

TENDER FOR SUPPLY OF EQUIPMENT / MACHINERY

Tender Sr.No.

Price: Rs.1000/-

Issued to _____

Money receipt/DD No. _____ Date _____

TENDER FORM FOR SUPPLY OF EQUIPMENT / MACHINERY FOR THE FINANCIAL YEAR 2013-14

To,
Associate Dean,
Post Graduate Institute,
Dr. Panjabrao Deshmukh Krishi Vidyapeeth,
P.O. Krishi Nagar
Akola 444 104 (MS)

Dear Sir,

1. in response to the tender notice published in the daily newspaper -----

Dated ----- I/We submit herewith the tender form for the supply of

- i) Water cooler
- ii) Refrigerator 450 lit.
- iii) Carpet 1.5 mm
- iv) Electric Geyser
- v) Water purifier

2. I/We have thoroughly examined and understood the terms and conditions of the tender mentioned in Appendix-I and I/We agreed to abide by them in full.

3. I/We offer to undertake the supply of instrument and quoted the rates inclusive _____ of all taxes, freight etc as given in Appendix-II. It is agreed that no additional charges other than those mentioned in Appendix-II would be payable to me/us.

4. I/We accept that the rates offered shall remain valid **for a period upto 31/03/2015 from the date of execution of agreement.** I/We further agreed that if the date upto which the offer would remain open be declared as holiday for office, then offer will remain open for acceptance till next working day.

5. I/We shall be bound by communication of acceptance of the offer, dispatched within prescribed time.

6. I/We accept that the right to accept or reject whole or part of the tender without assigning any reason is reserved with the University. The decision of the University will be final and shall be binding on me/us.

7. As required by the terms and conditions of tender an amount of Rs. _____ (1% of the estimated cost of instruments/equipments for the item tendered) of Appendix-II paid by me/us as Earnest Money Deposit (E.M.D.) through **Demand Draft (DD) of any Nationalized Bank or Bankers Cheque (for local parties only)** payable at State Bank of India, Dr. P.D.K.V., Akola Branch No. 2171, Akola bearing No. _____ dated _____ in favour of **Assistant Registrar, Post Graduate Institute, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola. Payment of EMD in any other form will not be accepted.**

8. I/We agreed to undertake to supply the equipments / machinery at location of office mentioned in final supply order and as per the specification of the final orders within four weeks from the date of supply order or the date specified in the supply order.

9. I/We also agreed to undertake to supply of equipments / machinery to other offices of University spread over Vidarbha region under same terms and conditions against the supply orders.

10. As per the terms and conditions Part-I of Appendix-I, I/We are submitting my/our offer in two sealed envelopes enclosed in envelop No. 3. Envelop No. 1 contents documents as

per the condition Sr.No.9 of Part-I of Appendix-I. Envelop No.2, includes rates quoted by me/us in Appendix-II.

11. I/We also agreed that University has full rights to open/consider the second envelop if and only if University satisfied with information contents in envelop No.1. The decision of the University regarding this will be final and will be binding on me/us.

12. I/We hereby declare that the entries made in this tender form i.e. in Part II of Appendix-I and Appendix-II is binding on me/us. I/We shall be bound by the Act to my/our authorized representative duly constituted Attorney Shri ----- whose signature is appended hereto in the place specified for the purpose and of any other person who in future may be appointed by me/us in his place to carry on the business of this concern/agency/firm. The intimation of such change will be given to the Chairman, Purchase Committee For hostel requirements & Associate Dean, PGI, Dr. PDKV, Akola.

13. I/We hereby take the responsibility of maintaining the equipments at their locations at free of cost in warranty period. I/We hereby also take the responsibility to provide the service under AMC after expiry of warranty periods. The following documents duly filled in and signed are enclosed along with the tender. The part 1 of Appendix-I being the terms and conditions is retained by me/us for my/our information and record.

Yours faithfully,

Place:

Date:

Signature of the Supplier
Capacity in which signing:

Name and Address of the firm/supplier/tendrer :------

Registration No. of Supplier/tendrer -----

List of Documents (Checklist)

- a) Tender Form
- b) Demand Draft (for EMD)
- c) Sale Tax Registration Certificate
- d) IT and vat clearance latest certificate
- e) Pan card
- f) Water quality Certificate ISO 9001:2000 for water filter
- g) NSF certificate for water filter
- h) Original catalogs, pamphlets/pictures of the appliances offered
- i) Certificate of sole manufacturers/authorized dealers of manufacturers/ authorized suppliers/dealers of overseas
- j) EMD (if applicable)
- k) Clients/ Users list of item(s) of Company/Dealer and total experience in this field
- l) Documents in support to reveal capacity to provide service after sale
- m) Two years extended warranty undertaking letter on stamp paper for water filter

Bank Draft No. _____ Dt _____ Rs. _____

Signature of constituted Attorney/
Authorized representative

Signature _____

Date: _____

Name & Address: _____

APPENDIX-I

Terms and conditions governing “**Supply of Equipments / machinery Part-I**”

1. Sealed tenders are invited from manufacturers/authorized dealers of manufacturers/authorized suppliers/dealers of overseas who are willing to undertake supply of equipment / machinery as per the specifications mentioned in Appendix-II. a) During 10.30 hrs to 17.30 hrs on working days and upto 12.00 hrs on last date i.e 28.12.2013 **Tenders received late in person/by post will not be considered.**

b) The tenders will be opened on date 30.12.2013 at 11.00 hrs in presence of the intending suppliers/representatives who may desire to attend.

2. The rates both in words and figures without any corrections or over writing should be quoted in Appendix-II for each individual item separately. Any over writing or rewriting should be duly countersigned. **The rates must be valid upto 31.03.2015**

3. The intending supplier shall also have to mention, the detailed specifications, name of manufacturer/make, model of the article and has to enclose the only original catalogs, pamphlets/pictures of the appliances offered, for which the rates are quoted. The photocopies/xerox/fax of these documents will not be considered. In absence of the above original documents, the item(s) offered will not be considered.

4. The preference will be given to the makes specified in the tender form and the items bearing ISI/ISO quality control makes for the equipments/ machinery.

5. The tenderers must enclose adequate documents to prove their authorization claims and if not University reserves the rights to accept or reject tenders of these agencies. The decision of the University regarding this will be final and shall be binding on tenderer.

6. Tenderers will have to supply instrument as per the Appendix II. University will not accept the assembled equipments / machinery.

7. The tenderer should quote the rates inclusive of essential/optional accessories of all charges in Appendix II only of the tender form issued by this office and not on any other form.

8. Installation, successful demonstration of instrument in the respective hostel is compulsory. Authentic technical engineer report for R.O. Water sample testing report and machinery. Final payment of instruments will be made only after installation and successful demonstration at the respective hostel / department of the university.

9. The tenderer should submit his offer in two separate envelopes i.e. in first envelop with superscription “**TENDER FOR SUPPLY OF EQUIPMENTS/ MACHINERY (TECHNICAL INFORMATION) ENVELOPE NO. 1**”

a) *D.D. for E.M.D. (should be 1% of the cost of total tenderd Item(s) in case of EMD exemption relevant certificate be enclosed)*

b) *Sale Tax CST, BST, VAT etc Registration Certificate) Original catalogs, pamphlets/pictures of the appliances offered. Documents in support to reveal capacity to provide service after sale*

c) *Certificate of sole manufacturers/authorized dealers of manufacturers /authorized suppliers /dealers of overseas*

e) *Clients/ Users list of item(s) of Company/Dealer and total experience in this field.*

f) *Part-II of Appendix-I duly filled*

g) *The tenderer should indicate total exact amount of items tendered and the amount of EMD deposited*

(Important: Above (a) to (g) documents if not enclosed, the Envelope No. 2 will not be opened)

10) **The tenderer should provide the rates quoted only in Appendix-II in second envelop with superscription ‘TENDER FOR SUPPLY OF EQUIPMENTS/ MACHINERY’ (RATES) ENVELOPE NO. 2.**

11) **Enclose sealed envelope No. 1 and 2 in envelope No. 3 with superscription “Tender for supply of EQUIPMENTS/ MACHINERY” and be submitted to the undersigned.**

12) **The intending supplier should quote the rates inclusive of all expenses, charges, taxes, duties, transportation, packing and forwarding, insurance etc i.e. All “Inclusive” (in the prescribed format enclosed with this tender form) with free delivery as mentioned in Appendix-II at respective Hostels / Departments of the University.** However, the octroi / LBT will be over and above this, if applicable. The **EQUIPMENTS/ MACHINERY** will have to be supplied as per the specifications within **four WEEKS** or as per the last date mentioned in the

final supply order. In case the tenderer requires more time than as stipulated above for effecting actual supply of a particular item shall specifically mention in the tender form

13) Undersigned will reserve full rights to open/consider the second envelop if and only if University is satisfied with information contents in envelop No.1. Comparison will preferably be made with same brand and same specification with atleast three tenders. However, right to compare one brand with another one with same specification and even to consider only one tender will be reserved with the undersigned and bind on the tenderer. The decision of the University regarding this will be final and shall be binding on tenderer.

14) The supplier will have to supply; in full the articles as per the order to different Hostels/ Department of the University located any where in Vidarbha region till date of validity of rates.

15) This University do have exemption in octroi / LBT & excise duty, the certificates will be provided along with the supply order if necessary.

16) The tenderer shall have to deposit Earnest Money Deposit (**E.M.D.**) **1%** of cost tendered through **Demand Draft (Nationalized Bank only)** or **Bankers cheque** (for local parties only) drawn on State Bank of India, Dr. PDKV, Branch Akola (Branch No. 2171), payable to **Assistant Registrar, Post Graduate Institute, Dr. PDKV, Akola** and the same should be enclosed in Envelope No. 1 of the tender. The tender without E.M.D. or less EMD will not be considered. The amount of E.M.D. will be refunded in case of unsuccessful tenderer on submission of application with Money Receipt in original soon after the final decision. In case of successful tender it will be refunded on production of original receipt after completion of validity period of the agreement to be executed between the tenderer and Associate Dean, Post Graduate Institute, Dr. P.D.K.V., Akola. The University will not make any payment towards interest on such deposits.

17) The specimen of "Agreement Bond" will be provided along with letter of acceptance to the tenderer whose rates are accepted by the University. The tenderer shall have to execute agreement in the prescribed form on stamp paper costing to Rs.100/- or fixing court fee stamp on agreement paper, which should be submitted to the office ordering supply within specified time. The agreement received under seal and signature of tenderer will become a legal agreement between the tenderer and the University, which will be binding on tenderer within Akola jurisdiction.

18) Tenderer at the time of final order/ agreement will have to furnish **security deposit @ 3% of total cost** of the items accepted and ordered for supply by the University as offered in the tender either through demand draft or cheque **in favour of the concerned office, Dr. PDKV, Akola.**

19) The amount of security deposit without any interest there on will be returned to the tenderer after **36 months** or the expiry of the warranty period whichever is later from the date of supply, subject to the surrender of money receipt in original in respective office.

20) If the tenderer fails to comply with the supply order within the specified period his order will be cancelled and EMD will be forfeited.

21) The quantity mentioned in Appendix II of this tender is subject to variation according to actual requirement of this University. The quantity may vary in case of competitive market rates. The right to enhance or reduce the quantity of any tendered item(s) and right to accept/reject whole or part of the tender, without assigning any reason, whatsoever, is reserved by the undersigned. The decision of the undersigned shall be final and binding on the tenderer.

22) As soon as the tenderer delivers the tender in the office of the undersigned, it shall be binding on him and he shall not be able to withdraw or amend the offer.

23) The respective Head of the offices also reserves the right to accept or reject the supplies in full which do not strictly stick up to the specifications.

24) The tenderer are bound to supply only genuine instruments of the make /model /specification etc tendered by him/it and ordered for supply by the university /offices under it shall be liberty to ask for production of sufficient proof that the manufacturer is rendering adequate business support to the tenderer /supplier or university may itself get satisfied approaching the manufacturer without noticing to the tenderer.

25) The undersigned reserves the rights to accept or reject higher version of **EQUIPMENTS/ MACHINERY** or any other items under the same terms and conditions and same price quoted by tenderer in Appendix-II.

26) In case of poor response from the suppliers, from the first call, the items of poor response will be retendered if necessary.

27) Final payment of instruments will be made only after installation and successful demonstration at the respective department of the university. Authentic technical engineer's report for R.O. Water sample testing and machinery given as per specification need to be submitted.

28) The credit bill should be presented in triplicate in the name of respective authority as quoted in final supply order. For any delay in payment (interest or any other kind of compensation) the University will not make any extra payments. This contract will be governed as per terms and conditions mentioned above, agreement made and the provisions contained in M.A.U. Account Code, 1991. Delay in supply within the prescribed time limit or the extended time limit, making of supplies not up to the standard specification and performance or non-observance or non-acceptance of these terms and conditions by the tenderers shall constitute breach of contract and the security deposit or any other deposit of the tenderer shall be forfeited by the University besides other actions or reduction bills of supplies and/or other legal actions and finally the decision of the University shall be binding on the tenderer.

29) Every page of tender should be numbered and signed with seal by the tenderer

30) The right to accept or reject whole or part of the tender or all tenders without assigning any reasons thereof is reserved by the University.

Encl: 1) Part-II of Appendix-I

2) Schedule of supplies in Appendix-II

Place: Akola

Date:

Chairman,
Purchase Committee for hostel requirement
& Associate Dean, PGI,
Dr. PDKV, Akola

We have accepted the above terms and condition and agreed to abide by them

Signature with seal of tendrer:-----

Capacity in which signing:-----

Name & address of the firm/supplier/tenderer:-----

Registration No. of firm/tenderer:-----

Part-II

Undertaking to be given by the tenderer for “The supply of Instruments

Whereas, the Associate Dean, Post Graduate Insitute, Dr. P.D.K.V., Akola has called the tenders for supplies as per the enclosed Appendix No-II.

I/We hereby offer our tender at the rates given in the enclosed Appendix -II duly filled in and signed by me/us and hereby also affix my/our signature(s) below this tender voluntary and full acceptance of all the terms and conditions of this tender, which shall be the agreement between the above tender calling authority and myself/us.

Enclosed: Appendix-II

Signature of the Supplier:_____

Name of the Supplier:_____

Capacity in which signing:_____

Full address of the Supplier with Seal/Stamps

Place:

Date:

Appendix II

Form of tender rate quoted by me us for supply of instruments/ equipment to the offices under Dr. PDKV, Akola
(As per serial No.16 in Appendix –I)

Sr. no	Name of instrument	Make and specific ation	Cost of instruments/wit h essential /optional accessories (Rs)	Excise	VAT/ CST/ BST	Custo m duty	Packag ing/ Forwar ding	Any other	Cost of instrument / equipment inclusive of all taxes duties (Rs)
1.	Freeze/ refrigerator 450 lit.								
2.	a) Water Purifier 25 lit, 50 lit, 100 lit, 250 lit, 500 lit, 1000 lit b) AMC of water purifier system for 3 years except warranty period								
3.	PVC Carpet 1.5 mm								
4.	Electric Water Geyser 35 lit, 50 lit								
5.	Water Cooler, 80 lit								

Note : Attached specification

Signature with seal of tenderer
(Authorized signature)
Name of the firm supplier/tendere

A1) 25 lit RO

The plant need to be designed based on 1200 TDS and 800 ppm raw water hardness.

System Operating Data:

Product	25 LPH RO system
Specification	Storage tank 7 Lit. (Production capacity 25 lit): 01 No. Technology : RO Booster Pump 48 W (Kemp flow): 01 No. Adaptor 220 VAC – 36 V DC (Wave): 01 No. Membrane 75 GPD- 2 Nos. (Painter): 02 Nos. Filter Cartage- Sediment, Pre carbon, RO membrane and Post Carbon (Wave) Optional: To increase the longevity of system use external filter.

A2) 50 lit RO

The plant need to be designed based on 1200 TDS and 800 ppm raw water hardness.

System Operating Data:

Product	50 LPH RO system
Specification	Body SS/MS Pump 2 A (BNW&S/DY): 2 Nos. Membrane 300 GPD (TFC): 2 Nos. Micron Filter : Sediment, GAC and CTO 20" Adopter 2 A (Wave) : 2 Nos.

A3) 250 LPH RO PLANT

R.O. The plant need to be designed based on 1200 TDS & 800 ppm raw water hardness. Treated Water Quality

The approximate quality of treated water should be follows in the design of the system.

Suspended Solids	: Nil
PH	: 6.5 to 8.5
T D S	: Less than 100 ppm
Total Hardness	: 50 ppm as CaCo3

Scope of Supply

The following are the technical specification for the equipments supply for water treatment plant.

1. Raw Water Feeding Pump.

Type	: Centrifugal
Working flow	: 0.4 / m3/hr.
Working pressure	: 2 kg/cm2
M.O.C.	: Cl.
Power	: 0.5 HP.
Make	: Kirloskar/CRI
Nos. Offered	: One No.

2. Dual Media Filter.

Type	: Down Flow Graded Sand Type
M.O.C.	: HDPE
Vessel volume	: 80 lit.
Pipe Line Size	: 25 mm.
Sand Qnty.	: 50 Kgs.
Activated Carbon Qnty.	: 20 Kgs.
Valves	: PP multiport valve.
Working Flow	: 1.70 m3/hr.

3. Micron Cartridge Filter.

Size	: 20" Long.
Micron Rating	: 5 Micron.
Type of Candle	: P.P.Wound.
Make Of Cartridge	: Seitz, USA.

Material of Housing : PP
Nos of Housing : 1 Nos.
Nos of Candles : 1 Nos.

4. High Pressure Pump.

Type : centrifugal type
Working Pressure : 11 Kgs/cm².
Working Flow : 400.
Motor : 0.5 HP 1440 RPM, single phase
Make of pump : CRI
Nos. Offered : 1 Nos.

5. R O Membrane Elements.

Model : 4040 Element
Type : TFC Spiral Wound
Material : Polyamide.
Make : hydronotics USA
Nos. Offered : 1 Nos.

6. Pressure Vessel.

M.O.C. : FRP
Type : Horizontal Tube Type
Max. Pressure : 300 psi.
Working Pressure : 150 psi.
Nos.Offered : 1 Nos.

7. Instruments

A Pressure Gauges : 2 Nos.
Type : Burdone Tube Type
Make : H. Guru/ K.I.
Range : 0 - 28, 0 - 7 Kg/cm²
B Rotameters : 1 No.
Type : Float
M.O.C. : Acrylic Body, SS Float.
Range (0 - 500Lph) : 1 No
C Conductivity Meter : 1 No.
Type : Digital Type
Range : 0 - 999 micro mho/cm
Make : Sigma Controls Mumbai

Feed Water Conditions For R.O. Systems.

Max. Temperature : 40 deg. C
Free Chlorine, Bacteria, Oil : Nil
Iron, Manganese. Etc. : Nil
Turbidity : Less than 1.0 NTU

Scope of Exclusion

1. Foundation for Equipments and any Civil Works.
2. Power, Water and Electrifications.
3. Raw water & pure water storage.
4. Inline water connection

A4) 500 LPH RO Plant

The plant need to be designed based on 1200 TDS and 800 ppm raw water hardness.

System Operating Data:

No. of streams : One
Mode of operation : Semi-automatic
Feed flow rate : 1670 LPH
Permeate flow rate : 1000 LPH
Concentrate flow rate : 670 LPH
System recovery : 60 %

Product Water Quality:

The treated water of following parameters should be available after blending of raw filtered water and RO permeate water. The TDS and Hardness may be adjusted depending on blending ratio.

Appearance : Crystal clear
Total Hardness : Less than 50 PPM
Total Dissolved Solids : Less than 100 PPM
Bacterial load : Nil

The scope of supply along with technical details is should be as below:

Raw water Pump

Quantity : 1 no.
Type : Centrifugal monoblock
Capacity : 2000 LPH
MOC : CI
Motor rating : 1 HP
Make : Kirloskar/CRI

Pressure Sand Filter

Quantity : 1 no.
Capacity : 1500 LPH
MOC of vessel : FRP
Diameter of unit : 400 mm
Height of unit : 1600 mm
Type of valve : Single – multiport
Media : Support bed + sand

Activated Carbon Filter

Quantity : 1 no.
Capacity : 1500 LPH
MOC of vessel : FRP
Diameter of unit : 400 mm
Height of unit : 1600 mm
Type of valve : Single – multiport
Media : Support bed + Activated carbon

Micron Cartridge filter

Quantity : 1 no.
Capacity : 2000 LPH
MOC of housing : PP
MOC of cartridge : PP
Filter rating : 5 microns
Size of cartridge : 20 "long

Antiscalant Dosing.

Type	: Electronic dosing type.
Dosing Pump	: Electronic Diaphragm type.
M.O.C. Of Dosing Pump	: P.P.
Capacity of Dosing	: 0 to 4 LPH.
Rate of Dosing Chemical.	: 2 to 4 PPM.

Power : 240 V, Single Phase.
Make. : E Mec/Metering pump.
Dosing tank : HDPE - 100 Lt.

High Pressure Pump

Quantity : 1 no.
Capacity : 1500 LPH
Type of pump : Vertical Multistage centrifugal pump
MOC : SS
Motor rating : 1 HP, Three phase
Maximum pressure : 13 kg / cm²
Make : CRI

Reverse Osmosis System :

Quantity : 1 no.
Capacity : 500 LPH
Module type : Spiral wound
Membrane specification : TFC – polyamide
Make of membrane : Hydranautics
No. Of Membranes : 2 no.
No. Of Membrane Housing : 2 no.
Membrane housing MOC : FRP
Make of housing : Code line
Piping MOC : PVC
Skid MOC : SS/MS
Electrical control panel : 1 no.

Instruments :

Pressure gauges : 2 nos.
Pressure switches : 2 nos.
Rate of flow indicators : 2 nos.
Conductivity meter : 1 nos.

Interconnecting Piping : upvc

Termination Points

- Inlet of raw water pump
- Concentrate outlet of RO on skid
- Drain of Sand filter unit on skid
- Inlet connection to the control panel

A5) 1000lph/hr RO PLANT

The plant need to be designed based on 1200 TDS and 800 ppm raw water hardness.
System Operating Data:

The followings are the technical specification for the equipments supply for Drinking water treatment Plant.

1. Chlorination & De-Chlorination. / Biocide Dosing:

Type.	: Dosing type.
Rate of dosing.	: 1 to 2 ppm.
Residual.	: 0.1 ppm.
Type of chlorine.	: Powder or Liquid.
Type of De-chlorine.	: Powder.
Nos. offered	: 1 No.
Capacity	: 4 lph
Make of pumps	: Filtra, metering/Eq...

TECHNICAL SPECIFICATION:

Power Requirement	: Single phase 240 V
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2. Raw Water Feeding Pump.

Type	: Centrifugal.
Max. Flow	: 4 m3/hr.
Working flow	: 2.0 m3 /hr.
Working pressure	: 2.0 kg/cm2.
Max. Pressure	: 3.0 Kg/Cm2.
M.O.C.	: C.I.
Power	: 1.0 HP.
Make	: CRI
Nos. Offered	: One No.

3. Multi Graded Sand Filter.

Type	: Down Flow Graded Sand Type
Model	: 500/WM/MGF
M.O.C.	: S.S.316
Size Dia X Height.	: 300 mm Dia X 1500 mm
Pipe Line Size	: 40 mm OD
Sand Qnty.	: 250 Kgs.
Valves	: S.S.Four way 25 mm.
Max. Flow	: 3.00 m3/hr.
Working Flow	: 2.0 m3/hr.

4. Activated Carbon Filter.

Type	: Down Flow Graded Sand Type
Model	: 500/WM/MGF
M.O.C.	: S.S.316 L
Size Dia X Height.	: 300 mm Dia X 1500 mm
Pipe Line Size	: 25 mm OD
Sand & Activated carbon Qty.	: 100 Kgs & 30 Kgs.
Valves	: S.S.Four way 25 mm OD
Max. Flow	: 3.00 m3/hr.
Working Flow	: 2.00 m3/hr.

5. Antiscalant Dosing System

Nos. offered	: 1 No.
Dosing chemicals	: Anti Scalant (Permacare 191).
Rate of Dosing	: 2 to 3 ppm.
Daily Consumption	: 7 to 10 gms/hr.
Type of Dosing Pump	: Electronic diaphragm Pump.
Maximum Dosing Capacity	: 4 lph.

Dosing Tank	: 50 Ltr H.D.P.E.
Make of pumps	: Filtra, metering/Eq....
6. Micron Cartridge Filter	
Model	: MCF 50/WM/PP
Size	: 30" Long.
Micron Rating	: 5 Micron.
Type of Candle	: P.P. Spun.
Material of Housing	: S.S. 316
Nos. of Candles	: 1 Any
Max. Flow	: 3 m3/hr.
Working Flow	: 2 m3/hr.
7. High Pressure Pump	
Type	: Centrifugal Multistage
M.O.C.	: S.S. 304
Max. Pressure	: 12 Kgs/cm2.
Working Pressure	: 10 Kgs/cm2.
Max. Flow	: 5 m3/hr.
Working Flow	: 2.0 m3/hr.
Motor	: 1.5 KW, 2900 rpm, 3 phases
Make	: CRI
8. Reverse Osmosis Membranes Elements.	
Model	: 8080 brackish water.
Type	: TFC Spiral Wound
Material	: Polyamide.
Size	: 4" Dia X 40" Long
Make	: Hydrotronic
Nos. Offered	: One set.
9. Pressure Vessels.	
M.O.C.	: FRP / S.S 316
Model	: Code/ SIDE/4
Type	: Horizontal Tube
Type	
Size	: 4" Dia
Max. Pressure	: 600 psi.
Working Pressure	: 400 psi.
Make	: Phoenix
Nos. Offered	: One set.
10. ELECTRIC CONTROL PANEL, with necessary controls.	
11. Instruments and Controls.	
A Pressure Gauges	
Type	: Bourdon Tube Type
Make	: H. Guru/ K.
Range	: 0 - 28, 0 - 7 Kg/cm2
B Rotameters	
Type	: Float type.
M.O.C.	: Acrylic
Range (0 – 2,000 Lph)	: 1 Nos.
Range (0 – 2,000 Lph)	: 1 No.
C Conductivity Meter	
Type	: Digital Type
Range	: 0 - 999 micro mho/cm
Make	: Sigma Controls Mumbai
D Pressure Switch	
Type	: Low Pr./ High Pr.

Make : Indfoss
 Model : IPS 70 / 200.
E Level Controller.
 Type : Electronic sensor.
 Make : Gelco / Equivalent.

12. Treated Water Storage Tank.
 Type : Cilindrical Type.
 Capacity : 1000 Ltrs.
 M.O.C. : SS 304 BA/Hyginic.
 Nos offered. : 1 nos.

13. Treated Water Transfer Pump.
 Type : Centrifugal Multistage.
 Power : .75 kW
 Working Flow : 1,000 Lph
 M.O.C. : SS 304
 Working Pressure : 2.0 Kg/Cm2
 Nos offered. : One no.
 Make. : Aroma/eq....

B) Plumbing material for 100/250/500/1000 LPH RO Water Purifier Plant

Particulars	Unit	Price
Water Tank 500 Liter		
1" Pipe - U PVC		
Elbow		
Tee		
Coupling		
Union		
Ball valve		
Tank Nipple		
MT		
FT		
Reducer		
C Clamps		
Taflon Tape		
Solution		
Other Accessories		

C) Electric Fitting Material for 100/250/500/1000 LPH RO Water Purifier Plant.

Particulars	Unit	Price
MCB Box		
Changer channel		
Switch Board		
Plugs and fittings		
Wire		
Insulation Tape		
Other accessories		

Refrigerator neo 450 lit

Gross Capacity	450 lit
Width mm	700
Depth mm	740
Height mm	1775
Energy rating	4
6 th sense auto cool	Yes
Tower cooling	Yes
Quick chill bottle zone	Yes
No. and Type of shelves	3, glass
Can rack	Yes
Freshonizer	Yes
RC lamp	LED
Ice twister and collector	Yes

Geyser

35V/H 35 lit

Type Storage

Power Supply 230 Volts AC, 50 Hz. Single Phase

Wattage(kW) 2kW

Max. Rated Pressure(bar) 8

Installation Type V-Wall Mounting, H-Wall / Floor Mounting

Dimensions(in mm)

A 703 B 386 F 368

50V/H50 Ltr.

Type Storage

Power Supply 230 Volts AC, 50 Hz. Single Phase

Wattage(kW) 2kW

Max. Rated Pressure(bar) 8

Installation Type V-Wall Mounting, H-Wall / Floor Mounting

Dimensions(in mm)

898/903

367/399

Water Cooler 80 lit (Complete stainless steel)

ASTER COOLING	The High Energy Efficient Compressor Speeding up the Cooling Process with less power consumption.
IN-SITU PUF INSULATION	A Unique In-Situ PUF Insulation Ensures That Water Remains Cool For A Longer Period In Case Of Power Failure And Hence Saves Power.
ECO FRIENDLY REFRIGERANT	CFC-Free Refrigerant Ensures No Damage To The Environment.
HIGH EFFICIENCY HEAT TRANSFER COIL	High Quality Copper Tubes With Rippled Aluminium Fins For Its Air-Cooled Condenser Ensures Highest Heat Transfer Efficiency.
COMPACT SPACE SAVING DESIGN	This Allows Them To Fit Even In Cramped Spaces.
SPEEDY DRAINAGE	The Extra Large Stainless Steel Water Tray Prevents Splashing And Ensures Fast Drainage Of Water.
STAINLESS STEEL TANK, TROUGH AND FAUCETS	For Safe Drinking Water, Year After Year.

FOOD GRADE PLASTIC PARTS	Plastic Parts That Come In Contact With Water Are Of Good Grade Quality, Ensuring Utmost Hygiene.
ADJUSTABLE LEGS FOR EASY LEVELING	So That They Stand Steady Even On Uneven Surfaces.
Power Supply (V/Hz/Ph)	230 Volts ± 10%, 50 Hz, Single Phase
Type	Storage
A) Width	460
B) Depth	580
C) Height	1440
Weight (Without Water) (Kg)	66
Maximum Current (Amps)	4.0
Cooling Capacity (Ltrs/Hr)*	40
Storage Capacity (Ltrs)	80
No. Of Cold Water Outlets	2
Refrigerant	R 134a / R 22.
Condenser Fan	Propeller Type (Quiet)
Thermostat	Automatically Controls Temperature
A) Inlet	12.7 Mm BSP Connection
B) Drain	25.4 And 12.7 Mm BSP Connection

PVC 1.5 mm carpet with pesting

High quality calendered , Laminated ,Soiled ,resilient , unbreakable and flexible PVC vinyl flooring

Thickness	1.5mm	
Residual indentation Static load	En 433	0.10mm
Dimension Stability	En 434	0.4
Flaxibilty	En 435	10mm mandral passes
Abrasion resistance	En 606-2	Wear group M
Surface Spread of flame	Bs 476	part 6 class1
Fire Propagation	Bs 476	10.8
Colour fastness to day light ISo 105 –	B02	Standard 7
Slip resistance	Din 51	130
Bearing Caster Chair	En 425	Suitable
Resistance to chemicals	En 423	
Premormance Classification	En 685	33,34