



शासकीय चिकित्सा महाविद्यालय जबलपुर

लव-कुश नगर, मूंदी रोड, खण्डवा (म.प्र.) 450001, दूरभाष- 0733.2245000, 2245001

Email: deanmckhandwa@gmail.com, Website: www.gmckhandwa.org

Annual Requirement of Kits, Chemicals, Consumables & Other items for COVID -19 Testing.

S. No	Name of Items	Specifications	Pack Size	Unit Rate	GST %	GST Amount	Total Amount
1.	Autoclavable Biohazard Bag, Large size, Dimension 483 x 584 cms	Bags should be Autoclavable at 121 degree C, Should be in 2 thickness of polypropylene, Printed with Biohazard warning symbol, Should fulfill M.P Pollution Control Board norms WITH INDICATOR LABELLED SIZE 2X2"					
2.	Autoclavable Biohazard Bag, Medium size, Dimension 356 x 483 cms	Bags should be Autoclavable at 121 degree C, Should be in 2 thickness of polypropylene, Printed with Biohazard warning symbol, Should fulfill M.P Pollution Control Board norms WITH INDICATOR LABELLED SIZE 2X2"					
3.	Autoclavable Biohazard Bag, Small size, Dimension 203 x 305 cms	Bags should be Autoclavable at 121 degree C, Should be in 2 thickness of polypropylene, Printed with Biohazard warning symbol, Should fulfill M.P Pollution Control Board norms WITH INDICATOR LABELLED SIZE 2X2"					
4.	Cryobox	Capacity 100 places/ for 100 tubes (2.5 ml), polypropylene, for storage of samples at minus 80 degree C / minus 20 degree C -hinges Type					
5.	Cryogenic vials, 1.8 ml,	sterile, internal thread ,as per LATA - Self Standing RAW MATERIAL SHOULD BE USE FDA APPROVED					
6.	Ethanol	99% Ethyl alcohol (Molecular Grade)					
7.	Hand Sanitizer	Containing 70 - 80 % ethyl alcohol Concentration					
8.	Latex Sterile Gloves	Size No. 6.5					
9.	Latex Sterile Gloves	Size No. 7					
10.	Latex Sterile Gloves	Size No. 7.5					
11.	Latex Sterile Gloves	Size No. 8					

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12.	Powder free Sterile Nitrile Gloves, Large size No.7.5	ISO 9001 certified & FDA approved, CE Marked- EN455 & AQL 1.5, Should provide high degree of puncture and chemical resistance				
13.	Powder free Sterile Nitrile Gloves, Small size No. 6.5	ISO 9001 certified & FDA approved, CE Marked- EN455 & AQL 1.5, Should provide high degree of puncture and chemical resistance				
14.	Powder free Sterile Nitrile Gloves, Medium size No. 7	ISO 9001 certified & FDA approved, CE Marked- EN455 & AQL 1.5, Should provide high degree of puncture and chemical resistance				
15.	Triple Layer Mask	Three layered medical mask of nonwoven material with nose piece, having filter efficiency of 99% for 3 micron particle size. Strings (Non Elastic)				
16.	Yellow Red Bag with Biohazard sign,	Large size, Dimension 483 x 584 cms				
17.	PPE Kit Large Size	<p>1.1 Overall (medium and large)*</p> <ul style="list-style-type: none"> • Impermeable to blood and body fluids • Single use • Avoid culturally unacceptable colors e.g. black • Light colors are preferable to better detect possible contamination • Thumb/finger loops to anchor sleeves in place • Quality compliant with following standard <ol style="list-style-type: none"> a. Meets or exceeds ISO 16603 class 3 exposure pressure, or equivalent <p>1.2. N-95 Masks</p> <ul style="list-style-type: none"> • Shape that will not collapse easily • High filtration efficiency • Good breathability, with expiratory valve • Quality compliant with standards for medical N95 respirator: <ol style="list-style-type: none"> a. NIOSH N95, EN 149 FFP2, or equivalent • Fluid resistance: minimum 80 mmHg pressure based on ASTM F1862, ISO 22609, or equivalent • Quality compliant with standards for particulate respirator that can be worn with fullface shield <p>1.3. Shoe Covers</p> <ul style="list-style-type: none"> • Made up of the same fabric as of overall • Should cover the entire shoe and reach above ankles <p>1.4. Face Shield</p> <ul style="list-style-type: none"> • Made of clear plastic and provides good visibility to both the wearer and the patient • Adjustable band to attach firmly around the head and fit snugly 				


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	<p>against the forehead</p> <ul style="list-style-type: none"> • Fog resistant (preferable) • Completely covers the sides and length of the face • May be re-usable (made of material which can be cleaned and disinfected) or disposable • Quality compliant with the below standards, or equivalent: <p>a. EU standard directive 86/686/EEC, EN 166/2002 b. ANSI/SEA 287.1-2010</p>					
18.	<p>PPE Kit Medium Size</p>	<p>1.1 Overall (medium and large)*</p> <ul style="list-style-type: none"> • Impermeable to blood and body fluids • Single use • Avoid culturally unacceptable colors e.g. black • Light colors are preferable to better detect possible contamination • Thumb/finger loops to anchor sleeves in place • Quality compliant with following standard a. Meets or exceeds ISO 16603 class 3 exposure pressure, or equivalent 	<p>1.2. N-95 Masks</p> <ul style="list-style-type: none"> • Shape that will not collapse easily • High filtration efficiency • Good breathability, with expiratory valve 	<p>1.3. Shoe Covers</p> <ul style="list-style-type: none"> • Made up of the same fabric as of overall • Should cover the entire shoe and reach above ankles 	<p>1.4. Face Shield</p> <ul style="list-style-type: none"> • Made of clear plastic and provides good visibility to both the wearer and the patient • Adjustable band to attach firmly around the head and fit snugly against the forehead • Fog resistant (preferable) • Completely covers the sides and length of the face • May be re-usable (made of material which can be cleaned and disinfected) or disposable • Quality compliant with the below standards, or equivalent: <p>a. EU standard directive 86/686/EEC, EN 166/2002 b. ANSI/SEA 287.1-2010</p>	

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19.	N-95 Mask (Large Size per fitting with Airseal Check)	<ul style="list-style-type: none"> • Shape that will not collapse easily. • High filtration efficiency. • Good breathability, with expiratory valve. • Quality compliant with standards for medical N95 respirator.a. NIOSH N95, EN 149 FFP2, or equivalent. • Fluid resistance: minimum 80 mmHg pressure based on ASTM F1862, ISO 22609, or equivalent. • Quality compliant with standards for particulate respirator that can be worn with fullface shield. 					
20	N-95 Mask (Medium Size as per fitting with Airseal Check)	<ul style="list-style-type: none"> • Shape that will not collapse easily. • High filtration efficiency. • Good breathability, with expiratory valve. • Quality compliant with standards for medical N95 respirator.a. NIOSH N95, EN 149 FFP2, or equivalent. • Fluid resistance: minimum 80 mmHg pressure based on ASTM F1862, ISO 22609, or equivalent. • Quality compliant with standards for particulate respirator that can be worn with fullface shield 					
21.	Face Shield	<p>Made of clear fiber and provides good visibility to both the wearer and the patient. • Adjustable band to attach firmly around the head and fit snugly against the forehead. • Fog resistant (preferable). <ul style="list-style-type: none"> • Completely covers the sides and length of the face </p>					
22.	Filter Barrier Tips for 0.5-10 µl auto pipettes,	<p>Sterile, low retention aerosol barrier tips, Racked filter tip in box format, 0.5 µl - 10 µl Universal Graduation, DNAase/ RNA ase free compatible With auto pipette- Gamma Sterile radiation procedure calidated ACCORDANCE TO EN-ISO11137- 2 and filer porosity should be 0.13 micron</p>					
23.	Filter Barrier Tips for 100 µl - 1000 µl auto pipette,	<p>Sterile, low retention aerosol barrier tips, Racked filter tip in box format, 100 µl - 1000 µl Universal Graduation, DNAase/ RNAase free compatible With auto pipetteGamma Sterile radiation procedure calidated ACCORDANCE TO ENISO11137-2 and filer porosity should be 0.13 micron</p>					
24.	Filter Barrier Tips for 10-100 µl pipette,	<p>Sterile, low retention aerosol barrier tips, Racked filter tip in box format, 10 µl - 100 µl Universal Graduation, DNAase/ RNAase free compatible With ependrof pipette- Gamma Sterile radiation procedure calidated ACCORDANCE TO EN-ISO11137- 2 and filer porosity should be 0.13 micron</p>					
25.	Filter Barrier Tips for 2 µl to 20 µl auto pipette,	<p>Sterile, low retention aerosol barrier tips, Racked filter tip in box, 2 µl - 20 µl Universal Graduation, DNAase/ RNAase free compatible With auto pipette- Gamma Sterile radiation procedure calidated ACCORDANCE TO EN-ISO11137-2 and filer porosity should be 0.13 micron</p>					

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26.	Filter Barrier Tips for 20 µl to 200 µl auto pipette,	Sterile, low retention aerosol barrier tips, Racked filter tip in box format, 20 µl - 200 µl Universal Graduation, DNase/ RNAase free compatible With auto pipette- Gamma Sterile radiation procedure caldated ACCORDANCE TO EN-ISO11137- 2 and filer porosity should be 0.13 micron					
27.	Micro centrifuge Tube 1.5 ml,	Polypropylene tubes, resistance to chemicals, mechanical stress and temperature extremes, autoclavable, DNase, RNase/ Endotoxin free with stands upto 20000G force. WITH LOW RETANTION PROPERTY					
28.	Microcentrifuge tube rack	(24 tubes capacity) for 1.5ml / 2ml tube					
29.	Nuclear Free Water	RT-PCR Grade Water, specifically purified, double- distilled, deionized and autoclaved., The water does not contain detectable amounts of nucleic acid. It is routinely tested in PCR with conventional thermal cycler instrument., The water is specially tested and qualified for use in all PCR or RT PCR..					
30.	Sterile Pasteur pipettes, 3ml Capacity	Individually wrapped , raw Material US FDA Approved					
31.	Tissue Paper Roll	Length (25 Mtrs) x Width (approx 3- 4 Inchs) x thickness (2 Ply)					
32.	96 well microtitre PCR plate having 0.1 ml microtubes	Ultra smooth, uniform, thin walled polypropylene 0.1ml tubes compatible for Thermo fisher PCR machine 96 microtitre well					
33.	Adhesive PCR Plate Seals for 96 well microtitre PCR plate	Adhesive PCR Plate Seals should be strong PET/acrylic adhesive film that prevents evaporation during PCR cycling & its transparency allow for through sample inspection. There should not be any residue left on the plate after its removal.					
34.	PCR Microplate Centrifuge for 96 well microtitre PCR plate	It should be compatible for centrifugation of 96 well microtitre PCR plate					
35.	0.2 mi PCR tube	It should be autoclavable & Compatible for Rotor Gene Q PCR machine for PCR amplification cycle.					
36	Thermomixer (Shaker water bath/ shaker water heater)	It should be compatible for RT PCR test procedure. ThermoMixer should have excellent mixing performance with excellent temperature control to ensure complete, dependable and reproducible test results. It should improve test assay results by mixing and incubating samples at the same time.					

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37.	Yellow color Discard Boxes/Dustbins for waste disposal	These should be according to Madhya Pradesh Pollution Control Board Guideline						
38.	Thermocol box(1feet X1feet X1feet)	These should be suitable for transportation of samples and other laboratory materials and of 1feet X 1feet X 1feet size .						
39.	Cryovial rack (Thermocol with 100 wells)	These thermocol rack should be suitable for keeping cryovials of 2ml size and compatible for keeping in -80°C deep fridge						
40.	Multi tube rack stand box	These rack should be suitable for keeping cryovials , microcentrifuge tube , VTM vials and it should be of good quality , resistance to chemicals, mechanical stress and temperature extremes.						
41.	Micro Pipette Stand	These micro Pipette Stand should be useful for keeping Pipettes of different -different size and should be of good quality ,resistance to chemicals, mechanical stress and temperature extremes.						



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