



महाराष्ट्र शासन  
नगर विकास विभाग,  
हुतात्मा राजगुरु चौक, मादाम कामा मार्ग,  
४ था मजला, मुख्य इमारत, मंत्रालय, मुंबई-३२.

दूरध्वनी क्रमांक :- ०२२-२२८२०४६०

Email ID :-shankar.jadhav@nic.in

ब्रा. संकिर्ण-२०२१/प्र.क्र.१४९/नवि-२०

दिनांक:- ०७ मे, २०२१

प्रति,

- १) आयुक्त, (सर्व महानगरपालिका)
- २) आयुक्त तथा संचालक,  
नगर परिषद प्रशासन संचालनालय,  
वरळी मुंबई

**विषय:-** कोविड-१९ च्या पार्श्वभूमीवर Biomedical waste Management च्या अनुरंगाने कार्यवाही करण्याबाबत.

महोदय,

१. कोविडमुळे होणारा संसर्ग टाळण्यासाठी, Biomedical waste Management व्यवस्थितरित्या करण्यासाठी GEM PORTAL वर UV/Microware based sanitizing equipment उपलब्ध आहेत. त्याची माहिती सोबत जोडली आहे. आपणाही GEM PORTAL वर याची तातडीने खातरजमा करावी.
२. GEM PORTAL वरील UV/Microware based sanitizing equipment ची आवश्यकतेनुसार विहित पद्धतीने खरेदी करून सदर उपकरणे CCC/DCHC/DCH अशा ठिकाणी ठेवून Biomedical waste दी अंतिम विल्हेवाट लावण्यापूर्वी शक्यतोवर प्रक्रिया (Sterilization) करून पाठवावे. जेणेकरून पुढील होणारा संसर्ग टाळता येईल.
३. Biomedical waste आता मोळ्या प्रमाणात वाढत असल्याने त्याची विल्हेवाट शास्त्रीय पद्धतीने करण्यासाठी Biomedical Waste Management Rule २०१८ नुसार Action Plan तयार करून त्याची तात्वगळ अंमलबजावणी करावी.
४. Faecal sewage / sludge management करण्याबाबत उपाययोजना कराव्यात व संबंधितांना धावाबद्दल दक्षता घेण्याच्या सूचना द्याव्यात. Faecal Sludge Treatment बाबत दिनांक ०८/११/२०१९, १९/०४/२०२१ व ०६/०५/२०२१ च्या शासन निर्णयानुसार तातडीने कार्यवाही करण्यात यावी.
५. सदर बाबींकरिता येणारा खर्च १४/१५ वा वित्त आयोगाच्या घनकचरा व्यवस्थापनाकरिता राखीव ठेवलेल्या निधी, प्रोत्साहन अनुदान किंवा नागरी स्थानिक स्वराज्य संस्थेच्या स्वनिधी, वैशिष्ट्यपूर्ण योजनेखालील निधी अथवा घनकचरा व्यवस्थापनाच्या मंजूर सविस्तर प्रकल्प अहवालामधील निधीमधून भागविण्यात यावा.

६. कोरोनाचा वाढता प्रसार / प्रादुर्भाव रोखण्यासाठी उपरोक्त सूचनांची काटेकोरपणे अंमलबजावणे करावी.
७. घरी quarantined असलेल्या रुग्णांच्या घरातून घनकचरा स्वतंत्रपणे गोळा करून त्याची विलहेवाट लावण्यासाठी यंत्रणा उभी करावी.

आपला,

(शंकर न्यून, जाधव)

उप सचिव, महाराष्ट्र शासन

# Draft UV/ Microwave Disinfection/ Sanitization unit Report

## SANMIT Brand Equipment

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
<b>UV/ Microwave based sanitizing equipment's</b>									
1		<p><b>Ultraviolet Radiation (UVR) And Microwave Dual Disinfection System</b>  <b>SANMIT INFRA LIMITEDR (SAN-MIT-TT)</b>  (5 LTRS)</p> <p><a href="https://mfp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-41118518944-cat.html#variant_id=5116877-41118518944">https://mfp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-41118518944-cat.html#variant_id=5116877-41118518944</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	Not mentioned	24 Hrs	Yes	Rs 28,80,000/- per Unit	Any

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
2		<p><b>Ultraviolet Radiation (UVR) And Microwave Dual Disinfection System</b>  <b>SANMIT INFRA LIMITEDR</b>  <b>(HBMW/50)</b>  <b>(50 LTRS)</b>  <a href="https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-94650652791-cat.html#variant_id=5116877-94650652791">https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-94650652791-cat.html#variant_id=5116877-94650652791</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	2 M <sup>2</sup>	Not mentioned	24 Hrs	Yes	Rs 63,00,000/- per Unit	Any
3		<p><b>Ultraviolet Radiation (UVR) And Microwave Dual Disinfection System</b>  <b>SANMIT INFRA LIMITEDR</b>  <b>(SAN-MIT-75)</b>  <b>(75 LTRS)</b>  <a href="https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-4872626033-cat.html#variant_id=5116877-4872626033">https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-4872626033-cat.html#variant_id=5116877-4872626033</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	2 M <sup>2</sup>	Not mentioned	24 Hrs	Yes	Rs 87,00,000/- per Unit	Any

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
4		<p><b>Ultraviolet Radiation (UVR) And Microwave Dual Disinfection System</b></p> <p>SANMIT INFRA LIMITED DR <b>(HBMW/20)</b> (20 LTRS)</p> <p><a href="https://mfp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-20868935945-cat.html#variant_id=5116877-20868935945">https://mfp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-20868935945-cat.html#variant_id=5116877-20868935945</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	2 M <sup>2</sup>	Not mentioned	24 Hrs	Yes	Rs 40,50,000/- per Unit	Any

# Draft UV/ Microwave Disinfection/ Sanitization unit Report

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
<b>UV/ Microwave based sanitizing equipment's</b>									
1	 A white vertical sterilizer cabinet with a glass door. The brand name 'Bio Gene' is printed above the door, and 'UV STERILIZER' is printed below it.	<p>BioGene 4 UV Lamp Single Door (1) MS sheet Ultra Violet (UV) Cabinet for Sterilization</p> <p>Shortwave UV-C germicidal type</p> <p>60 second cycle for sanitization</p> <p>80-liter capacity</p> <p><a href="https://mfp.gem.gov.in/ultra-violet-uv-cabinet-sterilization/uv-chamber-sterilization/p-5116877-71829831567-cat.html#variant_id=5116877-71829831567">https://mfp.gem.gov.in/ultra-violet-uv-cabinet-sterilization/uv-chamber-sterilization/p-5116877-71829831567-cat.html#variant_id=5116877-71829831567</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	15 Watt	24 Hrs	Yes	Rs 88,000/- per Unit	Any
2	 A black rectangular sterilizer case with 'Godrej' and 'UV CASE' printed on it.	<p><b>GODREJ SECURITY SOLUTIONS</b></p> <p>3 UV Light Tube Single Door(1) Stainless Steel Ultra Violet(UV) Cabinet for Sterilization</p> <p>GODREJ SECURITY SOLUTION SR (Godrej UV CASE 40 LTRS)</p> <p><a href="https://mfp.gem.gov.in/medical-equipments-accessories-supplies/godrej-uv-case-40-ltrs/p-5116877-23108166825-cat.html#variant_id=5116877-23108166825">https://mfp.gem.gov.in/medical-equipments-accessories-supplies/godrej-uv-case-40-ltrs/p-5116877-23108166825-cat.html#variant_id=5116877-23108166825</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	11 Watt	24 Hrs	Yes	Rs 11,000 /- per Unit	Any

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
3		<b>GODREJ SECURITY SOLUTIONS</b> 3 UV Light Tube Single Door(1) Stainless Steel Ultra Violet(UV) Cabinet for Sterilization  <b>GODREJ SECURITY SOLUTION SR</b> (Godrej UV CASE 20 LTRS)  <a href="https://mkp.gem.gov.in/medical-equipments-accessories-supplies/godrej-uv-case-20-ltrs/p-5116877-59244273032-cat.html#variant_id=5116877-59244273032">https://mkp.gem.gov.in/medical-equipments-accessories-supplies/godrej-uv-case-20-ltrs/p-5116877-59244273032-cat.html#variant_id=5116877-59244273032</a>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	11 Watt	24 Hrs	Yes	Rs 6,500 /- per Unit	Any
4		<b>GODREJ SECURITY SOLUTIONS</b> 3 UV Light Tube Single Door(1) Stainless Steel Ultra Violet(UV) Cabinet for Sterilization  <b>GODREJ SECURITY SOLUTION SR</b> (Godrej UV CASE 54 LTRS)  <a href="https://mkp.gem.gov.in/medical-equipments-accessories-supplies/uv-case-54-ltrs/p-5116877-98645450863-cat.html#variant_id=5116877-98645450863">https://mkp.gem.gov.in/medical-equipments-accessories-supplies/uv-case-54-ltrs/p-5116877-98645450863-cat.html#variant_id=5116877-98645450863</a>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	11 Watt	24 Hrs	Yes	Rs 23,000 /- per Unit	Any

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
5		<p><b>Ultraviolet Radiation (UVR) And Microwave Dual Disinfection System</b>  <b>SANMIT INFRA LIMITEDR</b>  <b>(SAN-MIT-TT)</b>  <b>(5 LTRS)</b></p> <p><a href="https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-41118518944-cat.html#variant_id=5116877-41118518944">https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-41118518944-cat.html#variant_id=5116877-41118518944</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	Not mentioned	24 Hrs	Yes	Rs 28,80,000/- per Unit	Any
6		<p><b>Ultraviolet Radiation (UVR) And Microwave Dual Disinfection System</b>  <b>SANMIT INFRA LIMITEDR</b>  <b>(HBMW/50)</b>  <b>(50 LTRS)</b></p> <p><a href="https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-94650652791-cat.html#variant_id=5116877-94650652791">https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-94650652791-cat.html#variant_id=5116877-94650652791</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	2 M <sup>2</sup>	Not mentioned	24 Hrs	Yes	Rs 63,00,000/- per Unit	Any

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
7		<p><b>Ultraviolet Radiation (UVR) And Microwave Dual Disinfection System</b></p> <p>SANMIT INFRA LIMITEDR <b>(SAN-MIT-75)</b> (75 LTRS)</p> <p><a href="https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-4872626033-cat.html#variant_id=5116877-4872626033">https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-4872626033-cat.html#variant_id=5116877-4872626033</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	2 M <sup>2</sup>	Not mentioned	24 Hrs	Yes	Rs 87,00,000/- per Unit	Any
8		<p><b>Ultraviolet Radiation (UVR) And Microwave Dual Disinfection System</b></p> <p>SANMIT INFRA LIMITEDR <b>(HBMW/20)</b> (20 LTRS)</p> <p><a href="https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-20868935945-cat.html#variant_id=5116877-20868935945">https://mkp.gem.gov.in/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/ultra-violet-radiation-uvr-microwave-dual-disinfection-system/p-5116877-20868935945-cat.html#variant_id=5116877-20868935945</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	2 M <sup>2</sup>	Not mentioned	24 Hrs	Yes	Rs 40,50,000/- per Unit	Any

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
<b>Medical Waste Sanitzations and Shredding</b>									
9	 A white and blue industrial machine labeled "STERILWAVE 100". It has a control panel on the left and a large blue side panel. A grey waste bin is positioned below it.	<p><b>Bertin Microwave Disinfectant system for disposal of Hospital waste (Bio-medical waste) - (MHA Spec)</b> capacity upto 30 lit/cycle for 200 bedded Hospital  BertinR (STERILWAVE 100)  For Upto 300 Bed Hospital</p>	In Hospital for sanitization of waste before disposal	Not mentioned	Not mentioned	24 Each cycle 30 mins	Yes	Rs 99,56,250/- per Unit	Any
10	 A green industrial machine labeled "STERILWAVE 250". It has a yellow trash bin next to it and a control panel on the left.	<p><b>Bertin Automatic Biomedical Waste Treatment Plant Capacity 500L/h (Up to 50 Kg/h)</b>  BertinR (STERILWAVE 250)</p>	In Hospital for sanitization of waste before disposal	10-12 sq.m Ceiling height: 2.2 m	400V/ 3-Phase, 63A	24 Each cycle 30 mins	Yes	Rs 99,56,250/- per Unit	Any

# Draft UV/ Microwave Disinfection/ Sanitization unit Report

## Other Suppliers and Similar Products

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
<b>UV/ Microwave based sanitizing equipment's</b>									
1	 A stainless steel cabinet with a glass door. The door has a blue-tinted window and the brand name "Bio Gene" and "UV STERILIZER" printed on it. The interior of the cabinet is visible through the glass, showing a dark, enclosed space.	<p>BioGene 4 UV Lamp Single Door (1) MS sheet Ultra Violet (UV) Cabinet for Sterilization</p> <p>Shortwave UV-C germicidal type</p> <p>60 second cycle for sanitization</p> <p>80-liter capacity</p> <p><a href="https://mfp.gem.gov.in/ultra-violet-uv-cabinet-sterilization/uv-chamber-sterilization/p-5116877-71829831567-cat.html#variant_id=5116877-71829831567">https://mfp.gem.gov.in/ultra-violet-uv-cabinet-sterilization/uv-chamber-sterilization/p-5116877-71829831567-cat.html#variant_id=5116877-71829831567</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	15 Watt	24 Hrs	Yes	Rs 88,000/- per Unit	Any

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
2		<b>GODREJ SECURITY SOLUTIONS</b> 3 UV Light Tube Single Door(1) Stainless Steel Ultra Violet(UV) Cabinet for Sterilization  <b>GODREJ SECURITY SOLUTION SR</b> (Godrej UV CASE 40 LTRS) <a href="https://mfp.gem.gov.in/medical-equipments-accessories-supplies/godrej-uv-case-40-ltrs/p-5116877-23108166825-cat.html#variant_id=5116877-23108166825">https://mfp.gem.gov.in/medical-equipments-accessories-supplies/godrej-uv-case-40-ltrs/p-5116877-23108166825-cat.html#variant_id=5116877-23108166825</a>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	11 Watt	24 Hrs	Yes	Rs 11,000 /- per Unit	Any
3		<b>GODREJ SECURITY SOLUTIONS</b> 3 UV Light Tube Single Door(1) Stainless Steel Ultra Violet(UV) Cabinet for Sterilization  <b>GODREJ SECURITY SOLUTION SR</b> (Godrej UV CASE 20 LTRS) <a href="https://mfp.gem.gov.in/medical-equipments-accessories-supplies/godrej-uv-case-20-ltrs/p-5116877-59244273032-cat.html#variant_id=5116877-59244273032">https://mfp.gem.gov.in/medical-equipments-accessories-supplies/godrej-uv-case-20-ltrs/p-5116877-59244273032-cat.html#variant_id=5116877-59244273032</a>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	11 Watt	24 Hrs	Yes	Rs 6, 500 /- per Unit	Any

S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
4		<p><b>GODREJ SECURITY SOLUTIONS</b> 3 UV Light Tube Single Door(1) Stainless Steel Ultra Violet(UV) Cabinet for Sterilization</p> <p><b>GODREJ SECURITY SOLUTION SR</b> (Godrej UV CASE 54 LTRS)</p> <p><a href="https://mfp.gem.gov.in/medical-equipments-accessories-supplies/uv-case-54-ltrs/p-5116877-98645450863-cat.html#variant_id=5116877-98645450863">https://mfp.gem.gov.in/medical-equipments-accessories-supplies/uv-case-54-ltrs/p-5116877-98645450863-cat.html#variant_id=5116877-98645450863</a></p>	In Hospital for sanitization of equipment's and uniforms/ materials	1 M <sup>2</sup>	11 Watt	24 Hrs	Yes	Rs 23,000 /- per Unit	Any

### Medical Waste Sanitations and Shredding

5		<p><b>Bertin Microwave Disinfectant system for disposal of Hospital waste (Bio-medical waste) - (MHA Spec)</b> capacity upto 30 lit/cycle for 200 bedded Hospital</p> <p><b>BertinR</b> (STERILWAVE 100)</p> <p>For Upto 300 Bed Hospital</p>	In Hospital for sanitization of waste before disposal	Not mentioned	Not mentioned	24 Each cycle 30 mins	Yes	Rs 99,56,250 /- per Unit	Any
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S.No	Equipment Image	Technical Specification	Used for	Area Required	Rating of the Machine	Shift in hrs.	Availability on GeM	Approx. Unit Cost	Used in Cities with Population of other criteria
6	A green industrial waste treatment unit labeled 'STERILWAVE 250' with a yellow trash bin next to it.	<b>Bertin Automatic Biomedical Waste Treatment Plant Capacity 500L/h (Up to 50 Kg/h)</b> <b>BertinR</b> <b>(STERILWAVE 250)</b>	In Hospital for sanitization of waste before disposal	10-12 sq.m Ceiling height: 2.2 m	400V/ 3-Phase, 63A	24 Each cycle 30 mins	Yes	Rs 99,56,250/- per Unit	Any