



Running Contract Details	
Equipment Name	Microwave Synthesizer
Running Contract Valid Till	10-03-2026
Tender Ref No	KMSCL/EP/T514(R)/1632/2023
Tendered Quantity	4
Supplier Name	M/s PENTAC SOLUTIONS
GST No	32AAYFP0402D1ZM
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
KPP XIII/206-A 206-B VILAYANCODE CHERUTHAZHAM KANNUR-670 504	Contact Person	Mohammed Sahad.T.D
	Phone	9567778600
	Mobile No	9946008932
	Email	pentacsolutions@gmail.com

Item-wise Price Details							
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total			
1	<b>Microwave Synthesizer</b> <i>Model &amp; Make : CATA HR/ Catalyst Systems</i>	515424 Incl.GST :18%	36079.68	551503.68			
		<b>515424</b>	<b>36079.68</b>	<b>551503.68</b>			
Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
<b>Microwave Synthesizer</b>							
Labour	65,000.00	65,000.00	70,000.00	70,000.00	75,000.00	85,000.00	90,000.00
Comprehensive	1,10,000.00	1,10,000.00	1,10,000.00	1,10,000.00	2,00,000.00	2,00,000.00	2,00,000.00

**Other terms & conditions**

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).

2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

## **Technical Specification**

### **Equipment :Microwave Synthesizer**

1. Power — Output- 1000 W (2450 MHz)
2. Magnetron — Magnetron is protected from reflected microwave energy.
3. Panel — Set all operational parameters through touch screen panel.
4. Stages — 0 to 1000 watts , 1 watt increment
5. Stirrer — One Magnetic stirrer with controller
6. Temperature – Probe / IR Sensor selectable with display
7. Exhaust — Powerful Exhaust System for open reaction.
8. Timer — 99.59 minutes timer
9. Reaction — 10 ml to 1000 ml
10. Tray — Toughened Glass or Silicon Rubber
11. Distillation — Vertical distillation assembly for normal & vacuum distillation
12. Condenser — High efficient double surface reflex condenser
13. Flask — 25, 50,100, 250 , 500ml & 1000 ml two neck flask
14. Herbal Extraction Flask — 1L, 2L or better
15. Facility to perform reactions in presence of Ultra Sonicator Probe. (Power — 250 Watts, Tip MOC — Titanium, Frequency — 20 KHz, Sample Volume — up to 100ml) or better
16. Solvent Free Extraction of Essential Oils from plant material Special designed glass flask of 2000 ml or better
17. mechanical stirrer facility
18. Leakage Proof Inlet at the top

### **Note:**

1. If CDSCO (Central Drugs Standard Control Organization) certification is required for the import and marketing of the equipment, then the same shall be submitted along with the technical bid
2. Warranty exclusions if any shall be discussed at the time of prebid meeting else the tender condition as per clause 6.31.20 shall prevail