

**Khwaja Fareed University of Engineering &
Information Technology, Rahim Yar Khan**



Tender Document

Tender No. Lab-093

**Supply & Installation of Lab. Equipment for Chemical
Engineering Department**

at

**Khwaja Fareed University of Engineering
& Information Technology
Rahim Yar Khan**

TENDER DOCUMENT

TENDER No. Lab-093

Supply & Installation of Lab. Equipment for Chemical Engineering Department

at

Khwaja Fareed University of Engineering and Information Technology

TENDER PRICE Rs. 3000/-

Last date of submission: _____

FOR OFFICE USE ONLY

Serial No _____

Sold to: M/S _____

Date of Sale _____

Bank Challan No. _____

Date _____

1. Overview

Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan intends to purchase “**Supply & Installation of Lab. Equipment for Chemical Engineering Department**” as provided at **Annex ‘A’**. The supplier will be responsible for Supply, delivery, commissioning of all specified items, wherever required, at the Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan. This document provides complete instructions for bidders intending to participate in this Tender.

2. Instructions for Bidders

2.1. Response to the Tender (Bid) should be submitted in one part which shall include two separately sealed envelopes of **Technical Proposal** and **Financial Proposal** before **10:30 AM** on **27-04-2018**. Technical Proposals will be opened on same day at **11:00 AM** in the presence of representatives of responding bidders, if any, and Financial Proposals will be opened after completion of technical evaluation. The exact time and place for opening of financial proposals will be informed to technically qualified bidders.

2.2. Responding bidder shall deliver two sealed copies of the bid. Each copy being physically separate, bound, sealed and labeled. Proposals shall be delivered at the address given below.

Procurement Department

**Khwaja Fareed University of Engineering & Information Technology
Abu Dhabi Road, Rahim Yar Khan.**

Tel. # 068-5882420

2.3. Any queries regarding this proposal should be directed to the designated Technical Contact Person listed below.

Engr. Dr. Javed Iqbal, HoD Chemical Engineering Department

Email: javed.iqbal@kfueit.edu.pk, Tel. # 068-5882464

2.4. All bids must be submitted by filling the **Annex ‘B’**. Same should be enclosed in the financial proposal. Bidder must use the same numbers and labels used in this Request for Proposal.

2.5. The original Tender Document duly signed and officially sealed by the bidder must be submitted in whole with the proposals. Any conditional, ambiguous, incomplete, supplementary or revised offer after the opening of tender shall not be entertained.

3. Technical Proposal Format

Bidders are required to include the following documents/information in their technical proposals in the order given below:

- i. The Name and Address
- ii. Profile of company (Including Financial Profile)
- iii. List of Previous/Current customers of related designing, composing and printing of prospectus, with contact person and telephone/fax numbers.
- iv. Detailed product design information
- v. Copy of National Tax Registration Certificate
- vi. Copy of Sales Tax Registration Certificate
- vii. Bank letter of financial standing
- viii. An affidavit on Rs 100/- Stamp Paper that currently they are not black listed or debarred by any Government/Semi-Government Department to participate in bidding and to supply equipment. Failure to submit such affidavit may lead to disqualification.
- ix. Any additional information the bidder may like to furnish e.g. repair/maintenance other concerned facility
- x. Detailed item specifications matched corresponding to the BOQ as given at **Annex 'A'**
- xi. Detailed project implementation schedule/Completion Schedule which includes the delivery of items mentioned in the BOQ
- xii. Signed and stamped Tender document
- xiii. Bank Draft of the Earnest Money

4. Financial Proposal Format

Financial Proposal must include the following in the order given below:

- i. Equipment prices duly entered on the form in the attached BOQ
- ii. Validity period of the quoted price
- iii. Any other Terms and Conditions

5. Terms & Conditions

- 5.1. This invitation for bids is open to all national original Manufacturers/ Distributors/Suppliers in Pakistan for Supply of Lab Equipment.
- 5.2. All prices should be quoted in Pak Rupees and inclusive of all Government Taxes & Levies.
- 5.3. A bank draft equal to 2% of the estimated cost should accompany the Tender as **Earnest Money** drawn in favor of **KFUEIT Rahim Yar Khan**. The Tender shall not be considered without Earnest Money. Bank guarantee will not be accepted. Bank draft for Earnest Money should be placed with the Technical proposal.
- 5.4. Earnest Money for bidders not selected will be returned a minimum of two weeks after announcement of award and returned to successful bidder after signing the contract. If the selected bidder fails to sign the contract within stipulated time, Earnest Money will be forfeited.
- 5.5. A Bank draft of 5% of the total amount as **Performance Guarantee** will be provided by the supplier in favor of KFUEIT, Rahim Yar Khan within 10 days after signing of the contract on judicial stamp paper of the value 0.25 % of total cost of purchase order which shall remain valid for 12 months beyond delivery period. This performance guarantee will be released after the completion of warranty/guarantee period, along with the satisfactory completion report by the Head of Chemical Engineering Department and inspection committee which will be intimated to the Seller and the Director Procurement KFUEIT, Rahim Yar Khan for their onward issuance of No Objection Certificate (NOC) for the release of performance guarantee.
- 5.6. KFUEIT Rahim Yar Khan reserves the right to accept / reject any or all proposals without assigning any reason thereof.
- 5.7. The quantity of an order may vary depending on the quoted prices and the allocated funds.
- 5.8. The decision of the KFUEIT procurement committee will be binding on all concerned and will in no case be challenged in any forum.
- 5.9. KFUEIT Rahim Yar Khan reserves the right to modify the conditions / specifications of the Tender Document with written intimation to all the participants who have purchased the Tender Document.
- 5.10. Delivery period will be 45 days from the date of issuance of purchase order/supply order.

- 5.11.** Delivery shall be completed according to the agreed upon schedule.
- 5.12.** In case the selected bidder fails to execute the contract strictly in accordance with the terms and conditions laid down in the contract, the Performance Guarantee shall be forfeited.
- 5.13.** The University will get the item inspected at KFUEIT Rahim Yar Khan and reject the item, if not found according to the stated specifications.
- 5.14.** The University reserves the right to claim compensation for the losses caused by delay in the delivery of equipment.
- 5.15.** It is the sole responsibility of the bidder to comply with local, national and international laws.
- 5.16.** In case any supplies/material is found not in conformity with the specifications provided in the tender, either on account of inferior quality, defective workmanship, faulty design, faulty packing or is short supplied, or wrongly supplied, the supplier will replace the same free of charges or pay the full cost of replacement.
- 5.17.** All the proposals submitted will become the property of the University.
- 5.18.** All prices should be valid for at least 60 days. Withdrawal or any modification of the original offer within the validity period shall entitle the KFUEIT Rahim Yar Khan to forfeit the Earnest Money in favor of the KFUEIT Rahim Yar Khan and/or putting a ban on the future inquires or taking any other suitable action against the bidder.
- 5.19.** Delivery of the items will be free of charge at Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan during the office hours with a copy of Delivery Challan.
- 5.20.** Items being ordered should be brand-new and according to order specification from the current production and covered under normal warranty/guarantee etc. as mentioned in the quote. Brochures mentioned and product details must be attached.

6. Tender Evaluation Criteria

All bids shall be evaluated on technical and financial merit. The Company Evaluation Criteria is attached at **Annex 'C'** for reference. Technical evaluation process may include, but not limited to the consideration of the following with respect to the functional requirements given ahead:

- a. Technical specifications of proposed item
- b. Company Profile

- I. Age of the company
- II. Financial strength of the bidder

Financial Evaluation process will be based on the consideration of the quoted price.

7. Undertaking

On behalf of the company it is certified that we agree to the all the Instructions and Terms & Conditions given in this Tender Document

Name of bidder.....

Authorized person.....

Authorized signature.....

Stamp.....

Office Address.....

Tel No

Fax No

Supply & Installation of Lab. Equipment for Chemical Engineering Department

Sr. No	Item Name	Specifications/Minimum Requirements	Qty.
01	Free & Forced Convection unit	<p>Specification & Technical Data: (Equivalent or Better)</p> <ul style="list-style-type: none"> ▪ investigate heat transfer in the air duct by forced convection ▪ study of free convection ▪ air duct with axial fan ▪ 4 heating elements with different geometries ▪ continuously adjustable heating power and fan power ▪ display of temperatures, heating power and air velocity in the software ▪ microprocessor-based instrumentation ▪ educational software, data acquisition, system operation <p>Technical Data</p> <ul style="list-style-type: none"> ▪ Air duct <ul style="list-style-type: none"> ❖ flow cross-section: 120x120mm ❖ height: approx. 0,6m ▪ Heating elements, temperature limitation: 90°C <ul style="list-style-type: none"> ▪ tube bundle <ul style="list-style-type: none"> ❖ number of tubes: 23 ❖ one tube in variable position is heated ❖ heating power: 20W ❖ heat transfer area: 0.001m² ▪ cylinder with an even temperature at the surface <ul style="list-style-type: none"> ❖ heating power: 20W ❖ heat transfer area: 0,0112m² plate <ul style="list-style-type: none"> ❖ heating power: 40W ❖ heat transfer area: 2x 0,01m² ▪ cylinder with heating foil to investigate the local heat transfer <ul style="list-style-type: none"> ❖ heating power: 40W ❖ heat transfer area: 0.0112m² ▪ Axial fan <ul style="list-style-type: none"> ❖ max. flow rate: 500m³/h ❖ max. pressure difference: approx. 950Pa ❖ power consumption: 90W ▪ Measuring ranges <ul style="list-style-type: none"> ❖ air velocity: 0...10m/s ❖ temperature: 4x 0...325°C ❖ heating power: 0...50W 	01

02	Rising & Falling Film Evaporator	<p>Specification & Technical Data: (Equivalent or Better)</p> <ul style="list-style-type: none"> ▪ rising film evaporator for increasing the concentration of temperature-sensitive solutions ▪ stainless steel steam-heated single pipe evaporator ▪ control valve for adjustment of steam flow via PID controller ▪ Vacuum pump and vacuum controller to reduce the evaporation temperature ▪ separation of concentrated solution and evaporated solvent using glass cyclone ▪ glass condenser for condensation of removed solvent vapor ▪ stainless steel feed tank ▪ glass tanks for concentrate and condensate ▪ measurement of flow rate, pressure and temperature ▪ Rising film evaporator <p>heat transfer surface: approx. 0.08m² length: approx. 1.2m</p> <ul style="list-style-type: none"> ▪ Control valve: Steam Flow Control Valve ▪ Vacuum pump <p>final vacuum: approx. 100mbar flow rate: approx. 90L/min</p> <ul style="list-style-type: none"> ▪ Vacuum controller: -100...0kPa Condenser for solvent vapor ▪ heat transfer surface: approx. 0.2m² ▪ Tanks ❖ feed: approx. 30L ❖ concentrate, condensate: approx. 10L each ▪ Measuring ranges ❖ temperature: 7x 0...300°C ❖ pressure: -1...1bar; 0...6bar (abs); 0...10bar ❖ flow rate: 2...36L/h; 0...1000L/h ❖ 230V, 50Hz, 1 phase 	01
03	Film and drop wise condensation	<p>Specification & Technical Data: (Equivalent or Better)</p> <ul style="list-style-type: none"> ▪ Visual observation of film-wise and dropwise condensation, as well as nucleate boiling ▪ Determination of heat flux and heat transfer coefficients in both films ▪ Relation between saturation pressure and temperature for water up to 100°C ▪ Study on the effect of presence of air in the condensers ▪ Demonstration of Daltons Law 	01
04	Batch Distillation Unit	<p>Specification & Technical Data: (Equivalent or Better)</p> <ul style="list-style-type: none"> ▪ Distillation with packed and sieve tray column ▪ interchangeable columns 	01

		<ul style="list-style-type: none"> ▪ sieve tray column with 8 trays, 3 feed inlets ▪ packed column with Raschig rings ▪ vacuum mode possible with water jet pump ▪ electrically heated evaporator ▪ tanks for feed, bottom and top product ▪ heat exchanger for bottom product cooling due to feed preheating or cooling water ▪ condenser and phase separation tank for top product ▪ all tanks made of glass and stainless steel ▪ adjustment of reflux ratio using valves ▪ 8 temperature sensors per column <p>Technical Data</p> <ul style="list-style-type: none"> ▪ Columns ❖ internal diameter: 50mm ❖ height: 780mm ▪ Feed pump ❖ max. flow rate: 200mL/min ❖ Water jet pump: final vacuum: approx. 200mbar ▪ Tanks ❖ feed: 2x approx. 5L ❖ bottom product: 2x approx. 4L ❖ top product: approx. 1.5L ❖ phase separation: approx. 0.5L ▪ Heat transfer surfaces ❖ feed preheating/bottom ❖ cooling: approx. 0.03m² ❖ top product condenser: approx. 0.04m² ▪ Measuring ranges ❖ temperature: 16 x 0...150°C ❖ reflux ratio: 0...100% ❖ heating power: 0...4kW ❖ column differential pressure: 0...250mbar ❖ cooling water flow rate: 30...320L/h ❖ system pressure gauge: -1...0.6bar 	
05	Liquid-Liquid Extraction Apparatus	<p>Specification & Technical Data: (Equivalent or Better)</p> <ul style="list-style-type: none"> ▪ liquid-liquid extraction in counter flow operation ▪ operation as continuous or discontinuous process using 2 three-way valves ▪ glass extraction column ▪ distillation column and distillation bridge with condenser ▪ Vacuum operation possible for reduction of evaporation temperature during distillation ▪ Tanks for feed, solvent, raffinate, extract and top product 	01

		<p>(distillation)</p> <ul style="list-style-type: none"> ▪ 2 pumps to deliver the feed and solvent ▪ 2 valves for adjusting the phase boundary ▪ distillation column packed with Raschig rings 	
06	Tray Dryer, 3 kw, 0.3 – 1.8 m/s	<p>Specification & Technical Data: (Equivalent or Better)</p> <ul style="list-style-type: none"> ▪ Dryer for investigating convection drying solids ▪ Drying on 4 corrosion resistant plates in a drying channel with an air flow ▪ Adjustment of air velocity via speed of fan ▪ Air heating with controlled heater ▪ Digital balance for measuring the change of weight during drying ▪ 1 combined sensor for measurement of humidity & temperature before and after ▪ 1 air velocity sensor <p>Technical data</p> <ul style="list-style-type: none"> ▪ Drying Channel ❖ Length: 2350mm (with fan) ❖ Internal dimensions: 350*350mm ❖ 4 drying plates: 398*320mm ▪ Fan ❖ Power: 33W ❖ Max. output: 700m³/h ❖ Max. speed: 950 /min ▪ Heater with adjustable temperature ▪ Balance with variable measuring range and different temperature application <p>Adjustable measuring ranges of Humidity, Temperature, and Air velocity</p>	01
07	Water Cooling Tower	<p>Specification & Technical Data: (Equivalent or Better)</p> <ul style="list-style-type: none"> ▪ Bench top unit Water propeller pump, ▪ Maximum flow of water of 110-120l/h 3 ▪ Air propeller with a fan with speed control (145m/h. Max, 3000rpm) ▪ Heating resistance (60°C max.) ▪ Water tank (14 liter capacity), with water level gauge ▪ On/off level switch for filling the tank ▪ Flow meter: range: 0-2 lit/min 2 inclined manometers: 250-300mm length ▪ Column type B ▪ No. Of levels. 8 ▪ No. Of sheets by level: 7~10 ▪ Total surface: 1-1.5m 	01

08	Gas Absorption Column	<p>Specification & Technical Data: (Equivalent or Better)</p> <ul style="list-style-type: none"> ▪ Separation of CO₂/air mixture by absorption in counter-flow with water ▪ Production of gas mixture using CO₂ from compressed gas cylinder and ambient air ▪ Adjustment of mixing ratio using valves <p>Compressor for delivering the gas mixture into the absorption column</p> <ul style="list-style-type: none"> ▪ Glass absorption column (packed with Raschig rings) and desorption column ▪ Continuous solvent regeneration in circuit with desorption column under vacuum ▪ 1 pump for desorption column and 1 pump for returning solvent to absorption column ▪ Water temperature control with heater and refrigeration system 	01
09	Pressure Controller with PLC panel & complete assembly	Pressure Controller with PLC panel & complete assembly	01
10	Temperature Controller with PLC panel & complete assembly	Temperature Controller with PLC panel & complete assembly	01
11	Flow Controller with PLC panel & complete assembly	Flow Controller with PLC panel & complete assembly	01
12	Level Controller with PLC panel & complete assembly	Level Controller with PLC panel & complete assembly	01
13	Dew Point Hygrometer	ASTM Standard Bench Top (Equivalent or Better)	01
14	Heavy Duty Muffle Furnace	240 V 1200° C, Three stage programmable Temperature control (Equivalent or Better)	01
15	Adiabatic Gas Law Apparatus	Adiabatic Gas Law Apparatus	01
16	Mechanical Equivalent of Heat Apparatus	Mechanical Equivalent of Heat Apparatus	01
17	Thermal Expansion Apparatus	Thermal Expansion Apparatus	01
18	Pressure Measuring Apparatus	Pressure Measuring Apparatus	01

19	Boyle's Law Demonstration	Boyle's Law Demonstration	01
20	Calorimeter	Calorimeter	01
21	Abbe's Refractometer	Abbe's Refractometer	01
22	Polarimeter	Polarimeter	01
23	Variable Temperature Controller/Sealer	(Equivalent or Better) Sealing temperature range 125 - 200° C in 1° C increments Sealing time range 1 - 9 seconds in 0.5 second increments Warm up time to 170° C < 10 minutes Power supply 100 - 230 VAC nominal Dimensions (mm) 210 X 300 X 430 (W X D X H) Weight 7.5 kg	01
24	Ultrasonic Bath/Cleaner with Timer 2L	(Equivalent or Better)	01
25	Hot Plates with magnetic Stirrer	(Equivalent or Better) Top plate Surface-D 7.25 (18.4cm) Heating Surface Material-Ceramic Top plate surface W-7.25 (18.4cm) Hertz-50/60 Operating Temp Range-C 5 °C - 540 °C Stirring Speed Range- 60 to 1200	01
26	Kneader Mixer,	Capacity 2-5 kg (Equivalent or Better)	01
27	Jaw Crusher	Capacity 2-25 kg/h (Equivalent or Better)	01
28	Paddle Mixer	Capacity 2-5 kg (Equivalent or Better)	01
29	Hammer Mill with Set of Screens	(Equivalent or Better) Rotor It consists of a series of disks, mounted on the driving shaft, and bearing hammers made so as to operate as blades too. Drive A.C. motor with inverter that permits the optimal selection of the rotation speed, according to the product. Continual speed regulation from 1100 to 2400 rpm.	01
30	Plate & Frame Filter Press	(Study Model) (Equivalent or Better)	01
31	Pebble Mill / Ball Mill with rpm control	Capacity 2-5 kg (Equivalent or Better)	01

32	Sieve Shaker	(Equivalent or Better) The motorized electromagnetic sieve shaker should be activated by electromagnetic impulses. The control panel should permit adjustment of the sieving time from 1 minute to 999 minutes. It should be also permit the adjustment of pause time between vibrations from 0 to 5 second. The sieve shaker holds should be up to ten sieves of any of the nesting size: 200mm, 25mm, 300mm, or 315mm diameter (or 8 inches, 10 inches and 12 inches diameter).	01
33	Magnetic Separator	Laboratory Scale, Capacity 2-10 kg (Equivalent or Better)	01
34	End Runner Mill	Capacity 2-5 kg (Equivalent or Better)	01
35	Edge Runner Mill	Capacity 2-5 kg (Equivalent or Better)	01
36	Pensky Marten Closed Cup Equipment	Flash Point Apparatus	01
37	Redwood Viscometer I & II	Standard, Laboratory Scale, Bench Top (Equivalent or Better)	01
38	Cannon CT 500F Viscometer	Standard, Laboratory Scale, Bench Top (Equivalent or Better)	01
39	Smoke Point Apparatus, Standard	Laboratory Scale, Bench Top (Equivalent or Better)	01
40	Engler Viscometer, Standard	Laboratory Scale, Bench Top (Equivalent or Better)	01
41	Saybolt Viscometer, Standard	Laboratory Scale, Bench Top (Equivalent or Better)	01
42	Cloud point & Pour point apparatus	Standard, Laboratory Scale, Bench Top (Equivalent or Better)	01
43	Bomb Calorimeter	Standard, Laboratory Scale, Bench Top (Equivalent or Better)	01

**Supply & Installation of Lab. Equipment for Chemical Engineering Department
(Bid Form)**

Sr. No.	Item Name	Qty.	Unit Rate	Total Price (inclusive of all taxes, installation and Shipment charges)
01	Free & Forced Convection unit	01		
02	Rising & Falling Film Evaporator	01		
03	Film and drop wise condensation	01		
04	Batch Distillation Unit	01		
05	Liquid-Liquid Extraction Apparatus	01		
06	Tray Dryer, 3 kw, 0.3 – 1.8 m/s	01		
07	Water Cooling Tower	01		
08	Gas Absorption Column	01		
09	Pressure Controller with PLC panel & complete assembly	01		
10	Temperature Controller with PLC panel & complete assembly	01		
11	Flow Controller with PLC panel & complete assembly	01		
12	Level Controller with PLC panel & complete assembly	01		
13	Dew Point Hygrometer	01		
14	Heavy Duty Muffle Furnace	01		

15	Adiabatic Gas Law Apparatus	01		
16	Mechanical Equivalent of Heat Apparatus	01		
17	Thermal Expansion Apparatus	01		
18	Pressure Measuring Apparatus	01		
19	Boyle's Law Demonstration	01		
20	Calorimeter	01		
21	Abbe's Refractometer	01		
22	Polarimeter	01		
23	Variable Temperature Controller/Sealer	01		
24	Ultrasonic Bath/Cleaner with Timer 2L	01		
25	Hot Plates with magnetic Stirrer	01		
26	Kneader Mixer,	01		
27	Jaw Crusher	01		
28	Paddle Mixer	01		
29	Hammer Mill with Set of Screens	01		
30	Plate & Frame Filter Press	01		
31	Pebble Mill / Ball Mill with rpm control	01		
32	Sieve Shaker	01		

33	Magnetic Separator	01		
34	End Runner Mill	01		
35	Edge Runner Mill	01		
36	Pensky Marten Closed Cup Equipment	01		
37	Redwood Viscometer I & II	01		
38	Cannon CT 500F Viscometer	01		
39	Smoke Point Apparatus, Standard	01		
40	Engler Viscometer, Standard	01		
41	Saybolt Viscometer, Standard	01		
42	Cloud point & Pour point apparatus	01		
43	Bomb Calorimeter	01		

TOTAL: _____

Total In Words: _____

Company Evaluation Criteria

1. Basic Evaluation

- i. Profile of company (Including Financial Profile)
- ii. List of Previous/Current customers of related Supplies, with contact person and telephone/fax numbers (attach purchase order copies).
- iii. Detailed product design information
- iv. Copy of National Tax Registration Certificate
- v. Copy of Sales Tax Registration Certificate
- vi. Bank letter of financial standing/Bank Statement
- vii. An affidavit on Rs 100/- Stamp Paper that currently they are not black listed or debarred by any Government/Semi-Government Department to participate in bidding and to supply equipment. Failure to submit such affidavit may lead to disqualification.
- viii. Detailed item specifications matched corresponding to the BOQ as given at **Annex 'A'**
- ix. Completion Schedule which includes the delivery of items mentioned in the BOQ
- x. Signed and stamped Tender document

2. Detailed Evaluation

(Minimum Passing Score Required is 65 Points)

DETAILED EVALUATION CRITERIA FOR TENDER			
Specifications are available at Annex-A			
Sr. No	Item Name and Description	Marks	Max Marks
1	Past Performance/Experience of the Bidder (Reg. with GST/NTN)	--	10
1.1	1 – 3 year experience	2	--
1.2	4 – 8 year experience	4	--
1.3	9 – 15 years' experience	6	--
1.4	Above 15	10	--
2	Relevant Experience	--	10
2.1	1 – 5 years' experience	3	--
2.2	6 – 10 years' experience	6	--
2.3	11 and above year experience	10	--
3	Financial Position/ Status	--	10
3.1	Last sales tax paid Form	4	--
3.2	Bank Certificate (satisfactory)	2	--
3.3	Statement Worth (Min 2 m)	4	--
4	After Sale Services Available	--	10
5	Technical Evaluation of quoted items	--	60
5.1	Specification matched as provided in Annex-A	30	
5.2	Literature in printed shape attached	2.5	
5.3	Reliability	2.5	
5.4	Delivery schedule as per need	5	
5.5	List of clients / where this equipment delivered	5	
5.6	Satisfactory letter from clients in favour of such equipment	5	
5.7	Guarantee / Warranty (as the case may be)	5	
5.8	Provision of Training to concerned user	2.5	
5.9	Free Installation (if required) as per requirement	2.5	
Total		--	100