

United Nations  Nations Unies

POSTAL ADDRESS - ADRESSE POSTALE: UNITED NATIONS, N.Y. 10017

CABLE ADDRESS - ADRESSE TELEGRAPHIQUE: UNATIONS NEWYORK

11 septembre 2020

Monsieur,

Au nom du Comité du Conseil de sécurité créé par la résolution 1718 (2006), j'ai l'honneur de me référer à votre lettre datée du 7 septembre 2020, dans laquelle vous avez demandé au Comité de prolonger la dérogation accordée à l'Organisation mondiale de la Santé le 27 février 2020 en vertu du paragraphe 25 de la résolution 2397 (2017), conformément à la Notice d'aide à l'application n° 7, compte tenu des difficultés causées par la pandémie de COVID-19, qui pèsent sur l'achat et l'acheminement des biens, pour permettre, aux fins de la lutte contre la COVID-19 en République populaire démocratique de Corée, le transfert de nécessaires de diagnostic, de matériel et de produits de base visant à renforcer les capacités diagnostiques de ce pays et à garantir la prise en main rapide des patients et la prévention de la propagation du virus parmi les populations vulnérables.

Je vous informe qu'après avoir dûment examiné votre demande, le Comité a décidé de repousser au 11 mars 2021 le délai d'expédition des articles visés dans la lettre susmentionnée, afin d'accorder à l'Organisation mondiale de la Santé le temps nécessaire pour mener à bien les procédures d'achat et d'expédition voulues, conformément au paragraphe 25 de la résolution 2397 (2017).

Le Comité tient à remercier l'Organisation mondiale de la Santé de sa diligence.

Veillez agréer, Monsieur, les assurances de ma considération distinguée.

(Signé) Christoph Heusgen  
Le Président du Comité du Conseil de  
sécurité créé par la résolution 1718 (2006)

M. Robert Chelminski  
Directeur de l'administration et des finances par intérim  
pour le Directeur régional  
Organisation mondiale de la Santé  
Bureau régional pour l'Asie du Sud-Est  
New Delhi

cc:Liste des articles destinés à la République  
populaire démocratique de Corée.

S.No.	Material Description	Decision	Purchase Order	Specifications	Purpose	Value (in US\$)	Origin	Port of Departure	Port of Entry	Parties Involved in Transaction	Measures to ensure for use of intended purpose
8	Viral specimen collection QTY : 1200	Approved	Would be issued subject to completion of procurement process	Thermometer, infrared, no contact, handheld: Visiomed / Thermoflash LX-260TE 3 temperature Modes : body, ambient and surface Memories the last 32 temperature measurements (MEM) Vocal function: English, French, Spanish, Dutch, Italian, German Hygienic and non-invasive Temperature measurement in °C or °F Diagnostic by color codes displayed on the screen batteries included (2xAAA)	The humanitarian assistance proposed is for the prevention and control of COVID-19 infection in the country. These include the equipment for screening fever cases for identification of suspected cases at the earliest so that the possibility of further transmissions is interrupted, equipment and accessories for diagnosis of cases for confirmation and initiate needful treatment and Infection Prevention and Control (IPC) and equipment for managing possible severe and critical cases in Intensive Care Unit (ICU) which are lifesaving.  This will support MoPH in strengthening the capacity for emergency preparedness and response to the outbreak of COVID-19.	The supplies to be provided to DPRK are to be procured. A detailed pricing for each set of items would be difficult to establish at this point but can be ascertained at a later stage if required by the Committee.	This information can be provided once available by WHO to the Committee.			a) Supplier has not been identified at this stage. This information can be provided once available by WHO to the Committee. b) WHO Regional Office for South-East Asia, New Delhi, India, Metropolitan Hotel Office Block, Bangla Sahib Road, Gale Market, Sector 4, New Delhi 110 001, India c) WHO Country Office, 14 Hodong, Munsudong, Pyongyang, DPR Korea. Email: vithanaga@who.int, Tel: +85023817913 d) MoPH - DPRK, Sochang-Don, Central District, Pyongyang City DPR Korea, E mail: bogon.moph@star-co.net.kp	In order to ensure that the goods provided to the MoPH/DPRK by WHO are used for their intended purpose and not diverted for prohibited purposes, WHO will take the following measures:  Upon arrival at the designated destination in DPRK, WHO through its Country Office will clear the goods and physically accept them. This will be done by a WHO international staff member.  All verified items will be handed over to the MoPH. This will be done through a formal handing over taking over note signed by both parties.  By implementing these measures WHO Country Office expects to minimize the possibility of diversion and ensure that these items are strictly used for COVID-19 control and surveillance activities.
9	Field Sample collection TY : 600	Approved	As above	Module, Samples Transport(8)	As above	As above	As above			As above	
10	Oxygen concentrators with Flow splitter, Oxygen prongs, nasal, nonsterile, single use, Oxygen tube, extension QTY : 20	Approved	As above	Device concentrates oxygen from ambient air. On 4 antistatic swivel castors, 2 with brakes. Integrated handle allows for easy moving and positioning. Oxygen sensing device is integrated and measures concentration at flow meter entrance. Four-step filtering of air-intake, including bacterial filter. All filters replaceable, coarse filter washable/reusable. Continuous monitoring with visual and audible alerts, on low/high output pressure, low oxygen concentration, power failure and battery test. Operating conditions: Temperature between 5 to 45 degrees Celsius, Relative humidity max. 90% without condensation. Spare parts should be required for operating at least one year.	As above	As above	As above			As above	
11	Portable ventilator QTY : 13	Approved	As above	a) Tidal volume up to 1,000 ml. b) Pressure (inspiratory) up to 80 cm H2O c) Volume (inspiratory) up to 120 L/min d) Respiratory rate: up to 60 breaths per minute. e) SIMV Respiratory Rate: up to 40 breaths per minute. f) CPAP/PEEP up to 20 cm H2O. g) Pressure support up to 45 cm H2O. h) FIO2 between 21 to 100 % i) Inspiratory and expiratory times up to at least 2 sec and 8 sec respectively j) I:E Ratio at least from 1:1 to 1:3. 2 Modes of ventilation: a) Volume controlled. b) Pressure controlled. c) Pressure support. d) Synchronized intermittent mandatory ventilation (SIMV) with pressure support. e) Assist / control mode f) CPAP/PEEP Alarms required: FIO2, minute volume, pressure, PEEP, apnea, occlusion, high respiration rate, disconnection System alarms required: power failure, gas disconnection, low battery, vent inoperative, self-diagnostics if alarm silencing feature is incorporated, it must be temporary and clearly displayed when activated Air and externally supplied oxygen mixture ratios fully controllable Inlet gas supply (O2) pressure range at least 35 to 65 psi	As above	As above	As above			As above	
12	Pulse Oximeter QTY : 20	Approved	As above	Compact portable device measures arterial blood oxygen saturation (SpO2), heart rate and signal strength. Measuring range: SpO2 30 to 100% (minimum graduation 1%), Heart rate 20 to 250 bpm (minimum graduation 1bpm). Line-powered, or Extra-batteries/rechargeable batteries are required at least one year.	As above	As above	As above			As above	
13	Laryngoscope QTY : 20	Approved	As above	A hand-held device (i.e., non-endoscopic rigid type) intended to be used by anesthesia/emergency service personnel to manipulate the tongue, preventing it from obstructing the oropharynx and enabling a clear view of the trachea for the insertion of an endotracheal (ET) tube prior to the delivery of inhalation anesthesia and/or ventilation. It has a handle containing batteries to power its light (a small built-in light bulb or fibre-optic light) for airway illumination, and a curved or straight blade of various designs and lengths that can be hinged/interchanged or integral. Some types can be magnetic resonance imaging (MRI) compatible. This is a reusable device to improve respiratory status of a patient, and to help in the treatment evaluation of patients suffering from chronic respiratory disorders (e.g., asthma, emphysema). • Large hollow, cylindrical, slightly ribbed handle • Handle made of either chromium-plated or stainless steel • Can be opened to insert two batteries (type LR14, size C, 1.5 V) • Stud contact, fitting various sizes and types of depressors	As above	As above	As above			As above	
14	Set of stainless-steel depressors QTY : 200	Approved	As above	Stainless steel	As above	As above	As above			As above	
15	Endotracheal tube with cuff QTY : 200	Approved	As above	Disposal tracheal tube with guide wire	As above	As above	As above			As above	
16	Carbon dioxide detector QTY : 20	Approved	As above		As above	As above	As above			As above	

17	Portable ultrasound included probes with scanner QTY : 20	Approved	As above	High performance ultrasound scanner, System integrates scanner, 2 probes, matching trolley and video-printer Compact and lightweight, easy to transport and position, Alphanumeric keyboard with trackball and time gain control (TCG) Piezoelectric probes, electronically scanned: convex and linear, Imaging display modes: B, dual B, M, B and M Adjustable field-of-view, 6 level zoom, Imaging technologies: dynamic frequency imaging, multi-stage focusing, aperture control Depth range selection: convex sector image and linear image, 3 steps, Image orientation: lateral and vertical inversion (in B mode) Freeze function with storage of approx. 25 images, Measurements and analysis: Calibre control: trackball B-mode image: distance, area and circumference by ellipse and trace method, volume, ratio, gestational age, foetal weight, angle, Gestational table: user programmable M-mode: velocity, time interval, depth, heart rate, LV function Alpha-numeric & graphics: Text annotations and body markers Automatic display of: date and time, focal point setting, image orientation indicator, image scrolled position, distance scale mark, M-mode time mark, grey scale for calibration High resolution B/W monitor, approx. 25 cm diagonal (across), equals to 10 inch, fit with reflection filter bimage grey scale: 256 levels, Video output: 625 lines/frame Two transducer ports leave 2 probes permanently available, electronic switch between probes Data communication interface: RS232, BNC, IEEE, USB or equivalent Power supply: 220 V / 50 Hz, Convex abdominal probe, frequency range:	As above	As above	As above	As above
18	Resuscitator, adult QTY : 20	Approved	As above	Resuscitator to ventilate adult (body weight over 30kg), with compressible self-refilling ventilation bag, capacity: 1475-2000ml Resuscitator operated by hand, Ventilation with ambient air, Resuscitator shall be easy, to disassemble and reassemble, to clean and disinfect, and be autoclavable. All parts must be manufactured from high-strength, long-life materials and require no special maintenance or storage conditions.	As above	As above	As above	As above
19	Resuscitator, child QTY : 20	Approved	As above	Resuscitator to ventilate child (body weight 7-30kg), With compressible self-refilling ventilation bag, child, capacity: 500-700ml and non-rebreathing valve with pressure limiting valve, patient connector Resuscitator operated by hand, Ventilation with ambient air, Resuscitator shall be easy, to disassemble and reassemble, to clean and disinfect, and be autoclavable. All parts must be manufactured from high-strength, long-life materials and require no special	As above	As above	As above	As above

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1<sup>er</sup> juillet 2020

Monsieur,

Au nom du Comité du Conseil de sécurité créé par la résolution 1718 (2006), j'ai l'honneur de me référer à votre lettre datée du 17 juin 2020, dans laquelle vous avez demandé au Comité d'approuver une modification de la liste des articles approuvés et de prolonger la dérogation accordée à l'Organisation mondiale de la Santé le 27 février 2020 en vertu du paragraphe 25 de la résolution 2397 (2017), conformément à la Notice d'aide à l'application n° 7, pour permettre, aux fins de la lutte contre la COVID-19 en République populaire démocratique de Corée, le transfert de nécessaires de diagnostic, de matériel et de produits de base visant à renforcer les capacités diagnostiques de ce pays et à garantir la prise en main rapide des patients et la prévention de la propagation du virus parmi les populations vulnérables.

Je vous informe qu'après avoir dûment examiné votre demande, le Comité a décidé d'approuver la modification de la liste d'articles et de repousser jusqu'au 30 décembre 2020 le délai d'expédition des articles visés dans la lettre susmentionnée, pour laisser à l'Organisation mondiale de la Santé le temps de mener à bien les activités d'achat et d'expédition nécessaires, conformément au paragraphe 25 de la résolution 2397 (2017).

Le Comité tient à remercier l'Organisation mondiale de la Santé de sa diligence.

Veillez agréer, Monsieur, les assurances de ma considération distinguée.

Le Président du Comité du Conseil de sécurité  
créé par la résolution 1718 (2006)  
(Signé) Christoph Heusgen

M. Robert Chelminski  
Directeur de l'administration et des finances par intérim  
pour le Directeur régional  
Organisation mondiale de la Santé  
Bureau régional pour l'Asie du Sud-Est

Pièce jointe :

- Liste des articles et services destinés à la République populaire démocratique de Corée

<b>Items and Specifications</b>	<b>Quantity</b>
Rotor – Gene QMDX 5-Plex platform <b>Dimension:</b> Width, 37 cm (14.6 in.); Height, 27.5 cm (10.8 in.); Depth (without cables), 42 cm (16.5 in.); Depth (door open), 56 cm (22 in.) <b>Detailed specifications attached (Annex 1)</b>	6

## Rotor- Gene QMDX 5Plex platform

## Specifications

Features	Specifications
Altitude	Up to 2000 m (6500 ft)
Dimensions	Width, 37 cm (14.6 in.); Height, 27.5 cm (10.8 in.); Depth (without cables), 42 cm (16.5 in.); Depth (door open), 56 cm (22 in.)
Heat dissipation/thermal load	Average, 0.183 kW (632 BTU/hour); Peak, 0.458 kW (1578 BTU/hour)
Humidity	10–75% (noncondensing)
Operating temperature	18–30°C (64–86°F)
Optical System	5 channels plus HRM; Excitation sources: high-energy light-emitting diodes; Detector: photomultiplier; Acquisition time: 4 seconds
Overvoltage category	II
Place of operation	For indoor use only
Pollution level	2
Power	100–240 V AC, 50–60 Hz, <520 VA (peak); Power consumption 8 VA (standby); Mains supply voltage

Features	Specifications
	fluctuations are not to exceed 10% of the nominal supply voltages; F5A 250 V fuse
Samples per run (throughput)	Tubes 0.2 ml, 36 samples/run; Strip Tubes 0.1 ml (4 tubes), 72 samples/run; Rotor-Disc 72, 72 samples/run; Rotor-Disc 100, 100 samples/run
Software	Rotor-Gene Q software, supplied on the installation CD provided
Storage conditions	15–30°C (59–86°F) in manufacturer's package; Max. 75% relative humidity (noncondensing); Environmental class 1K2 (IEC 60721-3-1)
Technology	Real-time PCR cycler
Thermal performance	Temperature range, 35–99°C (95–210.2°F); Temperature accuracy, ±0.5°C (calibrated using Rotor-Disc OTV procedure); Temperature resolution, ±0.02°C (smallest programmable increment); Temperature uniformity, ±0.02°C
Transportation conditions	–25°C to 60°C (–13°F to 140°F) in manufacturer's package; Max. 75% relative humidity (noncondensing); Environmental class 2K2 (IEC 60721-3-2)
Warranty	1 year on instrument; lifetime guarantee on excitation LEDs
Weight	12 kg (26.5 lb.), standard configuration

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Le 27 février 2020

Monsieur,

Au nom du Comité du Conseil de sécurité créé par la résolution 1718 (2006), j'ai l'honneur de me référer à votre lettre datée du 25 février 2020, dans laquelle vous avez présenté au Comité, conformément à la Notice n° 7 d'aide à l'application, une demande de dérogation en vertu du paragraphe 25 de la résolution 2397 (2017), pour mener des activités humanitaires en République populaire démocratique de Corée, s'agissant notamment de permettre l'envoi de matériel de diagnostic, d'équipement et de fournitures pour prévenir et surveiller la maladie à coronavirus 2019 (COVID-19) dans ce pays, l'objectif étant d'y améliorer les capacités de diagnostic pour que les patients puissent être traités rapidement et que le virus associé à cette maladie ne se propage pas parmi la population vulnérable du pays.

Je vous informe qu'après avoir dûment examiné votre demande, le Comité a décidé, conformément au paragraphe 25 de la résolution 2397 (2017) du Conseil, d'approuver la dérogation et, partant, d'autoriser le transfert, dans un délai de six mois, des articles et services qui y sont visés et dont la liste est jointe à la présente lettre. Les articles devront être expédiés en un seul chargement ou par envoi groupé, le but étant d'en simplifier autant que possible le transport et le dédouanement.

Le Comité rappelle que les sanctions imposées à la République populaire démocratique de Corée par le Conseil dans ses résolutions n'ont pas pour objet de porter préjudice à la population civile. Il a donné, dans sa note verbale adressée aux États Membres et son communiqué de presse SC/13113 daté du 8 décembre 2017, des précisions concernant l'aide humanitaire en République populaire démocratique de Corée. Il a également rappelé dans la note verbale que les États Membres devaient appliquer pleinement les mesures imposées par le Conseil, mais qu'il leur incombait également d'expliquer clairement aux entités publiques et privées relevant de leur juridiction que l'application des sanctions ne devait pas entraver indûment l'aide humanitaire.

M. Robert Chelminski  
Directeur de l'administration et des finances par intérim  
pour le Directeur général  
Organisation mondiale de la Santé  
Bureau régional pour l'Asie du Sud-Est



Le Comité autorise et encourage l'Organisation mondiale de la Santé à mener les opérations commerciales et financières strictement nécessaires à l'achat des biens et services faisant l'objet de la dérogation et figurant en annexe, sans préjudice des décisions commerciales qui seront prises à cet égard.

Le Comité demande aux organisations qui fournissent une aide humanitaire en République populaire démocratique de Corée de respecter la durée de la dérogation qui leur est accordée et de se conformer pleinement aux lois, réglementations et procédures d'autorisation nationales qui régissent les opérations financières et commerciales, le transport de marchandises et le dédouanement sur le territoire des États Membres concernés.

Je vous informe que la présente lettre et son annexe seront publiées sur le site Web du Comité 1718 et rendues accessibles au public, notamment aux autorités nationales concernées chargées du contrôle des transferts autorisés vers la République populaire démocratique de Corée, et ce pour une durée de six mois.

Le Comité tient à remercier l'Organisation mondiale de la Santé pour sa diligence.

Je vous prie d'agréer, Monsieur, l'assurance de ma considération distinguée.

Le Président du Comité du Conseil de  
sécurité créé par la résolution 1718 (2006)

*(Signé)* Christoph Heusgen

Pièce jointe :

- Liste des articles et services destinés à la République démocratique populaire de Corée

S.No.	Material Description	Decision	Purchase Order	Specifications	Purpose	Value (in US\$)	Origin	Port of Departure	Port of Entry	Parties Involved in Transaction	Measures to ensure for use of intended purpose
1	Thermometer Infrared, no contact, handheld QTY : 600	Pending	Would be issued subject to clearance by SC and completion of procurement process	Thermometer, infrared, no contact, handheld: Visiomed / Thermoflash LX-260TE 3 temperature Modes : body, ambient and surface Memories the last 32 temperature measurements (MEM) Vocal function: English, French, Spanish, Dutch, Italian, German Hygienic and non-invasive Temperature measurement in °C or °F Diagnostic by color codes displayed on the screen Batteries Included (2xAA)	The humanitarian assistance proposed is for the prevention and control of COVID-19 infection in the country. These include the equipment for screening fever cases for identification of suspected cases at the earliest so that the possibility of further transmissions is interrupted, equipment and accessories for diagnosis of cases for confirmation and initiate needful treatment and Infection Prevention and Control (IPC) and equipment for managing possible severe and critical cases in Intensive Care Unit (ICU) which are lifesaving.  This will support MoPH in strengthening the capacity for emergency preparedness and response to the outbreak of COVID-19.	The supplies to be provided to DPRK are either to be procured, or already in stock and prepositioned in WHO warehouse in Dubai, and have been purchased in bulk and large quantities for all WHO emergencies worldwide. A detailed pricing for each set of items would be difficult to establish at this point but can be ascertained at a later stage if required by the Committee.	Subject to clearance by the Sanctions Committee, this information can be provided once available by WHO to the Committee. These emergency and preventive health care items are currently either to be urgently procured or pre-positioned in the WHO warehouse in Dubai and are expected to be delivered through DPR Korea Consular Office, Dandong City, China and then by road to Pyongyang, DPRK.			a) Supplier has not been identified at this stage and this is subject to clearance by Sanctions Committee. This information can be provided once available by WHO to the Committee. b) WHO Regional Office for South-East Asia, New Delhi, India, Metropolitan Hotel Office Block, Bangla Sahib Road, Gole Market, Sector 4, New Delhi 110 001, India c) WHO Country Office, 14 Hodong, Munsudong, Pyongyang, DPR Korea, Email: vithanagea@who.int, Tel:+85023817913 d) MoPH - DPRK, Sochang-Don , Central District, Pyongyang City DPR Korea, E mail: bogon.moph@star-co.net.kp e) DPR Korea Consular Office, Zhongyong Dajle 10-1, Xincheng Qu, Dandong City, Liaoning Province, China, Tel: 0086-415-3850906.	In order to ensure that the goods provided to the MoPH/DPRK by WHO are used for their intended purpose and not diverted for prohibited purposes, WHO will take the following measures:  Upon arrival at the designated destination in DPRK, WHO through its Country Office will clear the goods and physically accept them. This will be done by a WHO international staff member.  All verified items will be handed over to the MoPH. This will be done through a formal handing over taking over note signed by both parties.  By implementing these measures WHO Country Office expects to minimize the possibility of diversion and ensure that these items are strictly used for COVID-19 control and surveillance activities.
2	RT-PCR Machine-ABI 7500 QTY : 6	Pending	As above	The Applied Biosystems 7500 Fast Real-Time PCR system allows for greater sensitivity and variable excitation capacity. A novel 96-well design coupled with faster ramp rates yield faster results without compromising assay quality or extension times. With over 785,000 TaqMan Gene Expression assays, and validated Fast reagents, the Applied Biosystems 7500 Fast qPCR system is the original Fast solution. TaqMan probes are designed to increase the specificity of quantitative PCR, through hydrolysis probes. Contact us today to learn more about this easy to use ABI qPCR Machine.	As above	As above	As above			As above	
3	(ABI 7500 RT-PCR) TUBE PCR strip QTY : 6	Pending	As above	(MicroAmp) 0.2 ml, 8 tubes, pack-125	As above	As above	As above			As above	
4	ABI 7500 RT-PCR) CAP Microtube QTY : 6	Pending	As above	(MicroAmp) , 8 cap strip, pack-300	As above	As above	As above			As above	
5	(ABI 7500 FAST RT-PCR) Optical Well Plate QTY : 6	Pending	As above	PS, pack-20	As above	As above	As above			As above	
6	(ABI 7500 FAST RT-PCR) Adhesive Film QTY : 6	Pending	As above	(ABI 7500 FAST RT-PCR) Adhesive Film	As above	As above	As above			As above	
7	(ABI 7500 FAST RT-PCR) Bulb QTY : 6	Pending	As above	HALOGEN, 12V, 75W, GX5.3, Unit	As above	As above	As above			As above	
8	Viral specimen collection QTY : 1200	Pending	As above	Kit of 8 items	As above	As above	As above			As above	
9	Field Sample collection TY : 600	Pending	As above	Module, Samples Transport(8)	As above	As above	As above			As above	
10	Oxygen concentrators with Flow splitter, Oxygen prongs, nasal, nonsterile, single use, Oxygen tube, extension QTY : 20	Pending	As above	Device concentrates oxygen from ambient air. On 4 antistatic swivel castors, 2 with brakes. Integrated handle allows for easymoving and positioning. Oxygen sensing device is integrated and measures concentration at flow meter entrance. Four-stepfiltering of air-intake, including bacterial filter. All filters replaceable, coarse filter washable/reusable. Continuous monitoring withvisual and audible alerts, on low 'high output pressure, low oxygen concentration, power failure and battery test. Operatingconditions: Temperature between 5 to 45 degrees Celsius, Relative humidity max. 90% without condensation. Spare partsshould be required for operating at least one year.	As above	As above	As above			As above	
11	Portable ventilator QTY : 13	Pending	As above	a) Tidal volume up to 1,000 ml. b) Pressure (inspiratory) up to 80 cm H2O c) Volume (inspiratory) up to 120 L/min d) Respiratory rate: up to 60 breaths per minute. e) SIMV Respiratory Rate: up to 40 breaths per minute. f) CPAP/PEEP up to 20 cm H2O. g) Pressure support up to 45 cm H2O. h) FIO2 between 21 to 100 % i) Inspiratory and expiratory times up to at least 2 sec and 8 sec respectively j) I:E Ratio at least from 1:1 to 1:3. 2 Modes of ventilation: a) Volume controlled. b) Pressure controlled. c) Pressure support. d) Synchronized intermittent mandatory ventilation (SIMV) with pressure support. e) Assist / control mode f) CPAP/PEEP Alarms required: FIO2, minute volume, pressure, PEEP, apnea, occlusion, high respiration rate, disconnection System alarms required: power failure, gas disconnection, low battery, vent inoperative, self-diagnostics If alarm silencing feature is incorporated, it must be temporary and clearly displayed when activated Air and externally supplied oxygen mixture ratios fully controllable Inlet gas supply (O2) pressure range at least 35 to 65 psi	As above	As above	As above			As above	
12	Pulse Oximeter QTY : 20	Pending	As above	Compact portable device measures arterial blood oxygen saturation (SpO2), heart rate and signal strength. Measuring range: SpO2 30 to 100% (minimum graduation 1%), Heart rate 20 to 250 bpm (minimum graduation 1bpm). Line-powered, or Extra-batteries/rechargeable batteries are required at least one year.	As above	As above	As above			As above	

13	Laryngoscope QTY : 20	Pending	As above	A hand-held device (i.e., non-endoscopic rigid type) intended to be used by anesthesia/emergency service personnel to manipulate the tongue, preventing it from obstructing the oropharynx and enabling a clear view of the trachea for the insertion of an endotracheal (ET) tube prior to the delivery of inhalation anesthesia and/or ventilation. It has a handle containing batteries to power its light (a small built-in light bulb or fibre-optic light) for airway illumination, and a curved or straight blade of various designs and lengths that can be hinged/interchanged or integral. Some types can be magnetic resonance imaging (MRI) compatible. This is a reusable device to improve respiratory status of a patient, and to help in the treatment evaluation of patients suffering from chronic respiratory disorders (e.g., asthma, emphysema). <ul style="list-style-type: none"> <li>• Large hollow, cylindrical, slightly ribbed handle</li> <li>• Handle made of either chromium-plated or stainless steel</li> <li>• Can be opened to insert two batteries (type LR14, size C, 1.5 V)</li> <li>• Stud contact, fitting various sizes and types of depressors</li> </ul>	As above	As above	As above	As above
14	Set of stainless-steel depressors QTY : 200	Pending	As above	Stainless steel	As above	As above	As above	As above
15	Endotracheal tube with cuff QTY : 200	Pending	As above	Disposal tracheal tube with guide wire	As above	As above	As above	As above
16	Carbon dioxide detector QTY : 20	Pending	As above	<ul style="list-style-type: none"> <li>• Disposable</li> <li>• Colorimetric</li> <li>• Sizes compatible with child and adult endotracheal tube</li> </ul>	As above	As above	As above	As above
17	Portable ultrasound included probes with scanner QTY : 20	Pending	As above	High performance ultrasound scanner, System integrates scanner, 2 probes, matching trolley and video-printer Compact and lightweight, easy to transport and position, Alphanumeric keyboard with trackball and time gain control (TCG) Piezoelectric probes, electronically scanned: convex and linear, Imaging display modes: B, dual B, M, B and M Adjustable field-of-view, 6 level zoom, Imaging technologies: dynamic frequency imaging, multi-stage focusing, aperture control Depth range selection: convex sector image and linear image, 3 steps, Image orientation: lateral and vertical inversion (in B mode) Freeze function with storage of approx. 25 images, Measurements and analysis: Calibre control: trackball B-mode image: distance, area and circumference by ellipse and trace method, volume, ratio, gestational age, foetal weight, angle, Gestational table: user programmable M-mode: velocity, time interval, depth, heart rate, LV function Alpha-numeric & graphics: Text annotations and body markers Automatic display of: date and time, focal point setting, image orientation indicator, image scrolled position, distance scale mark, M-mode time mark, grey scale for calibration High resolution B/W monitor, approx. 25 cm diagonal (across), equals to 10 inch, fit with reflection filter bimage grey scale: 256 levels, Video output: 625 lines/frame Two transducer ports leave 2 probes permanently available, electronic switch between probes Data communication interface: RS232, BNC, IEEE, USB or equivalent Power supply: 220 V / 50 Hz, Convex abdominal probe, frequency range: 2.5 / 3.5 / 5.0 MHz	As above	As above	As above	As above
18	Resuscitator, adult QTY : 20	Pending	As above	Resuscitator to ventilate adult (body weight over 30kg), with compressible self-refilling ventilation bag, capacity: 1475-2000ml Resuscitator operated by hand, Ventilation with ambient air, Resuscitator shall be easy, to disassemble and reassemble, to clean and disinfect, and be autoclavable. All parts must be manufactured from high-strength, long-life materials and require no special maintenance or storage conditions.	As above	As above	As above	As above
19	Resuscitator, child QTY : 20	Pending	As above	Resuscitator to ventilate child (body weight 7-30kg), With compressible self-refilling ventilation bag, child, capacity: 500-700ml and non-rebreathing valve with pressure limiting valve, patient connector Resuscitator operated by hand, Ventilation with ambient air, Resuscitator shall be easy, to disassemble and reassemble, to clean and disinfect, and be autoclavable. All parts must be manufactured from high-strength, long-life materials and require no special	As above	As above	As above	As above