

To all participant of tender no: ICB/PSA6/Covid 19 supplies/MOH/MS/07/20

**Subject : Amendment and Response for Requested Clarification**

Clarification is made to the tender reference number mentioned above as follows:

1. For all items the technical qualification, competence and experience of the bidders must be according to ITB Clause 16 of section 3
2. All foreign bidders shall be requested to quote their price in DDP Incoterms the final destination is EPSA Addis Ababa Warehouse.
3. In page No.2 of 4 Section 3 ITB close 15 financial evaluation of the bidder A is not applicable.
4. The delivery schedule stated in ITB Clause 14 of section 3 is ammended to bidder shall deliver thier awared within 15-30 days after contract signing date and the Letter of Ccredit will be opened after signing the contract.
5. In page No.3 of 4 Section 3 "Only original manufacturer catalogues with detailed specification are accepted" is not applicable for this tender.
6. The performance security is the same as performance bond and it is 10 percent of the award price.
7. The bid security is the same as bid bond and the required amount is stated in the bid document ITB 22.1 of section 2.
8. Sample of the qouated products may not requested now but if its needed we request officially.
9. In technical specification page 2,3 and 4 of 10 and the delivery schedule page 5 and 6 of 10 is adjusted and similarly there is an ammendment in the quantity as follows:



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Ref. No.

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Date

NB:- The tender closing and opening date mentioned under ITB 26.1 and ITB 29.1 are extended to May 20,2020G.C.

With Regards,



Seifu Isa Binagde  
Pharmaceuticals and Medical  
Supplies Tender Management  
Directorate Director

Cc:

- Operation Deputy Director General
- Tender Management Directorate
- Chemical and Medical Supplies case team

EPSA



## Technical Specification

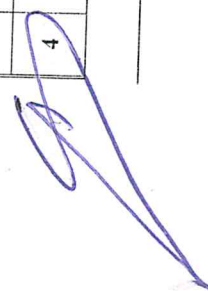
Item No.	International Nonproprietary Name (INN) or Generic Name	Description	Strength in Metric Units	Basic Unit	Quantity	No of bidders to be awarded	No. of Packages	Bidder's Offer		Bidder's Remark on Compliance of Specification Offered	Evaluation Committee's Remark		Observations
								The Name of the Original Manufacturer	Specification Offered		Overall Compliance	Remark	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>COVID 19 protection Medical Supplies</b>													
1		Reusable Face Mask		Piece	8,235,675	4							
2		Face Mask Adult- Standard Size (Surgical Mask):-		50	2,600,000	4							
3		RESPIRATOR, mask, FFP2/N95, type IIR, s.u., unvalved, noseclip:-		20	168,690	2							
4		Cover all		Each	1,200,582	3							
5		Large biohazard waste bags 37x48CM		200/case	6,550	1							
6		Nasal Oxygen cannula, 2.1m 2prongs + tube, adult		Each	3,250	1							
7		Goggle Eye Plastic		Each	100,122	2							
8		Glove Examination Nitrile non powdered -Medium		50 pairs	1,955,352	3							



9	Glove Heavy Duty Latex (Disposable) - medium	pairs	72,000	1						
10	Glove Heavy Duty Latex (Disposable) - large	pairs	72,000	1						

### Delivery and Completion Schedule

Item No.	International Nonproprietary name (INN) or Generic Name	Description	Strength in Metric Units	Basic Unit	Quantity	Package Size	No. of Packages	Delivery Completion period (days/weeks/months)	Delivery Location/Site
1	2	3	4	5	6	7	8	9	10
1		Reusable Face Mask		Piece	8,235,675				
2		Face Mask Adult- Standard Size (Surgical Mask):-		50	2,600,000				
3		RESPIRATOR, mask, FFP2/N95, type IIR, s.u., unvalved, noseclip:-		20	168,690				
4		Cover all		Each	1,200,582			Within 15-30 days after LC opening ( for	



Item No.	International Nonproprietary name (INN) or Generic Name	Description	Strength in Metric Units	Basic Unit	Quantity	Package Size	No. of Packages	Delivery Completion period (days/weeks/months)	Delivery Location/Site
1	2	3	4	5	6	7	8	9	10
5		Large biohazard waste bags 37x48CM		200/case	6,550			all Items)	
6		Nasal Oxygen cannula, 2.1m 2prongs + tube, adult		Each	3,250				
7		Goggle Eye Plastic		Each	100,122				
8		Glove Examination Nitrile non powdered -Medium		50 pairs	1,955,352			Within 15-30 days after LC opening ( for all Items)	
9		Glove Heavy Duty Latex (Disposable) - medium		pairs	72,000				
10		Glove Heavy Duty Latex (Disposable) - large		pairs	72,000				

1. Technical Specification for Non-Clinical Face mask (For Public Use Only) - Reusable Face Mask.

1.1 Description

Non-Clinical Face mask- is non-clinical personal protective equipment (PPE) that reduces the chance of exposure to COVID-19 and other small particles by protecting communities from inhaling “droplets” of infectious agents. Non-clinical PPE can be made in two and three layers with technical specification as listed below.

1.2 Technical Specification

Characteristic		Technical Specification	
Material Composition	Mask body- three layers	Outer Layer	woven Polyester fabric, GSM- 120-160
		Filter Layer	Nonwoven (PP, PET), GSM< 80
		Inner Layer	knitted Cotton fabric, GSM <120
	Mask body- three layers	Outer Layer	woven Polyester fabric, GSM- 140-180
		Inner Layer	knitted Cotton fabric, GSM -150-180
		Nose clip	Fusing materials- <i>ማጠገኛ</i> , Aluminum(if locally available)
	Elastic Band	Polyurethane + Polyester and/or any textile fabric	
Color	Mask	Inner layer any light colour and outer layer dark colour	
	Elastic Band	Any colour	
Nose Clip Style	Flat Nose Clip		
Shape	Cone/ round/ oval- do not collapse against the mouth		
Dimension	Body Size	Length	131 mm
		Width	114.5 mm
		Height	50 mm
	Nose Clip	Length	88 mm
	Headband	Upper Length	300 mm
		Lower Length	280 mm

Note: -

- ◆ Sum of layers GSM in single mask can be 300 -350 (More construction may create breathing difficulty and lower may create fluid and aerosol filtration limitation)
- ◆ Elastic twill tape which hold with ear shall be relax enough for longer duration utilization
- ◆ All material used for non-clinical mask preparation shall be allergic free and skin friendly

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 - *Sum of layers*  
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1.3 Non-clinical Face Mask:- Fabric, trims and accessories quality requirement and Test Method

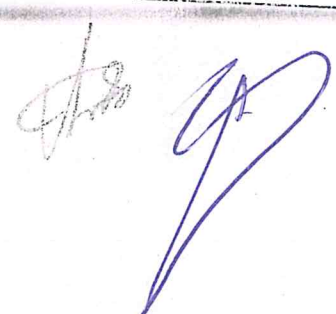
S/No	Inputs Type	Parameters	Specification	Test Method	Sample Size
1	Fabric	◦ Warp	30 Ne/	ISO and ASTM	
		◦ Weft	30 Ne/		
		Weight of fabric (GSM)	As per technical specification		
		Tensile strength in N			
		◦ Warp direction	500N		
		◦ Weft direction	450N		
		Abrasion Resistance/5000rubs/	4-5		
		Color fastness to Light	>5		
		Color fastness to washing	4-5		
		Color fastness to Dry Rubbing	4-5		
		Color fastness to Wet Rubbing	4		
		Color fastness to Perspiration	4-5		
		Color fastness to chlorinated water (optional)	4-5		
		Water Repellency (optional)	Good		
Dimensional stability (% warp x fill) (After 3 washes)	<5				
2	Sewing thread	Material composition/blend	100% polyester		
		Yarn count (D)	40/2		
		Fabrication/	Double twist		
		Tensile strength in N			
		Color fastness to Light	>=6		
		Color fastness to washing	4-5		
		Stitch per inch	10-12		
3	Twill tape elastic	Material composition/blend	90% polyester 10% spandex		
		Yarn count (Ne)	50Ne		

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		Color fastness to Light	$\geq 6$		
		Color fastness to washing	4-5		
		Elasticity recovering ) (After use & washes)	8+-2		
4	Non-woven(PP, PET)	Material composition	100% polyester/PP		
		Dimensional stability (% After wear & washes)	<1		
5	Poly bag	Material composition	Plastic		
		Size (optional)	(4*6) and (5*8) inch		
6	Carton	Size (optional)	Lx W x H (38*30*25) cm		

*Sumit Regal*





## 2. Technical Specification for Respirator, Mask, FFP2/N95, type IIR, S.U., UN-Valved, Nose Clip

### 2.1 Description

A **respirator** is personal protective equipment that prevents the wearer from inhaling aerosols (dust, smoke, mist) as well as vapors or gases (disinfectants, anesthetic gases) that are health hazards. It protects the wearer from airborne infectious agents i.e. against contamination by a virus such as corona virus, SARS, H1N1, etc.

It should be noted that respirators also protect those who wear them from inhaling “droplets” of infectious agents. Respirators can be disposable or reusable. In the second case, it is possible to replace the filter when it is full.

### 2.2 Technical Specification

Material Characteristic	Technical Specification			Test Method	Remark
Material Composition	Mask body	Outer Layer	Spun-bonded fabric	ISO1833-1	Fabrics can be produced from a thermoplastic polymer such as polyester, nylon, polypropylene, or polyethylene
		Filter Layer	Melt blown fabric		
		Inner Layer	Needle bonded fabric		
	Nose clip	Aluminum			
	Elastic Band	Polyurethane + Polyester or Polyester with Lycra		ISO1833-1	
Color	Mask	White			
	Elastic Band	Yellow or white			
Nose Clip Style	Flat Nose Clip				
Dimension	Body Size	Length	131 mm	ASTM D668-12	
		Width	114.5 mm		
		Height	50 mm		
	Nose Clip	Length	88 mm		
	Headband	Upper Length	300 mm		
		Lower Length	280 mm		

**Note:** - Respirator mask fits all face shapes, without inspiration/expiration air-leakage

- Weight can be preferably light weight (20 gm)

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 2. *Handwritten initials: "M"*


### 2.3 Quality Requirement and Test Method

S.N	Quality parameter	Standard value	Description	Test method
1.	Max. total inward leakage	8%	10 individual wearer arithmetic means	EN 149:2001 + A1:2009
		11 %	At least 46 out of the 50 individual exercise results	
2.	Min. Air borne particles filtration efficiency	94%	The filter penetration after loading the filter with 120 mg paraffin oil	
3.	Flammability	5 sec	Shall not burn or not to continue to burn for more than 5 s after removal from the flame.	
4.	Breathing Resistance	0.7 mbar, During Inhalation	At 30 l/min	
		2.4 mbar, During Inhalation	At 95 l/min	
		3 mbar, During Exhalation	At 160 l/min	

### 2.4 Required Test Equipment

1. Particle Filtration Efficiency Tester:- **Need to be purchased**
2. Flammability Tester:- **We have already this equipment**
3. Breathing resistance tester:- **Need to be purchased**

**Note:** - Detail specification of equipment, Apparatus and reagents required need to be further work out.

*Sunny Kefasa* 

3. Technical Specification for surgical, type IIR, level 2, S.U., non sterile, ear loop

3.1 Description

A surgical face mask is used to protect both surgical patients and operating room personnel from the transfer of microorganisms, body fluids and particulate material and also it should protect from germs coming from patients side.

3.2 Technical Specifications

Material Characteristic	Technical Specification			Test Method	References
Material Composition	Mask body	Outer Layer	Spun-bonded non-woven polypropylene fabric, GSM 18-20, Width-180mm	NIOSH procedures	WHO
		Filter Layer	Melt blown non-woven polypropylene fabric, GSM 25-30, Width-180mm		
		Inner Layer	Spun-bonded non-woven polypropylene fabric, GSM 25-30, Width-200mm		
	Nose clip	Aluminum			
	Elastic Band	Polyurethane + Polyester or Polyester with Lycra			ISO1833-1
Color	Mask	White			
	Elastic Band	Yellow or white			
Thickness	80 Micrometers (um), ±10%			ASTM D1777	
Nose Clip Style	Flat nose clip				
Dimension	Body Size	Length	131 mm	ASTM D668-12	
		Width	114.5 mm		
		Height	50 mm		
	Nose Clip	Length	88 mm		
		Headband	Upper Length		300 mm
	Lower Length		280 mm		

*Sumit R. Patil*

### 3.3 Quality Requirement, Test Method and required equipment

S.N.	Technical parameters	Requirement limits	Int. standards		Test equipment required
1	Bacterial filtration efficiency In Vitro (BFE)	BFE $\geq$ 98%	ASTM F2101-19	EN14683 Rating – Type IIR Standard.	Bacterial Filtration Efficiency Test Apparatus, autoclave, Incubator, Orbital Shaker, Refrigerator etc. see table 2
2	Particle filtration efficiency	PFE $\geq$ 98% @ 0.1 micron	ASTM F2299/F2299M-03(2017)		Bacterial and Aerosol Filtration Efficiency Test Apparatus
3	Breathability - Delta P	< 5.0 mm H <sub>2</sub> O/cm <sup>2</sup>	ASTM D737; (T2)		Differential Pressure Air (Delta P) Permeability Tester or Apparatus for measuring air resistance
4	Fluid Resistance	120 mmHg	ASTM F1862/F1862M-17		Fluid Resistance Test Apparatus
5	Flame Spread	Class 1	ASTM levels 1,2,3		Flammability Tester

Note: all testing apparatus and detail reagent requirement will be attached in Annex 1

- ▶ Pleat style with ear loops or ties
- ▶ Protective four-layer protection shall cover Nose , mouth and Chick with ear loop
- ▶ Splash resistant layer protection against blood and bodily fluids
- ▶ Color variety: with light and brighter coolers
- ▶ Shape: flat pleated
- ▶ Reusability disposable product, single use only
- ▶ Fluid-resistant medical or surgical mask high fluid resistance.
- ▶ Good breathability.
- ▶ Internal and external faces should be clearly identified.
- ▶ Structured design that does not collapse against the mouth (e.g. duckbill or cup shape)
- ▶ Quality compliant with standards, including for fluid resistance level and breathability (differential pressure): EN 14683 type IIR performance, or ASTM f2100 level 2 or level 3, or equivalent.
- ▶ For Surgical Mask, Type IIR - EN14683., Disp , it require 100% import finished pp material as there is no technology in fabric production (non-woven but garment manufacturing can be done in Ethiopian.

*Samuel Regassa*

*[Signature]*

# Technical Specifications a Quality Safety Coverall

## Technical Specification:

- A good quality Coverall is made from cotton or polycotton material.
- Coveralls have high visibility marks in arms, neck, and legs. It helps increase the visibility of the worker during day and night.
- The material surface can resist inorganic and organic liquids from going within.
- The coveralls are high-resistant to rubbing off or tearing. It is completely capable of keeping the protective properties intact.
- Coveralls are made with comfortable, light, breathable fabrics.
- The size range of safety clothes is versatile.

## Why should one invest in a good quality coverall?

- **Material:** It is made from a light material like cotton and Polycotton. It allows you to move freely.
- **Body Protection:** It is made with powerful safety properties. It offers ultimate body protection.
- **Durability:** It is a very durable product. It will provide a long time service.

*Handwritten signature: Sunil Redasa*

- **Provides Warmth:** These safety clothes can keep the body heated and warm. Special Features: It has a very efficient disposal method. The size of the cloth and weight is very convenient.
- **Use as a Uniform:** the safety overalls can be worn as an everyday work uniform because they come in various colors and designs.
- S:160CM M:165CM, L:170CM XL:175CM XXL:180CM, XXXL:185CM, XXXXL:190CM

*Sumi Redasa*

*✓*

# Technical Specifications a Biohazard bags

.Biohazard bags disposable – 37x48cm

*Spina Reposa.*

