

SUPPLY AND DELIVERY OF SARS-CoV-VIRUS SPECIES AND ANY OTHER COMMUNICABLE DISEASE OUTBREAK PERSONAL PROTECTIVE EQUIPMENT (PPE) TO TRANSNET NATIONAL PORTS AUTHORITY (TNPA) IN THE PORT OF PORT ELIZABETH & PORT OF NGQURA FOR A PERIOD OF 36 MONTHS - AS AND WHEN REQUIRED

PLEASE NOTE:

- **The service provider will be required to keep up to date with ALL changes related to SARS-CoV-VIRUS SPECIES PPE and other communicable disease outbreak and the supply thereof. There might be changes in the pandemic response subsequently resulting in the variation of some PPE items. The supplier is therefore required to make such provisions and even for items not listed in the scope.**

1. SCOPE OF WORK

- A bidder is requested to supply and deliver SARS-CoV-Viruses species and any other communicable disease Personal Protective Equipment (PPE) for TNPA- PoPE & PoN as specified below. It is imperative therefore to meet the requirements as listed in the specification and of those of the World Health Organisation (WHO). All equipment listed below must come with instructions for use, handling, and storage. The specification is intended to give the supplier a clear guide to ensure the specified product(s) is provided.
- Understandably, the provision of PPE standards and best practices may change for mitigating the spread of communicable diseases. Under these circumstances TNPA expects the service provider to stay abreast of the industry best practices and make recommendation where most recent standards of PPE are available.
- In certain circumstances, TNPA may also request the service provider, as the specialist provider of PPE, to provide training and awareness for use of the PPE during safety promotions. The facilitator of the training or awareness should have competency for training with training certificate from SETA accreditation.
- All samples of PPE Items must be shown to the Project Manager prior to the provision and supply of a major consignments.
- As part of COVID-19 screening, TNPA has purchased thirty-five (35) Thermal Cameras, for temperature screening at port access points, and the supplier must ensure that the annual calibration and resetting of these devices are executed. The supplier will be required to conduct the repairs thereof as and when required by TNPA. Calibration, resetting and repairs must be carried out at a reputable supplier having the necessary accreditation(s) as per device manual (HIKVISION) and specification (Refer to Figure 14 on page 9)
- Transnet branding will be required on certain items such as cloth masks and sanitizers; however, this will be at the request of the project manager and branding guidelines approved by TNPA Corporate affairs office.

2. LOCATION

Items specified within this technical specification are required to be delivered to the Port of Port Elizabeth or Port of Ngqura stores or as per project manager's request.

3. WORKING HOURS

Working hours are from 08:00 to 16:00 Monday to Friday excluding public holidays.

4. SUPPLY, DELIVERY AND PAYMENT

Supply of PPE items will be on an ad hoc basis and or at the request of the project manager. The project manager will give Three **(3) week notice** for the items required and the bidder shall be given a two **(2) week** turnaround time to deliver. If supplier can't meet these time frames to advise project managers and suitable time frame will be agreed upon.

5. DURATION OF CONTRACT

The contract to be concluded with the successful Bidder will be valid for a period of 36 months.

6. LIST OF COVID-19 PPE ITEMS

Bidder requested to supply the following PPE ITEMS:

1. Cloth facemasks: Three types of cloth masks to be provided- Cloth mask with elastic bands around the head, around ear and those tire strings which tie around the head and neck. Colours for Cloth Masks should be Black, Navy, Red and Orange. Masks provided should be three types as outlined in Figure 1b, 2 & 3.
2. Surgical face masks
3. 70% ALCOHOL sanitizers 100ml or 150ml pocket sanitizers.
4. Hazardous Suits
5. Face shields
6. Surgical Gloves
7. 5 Litter Sanitizer Table Wipes 70 % alcohol and Antibacterial
8. Biohazard boot covers
9. Surgical washable Gown for health Care workers
10. Individualised digital under arm Thermometers
11. Key holder Sanitizer Containers
12. Thermal Cameras
13. Any other PPE that the service provider may be aware of that could assist to curb/prevent the spread of any communicable diseases upon request with a quotation.

7.1 CLOTH MASK:

The mask should act as a barrier to extremely small droplets generally upwards of 5 microns in size secreted at a speed like that when a person exhibits respiratory symptoms such as sneezing or coughing (WHO 29/4/2020). The higher the performance of the barrier the better.

Masks must be breathable. Should the mask prevent one from breathing easily, this will present a serious danger to the health of the wearer - not only from becoming oxygen deprived but also because the mask will promote risky behaviour like the need to touch the face and remove or adjust the mask during wear hence increasing the risk of transmission of the virus.

Masks must be designed to fit properly. They should be comfortable to wear. Discomfort will undermine one's health by promoting the need to touch the face and remove or adjust the mask during wear.

Cleaning and disinfection of all the components should be easy to carry out at home.

All components should be durable and should maintain their integrity during the full-expected life span of the product.

All masks should be accompanied by instructions clearly stating what the limitations of a mask are and when the mask or its components must be replaced.

Cloth face masks to comply to a certain standard specification, namely:

- Three layers, which goes over the nose and mouth and all layer stitched together
- Thick material such as nonwoven fabric that can trap particles.
- Material should not tear easy, be hydrophobic or not easily wet
- Shaped construction (Figure 1a)
- Mesh or other inner to allow breathing;
- Comfortable to wear, easy to breathe and not cause skin irritation and breathing difficulties
- Fully washable (gentle wash-40 washes);
- Mask's material must be able to be disinfect able by washing in moderately warm water and soap and preferably be ironable. Alternatively, the mask should be soak able in boiling temperature water for approximately 5 minutes as literature suggests that the Covid-19 virus cannot flourish in such conditions
- Reusable.
- Variable material composition internally and externally, for the distinguishing thereof
- Masks must be designed to fit properly, ideally covering at least 50% of the length of the nose and fit to 25mm under the chin (Figure 1a)
- Masks should be secured at the back of the head and neck with adjustable strings (Figure 1a)

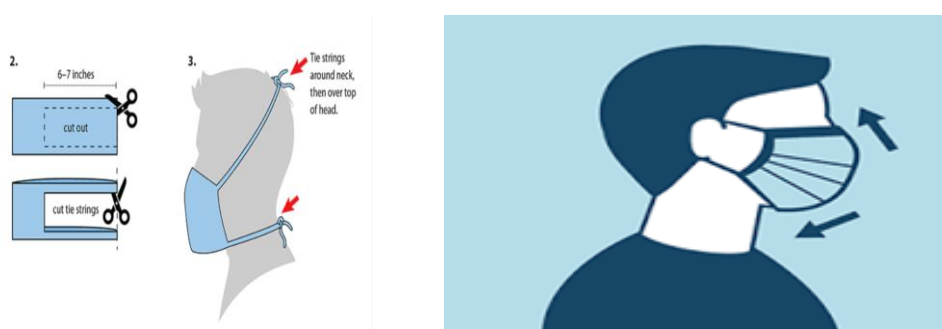


Figure: 1 a



Figure1b: Dimension size of an average person



Figure 2: tire string around the head



Figure 3: Elastic band around the head not ear

7.2 SURGICAL MASK

The mask should be flat, pleated, lightweight and gentle on the skin. Fluid Resistant, Blue (3 PLY), good breathability, internal and external faces should be clearly identified Type II for health care workers and Type 1 for patients with ear loops or tie on.

WHO Standards: EU MDD Directive 93/42/EEC Category III or equivalent- EN 14683 Type II, IR, IIIR- ASTM F2100 minimum level 1 or equivalent



Figure 4: Loops around the ear

7.3 SPRAY HAND SANITIZERS

Sanitizer with at least 70% alcohol must comply with WHO-recommended hand rub formulations. The sanitiser should be in a Liquid form and none sticky. To be accompanied by Material Safety Data Sheet.



-Figure 5: Spray Hand Sanitizer

7.4 FACE SHIELDS

Made of clear plastic and providing 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. Completely cover the sides and length of the face. To be re-usable (made of robust material which can be cleaned and disinfected)

WHO standards: EU PPE Regulation 2016/425, EN 166, ANSI/ISEA Z87.1 or equivalent



Figure 6: Face Shield

7.5 HAZARDOUSE SUITS

Type 5/6 Coverall designed to offer cost effective protection against hazardous dusts such as asbestos fibre. Made from highly breathable SMS non-woven for effective release of body heat and moisture and reduced heat stress. Soft and strong 50gsm SMS for strong performance, 2 panel hood, 2-way zip and storm flap with elasticated back and ankles to reduce the risk of skin exposure. CE Cat III Type 5/6 hazardous dusts and limited liquid splashes EN 1073-2 nuclear particulate hold out.

Protective cover bodysuits, disposable. Sizes: SMALL, MEDIUM, LARGE, X-LARGE, XX-LARGE, 3X LARGE



Figure 7: Hazardous Suit

7.6 SURGICAL GLOVES

WHO standards: surgical, nitrile, powder-free, sterile, single use. Gloves should have long cuffs, reaching well above the wrist. EU standard directive 93/42/EEC Class I, EN 455, ANSI/ISEA 105-2011, ASTM 6319-10 or equivalent



Figure 8: Nitrile Surgical Gloves

7.7 DISINFECTANT SURFACE WIPES

Impregnated with 70 % alcohol and Antibacterial. To be accompanied by Material Safety Data Sheet. Disposable disinfecting wipes made from nonwoven synthetic fibres. Use of biodegradable cotton based fibres is advised if available.



Figure 9: Surface Wipes

7.8 BIOHAZARD BOOT COVERS

Overshoe, non-woven, single use. To be made from durable, water-repellent, opaque material Seam free under sole. Elasticated opening. Suitable for all shoe sizes.



Figure 10: Boot Covers

7.9 Surgical washable Gowns

Gown, surgical, non-woven polypropylene, body+- 54g/m, sleeves +- 66g/m. Long sleeves with cuffs. Reinforced in chest and forearm areas. Resistant to liquid penetration. Lint free, non flammable, Bacteria barrier efficiency, to comply with SANS 53795, Compliance certificate to be submitted, Sterile, individual double peel packed.

WHO standards: EU PPE Regulation 2016/425 and EU MDD Directive 93/42/EEC• FDA Class I or II medical device, or equivalent• EN 13795 any performance level, or• AAMI PB70 all levels acceptable, or equivalent



Figure 11: Surgical Gown

7.10 Under arm Digital Thermometers



-Figure 12: Thermometer

Medical care waterproof flexible tip oral digital clinical thermometer.

7.11 Sanitizer Key-holders

30ml – 50ml empty hand sanitizer bottles with silicone keychain holder. The bottle hand sanitizer holder keychain is made of silicone. Empty travel size bottles are made of hard plastic, it's refillable and reusable with adjustable holder hook. Or something similar.



Figure 13: Sanitizer Key holder

7.12 Hikvision Thermal Camera

TNPA has purchased thirty-five (35) Thermal Cameras, for temperature screening at the gates, the supplier will be requested to do calibration and resetting of the devices if the need arises. Currently no temperature screening is conducted on site, however if situation changes, the supplier will be advised. If the device is damaged, the supplier to be able to repair such damage and when necessary, upon request by TNPA, to be able to purchase the exact same model device. Calibration, resetting and repairs to be done a reputable supplier with necessary accreditation as per device manual and specification. The accredited repair supplier must have accreditation certificate from the **South Africa National Accreditation System (SANAS)**.



Figure 14: Thermal Camera's

8 BILL OF QUANTITIES:

The quantities below, are not fixed to the contract, and are just estimates to guide the bidder.

No.	Item	Frequency	Quantity	Unit price	Year 1	Year 2	Year 3
1.	Surgical mask	When Required, estimated request 3 times	30 000 per pack				
2.	Face shield	When required x 3 request	≥50 items				
3.	Surgical washable Gowns	When Required x 2 request	2 items				
4.	Hazardous suit	When required x 3 request	≥ 10 items				
5.	Boot covers	When required x3 request	≥100 item pair				
6.	Surgical glove	When required x 2 request	500 items per pack				
7.	Cloth mask	6monthly / When required x 2 request	900 items				
8.	Hand sanitizer 100ml or 150ml 70 % alcohol	2monthly x 6 request	600 items				
9.	Surface Wipes 70% alcohol and antibacterial	Being of contract x 6 request	Pocket pack of 30 wipes x 600 employees 20 Tubs of 70 wipes pack				
10.	Individualised digital under arm Thermometers	when required x 2 request	300 items				
11.	Sanitizer Key-holders	When required x 2 request	300 items				
12.1	Hikvision Thermal Camera	When required x 2 devices	2 devices				
12.2	Hikvision Thermal Camera	Calibration or resetting on request	35 devices on request				
12.3	Hikvision Thermal Camera	Repairs damage on requested	Once a year				
13.	Branding price	On request	300 mask, 100ml, 150ml sanitizer bottles, 30ml sanitizer key holder for example, it can be any item				

	PPE TRAINING/ AWARENESS in TNPA facility	Once off per areas, request will be made in due advance	300 employees				
14.	Deliver Price	On Request to deliver an item	Once a month or upon request				
15.	Delivery or Transport Cost	Upon request of items	Upon request of items				
Total							

9 FREQUENCY OF SUPPLY

On an ad hoc basis or as per request by the project managers.

10 SAFETY, HEALTH AND ENVIRONMENTAL REQUIREMENTS

- All the equipment must be approved by the South African Bureau of Standards (SABS) or South African National Standards (SANS).
- Service Provider to comply with all OHS-Act.
- It is the responsibility of the service provider to provide safe products that perform in service to design and performance specifications.
- Ensure healthy and safe handling of all the equipment
- The bidder must comply with the TNPA Port of PE SHE Specification.
- Upon Award, the contractor must submit a SHE File as per TNPA requirements.
- **If a bidder does not have a Letter of Good Standing from the Department of labour. The bidder will be given 60 days to obtain the Letter of Good Standing. First 30 days to provide application to the department of labour and last 30 days to obtain the letter of good standing. Failure to comply with this requirement will result in the termination of the contract.**

11 COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT

- It is the condition of this contract that your employees, and any sub-contractors, be covered in terms of the Compensation for Occupational Injuries and Diseases Act as amended.
- All injuries sustained on Transnet National Ports Authority premises must be reported to the client.
- In the event of an incident occurring on site, the Transnet National Ports Authority shall not be responsible for any costs, loss or damage incurred as a result of such.