



Ramagundam Fertilizers and Chemicals Limited
Corporat Office: 4th Floor, Mohta Building, Bhikaji Cama Place, New Delhi – 110 066
Phone No: 011 26701400; Fax No: 011 26180729

Tender No: RFCL / C&P / Lab Items / Part-A / Nov 2018

Date: 01.11.2018

Due Date / Tender Closing Date & Time: 05.12.2018 at 14:30 hrs

*** TENDER FEE = Rs. 1180.00**
*** EMD = Rs 100000.00**
(to be submitted in separate envelope)

SUB: Request for Quotation

Dear Sir

Ramagundam Fertilizers And Chemicals Limited (RFCL) was incorporated on 17th Feb, 2015 for setting up Gas based Urea manufacturing plant at Ramagundam in Peddapalli district of the Indian state of Telangana with capacity of 2,200 MTPD Ammonia Unit and 3,850 MTPD Urea Plant. RFCL is a Joint Venture Company of National Fertilizers Limited (NFL), Engineers India Limited (EIL) and Fertilizer Corporation of India Limited (FCIL). RFCL intends to enter into contract for **Supply of various Laboratory items** at its Plant located at Ramagundam (Telangana). You are invited to submit a Techno-commercial proposal and Price proposal in TWO PART BID latest by the DUE DATE mentioned above for the said items as detailed here under in this document.

1. The Quotation should be sent in SEALED ENVELOPE in **TWO PART BID** superscribed with our Enquiry No: RFCL / C&P / Lab Items / Part-A / Nov 2018, Dated: 01.11.2018, so as to reach before 14.30 Hours (Local time) on 05.12.2018.
2. The rates should be quoted as per price bid given in the enquiry only. Rates should be firm for a minimum period of 120 **days** from the date of opening of the tender and should be on FOR/FOT _____ (name of place of dispatch/destination) **excluding** insurance. Insurance shall be covered by RFCL. **The rates should be quoted both in figures and words.**
3. Your GST Registration No. and Permanent Account No., allotted by the concerned Department should be mentioned in the quotation positively.
4. **The tender should reach RFCL, New Delhi office on or before 2.30 PM on the due date mentioned above.** The tenders will be opened at 2.31 p.m. on the same date in the presence of such of those tenderers who may like to be present. Quotations will be considered subject to the terms and conditions given on reverse.
5. The tenderer shall submit prescribed Earnest Money Deposit Amount (as the case may be) by demand draft payable to Ramagundam Fertilizers and Chemicals Limited, New Delhi or Bank Guarantee from a Scheduled Bank operating in India except Rural and Cooperative Banks, towards Earnest Money which shall be refunded as expeditiously as possible after finalization of tender. No interest is payable on such deposit. Tenders without earnest money shall be rejected.
6. Whenever the bidder is silent about the acceptance of NIT conditions such as SD bank guarantee, warranty period, PRS / liquidated damages, Jurisdiction etc, it shall be presumed that the bidder has accepted NIT conditions and no further correspondence seeking specific confirmation about acceptance of these conditions shall be made.
7. In case a tenderer is not interested to quote, a regret letter giving reasons for the same must be sent to us. In case any tenderer regularly abstains from submitting quotation, we may be constrained to delist the tenderer from our vendor list.

Thanking You
For & On Behalf Of
Ramagundam Fertilizers and Chemicals Limited


Gaurav Goel
Deputy Manager (C&P)

ANNEXURES

Tender No: RFCL / C&P / Lab Items / Part-A / Nov 2018, Dated: 01.11.2018

Sr. No.	Annexures	Particulars
1	Annexure- I	List of Items and Tenms & Conditions
2	Annexure- II	Detailed technical specifications
3	Annexure- III	Eligibility Criteria
4	Annexure- IV	Price Bid Format
5	Annexure- V	Shipping Instructions
6	Annexure- VI	Benefits to Micro and Small Enterprises (MSEs)
7	Annexure- VII	Loading Criteria
8	Annexure- VIII	General Terms & Conditions of Notice Inviting Tender
9	Annexure- IX	BG Format for EMD
10	Annexure- X	BG Format for SD cum PBG
11	Annexure- XI	Integrity Pact

Tender No: RFCL / C&P / Lab Items / Part-A / Nov 2018, Dated: 01.11.2018

LIST OF ITEMS

S.No	Item Description (Detailed specifications as per Annexure – II)	UoM	Quantity
1	ATOMIC ABSORPTION SPECTROPHOTOMETER	No.	1
2	PORTABLE DIGITAL DEW POINT METER	No.	2
3	PORTABLE FLUE GAS ANALYZER	No.	2
4	GAS CHROMATOGRAPH (05 NOS)	-	-
4.1	FOR ANALYSIS OF NATURAL GAS	No.	1
4.2	FOR PROCESS GAS ANALYSIS	No.	1
4.3	FOR TRACES OF CO & CO2	No.	1
4.4	FOR SULFUR COMPOUNDS	No.	1
4.5	FOR DME, METHYLFORMATE, ACETONE, METHYLETHYL KETONE, HIGH ALCOHOLS	No.	1
5	KARL FISHER MOISTURE ANALYZER (COULOMETRIC TITRATION)	No.	1
6	PORTABLE DISSOLVED OXYGEN ANALYZER FOR BFW	No.	1
7	PORTABLE MICROPROCESSOR BASED NON DISPERSIVE INFRA RED (NDIR) SPECTROPHOTOMETER	No.	2
8	TENSLE TESTING MACHINE-DIGITAL FOR STRENGTH TESTING OF HDPE BAGS	No.	3
9	AUTOMATIC POTENTIOMETRIC TITRATOR	No.	1
10	ION SELECTIVE METER	No.	1
11	PLATINUM DISH	No.	4
12	OIL TESTING CENTRIFUGE WITH MICROPROCESSOR CONTROL:	No.	2
13	HIGH VOLUME SAMPLER	No.	4
14	HIGH PERFORMANCE LIQUID CHROMOTOGRAPHY FOR NEEM OIL QUALITY	No.	1
15	DIGITAL DENSITY METER	No.	1
16	GAS DETECTION APPARATUS	No.	1
17	DIGITAL MICROSCOPE WITH CRT	No.	1
18	BOD DETERMINATION APPARATUS (DO METER AND INCUBATOR) WITH 20 PCS OF INCUBATION BOTTLES 250 TO 300 ML	No.	1

Pl confirm acceptance of additional terms and conditions as indicated below while submitting your offer

Sr. No	Terms and Conditions	Bidder's confirmation
1.0	ELIGIBILITY CRITERIA:- Bidders shall agree to the eligibility criteria for the tender (Attached as Annexure- III) and shall submit necessary documents (duly indexed and numbered) mentioned in it. Any offer not meeting the eligibility criteria shall be rejected.	Bidder's confirmation
2.0	Rates should be quoted in words and figures valid for the period of 120 days from due date. Price bid format as per Annexure- IV enclosed.	Bidder's confirmation
3.0	In case of Indian bidder: Prices should be quoted on FOT/FOR, RFCL Ramagundam basis including Packing & Forwarding charges but excluding GST & Transit Insurance. Transit risk insurance for the consignment shall be arranged by the RFCL.	Bidder's confirmation
4.0	In case of foreign bidder: Prices should be quoted on CPT Hyderabad Airport (International Airgargo Complex) , Including air Freight Charges upto HYDERABAD airport, INDIA, including packing & forwarding charges, Inland freight charges, FCA Charges, testing, documentation charges, all taxes / duties within the country of origin of goods up to port of exit, bank charges and stamp duties, duties outside India and TPI charges, if any as per requirement but excluding marine insurance, taxes / duties, applicable and payable in	Bidder's confirmation

	India, shall be to RFCL account and all other bank charges shall be to bidders account. Please indicate Airport of departure in your quotation / International Airport of Shipment in your quotation.	
5.0	Please intimate BTN Classification Number i.e. Item Heading Of Custom Tariff, enabling you to export this material.	Bidder's confirmation
6.0	Percentage of Agency Commission (inclusive of GST), if any , included in quoted prices and payable to your Indian Agents in Indian Currency must be clearly indicated. Agency Commission (In INR only), if applicable, will be paid after satisfactory receipt and inspection of material at our site. The Name and Address of your Indian Agent should be given in the quotation. GST compliant invoice must be raised for claiming payment which shall be subjected to TDS as applicable under income tax act 1961.	Bidder's confirmation
7.0	Delivery period: Bidder to quote shortest delivery period.	Bidder's confirmation
8.0	Price Reduction Schedule (PRS): It shall be obligatory on the part of suppliers to adhere strictly to the deliveries quoted and accepted by us in our orders. In case of delay in supplies, unless extension of delivery has been granted by us on application by the suppliers, we may at our option either (i) Price shall be reduced @ 0.5% per week or part thereof subject to maximum of 5% of net contract price in case of delay in supplies. Supplier shall raise the invoice with reduced price in case of delay in supplies, or (ii) purchase elsewhere on account and at the risk and cost of the suppliers the stores not delivered or(iii)cancel the contract without prejudice to our rights under (i) & (ii) above.	Bidder's confirmation
9.1	Payment terms in case of foreign bidder: 100% through Letter of credit on presentation of invoice and other usual shipping documents and upon receipt of a SD cum PBG as per clause no. 24.	Bidder's confirmation
9.2	Please note that your Banker's Charges including LC Confirmation Charges shall have to be borne by you. However, Bank Charges in India excluding LC Confirmation Charges shall be borne by RFCL. Also in case of Order and subsequent to establishment of LC, if any amendment is required to be got made in the established Letter of Credit or the validity of Letter of Credit is required to be got extended for reasons for which RFCL is not responsible then the Bank Charges for such amendments/extensions to/of Letter of Credit shall be borne by you. Please confirm your acceptance in the offer.	Bidder's confirmation
9.3	Payment terms in case of Indian Bidder: 100% with in 30 days of receipt and acceptance of material at RFCL site.	Bidder's confirmation
9.4	No advance payment under any circumstances shall be given to supplier and bids with the condition of advance payment terms are liable to be rejected.	Bidder's confirmation
10.0	Warranty/Guarantee: Material shall be guaranteed for any manufacturing defect for a period of 12 months from the date of commissioning/installation, or 18 months from the date of supply, whichever is earlier. Vendor will submit guarantee certificate along with dispatch documents.	Bidder's confirmation
11.0	Installation/ demonstration of lab equipments / apparatus shall be provided by supplier as per requirement of RFCL.	Bidder's confirmation
12.0	The tenderer shall quote the price strictly in accordance with the terms and conditions of tender document and may also include installation/ demonstration charges, if any, of lab equipments / apparatus. Tenders with quotation of different rate for different quantities shall be rejected without any further reference.	Bidder's confirmation
13.0	Complete Catalogue/Literature as applicable, if any, should be sent along with the quotation.	Bidder's confirmation

14.0	<p><u>Evaluation Criteria:</u> Evaluation of bids shall be done item wise on landed value at RFCL site, Ramagundam basis including all taxes, Duties and all charges leviable to RFCL upto RFCL site. In case of foreign bidders & prices upto Hyderabad Airport, applicable custom duties (considering prevailing applicable concessional project rate of basic custom duty), inland insurance and freight charges upto RFCL site shall be loaded as per loading criteria. For bids in foreign currency, Exchange Rate applicable on the date of Price Bid Opening shall be considered for Evaluation purpose.</p> <p>RFCL at its sole discretion may vary quantities, if so required at the time of PO placement. Please confirm your acceptance to order placement for part quantities also.</p>	Bidder's confirmation
15.0	<p>In the event of the Order is placed on you; while supplying the material you should mark/tag each and every item with its nomenclature/part number. Please confirm the same in your offer.</p>	Bidder's confirmation
16.0	<p><u>Requirement of Phytosanitary Certificate:</u></p> <p>As per the orders of Government of India, no article packed with raw/solid wood packaging material shall be allowed to be imported in India unless the wood packing material has been properly treated and marked as per ISPM-15 or is accompanied by a Phytosanitary Certificate with the treatment endorsed.</p> <p>The treatment of raw/solid wood packing material prior to export shall include either methyl bromide (MB) @ 48 g/m³ for 16 hours at 21°C and above or any equivalent thereof or heat treatment (HT) of 56°C for 30 min. (core temperature of wood) or Kiln Drying (KD) or Chemical Pressure Impregnation (CPI) or any other treatment provided that these meet the HT specifications of the ISPM-15.</p> <p>Any article, if found packed with raw/solid wood packaging material without specified treatment and without marking as per ISPM-15 or if not accompanied by Phytosanitary certificate with treatment endorsed, as the case may be, shall be considered untreated and import of material shall not be allowed and such material shall be released by the Custom Authorities only after ensuring that wood packaging material has been properly treated at the point of entry under the supervision of Plant Quarantine Officer which shall result in extra cost and delay in clearance of material resulting in levy of penalties/wharf-age etc. All such extra cost/penalties/wharfage shall be recoverable from the supplier.</p> <p>Provided that above conditions shall not be applicable to wood packaging material wholly made of processed wood products such as plywood, particle board, oriental strand board or veneer that have been created using glue, heat and pressure or combination thereof. Also the above conditions shall not be applicable to wood packaging material such as veneer peeler cores, saw dust, wood wool and shavings and thin wood pieces (less than 6 mm thickness), unless they are found to be harbouring any regulated pests specified.</p>	Bidder's confirmation
17.1	<p>In case of Order, you will have to furnish following dispatch documents: <u>(In case of foreign bidder)</u></p> <ol style="list-style-type: none"> Signed Invoice in original Air Way Bill/ Bill of Lading in original Packing List Certificate of Origin in original [Please specify Country of Origin in your quotation] Test / Conformity , if applicable. Prior Fax/E-mail intimation to Insurance Company giving details of shipment Guarantee / Warranty Certificate and other documents, if any, as per PO terms. 	Bidder's confirmation
17.2	<p>In case of Order, you will have to furnish following dispatch documents: <u>(In case of Indian bidder)</u></p> <ol style="list-style-type: none"> Signed Invoice in original GR / LR in original Packing List Guarantee / Warranty Certificate and other documents, if any, as per PO terms. 	Bidder's confirmation
18.0	<p>In case the quantities of material received, are not found as per Invoice, the GST / Custom Duty and any other Charges, if any, paid by RFCL on the short supplied items will have to be reimbursed by you to RFCL.</p>	Bidder's confirmation

19.0	M/s RFCL does not bind itself to accept the lowest or any tender and reserves to itself the right to accept or reject all or part of an offer at its discretion without assigning any reasons thereof.	Bidder's confirmation
20.0	The Quotation should be sent in SEALED ENVELOPE in TWO PART BID superscribed with our Enquiry No: RFCL / C&P / Lab Items / Part-A / Nov 2018, Dated: 01.11.2018, Due on: 05.12.2018 so as to reach before 14.30 Hours (Local time) of due date. Further tenders shall be opened on 05.12.2018 at 14.31 PM at RFCL New Delhi office. In case, due to some unforeseen circumstances, the date of receiving/opening of the tender happens to be a holiday/closed day, the tender will be received and opened on the next working day.	Bidder's confirmation
21.0	RFCL will have the right to issue addendum to tender documents to clarify, amend, modify, supplement or delete any of the conditions, clauses or items stated. Addendum so issued will form part of original invitation to tender.	Bidder's confirmation
22.0	Please indicate separately the net weight/ gross weight/ dimensions etc. of the items being offered against this enquiry.	Bidder's confirmation
23.0	<p>TENDER FEE & EARNEST MONEY DEPOSIT (EMD) –</p> <p>Tender fees of Rs. 1180.00 (including GST) shall be submitted in advance only through DD in favour of Ramagundam Fertilizers and Chemicals Limited payable at Bank: State Bank of India, Commercial branch, 70, The Great Eastern center, Nehru Place, New Delhi – 110019. Without tender fees, bids of those bidders will not be entertained.</p> <p>Tenders must be accompanied by Earnest Money Deposit of Rs. 100000/= (Rupees One Lakh Only) or equivalent amount in USD. EMD can be submitted in the form of:</p> <p>a. By crossed Demand Draft in favour of Ramagundam Fertilizers and Chemicals Limited payable at Bank: State Bank of India, Commercial branch, 70, The Great Eastern center, Nehru Place, New Delhi – 110019.</p> <p style="text-align: center;">Or</p> <p>b. By way of Bank Guarantee from a Scheduled Indian Bank (except Gramin/ Cooperative Banks) as per our prescribed format enclosed [Annexure – IX]. The Bank Guarantee should be valid for a period of minimum 120 days plus three months' additional claim period, from bid opening date and bidder will give an undertaking for extension of the Bank Guarantee in case the same is desired by RFCL.</p> <p>Cheques will not be accepted in any case.</p> <p>Earnest money will be forfeited at the sole discretion of RFCL, in case tenderer after intimation from RFCL of the acceptance of his tender, either wholly or in part, refuses to accept the Purchase Order or changes any of the conditions of the tender or changes the rates and/or terms and conditions of the tender within validity period. If the successful tenderer does not deposit the security as stipulated in the Purchase Order, EMD will be forfeited without further reference.</p> <p>Earnest Money deposited by unsuccessful tenderers will be returned as early as possible after finalization of the tender.</p> <p>Earnest Money Deposit will not bear any interest.</p>	Bidder's confirmation
24.0	<p>SECURITY DEPOSIT-CUM-PERFORMANCE BANK GUARANTEE (SD cum PG):</p> <p>The successful tenderer, for the faithful performance of the Contract, will furnish Security Deposit-cum-Performance Guarantee within 20 days of issue of Purchase</p>	Bidder's confirmation

	<p>Order. The SD-cum-PG will be @ 10% of the value of the PO. The same shall be valid for a period covering the Delivery Period + Guarantee/Warranty Period + Three Months' Claim Period.</p> <p>SD-cum-PG can be submitted in the form of crossed Demand Draft in favour of Ramagundam Fertilizers and Chemicals Limited payable at Bank: State Bank of India, Commercial branch, 70, The Great Eastern center, Nehru Place, New Delhi – 110019.</p> <p>The tenderer will also have the option to furnish SD-cum-PG by way of Bank Guarantee from any of the Scheduled Banks excluding Rural and Co-operative Banks, in the enclosed Performa specified by RFCL [Annexure- X].</p> <p>Cheques will not be accepted in any case.</p> <p>The SD-cum-PG will be retained by RFCL during the currency of contract or Guarantee/Warranty Period or till settlement of all the accounts thereof, whichever is later. In case any dispute or difference not settled within the validity of Bank Guarantee, tenderer will arrange to get the bank guarantee extended as asked for. RFCL, at its sole discretion can call in the Bank to pay the whole or part of the amount of Bank Guarantee.</p> <p>The above SD-cum-PG will be deemed to be security for the faithful performance of the contract and for the purpose of Section 74 of the Indian Contract Act, 1872 and for the extension of that section. In the event of any breach of any terms and conditions of the contract, RFCL will have the right to draw from the Bank Guarantee / SD-cum-PG either the whole or part of value of the same and tenderer will make good the value of Bank Guarantee / SD-cum-PG to the extent of the amount so drawn within 15 days of receipt of intimation from RFCL to this effect.</p> <p>The amount so drawn will not in any way effect any remedy, to which RFCL may otherwise be entitled or any liability incurred by tenderer under the contract or any law for the time being in force relating thereto or bearing thereupon.</p> <p>In the event of the forfeiture of whole or part of the SD-cum-PG, the tenderer will deposit further sum /sums, so as to maintain the full SD-cum-PG amount as mentioned above.</p> <p>The SD-cum-PG will be refunded after complete execution of contract and successful completion of guarantee period. It will be lawful for RFCL, if any difference or dispute is likely to exist, to defer payment of the SD-cum-PG or any portion thereof which may be due for release until such difference and dispute had been finally settled or adjusted.</p> <p>The SD-cum-PG amount will not bear any interest.</p>	
25.0	<p>In case you are registered as MICRO/SMALL Enterprise (MSEs) under The Micro, Small and Medium Enterprises Development Act, 2006 (MSMED Act) promulgated by Government of India, please indicate the relevant category of registration in your offer and also enclose a copy of the valid certificate issued by the concerned authorities as specified by the Ministry of MSME. The Micro and Small Enterprises (MSEs) shall be entitled for benefits under the Public Procurement Policy for Micro and Small Enterprises subject to the terms and conditions indicated in enclosed Attachment-A.</p>	<p>Bidder's confirmation</p> <p>.....</p>
26.0	<p>The total landed rate(s) including Transportation Charges will remain firm till the complete execution of the order. No revision in rate(s) will be allowed. However, any increase/decrease in rates of statutory levies and duties shall be allowed as per prevailing rules and notifications of Government, against documentary evidence.</p>	<p>Bidder's confirmation</p> <p>.....</p>

27.0	GSTIN CODE- Please submit GSTIN Code of your factory/works/office from where material shall be supplied/dispatched in event of placement of order.	Bidder's confirmation
28.0	GST RATE / HSN CODE- The bidder shall indicate the rates of GST applicable in price bid, for the quoted items indicating clearly the HSN code of item/SAC code in case of services. Kindly mention applicable category of GST (i.e. whether IGST, CGST, SGST, UGST).	Bidder's confirmation
29.0	PAN- Please mention your PAN no. & submit the copy of the same.	Bidder's confirmation
30.0	BANK CHARGES -Bank Charges shall be to supplier's account.	Bidder's confirmation
31.0	BANK DETAILS- Please mention your complete Bank details and enclosed copy of cancelled cheque.	Bidder's confirmation
32.0	Price bid of the vendors, who are techno-commercially Eligible / acceptable, shall only be opened.	Bidder's confirmation
33.0	Bidders shall give Self certification that they have not been blacklisted by any government department/public sector undertaking/co-operative Unit. Offers of such blacklisted bidders shall not be considered.	Bidder's confirmation
34.0	It shall be certified by the tenderer that none of the RFCL/ /EIL/FCIL employee is related to owners/directors. (In case any relative is working in RFCL/NFL/EIL/FCIL, furnish details separately). It shall also be certified by the tenderer that none of RFCL/NFL/EIL/FCIL's ex-employee is employed with them. (In case any ex-employee of RFCL/NFL/EIL/FCIL is employed, furnish details separately). It shall be certified by the tenderer that none of blood relation of the owners/directors is participating in this tender in the name of other firm.	Bidder's confirmation
35.0	<u>Integrity Pact [Annexure – XI]</u> You must submit Integrity Pact duly signed and stamped along with your offer. Integrity Pact format is enclosed herewith at (Annexure – XI). Please note that in event of your failure to submit Integrity Pact, your offer will be rejected.	Bidder's confirmation
36.0	Please confirm acceptance of all the above terms and conditions of this Tender Document.	Bidder's confirmation
37.0	Offers with deviations / conditions are liable to be ignored at the sole option of RFCL. Vendor should confirm acceptance of all terms and conditions of NIT and submit signed copy of NIT towards token of acceptance of all terms and conditions.	Bidder's confirmation


 (Gaurav Goel)
 Deputy Manager (C&P)
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DETAILED TECHNICAL SPECIFICATION

Tender No.- RFCL / C&P / Lab Items / Part-A / Nov 2018, Dated: 01.11.2018

1. ATOMIC ABSORPTION SPECTROPHOTOMETER

AS PER FOLLOWING SPECIFICATION/FUNCTIONALITIES

PC BASED HIGH PERFORMANCE; OPTICAL DOUBLE BEAM ATOMIC ABSORPTION SPECTROPHOTOMETER OPERATING ON WINDOWS VISTA BASED WIZARD SOFTWARE FOR OPERATION ON 220V/50 HZ.

- TRUE DOUBLE BEAM OPTICS WITH ABERRATION CORRECTION CZEMY-TURNER MONOCHROMATOR MOUNTING
- HIGH RESOLUTION GRATING WITH 1800 LINES/MM AND 298MM FOCAL LENGTH FOR HIGH ENERGY THROUGHPUT
- NEW 3D DOUBLE BEAM OPTICS, OPTIMAL LIGHT BEAM ALIGNMENT SYSTEM AND DIGITAL LIGHT FILTER FOR HIGH SENSITIVITY.
- COMPLETE MEASURING WAVELENGTH RANGE FROM 900 NM TO 185NM WITH AUTOMATIC SETTING USING AUTOMATIC LINE SEARCH.
- 4 STEP BANDWIDTH SECTION WITH AUTOMATIC SWITCHING -0.2, 0.7, 1.3, 2.0 (LOW)
- HIGH SENSITIVITY PHOTO-MULTIPLIER TUBE (PMT) DETECTOR FOR COMPLETE WAVELENGTH RANGE
- 6 LAMP MOTORIZED TURRET WITH VERTICAL MOUNT, CONTROLLED THROUGH SOFTWARE WITH 2 LAMPS SIMULTANEOUSLY LIT, ONE FOR MEASUREMENT AND OTHER FOR WARM UP
- FLAME ABSORPTION AND EMISSION MEASUREMENT MODES AS STANDARD
- OPTIONALLY UPGRADABLE WITH GRAPHITE FURNACE ATOMIZER
- DUAL BACKGROUND CORRECTION AS STANDARD-HIGH SPEED DUAL FREQUENCY SIMULTANEOUS MEASUREMENT. D2 BACKGROUND CORRECTION AND HIGH-SPEED SELF REVERSAL BACKGROUND CORRECTION
- 10CM SOLID TITANIUM BURNER SHALL BE PROVIDED AS A STANDARD
- AUTOMATIC IGNITION AND EXTINCTION OF FLAME
- HIGH EFFICIENCY NEBULIZER WITH CHAMBER MADE OF ENGINEERING PLASTIC PLATINUM-IRIDIUM ORIFICE AND CERAMIC IMPACT BEAD RESISTANT TO STRONG ACIDS INCLUDING HF
- FULLY COMPUTERIZED GAS FLOW CONTROL SYSTEM WITH AUTOMATIC SETTING OF OPTIMUM FUEL AND OXIDANT FLOW RATES
- ALL THE SAFETY FUNCTIONS SHALL BE PROVIDED AS STANDARD INCLUDING LEAK CHECK, FLAME MONITOR, GAS PRESSURE MONITOR, INTERLOCK FOR WRONG BURNER HEAD USE, AUTO SWITCH –OVER BETWEEN AIR-C₂H₂/N₂O-C₂H₂ FLAME WITH FLOW RATE MONITORING USING OPTICAL SENSOR, DRAIN TANK LEVEL MONITOR, AUTOMATIC FLAME EXTINCTION DURING POWER SUDDEN POWER INTERRUPTION; VIBRATION SENSOR FOR AUTO FLAME EXTINCTION; INTERNAL FAN STOP SENSOR AND FLAME RETARDANT BODY.
- NEW WIZAARD SOFTWARE OPERATION ON WINDOWS VISTA OS FOR COMPLETE INSTRUMENT CONTROL, DATA ACQUISITION AND PROCESSING.
- SOFTWARE SHALL INCLUDE STRENGTHENED QA/QC FUNCTIONS; 21 CFR COMPLIANCE; HARDWARE VALIDATION FUNCTIONS AND COMPREHENSIVE DATA MANAGEMENT SYSTEM AS STANDARD



HIGH TEMPERATURE BURNER HEAD FOR N₂O-C₂H₂ FLAME NECESSARY WHEN N₂O-C₂H₂ GAS IS USED

GRAPHITE FURNACE ATOMIZER, GFA-7000

HAVING FOLLOWING SPECIFICATIONS/FUNCTIONALITIES

- HEATING TEMPERATURE RANGE SHALL BE-AMBIENT TO 3000 DEG C
- DIGITAL CURRENT CONTROL SYSTEM WITH AUTOMATIC TEMPERATURE CALIBRATION DURING DRYING STAGE
- DIGITAL TEMPERATURE CONTROL WITH OPTICAL SENSOR DURING DRYING AND ATOMIZING
- DUAL AUTOMATIC SWITCHING INERT GAS FLOW CONTROL
- SAFETY FUNCTIONS INCLUDE COOLING WATER FLOW RATE MONITOR; ARGON GAS PRESSURE MONITOR; FURNACE COOLING CHECK AND DUAL OVER CURRENT PROTECTION THROUGH OPTICAL SENSOR AND CIRCUIT BREAKER

AUTO AUTOMATIC CHANGER

AUTO SAMPLER FOR FLAME AND FURNACE

AUTO SAMPLER MOUNTING FOR FLAME & FURNACE

STAND KIT

MICRO SAMPLING KIT FOR LOW VOLUME SAMPLE AND AUTO DILUTION

HIGH DENSITY GRAPHITE TUBE

PYRO COATED GRAPHITE TUBE

PLATFORM TYPE GRAPHITE TUBE

HYDRIDE VAPOR GENERATOR

NOZZLE ASSY HVG

SINGLE HOLLOW CATHODE LAMP:

MERCURY, LEAD,

CHROMIUM, IRON, NICKEL, CALCIUM, POTASSIUM, ALUMINIUM, ZINC, COPPER, MANGANESE & BORON.

2. PORTABLE DIGITAL DEW POINT METER

CALIBRATION: -80 DEG C TO 20 DEG C

DP SENSOR: BLUE SPOT

ACCURACY +/- : 4 DEG C

DEW POINT SENSITIVITY: 0.01 DEG OR BETTER

DISPLAY: BOLD DIGITAL LIQUID CRYSTAL DISPLAY 2 CM

DIGITS INDICATING DEW POINT DEG C DP ONLY

POWER: SIX C-TYPE BATTERIES (3 YEARS LIFE)

GOOD QUALITY CARRY CASE

2 METERS OF PTFE SAMPLE PIPE

CALCULATOR FOR MOISTURE EQUIVALENT CONVERSION

SMALL SCREW DRIVER FOR AUTO-CAL ADJUSTS

ALLEN KEY FOR BATTERY COVER.

3. PORTABLE FLUE GAS ANALYZER

PORTABLE FLUE GAS ANALYZER FOR THE DETERMINATION OF O₂, CO, CO₂, NO, NO₂, SO₂ AND PRESSURE IN FLUE GAS STACK OUTLET AND PRIMARY REFORMER OUTLET STACK FLUE GAS SAMPLES. GAS MEASURED O₂, CO, CO₂, NO, NO₂, SO₂ SENSORS: O₂, CO, CO₂, NO, NO₂, AND SO₂-ELECTRO-CHEMICAL & CO₂-NDIR GAS FLOW: MIN 2.0 LT/MINUTE. TEMP. MEASURED 0 TO 1000 DEGREE C. OPERATING TEMP. 0 TO 40 DEGREE C. POWER SUPPLY: BATTERY OPERATED ALONG WITH BUILT IN CHARGER ON MAINS 230V AC 50HZ FLUE GAS PROBE MIN. 20CM WITH MIN 2 METER LONG SAMPLING HOSE PREPROGRAMMING FOR NG, LIGHT OIL,

HEAVY OIL LPG, COKE, COAL ETC. EASY TO HANDLE KEYBOARD OPERATED AND
USER FRIENDLY DATA TRANSFERABLE TO USE SOFTWARE.

PRINTER: BUILT IN

OUTPUT: RS-232

TECHNICAL SPECIFICATION

PARAMETER	RANGE	RESOLUTION
O ₂	0.21%	0.1%
CO	0-1000PPM OR BETTER	1PPM
CO ₂	0-20% OR BETTER	0.1%
NO	0-2000 PPM OR BETTER	1PPM
NO ₂	0-500 PPM OR BETTER	1PPM
SO ₂	0-4000PPM OR BETTER	1PPM
PRESSURE	0-150mbar	0.01mbar

CONSUMABLES FOR TWO YEAR OPERATION:

- A) Dust FILTER ELEMENTS (PACK OF 20 ELEMENTS)
- B) MOISTURE FILTER ELEMENTS (PACK OF 10 ELEMENTS)
- C) PRINTING PAPER ROLL (PACK OF 10 ROLL)
- D) PRINTING CATRIDGE (PACK OF 2 CARTRIDGE)

4. GAS CHROMATOGRAPH (05 NOS):

- 4.1 FOR ANALYSIS OF NATURAL GAS = QUANTITY – 1 NO.
- 4.2 FOR PROCESS GAS ANALYSIS = QUANTITY – 1 NO.
- 4.3 FOR TRACES OF CO & CO₂ = QUANTITY – 1 NO.
- 4.4 FOR SULFUR COMPOUNDS = QUANTITY – 1 NO.
- 4.5 FOR DME, METHYLFORMATE, ACETONE, METHYLETHYL
KETONE, HIGH ALCOHOLS = QUANTITY – 1 NO.

MICROPROCESSOR BASED MODULAR GC SYSTEM WITH DUAL PACKED COLUMN
INJECTION PORT WITH DUAL FLOW LINE ADVANCE FLOW CONTROLLER (AFC)
AND HIGH SENSITIVITY DUAL FID DEFECTOR AND TCD SYSTEM FOR OPERATION
ON 220V/50HZ

FEATURES/SPECIFICATIONS;

- LARGE COLUMN OVEN WITH 15.8LTR CAPACITY AND TEMPERATURE RANGE UP TO 400 DEG C
- 20 STEP COLUMN OVEN TEMPERATURE PROGRAMMING WITH RATE SETTING OF -250 DEG C TO +250 DEG C
- FAST COLUMN OVEN COOLING WITH MICROPROCESSOR REAR VENT CONTROL
- DUAL PACKED COLUMN INJECTION PORT WITH DUAL FLOW LINE ADVANCED FLOW CONTROLLER (AFC) FOR DIGITAL SETTING AND CONTROL OF CARRIER GAS FLOW UP TO 100,/MIN
- CAPABILITY OF INSTALLING 2 PACKED COLUMNS EITHER SS OR GLASS 1/8" OD
- 7-STEP FLOW PROGRAMMING CAPABILITY WITH PROGRAMMING RATE OF UP TO +440 ML/MIN
- CORRECTION FUNCTION OF MAINTAIN CONSTANT COLUMN FLOW RATE DURING TEMP PROGRAMMED ANALYSIS
- HIGH SENSITIVITY DIFFERENTIAL DUAL FID DETECTOR SYSTEM WITH TEMPERATURE RANGE UP TO 400 DEG C
- MINIMUM DETECTION LIMIT FOR FID OF 3 PGC/S FOR DODECANE WITH DYNAMIC RANGE OF 10⁷
- MINIMUM DETECTION LIMIT FOR TCD OF 40,000 MV,ML/MG WITH BUILT IN PRE-AMPLIFIER WITH 10% AMPLIFICATION

- INERT QUARTZ NOZZLE FOR FID REDUCES DETECTOR CONTAMINATION
- AUTOMATIC IGNITION AND RE-IGNITION OF FID FLAME THROUGH KEYBOARD OR GC SOLUTIONS SOFTWARE
- LARGE INTERACTIVE GRAPHICAL USER INTERFACE (GUI) LCD DISPLAY FOR EASY SETTING OF GC PARAMETER AND MONITORING FUNCTIONS INCLUDING CHROMATOGRAPHS
- INTELLIGENT SELF-DIAGNOSTICS FUNCTIONS VALIDATE THE INSTRUMENT BEFORE EVERY SAMPLE INJECTION
- CAPACITY OF INSTALLING SIMULTANEOUSLY 3 INJECTIONS PORTS AND 4 DETECTOR ON SINGLE GC-2014 SYSTEMS

FLAME IONIZATION DETECTOR

TYPE : DUAL FLOW RATE DIFFERENTIAL SYSTEM
 TEMPERATURE RANGE: 400 DEG C STEP OF 1 DEG C
 DETECTION LIMIT: 3 PG C/SEC FOR DOCECANO
 DYNAMIC RANGE: 10^7

THERMAL CONDUCTIVITY DETECTOR

SYSTEM: DUAL FLOW RATE DIFFERENTIAL SYSTEM
 TEMPERATURE RANGE: 400 DEG C STEP OF 1 DEG C
 DYNAMIC RANGE: 10^5

SENSITIVITY: 40,000 MV,ML/MG WITH BUILT IN PRE-AMPLIFIER WITH 10% AMPLIFICATION

DISPLAY:

BACKLIT LCD G-WINDOW, 240X320 DOT GRAPHICS DISPLAY (30 DIGITS X 10 LINES) WITH USERS FRIENDLY SETTING AND MONITORING OF ALL COMPLICATED TEMPERATURE AND FLOW PARAMETERS TEMP/FLOW PROGRAMME RATES, CHROMATOGRAM DISPLAY AND INTELLIGENT SELF-DIAGNOSIS FUNCTION

SPLIT SPLITLESS INJECTION PORT

- SPLIT SPLIT LESS INJECTION PORT WITH BUILT-IN ADVANCED FLOW CONTROLLER (AFC) FOR DIGITAL SETTING AND CONTROL OF CARRIER GAS PRESSURE UP TO 970 KPA AND TOTAL CARRIER FLOW UP TO 1200 ML/MIN
- BUILT-IN 7 STEP PRESSURE / FLOW PROGRAMMING
- DIGITAL SPLIT RATIO SETTING UP TO 1:9999.9
- CORRECTION FUNCTION TO MAINTAIN CARRIER GAS AVERAGE LINER VELOCITY DURING TEMPERATURE
- PROGRAMMED ANALYSIS FOR CAPILLARY COLUMNS
- COMPATIBILITY TO COMPLETE RANGE OF CAPILLARY COLUMNS FORM 0.2 MM ID TO 0.53 MM

AUXILIARY FLOW CONTROLLER

MANUAL GAS SAMPLING VALVE ALONG WITH ATTACHMENT

AUTO INJECTION FOR LIQUID AC-20I FOR GC-2014

LONG TURRET ASSY-WITH 12 VIAL

2 ML SAMPLE VIALS 100 POS/PKT

PC BASED GC WORKSTATION, GC SOLUTIONS

(WINDOWS COMPATIBLE WORKSTATION SOFTWARE INCLUDES COMPLETE GC CONTROL DUAL CHANNEL REAL TIME CHROMATOGRAPHIC DATA ACQUISITION AND POST -RUN ANALYSIS. SOFTWARE FEATURES: HIGH SPEED DATA ACQUISITION AND BULK ANALYSIS COMPATIBILITY, FULL QUALITATIVE AND QUANTITATIVE PROCESSING FUNCTIONS, MULTI-FUNCTIONAL COMPATIBILITY, GLP/GMP FUNCTIONS AUDIT TRAIL, VALIDATION ASSISTANT, SYSTEM SUITABILITY, QA/QC FUNCTIONS ALL IN-ONE FILE CONFIGURATION FOR EASY DATA TRANSFER, CUSTOMIZED REPORT GENERATOR, NETWORKING CAPABILITY DATA MANAGEMENT ETC.

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5. **KARL FISHER MOISTURE ANALYZER (COULOMETRIC TITRATION)**

METHOD	COULOMETRIC KARL FISCHER TITRATION
END POINT DETECTION	CONSTANT CURRENT POLARIZATION DETECTION
ELECTROLYSIS CONTROL	PULSE ELECTROLYSIS CURRENT CONTROL
ELECTROLYSIS CURRENT	MAX. 400MA
TITRATION RATE	MAX.2.1 MGH ₂ O/MIN
BACKGROUND	AUTOMATIC CORRECTION(UG/SEC)
MEASURING RANGE	10 UG- 100MGH ₂ O
REPEATABILITY	WITHIN +-5UG FOR 10UG –MGH ₂ O
STANDARD DEVIATION	WITHIN 0.5%OF RSD VALUE FOR 1MG H ₂) OR MORE
SENSITIVITY	0.1UGH ₂ O
DISPLAY	2-LINE, 20-DIGITLIQID CRYSTAL DISPLAY MOISTURE AMOUNT, CONCENTRATION, TITRATION SPEED, BACKGROUND MESSAGE, MEASUREMENT TIME, AND MEASUREMENT CONCENTRATION
OPTIONAL FUNCTION	CONNECTIONS FOR PRINTER, COMPUTER, OR BALANCE
END SIGNAL	MESSAGE DISPLAY AND ELECTRIC BUZZER
DELAYED TITRATION	SET IN MINUTES
CALCULATION FUNCTION	CALCULATION OF CONCENTRATION IN M/W (W IS INPUTTED IN GRAMS"G".) %.PPM) THE UNIT DISPLAY OF MOISTURE CONCENTRATION CHANGES TO % AUTOMATICALLY WHEN MOISTURE EXCEEDS 1000PPM
TEMPERATURE	5C-40C
HUMIDITY	UNDER 80% ,NO MOISTURE CONDENSATION
POWER SUPPLY	AC 100/115/230/240V, 50/50HZ, 30VA
DIMENSIONS	MAIN UNIT (EXCLUDING CELL & BATTERY UNIT): APPROX.280(W)X180(D)X200(H)MM
WEIGHT	MAIN UNIT: APPROX. 4.5 KG MAIN UNIT BATTERY UNIT APPROX.6.3KG

6. **PORTABLE DISSOLVED OXYGEN ANALYZER FOR BFW**

SPECIFICATIONS:

BATTERY CHARGER	INBUILT CHARGEABLE BATTERY WITH EXTERNAL CHARGER
APPLICATION	OPERATORS ON 230 VOLT AC 50 HZ
GASES	PURE CO ₂ ,O ₂ ,N ₂ ,&ABIENIT AIR
RANGE OXYGEN	0-21% IN AIR AND PUMPING SAMPLE
O ₂ MEASURING RANGE	5-10PPM IN 99%N ₂

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02 0.2% TO 2.0%	IN 99%CO ₂
SENSOR	SEALED GALVANIC ELECTROCHEMICAL SENSOR SPECIFIC TO PPM MEASUREMENT
SENSOR LIFE	EXPECTED LIFE 1 YEAR AND DURABLE
CALIBRATION	WITH CALIBRATION GAS MIXTURE HAVING 99.9%N ₂ AND BALANCE AIR.
ACCURACY	+ - 1%FULLL SCALE
SIGNAL DRIFT	<1%OF READING
ACCESSORIES:	
REPLACEMENT KIT	01 SET
DOCUMENTS	OPERATIONAL MANUAL, WARRANTY, TEST REPORT
ROTA METER	1 NO

**7. PORTABLE MICROPROCESSOR BASED NON DISPERSIVE INFRA RED (NDIR)
SPECTROPHOTOMETER**

SUITABLE FOR PROCESS GAS AND EXHAUST GAS ANALYSIS HAVING THE
FOLLOWING:

MAIN SPECIFICATIONS: -

01. WORKABILITY/SUITABILITY OF THE INSTRUMENT: MAINLY FOR THE ESTIMATION OF CO, CO₂ AND OTHER COMPONENTS DOWN TO PPB/PPM LEVEL IN THE PROCESS GAS HAVING THE COMPOSITION H₂=60-65%
N₂=30-35% CH₄=0.5-2.5% AR=0.2-0.8%
MODEL CODE NO ZREABJY1-BFCGY-YYYY2DE-YCYAA
02. INTERFERENCE SHOULD BE FREE FORM THE INTERAFRNCE OF HYDROGEN AND OTHER GASES OF A TYPICAL NATURAL GAS BASED FERTILIZERS MANUFACTURING FACILITY.
03. DISPLAY ALPHA NUMERIC LCD DISPLAY WITH PROVISION OF RS 232 SERIAL PORT OR EQUIVALENT.
04. APPLICATION SINGLE OR MULTIPLE (SIX+ OXYGEN) COMPONENT SELECTIVE GAS ANALYSIS BUT AT A TIME ONLY 4 COMPONENTS + O₂ CAN BE MEASURED.
05. POWER SUPPLY: 220-240 V/220 V AC WITH PROVISION FOR RECHARGEABLE BATTERY SEPARATE UPS WITH RECHARGEABLE BATTERY WILL BE PROVIDED
06. RESPONSE TIME: UP TO 2 SECONDS
07. ACCURACY: +/- 1% of RANGE
08. SAMPLING METHOD: DIRECT FROM THE PROCESS LINE OR THROUGH SAMPLING GUN OR SAMPLING BALLONS.
09. MOUNTING: RACK MOUNTED IN A SUITABLE ENCLOSURE
10. OPERATING TEMP.0-50 OC
11. AMBIENT TEMP: 0-50 O C
12. HUMIDITY; 0-95% RH

Ans

13. CALIBRATION: AUTOMATIC IN BUILD WITH PROVISION OF MANUAL CALIBRATION WITH STANDARD CALIBRATION GAS.

8. **TENSILE TESTING MACHINE-DIGITAL FOR STRENGTH TESTING OF HDPE BAGS**

DIGITAL TENSILE TESTING MACHINE CAPACITY 0-250 KGF OF WITH COMPLETE 0.5 HP MOTOR, GEAR AND ALL ELECTRICAL PARTS SUPPLY 440V AC **01 NO**

VICE TYPE GRIP SET **01 NO**

9. **AUTOMATIC POTENTIOMETRIC TITRATOR**

AUTOMATIC POTENTIOMETRIC TITRATOR FOR ACID/BASE AQUEOUS AND NON-AQUEOUS TITRATION, REDOX COMPLEXOMETRIC AND ARGENTOMETRIC TITRATION A LARGE LIVE COLOUR DISPLAY WITH TITRATION CURVE PLUG & PLAY, FUNCTIONALLY FOR EXCHANGE UNIT, STIRRER AND USB/PARALLEL PRINTER. A HIGH PRECISION MEASURING INPUT, MOUSE CLICK/INSTRUMENT FLASH PROOF KEYBOARD AND COMPACT TITRATION FOR POTENTIOMETRIC END POINT TITRATION (SET) WITH AUTOMATIC CONDITIONING AND MONOTONIC TITRATION WITH AUTOMATIC EQUIVALENCE POINT DETERMINATION (MET) AND MANUAL CONTROL OF MEASUREMENT, STIRRING AND DOZING SPECIFICATION

01. USB PORT FOR PERIPHERAL CONNECTIONS LIKE BALANCE PRINTER AND MOUSE
02. (INTELLIGENT EXCHANGE UNIT: INTELLIGENT CHIP OR ENTIRE INFORMATION RELATED TO SAMPLE BURETTE VOLUME TITRANT AND VALIDITY OF TITRE ETC. CAN BE STORED IN THE RESPECTIVE METHOD WITH ALL DATA PROVIDES AUTOMATICALLY i.e. BURETTE VOLUME, TITRANT AND VALIDITY OF TITRE etc.
03. BURETTE RESOLUTION: AT LEAST 10,000 STEPS PER CYLINDER
04. CYLINDER VOLUME: 25ML AND 5 & 10ML ARE OPTIONAL
05. PH CALIBRATION: AUTOMATIC BUFFER CALIBRATION AND RECOGNITION UPTO 5 BUFFER
06. AUXILIARY BURETTE: POSSIBLE PROVISION TO CONNECT ADDITIONAL DOZING DEVICE FOR REAGENTS, BUFFERS AND FOR BACK TITRATION
07. AUTOMATION: SYSTEM SHOULD HAVE THE REMOTE PORT TO CONNECT THE SAMPLE CHANGER
08. DATA TRANSFER: REPORT BY PC/LIMS
09. RESULT STORAGE: 1000 RESULTS OR UP TO n NUMBER.
10. CALCULATION: FREELY PROGRAMMABLE CALCULATION 11, MV RANGE & RESOLUTION $\pm 3200\text{MV}$, $\pm 3 \text{ } 0.1\text{MV}$

10. **ION SELECTIVE METER**

- QUICK, EASY ELECTRODE DIAGNOSIS WITH MULTIPLE pH SLOPES AND OFFSET DISPLAY
- CAL DUE ALARM-MORE OUTDATED CALIBRATIONS
- AUTO-LOGGING FUNCTION FOR CONVENIENT CONTINUOUS MONITORING
- PASSWORD PROTECTION FOR SET UP AND CALIBRATION
- ION RANGE: 0.001 TO 19999 ppm (+/-2000mV)
- NO OF ION CALIBRATION POINTS: 2-8 POINTS
- BUILT-IN ELECTRODE ARM & TEMP PROBE TO BE INCLUDED
- POWER REQUIREMENTS: 100/240VAC SMPS POWER ADAPTER, 9V, 6W



- ION ELECTRODE SENSORS AND SOLUTIONS FOR AMMONIA, CHLORIDE, CO₂, FLUORIDE AND SILVER/SULFIDE
11. **PLATINUM DISH**
CAPACITY: APPROXIMATELY 90 ML
REQUIRED: 04 SETS
 12. **OIL TESTING CENTRIFUGE WITH MICROPROCESSOR CONTROL:**

6 TUBES CAPACITY AND BRUSH LESS DRIVE. THE CENTRIFUGE IS PROVIDED WITH USER FRIENDLY 99 PROGRAM MEMORY FOR SETTING PARAMETERS LIKE SPEED UP TO 3000 RPM WITH 10 RPM INCREMENT. 1-120 MINUTES TIMER WITH INFINITE MODE, ACCELERATION TIME IN THE RANGE OF 40 TO 240 SECONDS, ROTOR SELECTION. THE DISPLAY FEATURES INCLUDE WORKING ROTOR HEAD SPEED BY DEFAULT AND RCF VALUE BY SELECTION, COUNT DOWN TIMER. MECHANICAL & ELECTRONIC LID LOCK WITH STATUS INDICATOR, ROTOR VIBRATION INDICATOR AND SAFETY CUT OFF. THE CENTRIFUGE IS SUITABLE FOR ASTM TESTS. CARTRIDGE IS TO BE SHIPPED WITH ALL MANDATORY SPARES.
 13. **HIGH VOLUME SAMPLER**

FINE PARTICULATE (PM 2.5) MONITOR/SAMPLER BASED ON DESIGN STANDARDISED BY US-EPA.
RESPIRABLE DUST SAMPLER SIZE LESS THAN 10 MONITOR (PM10) ALONGWITH GASEOUS SAMPLING
BRUSHLESS BLOWER AND OPTIONAL SPARES TIME TOTALIZER & TIMER
 14. **HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**

LATEST CONFIGURATION BRANDED PC FOR HPLC
SAMPLE AND SOLVENT FILTRATION ASSEMBLY WITH VACUUM PUMP FOR HPLC
SONICATOR 3 LTR CAPACITY FOR HPLC
MANUAL INJECTOR/EJECTOR FOR HPLC
25 MICROLTR SAMPLE LOOP FOR HPLC
INJECTOR ADAPTOR FOR HPLC
AZADIRACHTIN STD 150 PPM, 500 PPM -1 LOT
ACETONITRILE, METHANOL & DEIONED WATER OF HPLC GRADE – 1 LOT
 15. **DIGITAL DENSITY METER**

MEASURING RANGE: 0 TO 3 G/ML.
TEMPERATURE RANGE: 0 TO 90 DEG C.
HIGH ACCURACY AND CONVENIENT DATA HANDLING ALONG WITH SPECIAL FEATURES FOR CHEMICAL ANALYSIS.
DRYING CARTRIDGE IF APPLICABLE.
 16. **GAS DETECTION APPARATUS**

DETECTOR TUBE METHOD
DETECTOR TUBE: 10 PACKETS (10 PIECES/PACKET) EACH FOR NH₃, CO₂, H₂S, CO, CL₂ AND O₂
SUCTION PUMP
 17. **DIGITAL MICROSCOPE WITH CRT**
PURPOSE: FOR MICROBIOLOGICAL USE

Am

18. BOD Determination apparatus (DO meter and Incubator) with 20 pcs of Incubation bottles 250 to 300 ml

Technical Matrix for Lab

Temperature sensitivity ± 0.5 Deg.C

Spatial Deviation ± 0.5 Deg. C

Readability 0.51 Deg. C

Temperature Range 5 DEG C To 60 DEG C (STANDARD)

Temperature Sensor PT -100

Temperature Controller Digital Controller

Display LED

Nominal Power 1050 Watt

Nominal voltage 220-230

Volts 50 HZ Single

Capacity

Size Inside Chamber 650x580x900mm

Capacity 336 Litres (Indicative)

Volume 12.0 CUFT

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ELIGIBILITY CRITERIA FOR SUPPLY OF Lab Equipments

Tender No.- RFCL / C&P / Lab Items / Part-A / Nov 2018, Dated: 01.11.2018

Sr. No.	Conditions	Documents required
1	The bidder should be in the field of manufacturing of quoted Lab equipments / Machines or their authorized dealer / distributor / channel partner / subsidiary / representative.	Bidder must submit the copy of valid documentary evidence for being a manufacturer (i.e. Valid industrial license/ ISO certificate/ GST Registration certificate / Udyog Adhaar / certificate issued by statutory authority / NSIC certificate or equivalent certificate.) or authorization certificate in case of authorized dealer / distributor / channel partner / subsidiary / representative.
2	The bidder should have after sales and service facilities for the quoted items, in India.	Self-certification on bidder's letter head for the same.
3	I. Bidder Must not be black listed by any government department/public sector undertaking/co-operative Unit. II. Bidder Must not be delisted by any government department/public sector undertaking/co-operative Unit in the last two years of participating in the tender.	Self-certification on bidder's letter head for the same.
4	Bidder must have executed atleast Two PO for the 'similar item'* being quoted by the bidder, during last Seven years as on previous to the month in which NIT is published. *Similar item: The functioning / nature of the item should be the same.	Bidder shall furnish copies of at least two POs executed for the items quoted along with Name, Address & Contact number of the issuing authority, during last 7 years previous to the month in which NIT is published.
5.1	The average financial turnover during the last 3 years, ending on 31.03.18 should be at least Rs. 100.00 Lakhs or equivalent in foreign currency i.e. for the year 2015-16, 2016-17 & 2017-18.	Bidder shall submit financial standing through Audited* Balance Sheet/ Profit & Loss Account or Certificate from chartered accountant, for the last three years. (For 2015-16, 2016-17 & 2017-18)
5.2	The bidder should have positive net worth as on 31.03.2018.	Copies of Audited* balance sheets of FY: 2017-18
5.3		* where audited accounts are not mandatory as per law, bidder can submit financial standing duly certified by practicing Chartered Accountants (not being an employee or a director or not having any interest in the bidder's company) for point 5.1 & 5.2 above.
6	Bidder must submit following along with above eligibility documents: a) Authenticated copy of party's status i.e. self-certification on letter head pad in case of proprietorship firm or copy of partnership deed for a partnership firm or copy of registrar's certificate for Pvt./Ltd. Co. b) Self-Certified copy of PAN No. issued by Income Tax Department. c) Self-Certified copy of GST registration issued by related Department.	



PRICE BID FORMAT (FOR FOREIGN BIDDERS)

Tender No.- RFCL / C&P / Lab Items / Part-A / Nov 2018, Dated: 01.11.2018

With reference to above mentioned tender, we hereby submit our Price-Bid as under-

S. No.	Item Description	UOM	Qty	Currency	Rate, In Foreign currency-Per unit	Freight charges, In Foreign currency-Per unit	Any other charges (if any) (In Foreign currency)	Total CPT Hyderabad Airport (In Foreign currency)
1	ATOMIC ABSORPTION SPECTROPHOTOMETER	No.	1					
2	PORTABLE DIGITAL DEW POINT METER	No.	2					
3	PORTABLE FLUE GAS ANALYZER	No.	2					
4	GAS CHROMATOGRAPH (05 NOS) AS MENTIONED BELOW (4.1 TO 4.5)							
4.1	FOR ANALYSIS OF NATURAL GAS	No.	1					
4.2	FOR PROCESS GAS ANALYSIS	No.	1					
4.3	FOR TRACES OF CO & CO2	No.	1					
4.4	FOR SULFUR COMPOUNDS	No.	1					
4.5	FOR DME, METHYLFORMATE, ACETONE, METHYLETHYL KETONE, HIGH ALCOHOLS	No.	1					
5	KARL FISHER MOISTURE ANALYZER (COULOMETRIC TITRATION)	No.	1					
6	PORTABLE DISSOLVED OXYGEN ANALYZER FOR BFW	No.	1					
7	PORTABLE MICROPROCESSOR BASED NON DISPERSIVE INFRARED (NDIR) SPECTROPHOTOMETER	No.	2					
8	TENSILE TESTING MACHINE-DIGITAL FOR STRENGTH TESTING OF HDPE BAGS	No.	3					
9	AUTOMATIC POTENTIOMETRIC TITRATOR	No.	1					
10	ION SELECTIVE METER	No.	1					
11	PLATINUM DISH	No.	4					
12	OIL TESTING CENTRIFUGE WITH MICROPROCESSOR CONTROL:	No.	2					
13	HIGH VOLUME SAMPLER	No.	4					
14	HIGH PERFORMANCE LIQUID CHROMATOGRAPHY FOR NEEM OIL QUALITY	No.	1					
15	DIGITAL DENSITY METER	No.	1					
16	GAS DETECTION APPARATUS	No.	1					
17	DIGITAL MICROSCOPE WITH CRT	No.	1					
18	BOD DETERMINATION APPARATUS	No.	1					



	(DO METER AND INCUBATOR) WITH 20 PCS OF INCUBATION BOTTLES 250 TO 300 ML							
		Total Agency commission, if any /extra (inclusive of GST)						
		Total value						

Note:

- Please mention name of currency in which the above prices has been quoted.
- Exchange Rate applicable on the date of Price Bid Opening shall be considered for Evaluation purpose.
- Any charges, unless mentioned in above price bid, shall not be paid extra. Please note that you have to quote per unit charges in above column.
- Please check the prices twice before final bid submission. No request for correction shall be considered after opening of tender.
- Installation/ demonstration for lab equipments / apparatus shall be provided by supplier free of cost to RFCL.

Dated : _____

Place : _____

Signature of Tenderer or
their Authorized : _____
Representative
Name & Address of
Tenderer : _____
Phone No. : _____
Email Address : _____

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PRICE BID FORMAT (FOR INDIAN BIDDER)

Tender No.- RFCL / C&P / Lab Items / Part-A / Nov 2018, Dated: 01.11.2018

With reference to above mentioned tender, we hereby submit our Price-Bid as under-

S. No.	Item Description	UOM	Qty	HSN Code	Basic Price -Per unit (In Rs)	GST rate (in %)	Freight charges, inclusive of GST (PER UNIT upto RFCL Ramagundam) per Unit (in Rs)	Any other charges including taxes, if extra, per Unit (In Rs)	Total Landed /FOT/FOR price upto RFCL Ramagundam (In Rs.) per Unit
1	ATOMIC ABSORPTION SPECTROPHOTOMETER	No.	1						
2	PORTABLE DIGITAL DEW POINT METER	No.	2						
3	PORTABLE FLUE GAS ANALYZER	No.	2						
4	GAS CHROMATOGRAPH (05 NOS)								
4.1	FOR ANALYSIS OF NATURAL GAS	No.	1						
4.2	FOR PROCESS GAS ANALYSIS	No.	1						
4.3	FOR TRACES OF CO & CO2	No.	1						
4.4	FOR SULFUR COMPOUNDS	No.	1						
4.5	FOR DME, METHYLFORMATE, ACETONE, METHYLETHYL KETONE, HIGH ALCOHOLS	No.	1						
5	KARL FISHER MOISTURE ANALYZER (COULOMETRIC TITRATION)	No.	1						
6	PORTABLE DISSOLVED OXYGEN ANALYZER FOR BFW	No.	1						
7	PORTABLE MICROPROCESSOR BASED NON DISPERSIVE INFRARED (NDIR) SPECTROPHOTOMETER	No.	2						
8	TENSILE TESTING MACHINE-DIGITAL FOR STRENGTH TESTING OF HDPE BAGS	No.	3						
9	AUTOMATIC POTENTIOMETRIC TITRATOR	No.	1						
10	ION SELECTIVE METER	No.	1						
11	PLATINUM DISH	No.	4						
12	OIL TESTING CENTRIFUGE WITH MICROPROCESSOR CONTROL	No.	2						
13	HIGH VOLUME SAMPLER	No.	4						
14	HIGH PERFORMANCE LIQUID CHROMATOGRAPHY FOR NEEM OIL QUALITY	No.	1						
15	DIGITAL DENSITY METER	No.	1						

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16	GAS DETECTION APPARATUS	No.	1						
17	DIGITAL MICROSCOPE WITH CRT	No.	1						
18	BOD DETERMINATION APPARATUS (DO METER AND INCUBATOR) WITH 20 PCS OF INCUBATION BOTTLES 250 TO 300 ML	No.	1						

Note:

- Any charges, unless mentioned in above price bid, shall not be paid extra. Please note that you have to quote per unit charges in above column.
- Please check the prices twice before final bid submission. No request for correction shall be considered after opening of tender.
- Installation/ demonstration for lab equipments / apparatus shall be provided by supplier free of cost to RFCL.

Dated : _____

Place : _____

Signature of Tenderer or
their Authorized : _____
Representative
Name & Address of : _____
Tenderer
Phone No. : _____
Email Address : _____

As

Tender No.- RFCL / C&P / Lab Items / Part-A / Nov 2018, Dated: 01.11.2018

SHIPPING INSTRUCTIONS (FOR FOREIGN BIDDERS)

01. NODAL OFFICERS FOR SHIPPING

Ramagundam Fertilizers and Chemicals Limited (RFCL)

Dy. General Manager (Contracts and Procurement) Ramagundam Fertilizers and Chemical Limited Mohta Building, 4 th Floor 4 Bhikaji Cama Place New Delhi 110066 Telephone: 011 26701409. E MAIL: yogeshkumar@rfcl.co.in , gauravgoel@rfcl.co.in	General Manager (Site In-charge) Ramagundam Fertilizers and Chemicals Limited Technical Building (FCI), Fertilizer City Mandal – Ramagundam District – Peddapalli Telengana – 505210 Telephone: 08728257488/477 Email : thapar@rfcl.co.in , ykbangar@rfcl.co.in , gcshendre@rfcl.co.in , rfcl.ramagundam@rfcl.co.in
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02. DOCUMENTS REQUIRED BEFORE SHIPPING

The required Cargo Details (Preliminary) shall be provided by the supplier within the Period defined in the Purchase Order.

Final Packing list with weight/dimension of individual package shall be provided to Nodal Officers (Sr. No. 1 above) at least four weeks before the Contractual/ actual date delivery at port of loading

03. Information to be provided to Insurance Agency:

Dispatch particulars to be informed to underwriter by e. mail / fax, immediately on dispatch indicating the particulars in following manner, for covering the transit risks against the policy.

SL.	MARINE INSURANCE	
1	POLICY NO.	251100/44/16/5050000002
2	PURCHASE ORDER NO.	
3	ITEM & VALUE	
4	DATE OF LR/TRANSPORTER'S NAME	
5	DISPATCH POINT	
6	DESTINATION	
7	GC NOTE (LR) & DATE	
8	INVOICE NO & DATE	
9	INVOICE VALUE	
10	NO. OF PACKAGES	
11	GROSS WEIGHT OF MATERIAL	
12	NET WEIGHT OF MATERIAL	



Insurance Company

National Insurance Company Limited

Mumbai Corporate Regional Office

National Insurance Building

14, J.I. Road Charchgate

Mumbai-400020

Email ID- nishith.patnaik@nic.co.in, Sajjansingh.gahlawat@nic.co.in

CC to : ajay.sadana@nic.co.in ,

Immediately upon shipment, seller shall notify the above insurance company as well as the above notify party, the following details:

PO No., weight of consignment, no. of items, port of loading/ discharge, name of vessel, bill of lading / Airway bill no. & date, value & Insurance Policy No.

04. DOCUMENTS REQUIRED AFTER SHIPMENT

The supplier shall forward copies of the following original shipping documents (duly signed and stamped) by E-mail / Fax within Seventy two (72) hours from the date of clean Bill of Lading / Airway bill:

- I. Commercial Invoice in original
- II. Bill of Lading/Airway Bill in original
- III. Packing List
- IV. Certificate of Origin (issued by Chamber of Commerce of the Country of origin)

To the Nodal Officers mentioned at Sr. No.1 above.

In addition to above, complete set of original documents are required to be sent to RFCL/Paying Authority through Bank in terms of 'Letter of Credit'.

The Supplier shall be fully responsible for any delay and/or demurrage /detention that may become payable at destination Port on account of delay / non transmittal of shipping documents as detailed in Purchase Order or on account of mismatch in shipping documents etc. The amount so incurred on account of delay/ non submission /mismatch of shipping documents will be recovered from the Supplier.

5. SHIPPING ADVICE

Within twenty-four (24) hours of shipment, the supplier shall send shipping advice by email / fax to Nodal Officers mentioned at Sr. No.1 above.

Giving Particulars of the shipment, vessel's name and Date on which material actually left (and not tentative date) , Port of shipment , Bill of Lading / Airway bill Number and Date , contents in brief, Purchase Order Number, Total Invoice and Freight Value, Number of Package and Total gross weight, ETD and ETA of vessel.

The above specification will form an Integral part of the Purchase Order. These shall be strictly adhered to and any expense / loss arising out of non-Compliance and / or non-submission of documents properly or mismatch in the shipping documents (unless authorized differently) shall be to Supplier's account.

Thanking you



For RAMAGUNDAM FERTILIZERS AND CHEMICALS LIMITED

With reference to the Order of the Ministry of MSME, under the Public Procurement Policy, March 2012, Micro and Small Enterprises shall be entitled for benefits, subject to terms and conditions, as under:

a) Qualifying Criteria for MSEs, SC/ST Vendors:

- i. MSE bidders must submit Registration Certificates from any of the following (or any other body specified by the Ministry of MSME):
 - National Small Industries Corporation (NSIC)
 - District Industries Centres (DIC)
 - Coir Board
 - Khadi and Village Industries Commission (KVIC)
 - Khadi and Village Industries Board (KVIB)
 - Directorate of Handicrafts and Handloom
- ii. SC/ST owned Enterprises (i.e. SC/ST Proprietorship or holding minimum 51% shares in case of Partnership/Private Limited Companies) shall additionally submit relevant SC/ST certificates issued by any of the following:
 - District/Additional District Magistrate / Collector / Deputy Commissioner/ Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / Sub-Divisional Magistrate/ Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner
 - Chief Presidency Magistrate /Additional Chief Presidency Magistrate / Presidency Magistrate
 - Revenue Officer not below the rank of Tehsildar
 - Sub-Divisional Officer of the area where the individual and/or his family normally resides.
- iii. The registration shall be valid as on date of placement of order. A self-attested photocopy of the relevant certificate shall be submitted as a support document.
- iv. The registration must be for the items/category of items / services relevant to the tendered items /category of items / services.

(b) Purchase Preference for MSE :

In tenders, where the L1 (evaluated price) bidder is a non-MSE, up to 20% of the tendered quantity shall be allowed to be supplied by participating MSEs provided that the tendered quantity is divisible into two or more orders and adequate for the purpose; all qualifying bidders have agreed for acceptance of part-order quantity and participating MSE matches the L1 rate.

A share of 4% out of this 20% shall be allowed to be supplied by participating MSEs owned by Scheduled Caste/Scheduled Tribe Entrepreneurs. In the case of an SC/ST owned MSE failing to participate in the tender or not meeting the tender requirements, this 4% sub-target shall be met by other participating MSEs. The above shall be subject to that the participating MSE (including SC/ST) bidders shall have quoted a price within +15% of the L1 bid price and further that they shall agree to match their quoted price with the L1 price. In case that two or more MSEs are within the L1 +15% band, all such MSEs will be offered the opportunity to match the L1 rate and 20% of the order will be shared equally by them. Where the MSE is SC/ST owned, they shall be exclusively awarded a share of 4% of the above 20% in addition to equally sharing the balance 16% with other non-SC/ST MSEs.

In case of more than one SC/ST MSE matching the L1 price, they shall equally share 4% of the order and additionally share the balance 16% with other non-SC/ST MSE bidders.

(c) Exemption from Earnest Money Deposit (EMD)/ Tender cost and Security Deposit (SD) for MSE:

- i. Tenders shall be provided free of cost and can be obtained from the Office of Dy. General Manager (C&P)
- ii. MSE units qualifying as at (a) above shall be exempt from paying EMD.
- iii. Additionally, MSEs registered with NSIC shall be exempt from paying Security Deposit up to the \ monetary limit mentioned in the certificate.



The tenderers must accept the terms and conditions stipulated in NIT failing which the offer is liable to be rejected at the sole discretion of RFCL. RFCL however, may at its sole discretion accept offers having deviation to NIT terms and conditions in respect of EMD, security deposit, Price reduction schedule etc. by adopting the stipulated loading criteria, where ever applicable, as under: -

Sr.No	Loading Criterion	Description.
1	Offers received without EMD	EMD amount (absolute value), as required in the NIT shall be loaded on landed cost of total offer value.
2	Non-submission of SD cum PBG	
2.1	Less than 10%	(10% - quoted percentage) of basic price @ prime lending rate (SBI MCLR + 1%); on short fall in Bank Guarantee value agreed by the bidder for delivery period + Guarantee period with additional one month period.
3	Payment Terms	For interest @ MCLR (SBI MCLR + 1 %) as following
3.1	Against payment for dispatch of materials / through bank	A. Foreign Bidders = Three Months B. Indian Bidders = Depending on delivery conditions viz. Ex-works - one & half months months FOR Destination - One month
3.3	Against Payment within 30 days	Nil
4	For Other Deviation like Packing & Forwarding (P & F)	2 % of Basic Price if party has not specifically quoted P & F charges and mentioned as extra.
5	Loading for discrepancy in acceptance of Price reduction schedule	
6.1	0.5% per week subject to a ceiling of 5 % of total order value	No Loading
6.2	0.5% per week subject to a ceiling of 2.5 % of total order value	2.5 % Loading
6.3	Damages accepted on undelivered value instead of Total Order Value	2.5 % Loading
6.4	Non-acceptance of Price reduction schedule	5 % Loading
7.0	Inland Insurance	To arrive at the landed prices, the transit insurance shall be calculated @ 0.11% of (Basic Price +P&F+ all taxes & other applicable charges + other statutory levies (if any) + Inland Freight
8.0	Loading of Freight in percentage terms	
8.1	In case weights and distances are known for all suppliers	I. For Smalls : Inland transportation charges shall be calculated at the rate of Rs. 5 per Km/MT II. For Truck Loads : @ Rs 4 Km/MT
8.2	While undertaking item wise evaluation where item wise weights are not available	
8.3	Transportation from the vendors situated within a distance of 400 Kms	1 % CIF / Ex-works Prices
8.4	Transportation from the vendors situated within a distance of 401 Kms to 800 Kms	2 % CIF / Ex-works Prices
8.5	Transportation from the vendors situated within a distance of more than 800 Kms	3 % CIF / Ex-works Prices

Loading criteria shall be strictly applicable to all bidders.

General Terms & Conditions of Notice Inviting Tender

- 1 a) The prices should be FOR/FOT.....by RoadTransport approved by bankers. In case the material constitutes wagon load, the prices should be FOR RFCL New Delhi.
- 2 b) In case GST is chargeable extra, the rate of applicable GST must be clearly mentioned in the quotation. Tenderers must also mention their GST Regn. No. in the quotations.
- 3 If for any reason, prices tendered are for delivery FOR forwarding station, the freight charges together with the gross weight of the material should be clearly mentioned in the quotation. In case the rates quoted are ex-go down/ex-factory, the packing and forwarding charges, if leviable, may be specifically indicated.
- 4 If the weight of the material permits dispatch by post parcel/courier, this may clearly be stated in the quotations
- 5 Our standard terms of payment are within 30 days of the receipt of the material in good condition.
- 6 Complete specifications of the Stores offered together with manufacturer's name brand, etc., of each of the item must be given in the quotations and descriptive literature and samples (wherever necessary or required) should be sent along with the quotations.
- 7 Price and delivery quoted by you must be firm and valid for a minimum period of 90 days from the due date of opening of quotation.
- 8 The tenderer shall quote the price strictly as per the proforma enclosed for schedule of prices. Parties should quote one rate for specific quantity quoted by them. Tenders with quotation of different rate for different quantities shall be rejected without any further reference.
- 9 Price Reduction Schedule (PRS): It shall be obligatory on the part of suppliers to adhere strictly to the deliveries quoted and accepted by us in our orders. In case of delay in supplies, unless extension of delivery has been granted by us on application by the suppliers, we may at our option either (i) Price shall be reduced @ 0.5% per week or part thereof subject to maximum of 5% of net contract price in case of delay in supplies. Supplier shall raise the invoice with reduced price in case of delay in supplies, or (ii) purchase elsewhere on account and at the risk and cost of the suppliers the stores not delivered or(iii)cancel the contract without prejudice to our rights under (i) & (ii) above.
- 10 Quotations must be legible, clear and free from overwriting/erosions. You should sign on all cuttings/over writings. Incomplete quotations are liable to be summarily rejected.
- 11 We reserve the right to accept or reject any quotation in full or in part without assigning any reason thereof. We also reserve the right to split and place order on more than one supplier.
- 12 RFCL will have the right to issue addendum to tender documents to clarify, amend, modify, supplement or delete any of the conditions, clauses or items stated. Addendum so issued will form part of original invitation to tender.
- 13 RFCL reserves the right to postpone the tender opening date and/or time and will intimate all the tenderers well in time, of such postponement along with notice of revised opening date and time.
- 14 One person will be allowed to represent only one company during discussions/negotiations with RFCL. If same person is representing different companies with authorization letter from more than one company, such person will be allowed to represent only the first company called for negotiations.
- 15 Bidders may ensure that tender documents/offer has been signed by appropriate/authorized representative of the Company. Withdrawal of offer/non acceptance of orders placed based on offers submitted by bidder's on their letter head; will not be allowed on the grounds that offer was not signed by authorized person.
- 16 The prospective tenderers having any common partners/Directors/ Managing partners, etc. or having any other common criteria shall be considered as Sister/Group/Associates company. In such cases, only one of them will be eligible for participating in the tender.
- 17 In case, due to some unforeseen circumstances, the date of receiving/opening of the tender happens to be a holiday/closed day, the tender will be received and opened on the next working day.
- 18 If a tenderer resorts to any frivolous, malicious or baseless complaints / allegations with an intent to hamper or delay the tendering process or resorts to canvassing/ rigging/ influencing the tendering process, RFCL reserves the right to debar such tenderer from participation in the present / future tenders up to a period of 2 years.
- 19 It shall be certified by the tenderer that none of the RFCL/NFL/EIL/FCIL employee is related to owners/directors. (In case any relative is working in RFCL/NFL/EIL/FCIL, furnish details separately). It shall also be certified by the tenderer that none of RFCL/NFL/EIL/FCIL's ex-employee is employed with them. (In case any ex-employee of RFCL/NFL/EIL/FCIL is employed, furnish details separately).It shall be certified by the tenderer that none of blood relation of the owners/directors is participating in this tender in the name of other firm.

As

- 19 Subsequent to an order being placed against your quotation, received in response to this 'enquiry', if it is found that the materials supplied are not of the right quality or not in accordance with our specifications (required by us) or received in damaged or broken conditions, not satisfactory owing to any reason of which we shall be the sole judge, we shall be entitled to reject the materials, cancel the contract and buy our requirement from the open market/other sources and recover the loss, if any, from the supplier reserving to ourselves the right to forfeit the security deposit, furnished by the supplier against the contract. The supplier will make his own arrangements to remove the rejected materials within a fortnight of instruction to do so. Thereafter, materials will lie entirely at the supplier's risk and responsibility and storage charges, along with any other charges applicable, will be recoverable from the supplier.
- 20 **FORCE MAJEURE:**
Neither party will 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, rebellion, mutiny, civil commotion, fire, riots, earthquake, drought, flood crop failure, or Act of God or due to any restraint or regulation of the State or Central Government or a local authority/authorities, provided a notice of such occurrence is given to the other party in writing within 10 days from the date of occurrence of the force majeure condition, furnishing therewith a documentary evidence supporting the invoking of the force majeure clause. On cessation of the force majeure, the party invoking force majeure will inform the other party of the period for which the force majeure condition continued and will also give documentary evidence there of this effect
- 21 In all cases of disputes, the decision of RFCL shall be final. Failing this, the matter will be referred to the Arbitration in accordance with the Indian Arbitration Act and amendments thereof.
- 22 **Arbitration:**
The contract shall be governed by and construed in accordance with the laws of India. Except where otherwise provided in the contract all matters, questions, disputes or differences whatsoever, which shall at any time arise between the parties hereto, touching the construction, meaning, operation or effect of the contract, or out the matters relating to the contract or breach thereof, or the respective rights or liabilities of the parties, whether during or after completion of works or whether before or after termination shall after written notice by either party to the contract to be referred to Designated authority for appointment of Arbitrator. The Arbitration proceeding shall be governed by the Arbitration & Conciliation Act, 1996, The Arbitration & Conciliation (Amendment Act 2015) or any further statutory modification or re-enactment thereof and the rules made there under.
The contractor/vendor hereby agrees that he shall have no objection if the arbitrator so appointed is an employee of RFCL/NFL/EIL/FCIL and he had to deal with the matter to which the contract relates and that in the course of his duties as such he has expressed his views on all or any of the matter in dispute or differences.
If the arbitrator, to whom matter is referred, vacates his / her office by any reason whatsoever then the next arbitrator so appointed by the authority referred above may start the proceedings from where his predecessor left or at any such stage he may deem fit.
It is agreed by and between the parties that in case a reference is made to the Arbitrator or the Arbitral Tribunal for the purpose of resolving the disputes / differences arising out of the contract by and between the parties hereto, the Arbitrator or the Arbitral Tribunal shall not award interest on the awarded amount more than the rate of SBI MCLR / Base rate applicable to RFCL on the date of award of contract.
- 23 **JURISDICTION:**
All actions at law or suits arising out of or in connection with this contract or the subject matter thereof will be instituted in court of Delhi, New Delhi.
- 24 No amendment to the tender would be admissible under any circumstances, whatsoever after the closing date and time of receipt of tenders.



BID SECURITY (EMD) FORMAT

DRAFT OF BANK GUARANTEE FOR BID SECURITY DEPOSIT/EMD

IN CONSIDERATION OF Ramagundam Fertilizers and Chemical Limited (RFCL), HAVING ITS REGISTERED OFFICE AT SCOPE COMPLEX, CORE-III, 7 INSTITUTIONAL AREA, LODHI ROAD, NEW DELHI-110003 (HEREINAFTER CALLED RFCL WHICH EXPRESSION SHALL UNLESS REPUGNANT TO THE SUBJECT OR CONTEXT INCLUDES ITS SUCCESSORS AND ASSIGNS) HAVING AGREED TO EXEMPT _____ (HEREINAFTER CALLED THE, THE SAID TENDERER(S) WHICH EXPRESSION SHALL UNLESS REPUGNANT TO THE SUBJECT OR CONTEXT INCLUDES HIS SUCCESSORS AND ASSIGNS) FROM THE DEMAND UNDER THE TERMS AND CONDITIONS OF TENDER NO _____ FOR _____ HEREINAFTER CALLED "THE SAID TENDERER" OF SUCH BID SECURITY DEPOSIT FOR THE DUE FULFILMENT BY THE SAID TENDERER(S) OF THE TERMS AND CONDITIONS CONTAINED IN THE SAID TENDER _____ FOR _____ ON PRODUCTION OF BANK GUARANTEE FOR RS. _____ (RUPEES /USD _____ ONLY).

1. WE _____ BANK HEREINAFTER REFERRED TO AS 'THE BANK' DO HEREBY UNDERTAKE TO PAY TO RFCL AN AMOUNT NOT EXCEEDING RS. _____ (RUPEES _____ ONLY) AGAINST ANY LOSS OR DAMAGE CAUSED TO OR SUFFERED BY 'RFCL' REASON OF ANY BREACH BY THE SAID TENDERER(S) OF ANY OF THE TERMS AND CONDITIONS CONTAINED IN THE SAID TENDER (THE DECISION OF THE COMPANY AS TO ANY SUCH BREACH HAVING BEEN COMMITTED AND LOSS SUFFERED SHALL BE BINDING ON US.

2. WE _____ BANK DO HEREBY UNDERTAKE TO PAY THE AMOUNTS DUE AND PAYABLE UNDER THIS GUARANTEE WITHOUT ANY DEMUR MERELY OR A DEMAND FROM 'RFCL' STATING THAT THE AMOUNT CLAIMED IS DUE BY WAY OF LOSS OR DAMAGE CAUSED TO OR WOULD CAUSE TO OR SUFFERED BY 'RFCL' BY REASON OF ANY BREACH BY THE SAID TENDERER(S) OF ANY OF THE TERMS OR CONDITIONS CONTAINED IN THE SAID TENDER OR BY REASON OF THE SAID TENDERER'S FAILURE TO KEEP THE TENDER OPEN. ANY SUCH DEMAND MADE ON THE BANK SHALL BE CONCLUSIVE AS REGARDS THE AMOUNT DUE AND PAYABLE BY THE BANK UNDER THIS GUARANTEE. HOWEVER, OUR LIABILITY UNDER THIS GUARANTEE SHALL BE RESTRICTED TO AN AMOUNT NOT EXCEEDING _____ (RS _____ ONLY).

3. WE _____ BANK FURTHER AGREE THAT THE TEE HEREIN CONTAINED SHALL REMAIN IN FULL FORCE AND EFFECT DURING THE PERIOD THAT WOULD BE TAKEN FOR THE FINALISATION OF THE SAID TENDER AND THAT IT SHALL CONTINUE TO BE ENFORCEABLE TILL THE SAID TENDER IS FINALLY DECIDED AND ORDER PLACED ON THE SUCCESSFUL TENDERER AND/ OR TILL ALL THE DUES OF RFCL UNDER/OR BY VIRTUE OF THE SAID TENDER HAVE BEEN FULLY PAID AND ITS CLAIMS SATISFIED OR DISCHARGED OR TILL A DULY AUTHORISED OFFICER OF RFCL CERTIFIED THAT THE TERMS AND CONDITIONS OF THE SAID TENDER HAVE BEEN FULLY AND PROPERLY CARRIED OUT BY THE SAID TENDERER(S) AND ACCORDINGLY DISCHARGES THE GUARANTEE. UNLESS A DEMAND OR CLAIM UNDER THIS GUARANTEE IS MADE ON US IN WRITING ON OR BEFORE THE _____ TO INCLUDE 3 MONTHS CLAIM OVER AND ABOVE THE PERIOD MENTIONED IN THE PARAGRAPH FOR THE VALIDITY OF THE BANK GUARANTEE IN THE TENDER WE SHALL BE DISCHARGED FROM ALL LIABILITY UNDER THIS GUARANTEE THEREAFTER.

4. WE _____ BANK, LASTLY UNDERTAKE NOT TO REVOKE THIS GUARANTEE DURING ITS CURRENCY EXCEPT WITH THE PREVIOUS CONSENT OF 'RFCL' IN WRITING. DATED _____ DAY OF _____ 20

CORPORATE SEAL

FOR BANK.



BANK GUARANTEE FOR SECURITY DEPOSIT-CUM- PERFORMANCE GUARANTEE FORMAT

(To be prepared on Stamp paper issued in the name of Bank)

This BANK GUARANTEE No. _____ made this day of _____ between _____ a bank incorporated and having its registered office at _____ (hereinafter called BANK) which expression shall unless repugnant to the context or contrary to the meaning thereof include its successors and assigns on the one part and RAMAGUNDAM FERTILIZERS AND CHEMICALS LIMITED, a Company registered in India under Companies Act, 2013 and having its registered office at Core - III, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi - 110 003, India to the context or contrary to the meaning thereof include its successors and assigns on the other part.

WHEREAS in pursuance to the agreement No. _____ dated _____ (hereinafter called CONTRACT) entered into between RAMAGUNDAM FERTILIZERS AND CHEMICALS LIMITED (hereinafter called OWNER and _____ a Company incorporated in _____ (hereinafter called CONTRACTOR) which expression shall unless repugnant to the context or contrary to the meaning thereof include its successors and assigns, for supply of _____ as envisaged in the Contract. Contractor has to submit a SECURITY DEPOSIT - CUM - PERFORMANCE BANK GUARANTEE for RS. / USD _____.

CONTRACTOR accordingly agrees to furnish the SECURITY DEPOSIT - CUM - PERFORMANCE BANK GUARANTEE as hereinafter contained towards fulfilment of all of its obligations under the contract.

NOW THIS DEED WITNESSES AS FOLLOWS:

1. In pursuance of the Contract, the Bank hereby guarantees as a direct responsibility to OWNER that the BANK is holding the amount of RS / USD _____ at Owner's disposal and hereby promises and shall be bound to pay to OWNER, forthwith at Owner's written notice stating that the contractor has failed to fulfil its obligations under the contract for reasons for which contractor is liable and without any protest or demur and without recourse to contractor and without asking for any reasons as to whether the amount if lawfully asked for by Owner or not, the entire amount or the portion thereof as mentioned by Owner in the notice.

The decision of the Owner as to whether the terms and conditions of this SECURITY DEPOSIT - CUM - PERFORMANCE BANK GUARANTEE have been observed or not shall be final and binding on the BANK. In any case, however the Bank's responsibility under this SECURITY DEPOSIT - CUM - PERFORMANCE BANK GUARANTEE is limited to RS / USD _____.

2. This SECURITY DEPOSIT - CUM - PERFORMANCE BANK GUARANTEE shall be valid for an initial period of _____ months from the date of this Bank Guarantee No. _____ dated _____ given by the Bank to Owner become effective. Upon issuance of Commissioning / Erection / Completion certificate according to terms of contract on expiry of _____ months after the issuance of the above mentioned certificate of commissioning / erection / completion certificate, the SECURITY DEPOSIT - CUM - PERFORMANCE BANK GUARANTEE shall become null and void.

3. This SECURITY DEPOSIT - CUM - PERFORMANCE BANK GUARANTEE shall be in addition to and shall not affect or be affected by any other security now or hereafter held by Owner on account of money hereby intended to secure and Owner at its discretion and without any further consent from the Bank, and without affecting its rights against the Bank, may compound with, give time or other indulgence to or make any other arrangement with Contractor and nothing done or omitted to be done by Owner in pursuance of any authority or permission contained in this guarantee shall effect discharge of the liability of the Bank.

4. UNLESS PREVIOUSLY CANCELLED BY THE OWNER, this SECURITY DEPOSIT - CUM - PERFORMANCE BANK GUARANTEE will remain in force initially up to _____ months from the effective date of Bank Guarantee No. _____ dated _____ given by the Bank to the Owner and subject to provisions of paragraph 2 above will stand automatically cancelled on the expiry of the said period. Unless demand or claim under this Bank Guarantee is made on Bank in writing within three months from the date of expiry of this Bank Guarantee, all the rights of Owner against the Bank shall be forfeited and Bank shall be relieved and discharged from all the liabilities hereunder.



5. Any notice by way of request, demand or otherwise hereunder may be sent by post to the Bank, addressed as aforesaid, 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 a certificate, signed by an officer of the owners, to the effect that the envelope was so posted, shall be conclusive.

6. The SECURITY DEPOSIT – CUM – PERFORMANCE BANK GUARANTEE is to be returned to the Bank after its expiry in terms of Paragraph 4 above.

7. The Bank declares that it has the power to issue this guarantee and the undersigned have full power to do so.

Dated _____ this _____ day of _____.

(Indicate the name of the Bank with stamp)



INTEGRITY PACT

Integrity Pact (IP) is a tool developed by Transparency International (TI) to help governments, business and civil society, which are prepared to fight corruption in the field of public contracting and procurement.

Ramagundam Fertilizers and Chemicals Limited (RFCL), as one of its endeavours to maintain and foster most ethical and corruption free business environment, have decided to adopt the Integrity Pact, to ensure that all activities and transactions between the Company (RFCL) and its Counterparties (Bidders, Contractors, Vendors, Suppliers, Service Providers/Consultants etc.) are handled in a fair and transparent manner, completely free of corruption.

Integrity act is aimed at reducing corrupt practices during procurement and contracts through an agreement between the Principal (RFCL) and Counterparties. The agreement seeks commitment from the persons/officials of both the parties not to demand or accept any bribe or gift. Only those Vendors/bidders who enter into such an integrity pact with the buyer qualify to participate in the bidding process.

Integrity Pact is implemented through Independent External Monitor(s) who ensure that concerned parties comply with their respective obligations under the Integrity Pact. Two Independent External Monitor (IEMs) nominated in consultation with Central Vigilance Commission (CVC) shall monitor the activities. Any NIT/RFQ/Tender related complaint, for NIT/RFQ/Tenders covered under Integrity Pact having value of Rs. 1 (One) crore and above, may be addressed to the Independent External Monitor (IEMs) as per details given below:

Mr. Rakesh Chopra
32, Western Avenue,
Sainik Farms
Khanpur
New Delhi-110062
Email Id: chopra.rakesh@gmail.com

Mr. Chandra Prakash
T-3/404, Takshila Heights
Sector-37 C
Near Basai Chowk
Gurugram-122001 (Haryana)
Email Id: chandraprakash@gargs.com

(To be executed on plain paper and submitted along with technical bid/tender documents. To be signed by the bidder and RFCL.)

Ramagundam Fertilizers and Chemicals Limited (RFCL) hereinafter referred to as "The Principal".

AND

_____ hereinafter referred to as "The Bidder/Contractor"

PREAMBLE

The Principal intends to award, under laid down organizational procedures, contract/s for _____ (Bid _____ document _____ no. _____). The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of and of fairness/transparency in its relations with its Bidder.

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

Action 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 for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the personal 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 process or the contract execution.
 - c) The Principal will exclude from the process all known prejudiced persons.
2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/Contractor(s)

1. The Bidder(s)/Contractor(s) commit himself 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 persons 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 other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage or during the execution of the contract.



Page 1 of 4

YOGESH KUMAR
Dy. General Manager (C&P)
Ramagundam Fertilizers And Chemicals Ltd.

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)/Contractors will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or documents 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.

3. 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 contract

If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 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 reasons.

Section 4 : Compensation for Damages

- i. 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.
- ii. 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 liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 : Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last three years with any other company in any country conforming to the TII's anti corruption approach or with any other 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 the contract, if already awarded, for such reason.

Section 6 : Equal treatment of all Bidders/Contractors/Subcontractors.

1. The Principal will enter into agreements with the identical conditions as this one with all bidders, contractors and sub-contractors.
2. 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 violation Bidder(s)/Contractor(s)/Sub-contractors(s).

If the Principal obtains knowledge of conduct of a Bidder(s)/ Contractor(s) 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 information and documents of bidders /contractors as confidential. He reports to the Chairman & Managing Director, RFCL.
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, restricted and unconditional access to his 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)/ Sub-contractor(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 take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. 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 & Managing Director, RFCL, within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should be 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 Directors on RFCL Board.
8. If the Monitor has reported to the Chairman & Managing Director, RFCL, a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman & Managing Director, RFCL has not, within the reasonable time taken visible action to proceed against

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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" word 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 Bidder 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 Chairman & Managing Director of RFCL.

Section 10 : Other Provisions

This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal i.e. New Delhi.
Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

If the contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

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.

(For & on behalf of the Principal)

(For & on behalf of Bidder/Contractor)

(Office Seal)

(Office Seal)

Place

YOGESH KUMAR
Dy. General Manager (C&P)

Date

Ramagundam Fertilizers And Chemicals Ltd.

Witness 1 :
(Name & Address)

Gaurav Chandel
Bhikaji Cama Place
New Delhi

Witness 1 :
(Name & Address)

Witness 2 :
(Name & Address)

Witness 2 :
(Name & Address)