



Running Contract Details	
Equipment Name	Biomedical waste Incinerator
Running Contract Valid Till	17-06-2020
Tender Ref No	KMSCL/EP/T274/405/2017(R)
Tendered Quantity	10
Supplier Name	M/s Yong Enterprises
GST No	32AABFY3433A1ZT
Installation & Delivery Period	12 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
#TC 9/2126 MLR-4 - Mangalam Lane Sasthamangalam Trivandrum - 695010	Contact Person	Shabin V.P
	Phone	04714018844
	Mobile No	7593806112,9745731999
	Email	sales@yongindia.in, md@yongindia.in

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>Biomedical waste Incinerator</b> <i>Model &amp; Make : Yong Enterprises</i>	2183000 Incl.GST :9%	152810	2335810
2	<b>Rate for Chimney and its foundation and installation charges</b>	590000 Incl.GST :18%	41300	631300
3	<b>Installation of incinerator and all other accessories including the cost of foundation, platform for the machine and accessories and internal plumbing, cabling and fixing of breakers / switches required for the installation of equipment and accessories (Turnkey rate)</b>	413000 Incl.GST :18%	28910	441910
		<b>3186000</b>	<b>223020</b>	<b>3409020</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>Annual / Comprehensive Maintenance Charges (Exl.Tax)</b>							
<b>Biomedical waste Incinerator</b>							
<b>Labour</b>	1,38,650.00	1,38,650.00	1,38,650.00	1,38,650.00	1,38,650.00	1,38,650.00	1,38,650.00
<b>Comprehensive</b>	2,21,840.00	2,21,840.00	2,21,840.00	2,21,840.00	2,21,840.00	2,21,840.00	2,21,840.00

### **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% 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 :Biomedical waste Incinerator**

- I. Should have Electrical incinerator / 300kg/hour capacity
- II. Should have fabricated with minimum 6mm Thick – IS 2042 & IS 2062 Grade Ms Plate with required channels & Angels
- III. The incinerator system should have fully Automatic & consist of the following :
  1. Automatic waste feeding system
  2. Combustion chamber (primary) made from IS 2042 grade mild steel materials duly lined with High Alumina Fire bricks (better than IS-8 standard)
  3. Combustion chamber (secondary) made from IS 2042 grade mild steel materials duly lined with High Alumina Fire Bricks 9better than IS-8 standard)
  4. Fully automatic electric heating coils with all respect for primary & secondary chambers
  5. Ash cum maintenance doors for the chambers. MS IS 2062 Grade Lining with High Grade Castable cement
  6. F.D Fan/ Centrifugal Air Blower with electric motor
  7. Cyclone dust collector
  8. Flue gas scrubbing system (west scrubber) with fibration and circulation tank
  9. Flue as ventury/ quenching system (stainless steel 316) with tank
  10. Droplet separator : 6mm thick – Ms plate fabricated with metal eliminators inside

11. Circulation pumps with electric motor for above systems
12. ID fan with SS impellers connected with electric motor
13. Chimney : 30 meters / 100 Feet Height, self supported M.S. 10mm to 5mm Thickness & 600mm to 400 mm as per the requirements
14. Duct line connected from combustion chamber to scrubber, to ID fan & Chimney
15. Control panel with suitable box made from sheet materials, mounting plates fitting and key ignition transformer, hooter, PVC channel, control fuse, over load relay, indicating lamp, temperature controller cum indicator for primary & secondary chamber, temperature indicators etc. completely fitted and wired. The panel shall have audio visual alarm for any abnormal operation which makes operation safe and sound
16. Required pipe line and valve fittings
17. Painting : all the equipments & components should be coated with 2 coats of epoxy heat resistance paint
18. Safety interlocks : safeties and interlock control will be incorporated with the incinerator system
19. Operating standards and emission standards as per biomedical & waste management & handling) rules 2016 under schedule V
20. Minor civil works to fix/ install the machine shall be done by bidders
21. The required power will be terminated in a single location with a TPN in the proposed site. The required wiring panels/ MCCB/RCCB circuit breakers for installing the machine shall be done by the bidder.
22. The waterline/drainage will be provided at one single point in the proposed room. The plumbing from this point to the machine/back shall be done by the bidder at free of cost.
23. The hospital authorities shall provide a building with PCC flooring, water inlet and outlet at a single point in the building and the required power will be terminated in the given building at a single point with a TPN/ breaker. The bidder shall provide the plan of the required building in the tender.
24. The bidder shall do the civil works wherever required for the installation of the equipment and its parts/accessories including foundation & Platform of the incinerator, Installation of control panel, Foundation and installation of the chimney, caustic dosing tank, etc. The bidder shall also do cabling and fixing of breakers / switches required for the installation of the equipment and its accessories. The rate shall be offered in the BOQ.