

TENDER

for

Supply and installation of Milk Analysers unit at Sagar district, Madhya Pradesh.

Tender Number: 91180276

Date: 15.04.2024

Brief Tender Notification

Particulars	Description
Purpose of Tender	To select an experienced company for Supply and installation of Milk Analysers unit at Sagar district, Madhya Pradesh.
Tender reference number	91180276
Date of tender announcement	15.04.2024
Last date to submit pre-bid queries by the interested bidders	19.04.2024
Last date to provide clarification to the queries. All the queries will be answered in the form of (Frequently asked question) FAQ and will be uploaded on the respective web portal.	23.04.2024
Last Date and time for submission of bids	29.04.2024
Mode of Submission	Bids to be submitted via functional email id, as per the instructions given below.
Validity of Bids/ Offered Price	90 days from the last date of submission of bids i.e. The selected supplier will not be able to vary from their financial bid until the completion of the Order, if awarded by GIZ
Address for Bid Submission	The agency has to submit the proposal, on the following email id only. qn_quotation@giz.de The bidder must NOT submit the proposal on any other email id, else the bid will be rejected
Location of Performance	Name of Producer Company - Deoshri Farmers Producer Company Limited Address- Opposite Satsang Bhawan, Near Bus Stand, Block Kesli, District Sagar, Madhya Pradesh, 470235 Contact Person - H.K. Dubey Mobile No. – 9406904637

Tender Notice

GIZ Country Office (India) is soliciting the bids from interested producers/agencies for Supply and installation of Milk Analysers unit at Sagar district, Madhya Pradesh as per the terms and condition of tender documents.

Purpose of the Bid

The purpose of bid is to select and agency for Supply and installation of Milk Analysers unit at Sagar district, Madhya Pradesh. The detailed address and locations will be shared with bidder.

Process of tender submission

The following documents are attached with the tender applications: -

- 1) Terms of Reference
- 2) Covering Letter- Annexure- A
- 3) Declaration Letter- Annexure- B
- 4) Technical Criteria – Annexure -C
- 5) Checklist – Annexure-D
- 6) Price Submission – Annexure-E
- 7) Delivery Schedule – Annexure-F
- 8) General Terms & Conditions (attached separately)

Interested bidders are requested to carefully examine all documents and submit the entire tender proposal as instructed in above mentioned documents. Any deviation/ differentiation from the instruction will lead to disqualification of the tenderer from the bidding process.

The bid must reach to GIZ Country Office in digital/electronically **on or before 29.04.2024** in the below mentioned address Only-

The covering letter must be addressed to

Please mark your bid:-

- **Tender Ref: “Supply and installation of Milk Analysers unit at Sagar district, Madhya Pradesh” – RFQ Nr. 91180276**

Timelines:

a) The bidders must submit the queries on the below mentioned email id's -

<u>Description</u>	<u>Deadline</u>	<u>Email ID</u>	<u>Remarks</u>
Per-bid Queries from Bidders		Please send it to: anurag.gautam@giz.de & swarup.mallik@giz.de Please do not send the queries on any other email ids	Please mention the subject line as – “QUERIES FOR TENDER Supply and installation of Milk Analysers unit at Sagar district, Madhya Pradesh at selected; RFP no. 91180276 <i>Pre-bid queries received after the deadline or sent to any other email id, apart from the given email ids will not be considered</i>
Clarifications given by GIZ			<i>The response will be prepared in form of FAQ and shall be shared with the bidders by this date on respective web portals. Kindly keep visiting the respective web portals.</i> <i>Individual responses to queries shall not be given.</i>
Bid Submission deadline		Please send the proposal only on the below email id: qn_quotation@giz.de	<i>Bid should be sent only on qn_quotation@giz.de email id only,</i> <i>Bids sent on any other email id/hard copy, will be disqualified.</i>

Please refrain from making any personal / telephonic / telefax contact about this tender to any personnel of GIZ India.

We look forward to receiving your offers.

TERMS OF REFERENCE

Background:

Support to Agroecological Transformation Processes - SuATI" was commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ) as part of the global BMZ Initiative "Transformation of Agrifood Systems". The project is implemented by GIZ India in cooperation with the Ministry of Agriculture and Farmers Welfare (MoA&FW), the National Bank for Agriculture and Rural Development (NABARD) and the Ministry of Rural Development (MoRD). SuATI is focused on the states of Karnataka, Madhya Pradesh and Assam.

The objective of SuATI is to strengthen agroecological transformation processes of agricultural and food systems at national and state level in India through five interlinked output areas:

1. Improve knowledge on agroecological and similar sustainable agricultural practices
2. Support implementation of agroecological programmes with focus on market development, crop and income diversification at state level
3. Anchor agroecological principles and approaches in national programmes
4. Demonstrate landscape-based planning, implementation and monitoring of agroecological approaches
5. Strengthen Indo-German dialogue and cooperation on agroecology

Purpose of the Tender

The purpose of this procurement is to acquire milk analysers to support women producer groups in Madhya Pradesh via forward linkage support towards enhancing agroecological transformation leveraging women SHG members. The machines should integrate accurate analysis, efficient data processing, reliable printing, precise weighing, sustainable power solutions, and compliance measures to enhance operational efficiency. This aims to ensure quality assurance in the dairy industry, fostering empowerment and sustainable development within local communities.

Deployment

- Location for supply of machines: Madhya Pradesh, Sagar district
- Number of machines required: 50-100 nos.

The technical specifications and requirements are as follows-

Detailed Scope of Work

Technical Specifications for Milk Analysers

Low-cost solution for milk collection based on ultrasonic analyzers, data processing and integrated printing.

Technical Data:	Range	Resolution	Accuracy*
Parameter			
FAT	0 – 15%	0.01%	±0.10
SNF	0 – 15%	0.01%	±0.20
CLR	0 – 40	0.1	±0.50
Added Water	0 – 100%	0.1%	±0.30
Parameter			
Repeatability		+ 0.05%	
Optional*		Protein Display (Calculated)	
Measurement Cycle		40 sec	
Sample Volume		20 ml	

Details

Ultrasonic processor	Timer: 10-20 sec (adjustable) Frequency: 25 - 30 KHz. (adjustable)
DPU	Processor : 32bit Stellaris Micro Controller Speed : 80Mhz RAM : 96KB Memory : 2GB
PRINTER	Thermal, 2 inch width, 42 characters
INPUT / OUTPUT	RS 232 - Weighing Balance, USB-IBM Keyboard, USB - Pen Drive, RS 232 - Remote Display Unit / Serial Printer/ PC, USB - Pen Drive, USB-Printer

Weighing Scale TI-10 Series

- 1) S.S. Base 600 x 600
- 2) Capacity 200 Kg with Ltr/Kg.
- 3) 1/15,000 ~ 1/60,000 display resolution
- 4) All steel construction with industrial coating
- 5) Water resistant keypad / Option for Splash Proof body
- 6) Tilt 90° and swivel 360° head, wall mounting available
- 7) Counting mode, Percentage weighing, Wt accumulation
- 8) Push Button Tare, Weight verification 10x zoom

- 9) Solar Plate 100 Watt,
Solar Controller (Imported),
Solar Battery “Exide make” 80 Ah

Sample Pictures of the same:



Special conditions for bidders:

- Bidders must include details of warranty conditions and an overview of the recommended service intervals to adhere to warranty conditions.
- The contractor will be responsible for installation of the machineries at the specified locations in Madhya Pradesh.
- The contractor will be responsible for maintenance of said machines for a period of 2 years (at least)
- Bidders must demonstrate that they are approved importers or sales agents for the manufacturer of the equipment being proposed. Where a bidder is a third-party reseller, the bidder should demonstrate the supply chain and provide a letter to prove the manufacturers authorization to offer their equipment through this channel. Bids without a manufacturer’s authorization letter may be rejected.

Liquidated Damages and Termination of Contract

Except because of force majeure, if the bidder fails to perform the scope of work, to the satisfaction of GIZ, within the time period specified in the delivery schedule or within the extended time period if any, GIZ shall without prejudice to its other remedies under the contract, deduct from the contract price as liquidated damage, a sum equivalent to 1% of the price of the unperformed work/ services for each week of delay until actual completion of work, up to a maximum deduction of 10%. Once the maximum is reached GIZ may consider termination of the contract.

Force Majeure

Force Majeure Events shall include the following events to the extent they satisfy the foregoing requirements:

- Natural disasters, including but not limited to lightning, earthquake, volcanic eruption, landslide, flood, cyclone, typhoon, tornado
- any act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, revolution, riot, insurrection, terrorist or military action

- any requirement, action or omission to act pursuant to any judgment or order of any court or judicial authority or Statutory Entity in India of any Law or any of their respective obligations under this Agreement
- expropriation and/or compulsory acquisition of the Project in whole or in part by any Government or Statutory Entity
- radioactive contamination or ionising radiation originating from a source in India or resulting from another Force Majeure Event excluding circumstances where the source or cause of contamination or radiation is brought or has been brought into or near the Project Site by the Affected Party or those employed or engaged by the Affected Party
- industry wide strikes and labour disturbances having a nationwide impact in India.

Force Majeure Event shall not include the following conditions, except to the extent that they are consequences of a Force Majeure Event:

- unavailability, late delivery or change in cost of steel, equipment, materials, spares parts or consumables in local market
- delay in performance of any contractor or sub-contractor or their agents
- non-performance resulting from normal wear and tear of plant, materials or equipment at the bidder's facility
- strike or labour disturbances at the facilities of the bidder
- insufficiency of finances or funds or the agreement becoming onerous to perform
- non-performance caused by, or concerned with, the bidder negligent and
- intentional acts, errors or omissions
- failure to comply with Law, or
- breach of, or default under this Agreement

Payment Terms

- 30% of bid price as advance after signing the order and submission of invoice.
- 70% after complete delivery of material and invoice submission.

Delivery of Material

The Bidder should note that it has to furnish and agree with GIZ, the delivery of the material at the project site (Annexure – F)

The equipment delivery must be coordinated with GIZ before the dispatch to the project site.

A. SPECIAL CONDITIONS

1. **Scope:** The scope of work to be carried out under this contract is illustrated in technical Specifications and BOQ. The Contractor will carry out and complete the said work under this contract in every respect in conformity with the contract documents and with the direction of and to the satisfaction of the Owner's (GIZ is referred to as Owner) site representative. The contractor will furnish all labour, materials, and equipment (except

those to be supplied by the owner) as listed under BOQ and specified otherwise, transportation and incidental necessary for supply, installation, testing, and commissioning of the complete system as described in the technical specifications and as listed in BOQ. This also includes any material, equipment, appliances, and incidental work not specifically mentioned herein or noted on the drawings/documents as being furnished or installed, but which are necessary and customary to be performed under this contract.

2. **Civil Works:** All kind of civil works associated with **Technical** installation are part of the scope of this contract.
3. **Performance Guarantee:** The contractor will perform the work in accordance with the tender documents, drawings and other documents forming part of the contract. At the close of the work and before issue of final certificate of virtual completion, the contractor will furnish written performance guarantee against defective materials and workmanship for a period of **one year** from date of testing, commissioning, and satisfactory handing over. The Contractor will hold himself fully responsible for reinstallation or replacement, free of cost to Owner because of defective workmanship.
4. **Specifications:** The work will be installed as per BOQ. However, any change found essential to coordinate the installation of this work with other trades will be made without any additional cost to the Owner wherever possible or an approval will be taken from Owner. The data given herein and on the Drawings is as exact as could be secured, but its complete accuracy is not guaranteed. The drawings are for the guidance of the contractor, exact locations, distances, and levels will be governed by the site conditions and the Architectural & Interior layouts.
5. **Materials & Equipment:** All materials and equipment will conform to the relevant Indian Standards and will be of the approved make and design. Makes will be strictly in conformity with list of approved manufacturers as listed in list of approved makes. Contractor will be responsible for the safe custody of all materials and will insure them against theft or damage in handling or storage etc.
6. **Retention Clause:** The client shall withhold 10% of the total basic amount of the project until such time the project achieves the stated desired application up and running smoothly.
7. **Completion Certificate:** On completion, a certificate will be furnished by the Contractor countersigned by the supervisor, under whose direct supervision the installation was carried out.
8. **Demonstration to Owner:** At completion, devices subject to manual operation will be operated at least two times in presence of Owner's site representative to demonstrate satisfactory operation.

A. BILL OF MATERIALS AND QUANTITIES

Supply and installation of Milk Analysers unit at Sagar district, Madhya Pradesh. Equipment requirement with their delivery locations are as below:

Table 1: Milk Analysers Production Unit

Sr. No.	Description	Components	Quantity
Milk Analysers production unit			
1	Milk Analysers	Low-cost solution for milk collection based on ultrasonic analyzers, data processing and integrated printing.	100 units

Table 2: Installation of Milk Analysers

S. No	Description	Components	Quantity
1	<i>Milk Analysers</i>	<ul style="list-style-type: none"> Coordination with Project partners and for Installation of Milk Analysers machines 	100

Table 3: Technical specifications

No.	Item	Specifications			
1	Milk Analysers	Technical Data:	Range	Resolution	Accuracy*
		Parameter			
		FAT	0 – 15%	0.01%	±0.10
		SNF	0 – 15%	0.01%	±0.20
		CLR	0 – 40	0.1	±0.50
		Added Water	0 – 100%	0.1%	±0.30
		Parameter			
		Repeatability		+ 0.05%	
		Optional*		Protein Display (Calculated)	
		Measurement Cycle		40 sec	
Sample Volume		20 ml			
		<u>Details</u>			
	Ultrasonic processor	Timer: 10-20 sec (adjustable)			
	DPU	Frequency: 25 - 30 KHz. (adjustable)			
		Processor : 32bit Stellaris			
		Micro Controller Speed : 80MhzRAM : 96KB			
		Memory : 2GB			
	PRINTER	Thermal, 2 inch width, 42 characters			
	INPUT / OUTPUT	RS 232 - Weighing Balance, USB-IBMKeyboard,			
		USB - Pen Drive, RS 232 - Remote DisplayUnit / Serial Printer/			
		PC, USB - Pen Drive, USB-Printer			
		Weighing Scale TI-10 Series			
		10) S.S. Base 600 x 600			
		11) Capacity 200 Kg with Ltr/Kg.			
		12) 1/15,000 ~ 1/60,000 display resolution			
		13) All steel construction with industrial coating			
		14) Water resistant keypad / Option for Splash Proof body			
		15) Tilt 90° and swivel 360° head, wall mounting available			
		16) Counting mode, Percentage weighing, Wt accumulation			
		17) Push Button Tare, Weight verification 10x zoom			

		18) Solar Plate 100 Watt, Solar Controller (Imported), Solar Battery “Exide make” 80 Ah
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Minimum Eligibility Criteria for participation in tender process

Note: The supplier have to submit the documentary evidence for all the below given criteria's, failing which bid may be rejected.

S. No.	Particular	Document to be attached.
01	Company Registration	<p>The agency must have a registered office in India with minimum experience of 05 years in field of making pyrolizers for Milk Analyser production - manufacturing, supply and installations with various stakeholders.</p> <p>"The agency should be a manufacturer or an authorized dealer/distributor of particular/proposed brand and must submit copy of respective certificate with the proposal/bid" (Mandatory)</p>
02	Average Annual Turnover must be minimum of INR 1,00,00,000 in last three financial years.	<p>CA Certificate (Mandatory)</p> <p>Computation of Income Tax for last three financial years ((Mandatory)</p> <p>Audited P&L Account and Balance Sheet for last three F.Y bearing UDIN (Mandatory)</p>
03	Client List	<p>The company must provide client list of 3 medium / large size companies in the past 03 years having worked on Milk Analyser making machine for manufacture, supply and installation.</p>
04	Working Experience	<p>Prior work order/ purchase order will be attached for at least 03 companies demonstrating the similar nature of work undertaken in the past 03 years with minimum value of INR 50,00,000 (INR Fifty Lakhs)</p> <p>GIZ Experiences, if any: (Please give references of assignments with GIZ)</p>

		Non-GIZ Experiences: (Please give references of assignments other than GIZ)
05	Legal Status	Incorporation Certificate and /or other legal registration documents as per the nature of business (Mandatory)
06	PAN, TIN, GST	Copy of PAN, TIN and GST certificates (Mandatory)
07	Bank details	Copy of Cancelled cheque along with bank details (Mandatory)
08	Organizational Profile	Organisation may submit standard brochure/profile of the organization including the client list for reference purpose (Desirable)
09	References	Organization may provide reference of minimum 03 reputed clients from last 02 years (Desirable)
10	Quality Certifications	Any ISO, Quality or any Green certification – Desirable though not mandatory;
10	Ecological and sustainable parameters	Organisation should briefly elaborate the business practices adopted towards the sustainability initiatives and highlight the experience in Sustainable Development Goals (SDGs) (Desirable, but strongly recommended to provide considering GIZ's overall commitment to sustainability initiative, especially SGD 13)

- ***The company will also declare that no child labour engaged in their organisation directly or indirectly. (As per Annexure- A);***
- ***Self-certification to the effect that the tenderer has not been blacklisted by any company or its contract has been terminated on account of poor performance. (As per Annexure-A);***

The financial proposal must be duly signed and stamped by the authorised signatory with a covering letter, mentioning complete details/coordinates of company. The agency is requested to quote inclusive of packing, loading, transportation, unloading costs in the financial format.

The financial proposal must also mention the following:

- (a) Schedule and timelines for supply and installation*
- (b) Warranty/Guarantee of equipment.*
- (c) GST must be indicated separately with GST rate.*
- (d) Payment terms if different from the GIZ proposed payment terms.*
- (e) Freight/Packing/delivery charges (if any) must be mentioned separately.*

Submission of Bids:

The tender documents duly completed should be submitted with subject line on mail as -

Tender Ref: 91180276 Supply and installation of Milk Analysers unit at Sagar district, Madhya Pradesh.

The bids will be complete in all respect and the bidder will submit all the relevant documents as described under this tender. If required, GIZ may solicit in writing further information from the bidder.

Price Submission

- The price quoted should be exclusive of taxes (GST) and tax rate should be clearly indicated **“Price Sheet” – Annexure- D** and any such other levies/ taxes that may be clearly defined.
- If there is no mention of taxes in the price bid, it will be presumed that your rate is inclusive of taxes

Opening and Evaluation of Tenders

- The following Tenders will be **DISQUALIFIED**:
 - Bids/Proposals received after deadline of submission.
 - Bids/Proposals submitted by fax email ID's except specified address in tender documents.
 - Bidders not meeting eligibility/commercial suitability
- The Financial bids will be evaluated only in respect of those firms, which meet the technical bid criteria mentioned above by submitting all relevant documents and declaring child labour/blacklisting declaration.
- Based on the offers presented, the different proposals will be scored for excellence and final selection will be made of the best of the offers with lowest prices and as per the quality of make/brand recommended by GIZ in List of specifications.
- Any arithmetical error by the Bidder in pricing the List of Specifications/Annexure D or in the additions or in carrying forward subtotals to the summary or to the Tender will be corrected during the evaluation of the Tenders. In such cases the Tender sum will be

adjusted accordingly, and the Bidder will be informed. It will be assumed that the unit price rates entered in the List of Specifications/ Annexure D, are correct.

- GIZ does neither bind himself to accept the lowest Tender or any Tender, nor will he be responsible or pay for expenses or losses, which may be incurred by any Bidder with the preparation of his Tender.

Cancellation of Tendering Action

- The Tendering Action can be cancelled, if
 - (a) No Tender has been received which corresponds to the Tender Conditions,
 - (b) There have been substantial changes to the basis of the Tendering Action, or
 - (c) There are other serious reasons for such a cancellation.
- The Bidders will be informed without delay of the cancellation of the Tendering Action by the GIZ or his authorized representative and of the reasons for the same.
- This tender notification does not entail any commitment on the part of GIZ, either financial or otherwise. GIZ reserves the right to accept or reject any or all proposals without incurring any obligation to inform the affected applicant/s of the grounds.

Cost incurred towards submitting the bids will in any case not be reimbursed/paid by GIZ.

Annexure A: Covering letter

**Covering Letter
(To be submitted along with the Proposal/bid on company's Letter Head)**

M/s
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.....
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.....

To,

The Head of Contracts and Procurement
GIZ India, GDCO Office
46, Paschimi Marg, Vasant Vihar
New Delhi – 110 057

Subject: Offer in response to Tender No.

Dear Sir/ Madam,

I/We the undersigned hereby offer to execute the scope of work and accordingly submit our offer in full compliance with terms & conditions of the bid.

The bid is being submitted as per the instructions mentioned in the tender documents.

Name of the Contact Person	
Mobile Number	
Email Id	
Land line Number, if any	
Office address	

(Signature and stamp of Bidder)

Annexure B: Declaration by the bidder

Declaration by the bidder (to be submitted along with the bid)

I/We the undersigned (herein after referred to as manufacturer) having fully understood the nature of the work and having carefully noted design, specification, terms and conditions, etc. as mentioned in the bid document do hereby declare that,

1. All the requirements of the bid document have been understood properly and accordingly agree with all provisions of the bid document and accept all risks, responsibilities and obligations directly or indirectly connected with the performance of the bid.
2. All the relevant information with regard to proper execution of the proposed work have been understood, with respect to the proposed specifications, its intended end use, availability of required materials and labour etc.
3. Are capable of executing and completing the work as required in the bid and is financially sound to execute the scope of work as per the work execution schedule. We have sufficient experience and are competent enough to perform the contract up to the satisfaction of GIZ. We also give the assurance to execute the scope of work as per the specifications, terms and conditions on award of order.
4. We have no collusion with other bidders, any employee of GIZ or team engaged in executing the scope of work.
5. We have not been influenced by any statement or promises by any employee of GIZ or anyone from the team engaged by GIZ but only by the bid document.
6. We are familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government that may affect the work, its performance or personnel employed therein.
7. We have never been debarred to undertake similar work by any Government undertaking/department, never been blacklisted or our companies' contract been terminated due to poor performance
8. The submitted offer will remain valid for acceptance for 90 days from the last date of submission of bid.
9. All the information and the statements submitted with the bid are true to the best of knowledge.
10. We are not engaged in any kind of child labour nor any of our partner/suppliers are indulge in any child labour activities.

(Signature and stamp of Bidder)

Name:

Seal/Stamp:

Date:

Annexure C: Technical Criteria

S No	Description	Critical Points / Criteria to follow	Response
A		Supply and installation of Milk Analysers unit at Sagar district, Madhya Pradesh.	
B			
C			

Signature of the bidder

Name:

Seal / Stamp

Annexure D: Document Submission

1. Checklist

Bidder should confirm that following documents has been submitted along with the bid.

Sl. No	Documents	Yes	No
1.	Covering letter as per prescribed format (Annexure A)		
2.	Declaration on Company's letter head with complete contact details as per prescribed format (Annexure B)		
3.	Agreement of Technical Criteria (Annexure A) <i>Signed and stamped</i>		
4.	Price bid as per prescribed format (Annexure E)		
5.	Delivery Schedule: Total time frame required for supply of Camera trap (Annexure F)		
6.	Filled checklist (Annexure D)		
7.	Further documents required as per section 2 below		

2. Bidders to provide following information and need to attach documentary evidence in support of each of them

Sl. No	Description	Relevant document to be submitted	Documents Submitted	
			Yes	No
1.	A minimum experience of 03 years in supply & installation	Certificate of Incorporation or any other document for registration or partnership deed. 1 or more years old Purchase orders / Work contracts / commissioning certificates of supply and installation of similar systems.		
2.	Annual turnover of INR 1 Cr or more in the last three financial years.	Copy of audited statement by CA.		
3.	It should possess the documents showing registration e.g., GST, PAN, etc. Self-attested copy of the documents should be furnished by the bidder along with the bid.	Copy of Pan card Copy of GST number		

Signature of the bidder

Name:
Seal / Stamp

Annexure E: Price bid submission

Separate excel sheet enclosed with the tender document.

Annexure F: Delivery Schedule

Overview

Sl. No	Description	Expected Plan (GIZ)	Plan Proposed by the bidder
1.	Date of Purchase Order / Award of Contract	D0 (Day 0)	
2.	Complete Delivery, installation, trial runs of equipment and associated training at project site	D0 + 45 days	

Detailed Schedule

Sl. No	Tentative Delivery Schedule		Plan Proposed by the bidder
1.	Manufacture /procurement and inspection of material		
2.	Transportation of the equipment to the Project site		
3.	Installation and Testing of equipment at the Project site		
4.	Training to the end-user at the Project site		

Name of the Supplier:

Signature & Stamp

Date

