

क्र.संगाबाअवि/११/१०८/२०१९  
दिनांक २१/११/१९

प्रति,  
मे.चिमोटे इलेक्ट्रॉनिक्स,  
शॉप नं.८१, गुलशन टावर,  
बिग सिनेमाजवळ,  
अमरावती.  
मो.नं.

**विषय :- करारनामाबाबत..**

Maintenance of Air-Conditioners, Water coolers, Aqua Purifiers  
& it's components by adopting "Break Down Service  
Mechanism". (Service, repair, replacement of the parts of  
Airconditioners, water coolers & water purifier.

संदर्भ :-

- १) निविदा सूचना क्र.१/२०१९ (४) Tender Id\_SGBAU\_427269\_1
- २) क्र.संगाबाअवि/११/४२५/२०१९ दि.१६/९/२०१९
- ३) आपले दि.१९/९/२०१९ चे पत्र

महोदय,

उपरोक्त विषयाकित कामासंबंधी संदर्भाकित पत्राच्ये आपण सुरक्षा निधी  
रु.५०,०००/- (रु.पन्नास हजार फक्त) पावती क्र.२९४७४५ दि.२/११/२०१९ अच्ये  
जमा केलेली असल्याने आपल्या सोबत दिनांक २/११/२०१९ रोजी वार्षिक देखभाल  
करारनामा करण्यात आलेला आहे. सदरहू करारनामा दि.०३/११/२०१९ पासून एक  
वर्षाच्या कालावधीसाठी राहील.

तरी, वरीलप्रमाणे देखभालीची कामे करारनामा व नियमावली (क्र.१७/२०१०)  
नुसार वेळोवेळी संबंधितांकडून प्राप्त होणाऱ्या सूचनेप्रमाणे आपण करावी. सदर  
करारनामा, नियमावली, विहित प्रपत्रे व यंत्रांची यादी यांची प्रत सोबत जोडलेली  
आहेत.

सहपत्र - वरीलप्रमाणे

कार्यकारी अभियंतर्

प्रतिलिपी-

संत गाडगे बाबा अमरावती विद्यापीठ

- १) वित्त व लेखा अधिकारी, संत गाडगे बाबा अमरावती विद्यापीठ
- २) सहा.कुलसचिव (अंकेक्षण), संत गाडगे बाबा अमरावती विद्यापीठ



::2::

Whereas the Service Provider has agreed to accept the terms & conditions mentioned as under.

This deed of Agreement witnesses as under :

1. The Service Provider shall make available Service Engineer round the clock at University office during the contract period.
2. The Service Provider will provide spares, repair of spares, service charges if any which may be needed for Air Conditioners, Water Coolers, **Water Purifier** and it's Components during the contract services as per the approved rates.
3. The Service Provider will extend one year's working warranty for Compressors & Six months working warranty for all other spares replaced during contract period.
4. The contract service is not transferable.
5. Payment of the Service Provider will be made on quarterly basis after receiving the bills of all repaired/replaced spares/service charges, if any, carried out during the quarter and necessary documentary evidence i.e. certification from the Controlling Officer about the satisfactory working of the repaired Air Conditioners, Water Coolers, **Water Purifier** and it's Components.
6. The Service provider shall deposit Rs.50,000/- (Rs. Fifty Thousand only) as security deposit at the time of execution of agreement.
7. Response time to attend any fault should be less than two days and repair and replacement of the parts should be as per Annexure-E. If the Service Provider will not do the repair of any machines as mentioned in Annexure-E in a specified time then University will be free to get done the repair of work from the outside agency and all the expenses (i.e. repairs, replacement, services and any other) will be deducted from the payment of the Service Provider. In addition to this, penalty will be levied i.e. Rs. 100/- per day.
8. Payment will be made after making deduction on account of down time penalty for the quarter period. Penalty will be calculated on the basis of down time reports from the Controlling Officer. If the services are satisfactory then the payment will be released within 15 days after the expiry of the quarter.
9. No advance payment will be made by this office for the contract service.
10. If the service provider will not carry out the work within specified period, the security deposit will be forfeited.
11. The Service Provider will attend the complaint as per complaint register maintained by Controlling Officer. The format of the complaint register is enclosed in Annexure-A.
12. The provision made in the Rule No. 17/2010 shall be binding on the Service Provider. The copy of the rule is enclosed in Annexure-III.
13. The Service Provider shall not make or send offensive, indecent, menacing, nuisance or hoax calls or communications or to cause annoyance, inconvenience or needless anxiety, if it happens the Service Provider shall be entitled to immediate termination of the contract.
14. University will review the services of the contractor after Six months, in case services are not

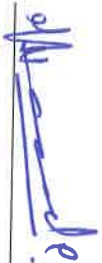

::3::

15. The Service Provider agreed that infringement of any of the above conditions will result in the termination of the contract. The decision of the Hon'ble Vice-Chancellor shall be final with regard to this contract. If the contract remains inoperative as a result of inaction of the Service Provider, the Hon'ble Vice-Chancellor shall instantly terminate the contract by giving one month's notice to the Service Provider resulting in forfeiture of the security deposit.
16. In case of dispute; the matter shall be decided in Amravati Jurisdiction.
17. The Controlling Officer will be satisfying officer for all repairs and maintenance.

Party No.1 **Chimote Electronics, Shop No.80, First floor, Gulshan Tower, Near Big Cinema, Amravati.**

Party No.2 Registrar, Sant Gadge Baba Amravati University, Amravati.

Witness :

1)   
2) 

Party No.1 *Sekimade*  
(Chimote Electronics)

Party No.2   
(Registrar)  
**Sant Gadge Baba Amravati University**

Prepared by

  
University Deputy Engineer (Elect.)  
S. G. B. Amravati University

Checked & Verified by

  
Executive Engineer  
Sant Gadge Baba Amravati University

Approved by M.C. Vide

Item No.161 dated 23/10/2019

  
Registrar  
Sant Gadge Baba Amravati University



**Sant Gadge Baba Amravati University**

**Maintenance of Air-Conditioners ; Water Coolers, Water Purifiers & its's Components by adopting "Break Down Service Mechanism".**

**Approved by Purchase Committee Dt.14/08/2019 vide ItemNo.35**

M/s Chimote Electronics, Shop No.81, Gishan Towar, Near Big Cinema, Amravati M.No.7507214411									
Sr. No.	Name of spares in Air conditioner , Water Coolers & Aqua guard.	Expected Frequency of failure/ year	Unit	Cost of the spare	Repair charges, (if any)	Service charges	Total Cost	Frequency (X)	Total cost
1	2	3	4	Rs. 15	Rs. 16	Rs. 17	Rs. 18	19	
1	Running Capacitor								
	a) 36 mfd	3	Each	420	0	290	710	2130	
	b) 40 mfd	3	Each	0	0	0	0	0	
	c) 45 mfd	3	Each	640	0	290	930	2790	
	d) 50 mfd	3	Each	0	0	0	0	0	
	e) 60 mfd	3	Each	60	0	0	60	180	
2	Starting capacitor								
	a) 60 – 80 mfd	3	Each	0	0	0	0	0	
	b) 80-100 mfd	3	Each	0	0	0	0	0	
	c)100-120 mfd	3	Each	0	0	0	0	0	
3	Relay	2	Each	0	0	0	0	0	
4	Thermostat	1	Each	550	0	100	650	650	
5	Gas charging								
	a) R-410	2	Kg	900	0	2200	3100	6200	
	b) R-22	2	Kg	1300	0	2200	3500	7000	
	c) R-134	2	Kg	0	0	0	0	0	
	d) R-32	2	Kg	0	0	0	0	0	
	e) R-407	2	Kg	0	0	0	0	0	
	f) R-600	2	Kg	0	0	0	0	0	
6	Fan motor Rewinding	1	Job	0	0	0	0	0	
7	Fan motor shafting and bushing	1	Job	0	0	0	0	0	
8	Capillary	1	Feet	0	0	0	0	0	
9	Filter	2	Each	0	0	0	0	0	
10	Internal wiring / Cable (ISI mark)	1	Feet	0	0	0	0	0	
11	Copper piping						0	0	
	a) 3/16" dia	0.2	Feet	0	0	0	0	0	
	b) 1/4" dia	0.2	Feet	0	0	0	0	0	
	c) 3/8" dia	0.2	Feet	0	0	0	0	0	
	d) 1/2" dia	0.2	Feet	0	0	0	0	0	
	e) 5/8" dia	0.2	Feet	0	0	0	0	0	
	f) 1/8" dia	0.2	Feet	0	0	0	0	0	
	g) 7/8" dia	0.2	Feet	0	0	0	0	0	
	h) 3/4" dia	0.2	Feet	0	0	0	0	0	
12	Fan motor capacitor								
	a) 1 mfd	1	Each	0	0	0	0	0	
	b) 1.5 mfd	1	Each	0	0	0	0	0	
	c) 2.0 mfd	1	Each	0	0	0	0	0	
	d) 2.5 mfd	1	Each	0	0	0	0	0	
	e) 3.0 mfd	1	Each	0	0	0	0	0	
	f) 4.0 mfd	1	Each	0	0	0	0	0	
	g) 5.0 mfd	1	Each	0	0	0	0	0	
	h) 6.0 mfd	1	Each	0	0	0	0	0	
	i) 8.0 mfd	1	Each	0	0	0	0	0	
	j) 10.0 mfd	1	Each	0	0	0	0	0	
13	Contactor for split & package type A/c						0	0	

M/s Chimote Electronics, Shop No.81, Gishan Towar, Near  
Big Cinema, Amravati M.No.7507214411

Sr. No.	Name of spares in Air conditioner , Water Coolers & Aqua guard.	Expected Frequency of failure/ year	Unit	Cost of the spare	Repair charges, (if any)	Service charges	Total Cost	Frequency (X) Total cost
				Rs.	Rs.	Rs.	Rs.	
1	2	3	4	15	16	17	18	19
	a) Single Phase	0.5	Each	0	0	0	0	0
	b) Three Phase	0.5	Each	0	0	0	0	0
14	Valves, three way with different types	0.5	Each	0	0	0	0	0
15	Remote PCB Repairing (Split / Window A/c.)	0.5	Job	2200	0	1000	3200	1600
16	Remote PCB Repairing (cassette type A/c.)	0.5	Job	0	0	0	0	0
17	Remote PCB Repairing (Package type A/c's)	0.5	Job	0	0	0	0	0
18	Remote for Split / Window types of A/c's	0.3	Each	0	0	0	0	0
19	Remote kit for Package type A/c's	0.3	Each	0	0	0	0	0
20	Connector	0.25	Each	0	0	0	0	0
21	Fan Blade for a) Split type A/c of various Capacities	0.25	Each	350	0	100	450	112.5
	b) Window type A/c of various Capacities	0.25	Each	0	0	0	0	0
	c) Package type A/c of various Capacities	0.25	Each	0	0	0	0	0
	d) Water Coolers of various Capacities	0.25	Each	0	0	0	0	0
	e) Cassette type A/c of various capacities	0.25	Each	0	0	0	0	0
22	Blower motor of various capacities							
	a) Inverter type A.C.	0.25	Each	0	0	0	0	0
	b) Package type A.C.	0.25	Each	0	0	0	0	0
	c) Cassette type A.C.	0.25	Each	0	0	0	0	0
	d) Split type A.C.	0.25	Each	2800	0	0	2800	700
	e) Window Type A.C.	0.25	Each	0	0	0	0	0
	f) Tower type A.C.	0.25	Each	0	0	0	0	0
23	Repairing of cooling coil of various Capacities							
	a) Inverter type A.C.	0.3	Job	0	0	0	0	0
	b) Package type A.C.	0.3	Job	0	0	0	0	0
	c) Cassette type A.C.	0.3	Job	0	0	0	0	0
	d) Split type A.C.	0.3	Job	0	0	0	0	0
	e) Window Type A.C.	0.3	Job	0	0	0	0	0
	f) Tower type A.C.	0.3	Job	0	0	0	0	0
24	Repairing of Condensing coil of various Capacities	0.3	Job	0	0	0	0	0
25	Cooling coil for window type A/c							
	a) 1.5 Tonne	0.2	Each	0	0	0	0	0
	b) 2.0 Tonne	0.2	Each	0	0	0	0	0
26	Cooling coil for Split type A/c							
	a) 1.5 Tonne	0.2	Each	0	0	0	0	0
	b) 2.0 Tonne	0.2	Each	0	0	0	0	0
	c) 3.0 Tonne	0.2	Each	0	0	0	0	0
27	Cooling coil for Cassette type A/c							
	a) 2.0 Tonne	0.2	Each	0	0	0	0	0
	b) 3.0 Tonne	0.2	Each	0	0	0	0	0
	c) 4.0 Tonne	0.2	Each	0	0	0	0	0

**M/s Chimote Electronics, Shop No.81, Gishan Towar, Near  
Big Cinema, Amravati M.No.7507214411**

Sr. No.	Name of spares in Air conditioner , Water Coolers & Aqua guard.	Expected Frequency of failure/ year	Unit	Cost of the spare	Repair charges, (if any)	Service charges	Total Cost	Frequency (X) Total cost
1	2	3	4	Rs. 15	Rs. 16	Rs. 17	Rs. 18	19
28	Cooling coil for Package type A/c							0
	a) 4.2 Tonne	0.2	Each	0	0	0	0	0
	b) 5.5 Tonne	0.2	Each	0	0	0	0	0
	c) 8.5 Tonne	0.2	Each	0	0	0	0	0
	d) 11.0 Tonne	0.2	Each	0	0	0	0	0
29	Condensing coil for A/c							
	a) 1.5 Tonne	0.2	Each	0	0	0	0	0
	b) 2.0 Tonne	0.2	Each	0	0	0	0	0
	c) 4.2 Tonne	0.2	Each	0	0	0	0	0
	d) 5.5 Tonne	0.2	Each	0	0	0	0	0
	e) 8.5 Tonne	0.2	Each	0	0	0	0	0
	f) 11.0 Tonne	0.2	Each	0	0	0	0	0
27	Condensing coil for Water Coolers							
	a) 30 ltrs capacity	0.2	Each	0	0	0	0	0
	b) 40 ltrs capacity	0.2	Each	0	0	0	0	0
	c) 80 ltrs capacity	0.2	Each	0	0	0	0	0
	d) 120 ltrs capacity	0.2	Each	0	0	0	0	0
	e) 150 / 240 ltrs capacity	0.2	Each	0	0	0	0	0
	f) 240 / 400 ltrs capacity	0.2	Each	0	0	0	0	0
31	Puff insulation for Water Coolers	0.2	Job	0	0	0	0	0
32	Door Gasket for Water Cooler of various capacities	0.3	Running Feet	0	0	0	0	0
33	Painting of water cooler body	0.3	Job	0	0	0	0	0
34	Water cooler drainage tray	0.3	Each	0	0	0	0	0
35	Repairs of water cooler of different capacities.							
	a) Top door	0.3	Job	0	0	0	0	0
	b) Front panel	0.3	Job	0	0	0	0	0
	c) Side panels	0.3	Job	0	0	0	0	0
	d) Back panel	0.3	Job	0	0	0	0	0
36	Repairing of water cooler base / frame	0.3	Job	0	0	0	0	0
37	Stainless steel Tap push type (Front & Upper Type)	0.5	Each	650	0	200	850	425
38	Repairs of voltage stabilizers with different capacities							
	a) 4 KVA	0.3	Job	0	0	0	0	0
	b) 5 KVA	0.3	Job	0	0	0	0	0
39	Electric cable wire							
	a) 2.5 Sqare mm	0.2	Feet	0	0	0	0	0
	b) 4 Sqare mm	0.2	Feet	0	0	0	0	0
40	Over load protector for water cooler	0.5	Each	0	0	0	0	0
41	Transportation (to & fro) (University Campus to Workshop and vice versa)	0.2	Job	0	0	300	300	60
42	Headon sheet (Felt) with cotton tape	0.5	Mtrs	0	0	0	0	0

M/s Chimote Electronics, Shop No.81, Glsan Towar, Near  
Big Cinema, Amravati M.No.7507214411

Sr. No.	Name of spares in Air conditioner , Water Coolers & Aqua guard.	Expected Frequency of failure/ year	Unit	Cost of the spare	Repair charges, (if any)	Service (if charges)	Total Cost	Frequency (X) Total cost
1	2	3	4	Rs. 15	Rs. 16	Rs. 17	Rs. 18	19
43	Heaton pipe with cotton tape of required size	0.5	Mtrs	0	0	0	0	0
44	Selector Switch for window A/c's	0.2	Each	0	0	0	0	0
44	Reverse Osmosis (R.O.)						0	0
	a) Booster Pump							
	i) 24 Watt	0.2	Each	2200	0	200	2400	480
	ii) 36 Watt	0.2	Each	0	0	0	0	0
	b) SMPS							
	i) 24 Watt	0.5	Each	0	0	0	0	0
	ii) 36 Watt	0.5	Each	0	0	0	0	0
	c) Solenoid Valve							
	i) 24 Watt	0.5	Each	0	0	0	0	0
	ii) 36 Watt	0.5	Each	0	0	0	0	0
	d) Membrane Pack open	0.5	Each	1800	0	0	1800	900
	e) Membrane Housing	0.2	Each	0	0	0	0	0
	f) Ball clock switch	0.1	Each	0	0	0	0	0
	g) R.O. Pipe							
	i) 1/4 inch	0.1	Mtrs	0	0	0	0	0
	ii) 3/8 inch	0.1	Mtrs	0	0	0	0	0
	h) Recarbon Filter	0.5	Each	0	0	0	0	0
	i) Sediment filter	0.5	Each	650	0	200	850	425
	j) R.O. Nipple							
	i) 1/4 inch	0.2	Each	0	0	0	0	0
	ii) 3/8 inch	0.2	Each	0	0	0	0	0
	k) Alkaline filter 450 FR	0.5	Each	0	0	0	0	0
	l) UV filter	0.5	Each	0	0	0	0	0
	m) UF Filter	0.5	Each	0	0	0	0	0
	n) Redus							
	i) 1/4 inch	0.2	Each	0	0	0	0	0
	ii) 3/8 inch	0.2	Each	0	0	0	0	0
45	Swing motor for indoor unit							
	a) Split type A/c	0.3	Each	450	0	200	650	195
	b) Casseter type A/C	0.3	Each	0	0	0	0	0
	c) Tower type A/c	0.3	Each	0	0	0	0	0
46)	Installation charges for air-conditioner							
	a) Window A/c's of all types & capacities	0.2	Job	0	0	0	0	0
	b) Multisplit A/c's of all types & capacities	0.2	Job	0	0	0	0	0
	c) Single split A/c's of all types & capacities	0.2	Job	0	0	0	0	0
	d) Cassette A/c's of all types & capacities	0.2	Job	0	0	0	0	0
	e) Package A/c's of all types & capacities	0.2	Job	0	0	0	0	0
	f) Tower A/c's of all types & capacities	0.2	Job	0	0	0	0	0
47	Brazing Rods	0.5	Dozen	0	0	0	0	0
48	Blower for Indoor units with different capacities							
	1) Split & Window							
	a) 1.5 Tr	0.2	Job	0	0	0	0	0
	b) 2.0 Tr	0.2	Job	0	0	0	0	0



M/s Chimote Electronics, Shop No.81, Gishan Towar, Near Big Cinema, Amravati M.No.7507214411									
Sr. No.	Name of spares in Air conditioner , Water Coolers & Aqua guard.	Expected Frequency of failure/ year	Unit	Cost of the spare	Repair charges, (if any)	Service charges	Total Cost	Frequency (X) Total cost	
1	2	3	4	Rs. 15	Rs. 16	Rs. 17	Rs. 18	19	
	2) Tower &Cassette A/c								
	a) 3.0 Tr	0.2	Job	0	0	0	0	0	0
	b) 4.0 Tr	0.2	Job	0	0	0	0	0	0
	3) Package A/c								
	a) 4.2 Tr	0.2	Job	0	0	0	0	0	0
	b) 5.5 Tr	0.2	Job	0	0	0	0	0	0
	c) 7.5 Tr	0.2	Job	0	0	0	0	0	0
	d) 8.5 Tr	0.2	Job	0	0	0	0	0	0
	e) 11.0 Tr	0.2	Job	0	0	0	0	0	0
50	Ball cock for water cooler ½"	1	Each	500	0	200	700	700	0
51	Stainless Steel Nipple for water cooler ½"	0.5	Each	0	0	0	0	0	0
52	P.V.C. Drain pipe for water cooler 1"	1	Each	0	0	0	0	0	0
53	P.V.C. overflow pipe for water cooler ½"	1	Each	0	0	0	0	0	0
54	Pin top 16 A.	0.5	Each	0	0	0	0	0	0
54	Plug sockets 6A	0.5	Each	0	0	0	0	0	0
55	Switch 6A.	0.5	Each	0	0	0	0	0	0
56	Plug socket 16A.	0.5	Each	0	0	0	0	0	0
57	Carbon Filter	1	Each	450	0	200	650	650	0
58	Candle Filter	2	Each	350	0	200	550	1100	0
59	Ultra Violet Tube	0.5	Each	400	0	100	500	250	0
60	Holder for Ultra Violet Tube	0.25	Each	0	0	0	0	0	0
61	PCB Repair	1	Job	2100	0	400	2500	2500	0
62	Sensor	0.5	Each	0	0	0	0	0	0
63	½ inch PVC pipe	1	Per feet	20	0	10	30	30	0
64	½ inch PVC Hose Pipe	1	Per feet	0	0	0	0	0	0
65	Solenoid volve	0.5	Each	500	0	0	500	250	0
66	Glass Tube for Aquaguard	1	Each	0	0	0	0	0	0
67	Nipple PVC ½ inch	0.5	Each	0	0	0	0	0	0
68	REPLACEMENT OF COMPRESSOR FOR VARIOUS AIRCONDITIONERS								
	i) Reciprocating type								
	a) 1.0 Tonne	0.2	Each	8200	0	400	8600	1720	0
	b) 1.5 Tonne	0.2	Each	9200	0	400	9600	1920	0
	c) 2.0 Tonne	0.2	Each	10200	0	400	10600	2120	0
	ii) Scroll type								
	a) 1.0 Tonne	0.2	Each	0	0	0	0	0	0
	b) 1.5 Tonne	0.2	Each	0	0	0	0	0	0
	c) 2.0 Tonne	0.2	Each	0	0	0	0	0	0
	d) 5.5 Tonne Ductable scroll type	0.2	Each	0	0	0	0	0	0
	e) 8.5 Tonne Ductable Scroll Type	0.2	Each	0	0	0	0	0	0
	iii) Package type								
	a) 4.2 Tonne	0.2	Each	0	0	0	0	0	0
	b) 5.5 Tonne	0.2	Each	0	0	0	0	0	0
	c) 7.5 Tonne	0.2	Each	0	0	0	0	0	0
	d) 8.5 Tonne	0.2	Each	0	0	0	0	0	0
	e) 11.0 Tonne	0.2	Each	0	0	0	0	0	0
	iv) Tower type								

M/s Chimote Electronics, Shop No.81, Gishan Towar, Near Big Cinema, Amravati M.No.7507214411									
Sr. No.	Name of spares in Air conditioner , Water Coolers & Aqua guard.	Expected Frequency of failure/ year	Unit	Cost of the spare	Repair charges, (if any)	Service charges (if charges)	Total Cost	Frequency (X)	Total cost
1	2	3	4	Rs. 15	Rs. 16	Rs. 17	Rs. 18	19	0
	a) 4.2 Tonne	0.2	Each	0	0	0	0	0	0
(USHA / VOLTAS / VIDEOCON / CARRIER / KIRLOSKAR COPELAND / BLUE STAR / LG )									
69	REPLACEMENT OF COMPRESSOR FOR VARIOUS WATER COOLERS								
	a) 40/80 litres capacity	0.25	Each	7200	0	900	8100	2025	
	b) 120/150 litres capacity	0.25	Each	8200	0	900	9100	2275	
	c) 150/240 litres capacity	0.25	Each	0	0	0	0	0	0
	d) 240/400 litres capacity	0.25	Each	0	0	0	0	0	0
(VOLTAS / TUSHAR / BLUE STAR / USHA)									
	Inverter A/C 1.5 Tr to 2.0 Tr.								
	a) Indoor								
	i) Indoor Motor DC	0.2	Each	0	0	0	0	0	0
	ii) Swing Motor DC	0.2	Each	0	0	0	0	0	0
	iii) PCB indoor DC	0.2	Each	0	0	0	0	0	0
	iv) Coil Sensor	0.2	Each	0	0	0	0	0	0
	v) Room Sensor	0.2	Each	0	0	0	0	0	0
	vi) Heating coil for indoor unit	0.2	Each	0	0	0	0	0	0
	b) Outdoor								
	i) PCB	0.2	Each	9990	0	1000	10990	2198	
	ii) Coil Sensor	0.2	Each	0	0	0	0	0	0
	iii) Pipe sensor	0.2	Each	0	0	0	0	0	0
	iv) Compressor Sensor	0.2	Each	0	0	0	0	0	0
	v) Reactor	0.2	Each	0	0	0	0	0	0
	vi) Fan motor DC	0.2	Each	0	0	0	0	0	0
	Cassette A/C								
	a) Indoor								
	i) Swing set 4.0 motor	0.2	Each	0	0	0	0	0	0
	ii) Fan Motor	0.2	Each	0	0	0	0	0	0
	iii) Fan motor blower	0.2	Each	0	0	0	0	0	0
	iv) Coil Sensor	0.2	Each	0	0	0	0	0	0
	v) Room Sensor	0.2	Each	0	0	0	0	0	0
	vi) PCB	0.2	Each	0	0	0	0	0	0
	vii) Water level motor	0.2	Each	0	0	0	0	0	0
	viii) Water level sensor	0.2	Each	0	0	0	0	0	0
	ix) Cut out relay	0.2	Each	0	0	0	0	0	0
	b) Outdoor								
	i) PCB	0.2	Each	0	0	0	0	0	0
	ii) Coil Sensor	0.2	Each	0	0	0	0	0	0
	iii) Pipe sensor	0.2	Each	0	0	0	0	0	0
	iv) Cut out relay	0.2	Each	0	0	0	0	0	0
	Cyclojet Model A/C								
	Outdoor								
	i) Fan motor water proof	0.2	Each	0	0	0	0	0	0
	ii) Fan Motor blade	0.2	Each	0	0	0	0	0	0
	iii) PCB	0.2	Each	0	0	0	0	0	0
	iv) Cut out relay	0.2	Each	0	0	0	0	0	0
	Package A/C								
	a) Dryer filter								
	i) 5/8 inch	0.2	Each	0	0	0	0	0	0
	ii) 3/8 inch	0.2	Each	0	0	0	0	0	0
	iii) 3/4 inch	0.2	Each	0	0	0	0	0	0
	b) Expansion valve	0.2	Each	0	0	0	0	0	0
	c) Three phase sensor	0.2	Each	0	0	0	0	0	0

M/s Chimote Electronics, Shop No.81, Gishan Towar, Near Big Cinema, Amravati M.No.7507214411								
Sl. No.	Name of spares in Air conditioner , Water Coolers & Aqua guard.	Expected Frequency of failure/ year	Unit	Cost of the spare	Repair charges. (if any)	Service (if charges)	Total Cost	Frequency (X) Total cost
1	2	3	4	Rs. 15	Rs. 16	Rs. 17	Rs. 18	19
	d) L.P.H.P. Switch	0.2	Each	0	0	0	0	0
71	Checking & servicing of the units shall be done quarterly with an entry in the maintenance card (Annexure D) & complaint Register (Annexure A). Preventive maintenance shall consist the following –	4	Job	0	0	1000	1000	4000
	i) Complete servicing of unit with oiling & greasing of moving parts							
	ii) Cleaning of Air filter							
	iii) Cleaning of evaporator coil							
	iv) Cleaning of condensor coil with the help of blower & water as required							
	v) Leakage testing of refrigeration line							
	vi) Checking & adjusting controls such as overload relay, thermostat, expansion valve etc.							
	vii) Checking & tightening of electrical connection of switchgears / controls & cleaning the strips of connectors/ relay etc.							
	viii) Complete system checking inview of maintaining desired temperature.							
	Total Cost	116.75		72280.00	0.00	13390.00	85670.00	45585.50
	Frequency (X) Total cost (/) Total Frequency							390.45

  
Executive Engineer  
 Sant Gadge Baba Amravati University

## Rule No. 17 of 2010

### ANNEXURE-III

#### Procedure for Maintenance of Air Conditioner . Water Cooler, Water Purifier and its Components by adopting “Break Down Service Mechanism”

Whereas it is expedient to frame the rules for maintenance of Air Conditioners, Water Coolers, **Water Purifier** and its Components, the Management Council is hereby pleased to make the following rules :

- 1) These rules may be called “Procedure for Maintenance of Air Conditioners, Water Coolers, **Water Purifier** and its Components by adopting Break Down Service Mechanism Rules, 2010”
- 2) These rules shall come into force with effect from the date of its approval by the Management Council.
- 3) In these rules, unless the context otherwise requires, -
  - i) “University” means Sant Gadge Baba Amravati University, established by Maharashtra Universities Act, 1994.
  - ii) “Registrar” means Registrar of the University appointed under the provisions of the Maharashtra Universities Act, 1994.
  - iii) “Engineering Section” means Engineering Section of University.
  - iv) “Air Conditioners, Water Coolers, **Water Purifier** and its Components” means all types Air Conditioners, Water Coolers & **Water Purifier**, purchased for the University.
  - v) “Service Provider” means a person or a firm with whom the agreement for repairs/services of the Air Conditioners, Water Coolers, **Water Purifier** and its Components is executed by the University.
  - vi) “Controlling Officer” means the **Executive Engineer** of Engineering Section under whose control the work of repairs/services of the Air Conditioners, Water Coolers, **Water Purifier** and its Components is being carried out.
  - vii) “User” means Head of the Department/ Officer/ Employee under whose supervision the Air Conditioners, Water Coolers & **Water Purifiers** and its Components is directly put for use.
  - viii) “**University Deputy Engineer (Electrical)**” means designated **University Deputy Engineer (Electrical)** post in Engineering Section.
  - ix) “Junior Engineer (Electrical)” means designated Junior Engineer (Electrical) post in Engineering Section.
  - x) “Technical Assistant” means designated Technical Assistant post in Engineering Section.
  - xi) “Progress Report” means the six monthly report of execution of Contract Service.
  - xii) “Contract Service” means service rendered by the Service Provider under contract of Breakdown Service Mechanism.
- 4) (i) The Controlling Officer shall prepare a list of Air Conditioners, Water Coolers, **Water Purifiers** and its Components to be covered under Breakdown Service Mechanism. He shall submit the said list for approval of the Hon’ble Vice-Chancellor at least two months earlier before expiry of the period of current Contract Service.  
(ii) The rates shall be approved before the expiry of the contract service provided if under any circumstances, the rates could not get approved, the earlier rates and contract service will be

in force for next quarter. In no case the continuity regarding contract service should be broken.

- 5) The Controlling Officer shall invite the tender / quotations as per procedure laid down in the Accounts Code for giving contract service of Air Conditioners, Water Coolers, **Water Purifier** and its Components.
- 6) The controlling officer shall maintain complaint register in the prescribed proforma **Annexure-A** and shall make entry of the complaint in the said complaint register
- 7) User will inform the breakdown calls to the Engineering Section in the prescribed format as per **Annexure-B**. **University Deputy Engineer (Electrical)** shall take the note of repair of Air Conditioners, Water Coolers, **Water Purifier** and its Components.
- 8) The Controlling Officer shall inform to the Service Provider as and when the breakdown occur.
- 9) Service Provider shall attend the repair Call to determine problem in the Air Conditioners, Water Coolers, **Water Purifier** and it's Components. The Service Provider will diagnose the faults in presence of Technical Assistant / Junior Engineer (Electrical) and shall submit its report in the enclosed format as per **Annexure-C**.
- 10) The Controlling Officer will issue the work-order directly to the Service Provider for the service / repair /replacement from the approved list of the equipments for the faults stated in para 9.
- 11) Service provider shall carryout repair/replacement of spares in presence of Technical Assistant / Junior Engineer.
- 12) The User and the **University Deputy Engineer (Electrical)** shall certify the maintenance carried out by the Service Provider.
- 13) The User shall maintain 'Maintenance Cards' for the equipments in the form as prescribed under **Annexure-D**. He shall maintain all the cards at his office which can be easily made available at the time of inspection.
- 14) The Service Provider shall execute the agreement with the University in the format approved by the Management Council from time to time as per **Annexure-II**
- 15) The agreement shall clearly specify the terms and conditions regarding service contract of the Air Conditioners, Water Coolers, **Water Purifier** and it's Components. The Controlling Officer shall inform the user of the equipment/s the terms and conditions of the contract service.
- 16) The agreement shall specify the cost of the spare parts/repair charges/service charges of the Air Conditioners, Water Coolers, **Water Purifier** and it's Components for likely failure of components.
- 17) The Service provider shall deposit the replaced spare parts with the **University Deputy Engineer (Electrical)** who shall maintain the record of the same to testify the original (old) part is replaced with the new part. The process of disposal of the old parts shall be made as per provisions of the Accounts Code with prior approval of Management Council.
- 18) The Service provider shall submit the bills for the quarterly payment as per agreement.
- 19) The Service provider shall deposit Rs. 50,000/- (Rs. Fifty Thousand only) as security deposit at the time of execution of agreement.
- 20) The Controlling Officer shall make the provision in the agreement regarding penalty to be imposed on the service provider. Penalty of Rs.100/- per day will be imposed on the Service Provider in the event of violation of the contract service.
- 21) In case of a dispute arising during the period of the contract service of Air Conditioners, Water Coolers, **Water Purifier** and it's Components, the decision of the Hon'ble Vice-Chancellor shall be final.
- 22) All the disputes arising out of this rules shall be subject to settlement by Amravati Judicature.
- 23) After the completion of Six months of contract service, the Controlling Officer shall submit an progress report of the execution of the contract to the Management Council.

\*\*\*\*\*