

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



RE-Tender Document

Tender No. Misc-176

Supply of Chemicals

at

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

RE-TENDER DOCUMENT

TENDER No. Misc-176

Supply of Chemicals

at

Khwaja Fareed University of Engineering and Information Technology

TENDER PRICE Rs. 2,000/-

Last date of submission: 02-07-2020

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 “**Supply of Chemicals**” as provided at **Annex ‘A’**. The supplier will be responsible for Supply, delivery and commissioning of chemicals, 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 **11:30 AM** on **02-07-2020**. Technical Proposals will be opened on same day at **12:00 PM** 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.

Dr. Aamir Alaudin, Director Procurement

Procurement Department

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

Tel. # 068-5882460

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

Dr. Ghulam Hasnain Tariq, Assistant Professor, In charge Physics Research Lab, Department of Physics, KFUEIT, Rahim Yar Khan

Cell# 0334-8707991, Email: Hasnain.tariq@kfueit.edu.pk

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 Re-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
- iii. List of Previous/Current customers of related supply.
- iv. Detailed product 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. Detailed item specifications matched corresponding to the BOQ as given at **Annex 'A'**
- x. Detailed product delivery schedule/Completion Schedule which includes the delivery of items mentioned in the BOQ
- xi. Signed and stamped Re-Tender document
- xii. 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

5. Terms & Conditions

5.1. This invitation for bids is open to all national original Manufacturers/Distributors/Suppliers in Pakistan for supply.

- 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 decision of award of contract along with judicial stamp paper of the value 0.25 % of total cost 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 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. The quantity of an order may vary depending on the quoted prices and the allocated funds.
- 5.7. The decision of the KFUEIT procurement committee will be binding on all concerned and will in no case be challenged in any forum.
- 5.8. 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.
- 5.9. Delivery period will be as per contract agreement and terms & conditions of purchase order/supply order.
- 5.10. Delivery shall be completed according to the agreed upon schedule as per contract agreement and terms & conditions of purchase order/supply order.
- 5.11. 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.

- 5.12. The University will get the item inspected at KFUEIT Rahim Yar Khan and reject the item, if not found according to the stated specifications.
- 5.13. The University reserves the right to claim compensation for the losses caused by delay in the delivery of equipment.
- 5.14. It is the sole responsibility of the bidder to comply with local, national and international laws.
- 5.15. In case any supplies/chemicals 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.
- 5.16. All the proposals submitted will become the property of the University.
- 5.17. All prices should be valid for at least 120 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/chemicals 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.

6. Tender Evaluation Criteria

All bids shall be evaluated on technical and financial merit. The Company Evaluation Criteria is attached at **Annex 'D'** 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/chemicals
- 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 of Chemicals

Sr. No.	Specifications/Minimum Requirements	Unit of Measure	Total Quantity
01	Hydrochloric Acid, HCL, (Sigma)	Liter	2.5
02	Potassium Permanganate, KMnO ₄ , (Sigma)	Kg	01
03	Ammonium Chloride, NH ₄ CL, (Sigma)	Kg	01
04	Ammonium Hydroxide, NH ₄ OH, (Sigma)	Liter	2.5
05	Nickel Chloride hexahydrate or Nickel chloride, Nickel (II) chloride hexahydrate, dichloronickel hexahydrate, Nickel chloride hexahydrate, (Sigma)	Gram	1,000
06	Copper turnings, (Sigma)	Gram	1,000
07	Sodium hydroxide, NaOH, (Sigma)	Kg	01
08	Sodium Sulfide (Na ₂ S), Disodium monosulfide, NaS, or Na ₂ S, (Sigma)	Kg	01
09	Zinc Chloride, (Sigma)	Kg	01
10	Sodium Chloride, NaCL, (Sigma)	Kg	01
11	Ethanol, (Sigma)	Liter	05
12	Potassium Nitrate (KNO ₃), (Sigma)	Kg	01
13	Acetic Acid, (Sigma)	Liter	2.5
14	Iron Chloride, Ferrous Chloride, Iron (II) Chloride, Iron Dichloride, Iron Chloride (FeCl ₂), FeCl ₂ , (Sigma)	Kg	01
15	Silver Nitrate, AgNO ₃ , (Sigma)	Gram	50
16	Sodium bicarbonate, (Sigma)	Kg	01
17	Potassium Hydro Oxide, KOH, (Sigma)	Kg	01
18	Oxalic Acid Dihydrate, (Sigma)	Kg	01

Sr. No.	Specifications/Minimum Requirements	Unit of Measure	Total Quantity
19	Citric Acid, (Sigma)	Kg	01
20	Aniline (C ₆ H ₅ NH ₂), (Sigma)	Liter	01
21	N.N Dimethylformamide, Dimethylformamide, C ₃ H ₇ NO or HCON(CH ₃) ₂ , (Sigma)	Liter	2.5
22	Anhydrous ferric chloride (FeCl ₃), (Sigma)	Gram	100
23	Cobalt nitrate, COBALTOUS NITRATE, Cobalt (II) nitrate, Cobalt dinitrate, Co(NO ₃) ₂ or CoN ₂ O ₆ , (Sigma)	Gram	500
24	Lead Chloride, (Sigma)	Gram	50
25	Aluminum Foil 37.5sqft	Roll	02
26	Diammonium hydrogen phosphate, Ammonium Phosphate Dibasic EP, Diammonium hydrogen phosphate, DIAMMONIUM PHOSPHATE, (NH ₄) ₂ HPO ₄ or (NH ₄) ₃ PO ₄ or H ₉ N ₂ O ₄ P, (Sigma)	Kg	01
27	L-ascorbic Acid (AA), (Sigma)	Kg	01
28	Phosphoric Acid, (Sigma)	Liter	2.5
29	Thiourea, (Sigma)	Kg	01
30	Ni Nitrate, NICKEL NITRATE, Nickel (II) nitrate, Nickel dinitrate, (Sigma)	Kg	01
31	Urea (CH ₄ N ₂ O), (Sigma)	Kg	01
32	Selenium (Se), (Sigma)	Gram	100
33	Ferric Nitrate non-hydrated, (Sigma)	Kg	01
34	Iron (III) Nitrate Nona hydrate, Ferric nitrate nona-hydrate, Ferric nitrate, nona-hydrate, Fe(NO ₃) ₃ ·9H ₂ O, FeH ₁₈ N ₃ O ₁₈ , (Sigma)	Kg	01
35	Mercury Sulfide, (Sigma)	Kg	0.050
36	Chitosan	Gram	25

Sr. No.	Specifications/Minimum Requirements	Unit of Measure	Total Quantity
37	Polyethylene glycol (PEG), (Sigma)	Gram	1,000
38	Silver Chloride-AgCl, (Sigma)	Gram	40
39	Boric Acid, (Sigma)	Gram	1,000
40	Sodium borohydride (NaBH ₄), sodium tetrahydridoborate, (Sigma)	Gram	200
41	Calcium nitrate tetra hydrate, (Sigma)	Gram	1,000
42	Cetyltrimethylammonium bromide (Cetrimonium bromide [(C ₁₆ H ₃₃)N(CH ₃) ₃]Br, hexadecyltrimethylammonium bromide), (Sigma)	Gram	100
43	Ethylene glycol, (Sigma)	Liter	2.5
44	Graphite Powder/flakes, (Sigma)	Kg	0.500
45	Manganese II acetate tetrahydrate, Mn(NO ₃) ₂ , 4H ₂ O	Gram	500
46	Oleyl amine, (Merck)	Gram	100
47	Sodium acetate (NaAc 3H ₂ O), (Sigma)	Kg	01
48	Sodium Selenite, (Sigma)	Gram	25
49	Sodium tungstate dehydrate (Na ₂ WO ₄ .2H ₂ O), (Sigma)	Gram	500
50	Titanium (IV) oxide, Titania, Titanium dioxide, TiO ₂ Powder, (Sigma)	Gram	100
51	Acetone, (Sigma)	Liter	05
52	2-methoxyethanol [(CH ₃ O(CH ₂) ₂ OH), (Sigma)	ml	250
53	Hydrogen per Oxide, (Sigma)	Liter	01
54	Oleic Acid, (Sigma)	Liter	0.002
55	Cesium Chloride CAS # 7647-17-8 (Cesium monochloride, Dicesium dichloride)	Gram	50

Sr. No.	Specifications/Minimum Requirements	Unit of Measure	Total Quantity
56	Diethylene glycol, (Sigma)	Liter	01
57	Titanium Nitrate, (Sigma)	Gram	100
58	Methylene blue, methyleneBlueHydrate, methylene Blue trihydrate, C16H18ClN3S, (Sigma)	Gram	25
59	Antimony trichloride (SbCl ₃), (Sigma)	Gram	250
60	Auric Acid (Tetra chloroauric acid trihydrate), (Sigma)/(Aldrich)	Gram	01
61	Manganese, Mn Metal (powder), (Sigma)	Gram	250
62	Cobalt Metal (powder), (Sigma)	Gram	100
63	FeO (Ferrus Oxide), (Sigma)	Gram	100
64	Zinc acetate dihydrate [Zn(CH ₂ COO) ₂ ·2H ₂ O], (Sigma)	Gram	200
65	Zinc nitrate hexahydrate, Zn(NO ₃) ₂ ·6H ₂ O, (Sigma)	Gram	200
66	Zinc Carbonate (ZnCO ₃), (Sigma)	Gram	200
67	TiO ₂ Titanium Dioxide (nanoparticles), (Sigma)	Gram	100
68	Cerium nitrate hexahydrate, (Sigma)	Gram	10
69	Samarium nitrate hexahydrate, (Sigma)	Gram	25
70	Samarium (III) chloride	Gram	05
71	Copper oxide (Cu ₂ O), (Sigma)	Gram	200
72	Magnesium oxide (MgO), (Sigma)	Gram	200
73	Monoethanolamine [(HOCH ₂ CH ₂) NH ₂]	Liter	01
74	Ammonium persulfate, (Sigma)	Gram	500
75	Polytetrafluoroethylene hano powder	Gram	100

Sr. No.	Specifications/Minimum Requirements	Unit of Measure	Total Quantity
76	Nickel Foam (300mm x 300 mm x 1.6 mm)	Sheet	10
77	Cadmium sulfide (CdS), (Sigma)	Gram	25
78	Cadmium telluride (CdTe), (Sigma)	Gram	25
79	Zinc telluride, (Sigma)	Gram	20
80	Tin sulfide, (Sigma)	Gram	05
81	Bi ₂ S ₃ (Bismuth (III) sulfide), (Sigma)	Gram	05
82	Antimony sulfide (Sb ₂ S ₃), Lymphoscan Stibnite, ANTIMONY TRISULFIDE, Black antimony, (Sigma)	Gram	25
83	Copper sulfide (Cu ₂ S), CuS, Kupfer (II)-sulfid, (Sigma)	Gram	25
84	CuNO ₃ , (Sigma)	Kg	01
85	AlNO ₃ , (Sigma)	Kg	01
86	Lead Iodide PbI ₂ , 12Pb, Lead (II) iodide, Lead diiodide, Plumbous iodide, (Sigma)	Gram	01
87	Silver Iodide, (Sigma)	Gram	25
88	Cesium Iodide, (Sigma)	Gram	25
89	Isopropanol (IPA), Isopropyl alcohol, isopropanol, 2-Propanol, Propan-2-ol C ₃ H ₈ O or CH ₃ CHOHCH ₃ or (CH ₃) ₂ CHOH, (Sigma)	Liter	2.5
90	DI water or Deionization ("DI Water" or "Demineralization")	Liter	10
91	Tin Nitrate, (Sn(NO ₃) ₂ ·xH ₂ O), 1,3,5,7-Tetraoxa-2,6-diazonia-4-stannaspiro [3.3] heptane 2,6-dioxide; dinitrate, (Sigma)	Gram	100
92	Tin dichloride, Dichlorotin, tin Protochloride, Tin chloride (SnCl ₂), Tin(II)Chloride, (Sigma)	Gram	500
93	Tin acetate, (Sn(CH ₃ COO) ₂ ·xH ₂ O), C ₄ H ₆ O ₄ Sn, tin (II) acetate, Stannous acetate, (Sigma)	Gram	500
94	Titanium isopropoxide, or (C ₁₂ H ₂₈ O ₄ Ti), Titanium (IV) isopropoxide, Titanium tetraisopropanolate, Tetraisopropyl orthotitanate, (Sigma)	ml	100

Sr. No.	Specifications/Minimum Requirements	Unit of Measure	Total Quantity
95	Iron (III) chloride hexahydrate, (C13FeH12O6), Titanium (IV) isopropoxide, Titanium tetraisopropanolate, Tetra isopropyl orthotitanate, (Sigma)	Kg	01
96	Cesium Bromide	Gram	50
97	3-aminopropyltrimethoxysilane (APTS) (98.0%), (Merck)	ml	100
98	4-aminoantipyrine, 98% (AAP)	Gram	100
99	Acetylcholine chloride, (Sigma)	ml	25
100	Aluminum Metal Powder, (Sigma)	Gram	250
101	Aluminum Sulphate, (Sigma)	Gram	500
102	Calcium acetate, (Sigma)	Kg	01
103	Calcium acetate hydrate, (Sigma)	Kg	01
104	Calcium Carbonate (CaCo3), (Sigma)	Kg	01
105	Carbon Cloth (10cm x 10cm), (Sigma)	Sheet	05
106	Ciprofloxacin Hydrochloride (C17H19ClFN3O3)	Gram	100
107	Cupric Chloride hexahydrated, (Sigma)	Kg	01
108	Laboratory Glassware Dryer	No.	01
109	Gold (III) chloride, Gold Trichloride, Auric chloride, Gold chloride, (AuCl3), Auric trichloride, trichloro gold, (Sigma)	Gram	01
110	Indium tin oxide (ITO) coated glass plates 8-12 Ω/sq, Slide 10q+y/pkt, (Green Earth)	Pkt	03
111	Iron Acetylacetonate	Gram	100
112	Iron Metal Powder, (Sigma)	Kg	01

Sr. No.	Specifications/Minimum Requirements	Unit of Measure	Total Quantity
113	Lead Bromide, (Sigma)	Gram	100
114	Magnesium Hydroxide, (Sigma)	Kg	01
115	Mercury Nitrate, (Sigma)	Gram	50
116	Mercury telluride, (Sigma)	Gram	50
117	Mueller Hinton Agar media, (Sigma)	Gram	500
118	Nickel Metal (powder), (Sigma)	Gram	500
119	Polyethylene imine (PEI), (Sigma)	ml	250
120	Potassium ferricyanide (K ₃ Fe(CN) ₆), (Sigma)	Kg	01
121	Sodium dodecyl sulfate (SDS), (Sigma)	Kg	01
122	Succinic anhydride (99.0%), (Sigma)	Kg	01
123	Titanium Chloride, (Sigma)	Gram	250
124	Titanium Metal Powder, (Sigma)	Gram	100
125	Triethylamine, (Sigma)	Liter	2.5
126	pH paper	Pkt	03
127	Ultrasonic Bath Cleaner (capacity 6 L, Frequency: 40 KHz, Digital time controller, Ultrasonic power: 140-180W, Digital control Heating power: 150-200W)	No.	01

Supply of Chemicals (Bid Form)

Sr. No.	Item Name	Unit of Measure	Total Qty.	Price per Item (inclusive of all taxes and Shipment charges)	Total Amount (inclusive of all taxes and Shipment charges)
01	Hydrochloric Acid, HCL, (Sigma)	Liter	2.5		
02	Potassium Permanganate, KMnO ₄ , (Sigma)	Kg	01		
03	Ammonium Chloride, NH ₄ CL, (Sigma)	Kg	01		
04	Ammonium Hydroxide, NH ₄ OH, (Sigma)	Liter	2.5		
05	Nickel Chloride hexahydrate or Nickel chloride, Nickel (II) chloride hexahydrate, dichloronickel hexahydrate, Nickel chloride hexahydrate, (Sigma)	Gram	1,000		
06	Copper turnings, (Sigma)	Gram	1,000		
07	Sodium hydroxide, NaOH, (Sigma)	Kg	01		
08	Sodium Sulfide (Na ₂ S), Disodium monosulfide, NaS, or Na ₂ S, (Sigma)	Kg	01		
09	Zinc Chloride, (Sigma)	Kg	01		
10	Sodium Chloride, NaCL, (Sigma)	Kg	01		
11	Ethanol, (Sigma)	Liter	05		
12	Potassium Nitrate (KNO ₃), (Sigma)	Kg	01		
13	Acetic Acid, (Sigma)	Liter	2.5		
14	Iron Chloride, Ferrous Chloride, Iron (II) Chloride,	Kg	01		

Sr. No.	Item Name	Unit of Measure	Total Qty.	Price per Item (inclusive of all taxes and Shipment charges)	Total Amount (inclusive of all taxes and Shipment charges)
	Iron Dichloride, Iron Chloride (FeCl ₂), FeCl ₂ , (Sigma)				
15	Silver Nitrate, AgNO ₃ , (Sigma)	Gram	50		
16	Sodium bicarbonate, (Sigma)	Kg	01		
17	Potassium Hydro Oxide, KOH, (Sigma)	Kg	01		
18	Oxalic Acid Dihydrate, (Sigma)	Kg	01		
19	Citric Acid, (Sigma)	Kg	01		
20	Aniline (C ₆ H ₅ NH ₂), (Sigma)	Liter	01		
21	N.N Dimethylformamide, Dimethylformamide, C ₃ H ₇ NO or HCON(CH ₃) ₂ , (Sigma)	Liter	2.5		
22	Anhydrous ferric chloride (FeCl ₃), (Sigma)	Gram	100		
23	Cobalt nitrate, COBALTOUS NITRATE, Cobalt (II) nitrate, Cobalt dinitrate, Co(NO ₃) ₂ or CoN ₂ O ₆ , (Sigma)	Gram	500		
24	Lead Chloride, (Sigma)	Gram	50		
25	Aluminum Foil 37.5sqft	Roll	02		
26	Diammonium hydrogen phosphate, Ammonium Phosphate Dibasic EP, Diammonium hydrogen phosphate, DIAMMONIUM PHOSPHATE, (NH ₄) ₂ HPO ₄ or (NH ₄) ₃ PO ₄ or H ₉ N ₂ O ₄ P, (Sigma)	Kg	01		
27	L-ascorbic Acid (AA), (Sigma)	Kg	01		

Sr. No.	Item Name	Unit of Measure	Total Qty.	Price per Item (inclusive of all taxes and Shipment charges)	Total Amount (inclusive of all taxes and Shipment charges)
28	Phosphoric Acid, (Sigma)	Liter	2.5		
29	Thiourea, (Sigma)	Kg	01		
30	Ni Nitrate, NICKEL NITRATE, Nickel (II) nitrate, Nickel dinitrate, (Sigma)	Kg	01		
31	Urea (CH ₄ N ₂ O), (Sigma)	Kg	01		
32	Selenium (Se), (Sigma)	Gram	100		
33	Ferric Nitrate non-hydrated, (Sigma)	Kg	01		
34	Iron (III) Nitrate Nona hydrate, Ferric nitrate nona-hydrate, Ferric nitrate, nona-hydrate, Fe(NO ₃) ₃ ·9H ₂ O, FeH ₁₈ N ₃ O ₁₈ , (Sigma)	Kg	01		
35	Mercury Sulfide, (Sigma)	Kg	0.050		
36	Chitosan	Gram	25		
37	Polyethylene glycol (PEG), (Sigma)	Gram	1,000		
38	Silver Chloride-AgCl, (Sigma)	Gram	40		
39	Boric Acid, (Sigma)	Gram	1,000		
40	Sodium borohydride (NaBH ₄), sodium tetrahydridoborate, (Sigma)	Gram	200		
41	Calcium nitrate tetra hydrate, (Sigma)	Gram	1,000		
42	Cetyltrimethylammonium bromide (Cetrimonium bromide [(C ₁₆ H ₃₃)N(CH ₃) ₃]Br, hexadecyltrimethylammonium	Gram	100		

Sr. No.	Item Name	Unit of Measure	Total Qty.	Price per Item (inclusive of all taxes and Shipment charges)	Total Amount (inclusive of all taxes and Shipment charges)
	bromide), (Sigma)				
43	Ethylene glycol, (Sigma)	Liter	2.5		
44	Graphite Powder/flakes, (Sigma)	Kg	0.500		
45	Manganese II acetate tetrahydrate, Mn(NO ₃) ₂ , 4H ₂ O	Gram	500		
46	Oleyl amine, (Merck)	Gram	100		
47	Sodium acetate (NaAc 3H ₂ O), (Sigma)	Kg	01		
48	Sodium Selenite, (Sigma)	Gram	25		
49	Sodium tungstate dehydrate (Na ₂ WO ₄ .2H ₂ O), (Sigma)	Gram	500		
50	Titanium (IV) oxide, Titania, Titanium dioxide, TiO ₂ Powder, (Sigma)	Gram	100		
51	Acetone, (Sigma)	Liter	05		
52	2-methoxyethanol [(CH ₃ O(CH ₂) ₂ OH), (Sigma)	ml	250		
53	Hydrogen per Oxide, (Sigma)	Liter	01		
54	Oleic Acid, (Sigma)	Liter	0.002		
55	Cesium Chloride CAS # 7647-17-8 (Cesium monochloride, Dicesium dichloride)	Gram	50		
56	Diethylene glycol, (Sigma)	Liter	01		
57	Titanium Nitrate, (Sigma)	Gram	100		
58	Methylene blue, methyleneBlueHydrate,	Gram	25		

Sr. No.	Item Name	Unit of Measure	Total Qty.	Price per Item (inclusive of all taxes and Shipment charges)	Total Amount (inclusive of all taxes and Shipment charges)
	methylene Blue trihydrate, C16H18ClN3S, (Sigma)				
59	Antimony trichloride (SbCl ₃), (Sigma)	Gram	250		
60	Auric Acid (Tetra chlorauric acid trihydrate), (Sigma)/(Aldrich)	Gram	01		
61	Manganese, Mn Metal (powder), (Sigma)	Gram	250		
62	Cobalt Metal (powder), (Sigma)	Gram	100		
63	FeO (Ferrus Oxide), (Sigma)	Gram	100		
64	Zinc acetate dihydrate [Zn(CH ₂ COO) ₂ ·2H ₂ O], (Sigma)	Gram	200		
65	Zinc nitrate hexahydrate, Zn(NO ₃) ₂ ·6H ₂ O, (Sigma)	Gram	200		
66	Zinc Carbonate (ZnCO ₃), (Sigma)	Gram	200		
67	TiO ₂ Titanium Dioxide (nanoparticles), (Sigma)	Gram	100		
68	Cerium nitrate hexahydrate, (Sigma)	Gram	10		
69	Samarium nitrate hexahydrate, (Sigma)	Gram	25		
70	Samarium (III) chloride	Gram	05		
71	Copper oxide (Cu ₂ O), (Sigma)	Gram	200		
72	Magnesium oxide (MgO), (Sigma)	Gram	200		
73	Monoethanolamine [(HOCH ₂ CH ₂) NH ₂]	Liter	01		
74	Ammonium persulfate, (Sigma)	Gram	500		
75	Polytetrafluoroethylene hano powder	Gram	100		

Sr. No.	Item Name	Unit of Measure	Total Qty.	Price per Item (inclusive of all taxes and Shipment charges)	Total Amount (inclusive of all taxes and Shipment charges)
76	Nickel Foam (300mm x 300 mm x 1.6 mm)	Sheet	10		
77	Cadmium sulfide (CdS), (Sigma)	Gram	25		
78	Cadmium telluride (CdTe), (Sigma)	Gram	25		
79	Zinc telluride, (Sigma)	Gram	20		
80	Tin sulfide, (Sigma)	Gram	05		
81	Bi ₂ S ₃ (Bismuth (III) sulfide), (Sigma)	Gram	05		
82	Antimony sulfide (Sb ₂ S ₃), Lymphoscan Stibnite, ANTIMONY TRISULFIDE, Black antimony, (Sigma)	Gram	25		
83	Copper sulfide (CuS ₂), CuS, Kupfer (II)-sulfid, (Sigma)	Gram	25		
84	CuNO ₃ , (Sigma)	Kg	01		
85	AlNO ₃ , (Sigma)	Kg	01		
86	Lead Iodide PbI ₂ , 12Pb, Lead (II) iodide, Lead diiodide, Plumbous iodide, (Sigma)	Gram	01		
87	Silver Iodide, (Sigma)	Gram	25		
88	Cesium Iodide, (Sigma)	Gram	25		
89	Isopropanol (IPA), Isopropyl alcohol, isopropanol, 2-Propanol, Propan-2-ol C ₃ H ₈ O or CH ₃ CHOHCH ₃ or (CH ₃) ₂ CHOH, (Sigma)	Liter	2.5		
90	DI water or Deionization ("DI Water" or "Demineralization")	Liter	10		

Sr. No.	Item Name	Unit of Measure	Total Qty.	Price per Item (inclusive of all taxes and Shipment charges)	Total Amount (inclusive of all taxes and Shipment charges)
91	Tin Nitrate, (N ₄ O ₁₂ Sn), 1,3,5,7-Tetraoxa-2,6-diazonia-4-stannaspiro [3.3] heptane 2,6-dioxide; dinitrate, (Sigma)	Gram	100		
92	Tin dichloride, Dichlorotin, tin Protochloride, Tin chloride (SnCl ₂), Tin(II)Chloride, (Sigma)	Gram	500		
93	Tin acetate, (Sn(CH ₃ COO) ₂ , C ₄ H ₆ O ₄ Sn), tin (II) acetate, Stannous acetate, (Sigma)	Gram	500		
94	Titanium isopropoxide, or (C ₁₂ H ₂₈ O ₄ Ti), Titanium (IV) isopropoxide, Titanium tetraisopropanolate, Tetraisopropyl orthotitanate, (Sigma)	ml	100		
95	Iron (III) chloride hexahydrate, (C ₁₃ FeH ₁₂ O ₆), Titanium (IV) isopropoxide, Titanium tetraisopropanolate, Tetra isopropyl orthotitanate, (Sigma)	Kg	01		
96	Cesium Bromide	Gram	50		
97	3-aminopropyltrimethoxysilane (APTS) (98.0%), (Merck)	ml	100		
98	4-aminoantipyrine, 98% (AAP)	Gram	100		
99	Acetylcholine chloride, (Sigma)	ml	25		
100	Aluminum Metal Powder, (Sigma)	Gram	250		
101	Aluminum Sulphate, (Sigma)	Gram	500		
102	Calcium acetate, (Sigma)	Kg	01		

Sr. No.	Item Name	Unit of Measure	Total Qty.	Price per Item (inclusive of all taxes and Shipment charges)	Total Amount (inclusive of all taxes and Shipment charges)
103	Calcium acetate hydrate, (Sigma)	Kg	01		
104	Calcium Carbonate (CaCo3), (Sigma)	Kg	01		
105	Carbon Cloth (10cm x 10cm), (Sigma)	Sheet	05		
106	Ciprofloxacin Hydrochloride (C17H19CIFN3O3)	Gram	100		
107	Cupric Chloride hexahydrated, (Sigma)	Kg	01		
108	Laboratory Glassware Dryer	No.	01		
109	Gold (III) chloride, Gold Trichloride, Auric chloride, Gold chloride, (AuCl3), Auric trichloride, trichloro gold, (Sigma)	Gram	01		
110	Indium tin oxide (ITO) coated glass plates 8-12 Ω/sq, Slide 10q+y/pkt, (Green Earth)	Pkt	03		
111	Iron Acetylacetonate	Gram	100		
112	Iron Metal Powder, (Sigma)	Kg	01		
113	Lead Bromide, (Sigma)	Gram	100		
114	Magnesium Hydroxide, (Sigma)	Kg	01		
115	Mercury Nitrate, (Sigma)	Gram	50		
116	Mercury telluride, (Sigma)	Gram	50		
117	Mueller Hinton Agar media, (Sigma)	Gram	500		
118	Nickel Metal (powder), (Sigma)	Gram	500		
119	Polyethylene imine (PEI), (Sigma)	ml	250		

Sr. No.	Item Name	Unit of Measure	Total Qty.	Price per Item (inclusive of all taxes and Shipment charges)	Total Amount (inclusive of all taxes and Shipment charges)
120	Potassium ferricyanide (K ₃ Fe(CN) ₆), (Sigma)	Kg	01		
121	Sodium dodecyl sulfate (SDS), (Sigma)	Kg	01		
122	Succinic anhydride (99.0%), (Sigma)	Kg	01		
123	Titanium Chloride, (Sigma)	Gram	250		
124	Titanium Metal Powder, (Sigma)	Gram	100		
125	Triethylamine, (Sigma)	Liter	2.5		
126	pH paper	Pkt	03		
127	Ultrasonic Bath Cleaner (capacity 6 L, Frequency: 40 KHz, Digital time controller, Ultrasonic power: 140-180W, Digital control Heating power: 150-200W)	No.	01		
TOTAL: _____					
Total in Words: _____					

Company Evaluation Criteria

- i. Profile of company complete in all respect
- ii. List of Previous/Current customers, Purchase Orders of related Services with contact person and telephone/fax numbers.
- iii. Copy of National Tax Registration Certificate or Copy of Online Taxpayer Verification
- iv. Copy of Sales Tax Registration Certificate or Copy of Online Active Taxpayer
- v. Bank letter of financial standing /Bank Statement
- vi. An affidavit on Rs 100/- Stamp Paper issued after date of publishing of tender which illustrate that currently they are not black listed or de-barred by any Government/Semi-Government Department to participate in bidding. Failure to submit such affidavit may lead to disqualification.
- vii. Detailed item specifications or Services matched corresponding to the BOQ as given at **Annex 'A'**
- viii. Proposed delivery, response time, plan for rendering service
- ix. Signed and Stamped Complete Re-Tender document
- x. Bank Draft of the Earnest Money

Note: Basic Evaluation Criteria is mandatory to fulfill to qualify for detailed evaluation. Failure to meet and submit all documents related to basic evaluation may lead to disqualification.

2. Detailed Evaluation

(Minimum Passing Score Required is 65 Points for qualifying to Financial Opening)

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) Attach copy of all supporting documents	--	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 (Attach copy of all supporting documents)	--	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 (Attach copy of all supporting documents)	--	10
3.1	Last sales tax paid Form	4	--
3.2	Bank Certificate (satisfactory) attach original bank certificate indicating financial status	2	--
3.3	Statement Worth (Min 2 m) attach all supporting documents	4	--
4	After Sale Services Available (Attach copy of all supporting documents)	--	10
5	Technical Evaluation of quoted items (Attach copy of all supporting documents)	--	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