



Odisha Rural Development & Marketing Society
Creating competence and values in rural Odisha
Panchayati Raj & Drinking Water Department, Government of Odisha
Zilla Parishad, Koraput, Odisha-764020.
Email: dsmskoraput@gmail.com

ORMAS

Zilla Parishad, Koraput

Letter No. 640... /ORMAS/KPT

Date:.. 01/.../11/...../2024

TENDER NOTICE

Sealed Tenders are invited by Odisha Rural Development & Marketing Society (ORMAS), Koraput from interested reputed Firms/Agency/Party for supply and installation of **Gas Chromatography** at Agri Incubation center, Morichimal, Koraput District. The detailed tender document may be downloaded from the district website degm.koraput@odisha.gov.in. The bidder has to submit the cost of tender paper of Rs.3,000/- in shape of D.D in favour of Deputy CEO, ORMAS, Zilla Parishad, Koraput payable at Koraput.

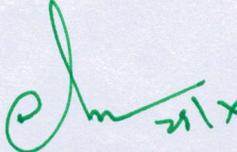
Interested bidders may submit their sealed tender documents in the prescribed format mentioning "Gas Chromatography" of the ORMAS, Zilla Parishad, Koraput." On the cover of the envelope of Odisha Rural Development & Marketing Society (ORMAS), Koraput, by21.11.2024..... up to 3 P.M through Speed Post, Registered Post or Courier only. Bidders are required to submit Technical Bid and Financial Bid in separate envelopes mentioning as financial and technical bid respectively enclosed in a common envelope.

The Technical & Financial Bid will be opened on the same day at 4 P.M in presence of the bidders of their authorized representatives. Tenders received after dur date and time will not be accepted, Odisha Rural Development & Marketing Society (ORMAS), Koraput, shall not be responsible for postal delay of similar reasons. No Tenders sent through an electronic means shall be accepted. Any corrigendum/addendum, if any, will be uploaded in the above-mentioned website. Odisha Rural Development & Marketing Society (ORMAS), Koraput reserves the right to accept or reject any or all tender without assigning any reason thereof.

For any queries you may contact at: - Mobile no: -9437642496

Address: -Odisha Rural Development & Marketing Society (ORMAS), Zilla Parishad, Koraput.

EmailID: [-dsmskoraput@gmail.com](mailto:dsmskoraput@gmail.com)


**COLLECTOR
KORAPUT**

Scope of Work:-

The detailed specification for supply of the Gas Chromatography required are as follows: -

GCFID Tender Specification

Specifications:

General Features of GC	<ul style="list-style-type: none">• Fully automated with programmable pneumatic control (digital control) for injector, detector and purge gas.• Instrument should be compatible to computer and software should be Window 10 or latest.• Basic system with EPC/AFC/PPC control for carrier/detector zone gases.• EPC/ PPC/AFC should provide optimum performance with all types of columns and detectors.• All parameters should be stored as a part of method for better analysis reproducibility.
Gas Flow control	<ul style="list-style-type: none">• Must come standard with programmable pneumatic control.• Digital Pneumatic Control for setting column flow with pressure, flow and linear velocity.• Carrier gas pneumatic program rates 0-150 psi/min or 0-100 ml/min or better• Three-ramps pressure program for carrier gas• Carrier pressure increment should be 0.001 psi or better.
GC Oven	<ul style="list-style-type: none">• Volume: approximately 13 Litres or more for easy fixing and removing different types/dimension of columns without compromising rate of heating or cooling of oven.• All temperature and time functions should be micro-

	<p>processor controlled and displayed on the screen.</p> <ul style="list-style-type: none"> • Must come with column over-heat protection. • Temperature set point resolution must be at least 0.1 °C or better. • Oven Operating temperature: Up to 450 °C • Temperature ramps should be 100 or more. • Maximum achievable temperature ramp rate should be 115 °C/min or more. • Cool down time from 450 °C to 50 °C in 4 min or less • Time settings: It should be 0.01 min increments for values 0 to 999.99 minutes or wider.
Injectors	<ul style="list-style-type: none"> • Must be configured with two split splitless capillary injectors. • Injector should be controlled by EPC/PPC/AFC. • Removable glass liner for trapping non-volatile residues. <p>Split split less Capillary Injector – 1 no's</p> <ul style="list-style-type: none"> • Operating Temperature range 50 °C to 450 °C in 1 °C increments • PPC pneumatics include automatic control of split vent by split flow or split ratio. • Maximum split ratio should be 10000:1 or more.
Detectors	<p>Flame Ionization Detector (FID)– 1 no</p> <ul style="list-style-type: none"> • Operating temperature: 100 °C to 450 °C in 1 °C • Minimum detectable quantity: $< 1.2 \times 10^{-12}$ g C/sec • Linearity: $> 10^7$ • Data acquisition rate should be Up to 1,000 Hz
Software	<ul style="list-style-type: none"> • Software performing data analyses at least as per

	DIN/ISO/US-EPA, calibration, blank correction, data import, export, handling and reporting, quality control protocols, computer -based training
Required consumables	<ul style="list-style-type: none"> • Autosampler Assy-GC (standard) which includes 20-vial carousel, single tower, 5 µl syringe volume, and mounting kit. • S/SL Injector starter kit • Gold seal 1pk • Autosampler screw cap vials & septa, caps – 100 no. • Autosampler syringe 5ul, 0.5 ul – 1 no
Columns	<ul style="list-style-type: none"> • Suitable column for application (non-polar, Polar columns)
Autosampler (Quote as separate)	<ul style="list-style-type: none"> • Inbuilt autosampler with sample vial capacity 20 or better • Vial size - 2ml • Waste and wash vial size - 10 ml • Sampling volume - Capable to inject from 0.1 µl to 50 µl or better. • Injection speed: Normal, fast, slow • Viscosity settings: 0 to 15 • Maximum number of injection/vials: 15 • Maximum number of solvent post washes: 25 • Maximum number of sample pumps: 15 • Maximum number of sample prewashes: 15 • Sample pre-rinse - Prepares the autosampler syringe in advance of the GC becoming ready. • RSD should be <0.1 % Area RSD with Autosampler. RT RSD 0.008%.
Local	<ul style="list-style-type: none"> • Suitable PC with Windows 10 OS

supplies need to provide by vendor	<ul style="list-style-type: none"> • Color Printer • 5 KV UPS with 30 mins power back up • UHP grade He cylinder with Double stage regulator. • UHP grade N2 cylinder with Double stage regulator. • UHP grade H2 cylinder with Double stage regulator • UHP grade Zero Air cylinder with Double stage regulator • Gas purification panels for all gases.
Power Supply	<ul style="list-style-type: none"> • 220 VACS $\pm 10\%$, 47 to 53 Hz.
Warranty	<ul style="list-style-type: none"> • The instrument should come with 3 years warranty

The selected bidder is required to all the material supply to ORMAS, ZP Office Koraput within 7 days of assignment of the Order/Contract.

Valuation of Bids:

1. Technical Bid Evaluation.
2. Financial Bid Evaluation.
3. The Technical Bid will be opened first and technical bid evaluation will be done as per the set criteria in the bid document.

Technical Bids:

Technical Evaluation Criteria

Bidders who fulfill all the below mentioned technical evaluation criteria will be considered eligible to compete in the Financial Bid.

SL. No	Criteria	Supporting Documents to be Submitted
1	The Bidder should be a Proprietorship/Partnership/Company established in India.	Bidder must submit the Proprietorship/Partnership/Company registration certificate/incorporation details along with a copy of <ul style="list-style-type: none"> • GST REGD COPY & PAN Card

2	The Bidder should have experience of All the Materials of at least Rs.5 lakh order supplied in single Not against a single work order in last three years.	<ul style="list-style-type: none"> • Income Tax Return of last year • FY 2023-24) • GSTRegistrationCertificate. • Latest GSTR • TRADE LICENSE FROM COMPONENT AUTHORITY • SHOULD HAVE REGD OFFICE IN ODISHA <p>Copy of work order clearly specifying the date of award, contracting authority and the quantity and costofGas ChromatographySupplied</p>
3	Supply Capacity	TheBiddermustsubmitanundertakingstatingthat ithascapacityofsupplyingalltheitems ofGas Chromatographyupto35 Lakhs.(Attached as Annexure 'C')
4	Financial Details of the Bidder	TheBiddershouldhaveanannualturnoverofat least 1 crore in last one financial year (i.e.2023- 24). Proof to be submitted by the Bidder in form of a statement by a chartered accountant/FinancialAudit Report.
5	ThebiddershouldsubmitanEARNEST money Deposit (EMD) of Rs 1,00,000/- and the Cost of Tender Paper of	Demand Draft infavour of Dy. CEO ORMAS, Koraput payable at Koraput. (Exemption of EMD and Cost of Tender Paper to any of the agencies not allowed.)

	Rs.3,000/-	
6	Bidder should submit an undertaking that there are no major legal cases pending against it	Attach self-certification/undertaking on company letter head duly signed and stamped by the competent authority of the Bidder.(Attached as Annexure 'D')
7	Bidders should submit an undertaking that is not blacklisted by Government of Odisha or any other Government authority	Attach a self-certification/undertaking of company head duly signed and stamped by the competent authority of the Bidder.

Technical Bids: -

The Financial bids of only the Bidders whose bid is more responsive will be opened. Financial Bid must be submitted as per the format at Annexure B. Financial Bid will be evaluated on rate quoted for each item of requirement. Contract shall be awarded to the firm(s) offering the lowest/net bundled price.

Terms and Conditions:

1. The CDO-cum-EO, ZP, Koraput reserves the right to reduce/enhance the quantity or item stated Above during in undertaking in to consideration of availability.
2. The bidders are required to deposit EMD Of Rs.1,50,000/-

(Rupees One Lakhs Fifty Thousand only) in shape of Bank draft/Pay Order in favour of "Deputy CEO, ORMAS, Koraput" from any Nationalized Bank payable. The E.M.D. of the successful bidder will be kept with ORMAS, Koraput till the completion of the event.

3. In case of any unsatisfactory work, delay in execution of work etc. the E.M.D will be forfeited as per the decision of the authority. Tender papers without E.M.D shall not be accepted.
4. Price quoted should be inclusive of all duties, taxes, other levies payable including transportation charges to ORMAS, ZP Office, Koraput. The bidders to submit a sample copy of all material of all above mentioned items in design provided by this office within 30 days of receiving the supply order if not satisfactory the order will be cancelled. Further, bidders to supply all the materials at Agri incubation center, Morichimal within 7 days from their receipt of supply order failing to which daily penalty of 2% of the billed amount will be charged every day for delay beyond the specified date of supply/installation.
5. The subject matter/design to be printed on the materials, will be provided to the selected party by ORMAS Koraput.
6. Each bidder shall submit only one tender paper.
7. The undersigned reserves the right to reject any or all tenders without assigning any reason thereof.
8. Earnest Money of unsuccessful tenderers shall be refunded after finalization of the tender.
9. Payment shall be made against submission of bills on completion of delivery of all Materials in Good conditions as per the orders of the competent authority.
10. The CDO-CUM-EO, ZP, Koraput shall have the right to deduct any amount found recoverable towards inferior quality, loss and

damage etc. from the bill for supply of Materials. The supplier for delay in payment of the bill shall not claim any interest. No advance will be made before supply.

11. The supplying agency/Firms finalizing should supply a sample copy of all Materials to ensure that it has been correctly formulated before going for final manufacturing.
12. Conditional tenders will not be accepted.

AnnexureA

To:

**Deputy CEO,
Odisha Rural Development and Marketing Society (ORMAS).
Zilla Parishad Office, Koraput, Odisha**

TechnicalSubmissionChecklist

The Checklist to be provided as first page of the Technical Bid

SI.NO	Documents attached	Yes/No
1	Entity Registration Details:	
2	Income Tax Return acknowledgement	
3	PAN Card.	
4	GST Registration Certificate	
5	Proof of Experience/Contracts	
6	Undertaking for capacity to deliver in stipulated time frame	
7	Turnover of the Bidder	
8	Earnest Money Deposit	
9	Cost of Tender Paper	
10	Undertaking for no pending legal cases	
11	Undertaking for no blacklisting	

Forandonbehalfof:

Signature(withseal)

Annexure-B

To

**The Deputy CEO,
Odisha Rural Development and Marketing Society (ORMAS)
Zilla Parishad, Koraput**

Financial Bid

Name of the Firm/Agency/Party: - _____

Address: - _____

Price Quoted for materials: -

SL. NO	NAME OF THE ITEMS	SPECIFICATION	QUANTITY	RATE (INCLUDING GST & TRANSPORTATION)
1	General Features of GC	Fully automated with programmable pneumatic control (digital control) for injector, detector and purge gas.		
		Instrument should be compatible to computer and software should be Window 10 or latest.		
		Basic system with EPC/AFC/PPC control for carrier/detector zone gases.		
		EPC/ PPC/AFC should provide optimum performance with all types of columns and detectors.		
		All parameters should be stored as a part of method for better analysis reproducibility.		
2	Gas Flow control	Must come standard with programmable pneumatic control.		
		Digital Pneumatic Control for setting column flow with pressure, flow and linear velocity.		
		Carrier gas pneumatic program rates 0-150 psi/min or 0-100 ml/min or better		
		Three-ramps pressure program for carrier gas		
		Carrier pressure increment should be 0.001 psi or better.		

3	GC Oven	Volume: approximately 13 Litres or more for easy fixing and removing different types/dimension of columns without compromising rate of heating or cooling of oven.
		All temperature and time functions should be micro-processor controlled and displayed on the screen.
		Must come with column over-heat protection.
		Temperature set point resolution must be at least 0.1 °C or better.
		Oven Operating temperature: Up to 450 °C
		Temperature ramps should be 100 or more.
		Maximum achievable temperature ramp rate should be 115 °C/min or more.
		Cool down time from 450 °C to 50 °C in 4 min or less
		Time settings: It should be 0.01 min increments for values 0 to 999.99 minutes or wider.
4	Injectors	Must be configured with two splitless capillary injectors.
		Injector should be controlled by EPC/PPC/AFC.
		Removable glass liner for trapping non-volatile residues.
		Split split less Capillary Injector – 1 no's
		Operating Temperature range 50 °C to 450 °C in 1 °C increments
		PPC pneumatics include automatic control of split vent by split flow or split ratio.
		Maximum split ratio should be 10000:1 or more.
5	Detectors	Flame Ionization Detector (FID)– 1 no
		Operating temperature: 100 °C to 450 °C in 1 °C
		Minimum detectable quantity: $< 1.2 \times 10^{-12}$ g C/sec
		Linearity: $> 10^7$
		Data acquisition rate should be Up to 1,000 Hz
6	Software	Software performing data analyses at least as per DIN/ISO/US-EPA, calibration, blank correction, data import, export, handling and reporting, quality control protocols, computer -based training
7	Required consumables	Autosampler Assy-GC (standard) which includes 20-vial carousel, single tower, 5 µl syringe volume, and mounting kit.
		S/SL Injector starter kit
		Gold seal 1pk
		Autosampler screw cap vials & septa, caps – 100 no.
		Autosampler syringe 5ul, 0.5 ul – 1 no
8	Columns	Suitable column for application (non-polar, Polar columns)

9	Autosampler (Quote as separate)	Inbuilt autosampler with sample vial capacity 20 or better		
		Vial size - 2ml		
		Waste and wash vial size - 10 ml		
		Sampling volume - Capable to inject from 0.1 µl to 50 µl or better.		
		Injection speed: Normal, fast, slow		
		Viscosity settings: 0 to 15		
		Maximum number of injection/vials: 15		
		Maximum number of solvent post washes: 25		
		Maximum number of sample pumps: 15		
		Maximum number of sample prewashes: 15		
		Sample pre-rinse - Prepares the autosampler syringe in advance of the GC becoming ready.		
		RSD should be <0.1 % Area RSD with Autosampler.		
		RT RSD 0.008%.		
		10	Local supplies need to provide by vendor	Suitable PC with Windows 10 OS
Color Printer				
5 KV UPS with 30 mins power back up				
UHP grade He cylinder with Double stage regulator.				
UHP grade N2 cylinder with Double stage regulator.				
UHP grade H2 cylinder with Double stage regulator				
UHP grade Zero Air cylinder with Double stage regulator				
11	Local supplies need to provide by vendor Power Supply	Gas purification panels for all gases.		
		220 VACS ±10%, 47 to 53 Hz.		
12	Warranty	The instrument should come with 3 years warranty		

Annexure C

To

The CDO-cum-EO

Zilla Parishad, Koraput

UNDERTAKING FOR SUPPLY OF MATERIALS

Undertaking that the Firm/Agency/Party has the capacity to supply of **Gas Chromatography** in the time frame of 30 days from award of contract. We confirm that we/agency have/has the capacity to supply the required all the materials amounting Rs.....lakhs to the ORMAS Office Koraput district as per their requirement in a time frame of 30 days from award of contract.

For and on behalf of: -

Signature (with seal)

Annexure-D

To

**The CDO-cum-EO
Zilla Parishad, Koraput**

UNDERTAKING THAT THE FIRM/AGENCY/PARTIES IS NOT BLACKLISTED

We confirm that we/agency are/is not black listed by any
Government institution/CPSE/SLPE/Local Authority.

For and on behalf of: -

Signature(withseal)