYPROPYLENE (PP)  
BAGS WOVEN ON CIRCULAR LOOMS FOR  
PACKING ORGANIC MANURE****PAGE 2 of 5**

		FOR FABRIC & UV MASTER BATCH- <b>Grade H030SG OR EQUIVALENT</b> . MIN 3% of 20% UV MASTER BATCH TO BE USED AND THE PP WOVEN FABRIC OF SACK SHALL BE MADE OUT OF UV STABILISED MATERIAL AND SHALL HAVE AT LEAST 50% OF ORIGINAL BREAKING STRENGTH WHEN TESTED AFTER THE SAME HAS BEEN EXPOSED TO UV RADIATION AND WEATHERING AS PER METHOD GIVEN IN ANNEXURE-D OF IS 9755 : 2016. FABRIC COLOUR-MILKY WHITE WITH BLUE TONE.
6.1	TAPE	MONOAXIALLY ORIENTED PP TAPES HAVING 1000 DENIER AND MINIMUM WIDTH OF 2.5MM. THE FABRIC SHALL BE WOVEN FROM PP TAPES <b>CONFORMING TO IS: 11197</b> . THE ELONGATION OF TAPES WHILE TESTING BREAKING STRENGTH SHALL BE IN THE RANGE OF 15 to 25%. TOLERANCE FOR DENIER: $\pm 10\%$ DENIER.
6.2	MESH	10 x 10 PER SQ. INCH.
6.3	ENDS PER DM	40. TOLERANCE $\pm 2$
6.4	PICKS PER DM	40. TOLERANCE $\pm 2$
6.5	ELONGATION AT BREAK OF FABRIC	(5.0 CM X 20 CM STRIP METHOD)
6.5.1	LENGTHWISE	20%
6.5.2	WIDTHWISE	20%
6.5.3	TOLERANCE	RANGE: 15 to 25 % ON BOTH WIDTHWISE & LENGTHWISE.
7.0	LAMINATION	FABRIC SHALL BE LAMINATED OUTSIDE WITH PP GRANULES (PP <b>GRADE LAMINATION- H350EG/H350FG OR EQUIVALENT</b> ) 23 GMS/M <sup>2</sup> (CORRESPONDING TO 100 GAUGE NOMINAL) WITH AN OVERLAP/OVERHANG OF 5- 15MM. VIRGIN PP GRANULES SHALL BE USED AND THE LAMINATION SHALL BE FREE FROM PIN HOLES, PATCHES, BLISTERS, TEARS ETC. THE LAMINATION SHOULD COVER THE ENTIRE OUTSIDE AREA OF THE FABRIC USED. COLOR OF LAMINATION OF BAGS SHALL BE TRANSPARENT
8.0	LINER	i. COLOUR : WHITE ii. HMHDPE WITH THICKNESS 40 MICRONS $\pm 10\%$ tolerance

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		iii. LENGTH-1040 MM X WIDTH-630 MM iv. HMHDPE GRADE-F55HM0003 or EQUIVALENT (Liner and fabric should be stitched together at bottom).
9.0	BAG MOUTH	NEATLY SCISSOR CUT. EDGES SHOULD NOT BE ROUGH.
10.0	BRANDING/PRINTING	AS PER MONOGRAM SPECIFIED BY FACT. THE FOLLOWING INK (FERTILISER GRADE) SHALL BE USED: HINDUSTAN INK BY HINDUSTAN INKS AND RESINS LTD., DAMAN.OR VARSHA INK OF VARSHA PRINTING INK MFG. CO., NAGPUR. SHADE OF THE BRANDING SHALL BE UNIFORM AND MATCHING FACT'S REQUIREMENTS.
<p>THE INK USED SHOULD HAVE SCRATCH RESISTANT AIDS, GLOSSY, HIGH TECH/ POLYAMIDE QUALITY, ALKALI RESISTANT, SMUDGE FREE, BRIGHT IN COLOR, SHOULD NOT SMEAR IN CONTACT WITH WATER AND SHOULD NOT AFFECT THE FABRIC. ART WORK WILL BE PROVIDED BY FACT. PRINTING QUALITY SHALL BE CORONA TREATED SCUFF RESISTANT/VERY SHARP PRINT,NAIL PROOF/TAPE PROOF &amp; EVEN COLORS THROUGHOUT THE LOT(PREFERABLY POLYAMIDE) ON ROLL TO ROLL PRINTING MACHINE. 3 SAMPLES OF THE BAGS OF THE REQUIRED COLOUR AS PER FACT REQUIREMENT SHALL BE SUBMITTED BEFORE STARTING BULK MANUFACTURING OF BAGS.ALL THE SAMPLES WILL BE SIGNED AND APPROVED SAMPLE WILL BE RETURNED WITH SIGNATURE OF THE AUTHORIZED REPRESENTATIVE OF FACT. ANY LOT SUPPLIED, IF FOUND DEVIATING IN COLOUR AS COMPARED TO APPROVED COLOUR WILL NOT BE ACCEPTED.</p> <p><b>EACH SACK SHALL BE COMPULSORILY MARKED WITH VISIBLE RECYCLING LOGO (PP) AS SHOWN IN IS 9755:2016, ON THE BOTTOM OF THE BAG.</b></p> <p><b>THE ENTIRE LOT OF PP BAGS SHALL BE LIABLE FOR REJECTION IN CASE THE TEST SAMPLES FAIL TO PASS THE TAPE TEST, ALKALI TEST AND STANDARD TEST FOR ABRASION RESISTANCE OF PRINTED MATERIALS BY SUTHERLAND RUB TESTER: AS PER ASTM D5264-98(RE APPROVED 2004)</b></p>		
11.0	STITCHING	SINGLE FOLD, DOUBLE STITCH AT BOTTOM WITH UV STABILISED THREAD/MULTIFILAMENT YARN OF 1200 DENIER.

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		STITCHING SHALL BE DONE AS PRESCRIBED IN IS 9755. FOLD SHOULD OCCUR ON THE OPPOSITE SIDE OF THE PRINTING MADE ON THE BAG.
12.0	PACKING	250 BAGS IN A BALE. BALES SHALL BE WRAPPED WITH HDPE/PP FABRIC OR HESSIAN CLOTH AND STITCHED PROPERLY TO WITHSTAND HAZARDS OF TRANSPORTATION. EACH BALE SHALL BE MARKED WITH NAME OF SUPPLIER, TYPE AND SIZE OF BAG, SERIAL NO. OF BALE, NO. OF BAGS IN THE BALE AND THE BALE WEIGHT
13.0	ASH CONTENT	ALL THE LOTS SUPPLIED SHALL BE TESTED FOR ASH CONTENT WHICH INCLUDES MAINLY CALCIUM CARBONATE CONTENT. ASH CONTENT IN BAGS SHALL BE 2.2% MAX (INCLUDING ALL IMPURITIES). <b>IN CASE ASH CONTENT IS ABOVE 2.2% THE LOT WILL BE REJECTED.</b> SAMPLES SHALL BE TAKEN OUT FROM THE LOT AS SPECIFIED IN IS 9755:2016 FOR TESTING ASH CONTENT
14.0	CRITERIA FOR CONFORMITY	THE LOT SHALL BE CONSIDERED AS CONFORMING TO THE REQUIREMENTS FOR ACCEPTANCE IF ALL THE FOLLOWING CONDITIONS ARE SATISFIED.
		<ul style="list-style-type: none"> <li>i. THE NUMBER OF DEFECTIVE SACKS IN CASE OF VISUAL INSPECTIONS, ENDS, PICKS AND DIMENSIONS IS UP TO 10% OF THE SAMPLE SIZE AFTER ROUNDING OFF THE FRACTION TO NEXT HIGHER INTEGER.</li> <li>ii. NONE OF THE SACK OR BALE OF 250 SACKS WEIGHS LESS THAN THE RESPECTIVE LOWER SPECIFIED LIMIT. HIGHER WEIGHT CAN BE ACCEPTED</li> <li>iii. THE AVERAGE BREAKING STRENGTH OF FABRIC IN BOTH LENGTHWISE, WIDTHWISE AND WIDTHWISE (LAMINATION JOINT) IS NOT LESS THAN THE VALUE SPECIFIED AND NONE OF THE INDIVIDUAL VALUES IS MORE THAN 10% BELOW THE SPECIFIED VALUE. THE SAMPLES SELECTED FOR BREAKING STRENGTH TESTS SHALL BE FREE FROM DEFECTS IN VISUAL INSPECTION, DIMENSIONS, ENDS, PICKS AND MASS REQUIREMENTS.</li> <li>iv. THE AVERAGE BREAKING STRENGTH OF THE FABRIC AT BOTTOM SEAM IS NOT LESS THAN THE VALUE SPECIFIED AND NONE OF THE INDIVIDUAL BAG VALUE IS</li> </ul>

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	<p>MORE THAN 10% BELOW THE SPECIFIED VALUE. THE SAMPLE SELECTED FOR SEAM STRENGTH TESTS SHALL BE FREE FROM DEFECTS IN VISUAL INSPECTION, DIMENSIONS, ENDS, PICKS AND MASS REQUIREMENTS.</p> <p>v. NONE OF THE SAMPLE SACKS SHALL HAVE PERCENTAGE ELONGATION AND ASH CONTENT OUTSIDE THE SPECIFIED RANGE</p> <p>vi. NONE OF THE PP SACK SAMPLES AFTER EXPOSING TO UV RADIATION AND WEATHERING SHALL HAVE BREAKING STRENGTH LESS THAN 50 PERCENT OF THE ORIGINAL BREAKING STRENGTH.</p> <p>vii. NONE OF THE PP SACK SAMPLES SHALL FAIL IN THE DROP TEST</p> <p>viii. NONE OF THE PP SACK TEST SAMPLES SHALL FAIL IN THE TAPE TEST, ALKALI TEST AND STANDARD TEST FOR ABRASION RESISTANCE OF PRINTED MATERIALS BY SUTHERLAND RUB TESTER: AS PER ASTM D5264-98 (RE APPROVED 2004)</p>		
15.0	<table border="1"> <tr> <td data-bbox="370 871 654 1108"> APPLICABLE STANDARD </td> <td data-bbox="654 871 1390 1108"> APPLICABLE STANDARD SHALL BE IS 9755: 2016 FOR PP WOVEN SACKS FOR PACKING FERTILISERS. HOWEVER, IN CASES WHERE REQUIREMENTS IN THIS SPECIFICATION DIFFER FROM THOSE IN IS 9755:2016, REQUIREMENTS IN THIS SPECIFICATION SHALL PREVAIL OVER THOSE IN IS.9755:2016. </td> </tr> </table>	APPLICABLE STANDARD	APPLICABLE STANDARD SHALL BE IS 9755: 2016 FOR PP WOVEN SACKS FOR PACKING FERTILISERS. HOWEVER, IN CASES WHERE REQUIREMENTS IN THIS SPECIFICATION DIFFER FROM THOSE IN IS 9755:2016, REQUIREMENTS IN THIS SPECIFICATION SHALL PREVAIL OVER THOSE IN IS.9755:2016.
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(Ref.-TPS No. PP bag ORGANIC spec (R6)dt.27/01/2020)

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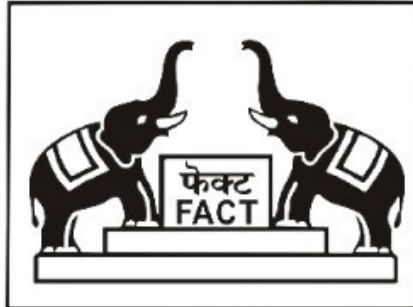


ORGANIC

फेक्ट ओर्गानिक

പാക്ട് ഔർകാനിക് പിണ്ഡ്

മുക്ത ഹൈലിംഗ്



ജാക് അന്റീക് പ്ലസ്

ഫാക്ട് ഓർഗാനിക് പ്ലസ്



ORGANIC MANURE \* FOR ALL SOILS  
AN FCO PRODUCT



Gross weight: 50.182 kg Net weight: 50 kg

Marketed by:  
THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED.,  
UDYOGAMANDAL, KOCHI, KERALA - 683501  
(A Government of India Enterprise)  
MRP: ₹ 400.00 Per bag (Inclusive of all taxes)  
Per kg Sale Price = ₹ 8.00

MFD by:

Batch No.:

Customer care cell: 0484-2546793 [mktres@factltd.com](mailto:mktres@factltd.com)  
The FACT Limited Udyogamandal - 683501



FACT



FACT



FACT



FACT



FACT



FACT



## FACT ORGANIC PLUS

FCO Parameters	Value
<b>Physical Parameters:</b>	
Moisture % by weight, maximum	25%
Particle Size	Min 90% material should pass through 4 mm IS sieve
Bulk Density (g/cm <sup>3</sup> )	<1
Total Organic Carbon % by weight, minimum	14
Total Nitrogen (as N) % by weight, minimum	0.5
Total Phosphates (as P <sub>2</sub> O <sub>5</sub> ), % by weight minimum	0.5
Total Potash (as K <sub>2</sub> O), % by weight minimum	0.5
NPK nutrients-Total N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O nutrient should not be less than 3%	
C:N ratio	<20
pH	6.5 - 7.5
Conductivity (as dSm <sup>-1</sup> ), not more than	5.0
Pathogen	Nil
Heavy Metal Content (as mg/kg), maximum	
Arsenic (as As <sub>2</sub> O <sub>3</sub> )	10
Cadmium (as Cd)	5
Chromium (as Cr)	50
Copper (as Cu)	300
Mercury (as Hg)	0.15
Nickel (as Ni)	50
Zinc (as Zn)	1000