

TERMS OF REFERENCE: SUPPLY OF MOBILE X-RAY PANEL VANS FOR THE GLOBAL FUND GRANT

1. BACKGROUND

The National Department of Health (NDoH) is one of the four Principal Recipients (PRs) appointed to implement Global Fund TB/HIV programmes from the 1st of April 2019 to 31st March 2022. Therefore, the NDoH will be referred to as the ‘contractor’, through its Sub Recipients (SR) Aquity innovations NPC, Isibani Development Partners and TB HIV Care requires the services of a supplier who can supply 5 (Five) mobile X-Ray Panel Vans for implementation of TB services distributed in the priority districts of the Global Fund: namely Ugu District, City of Ekurhuleni, City of Johannesburg, BCM and KCD.

2. SCOPE OF WORK: SUPPLY CHAIN MANAGEMENT

The supplier will be expected to supply the Mobile X-Ray Panel Vans as follows:

NO	SPECIFICATION	DIMENSIONS
1	The total size of the Mobile panel Van clinic must be as follows	±4700mm
	The clinic must have to Rooms Configuration (X-Ray room/Consulting room)	
	Width of the mobile clinic:	±1800 mm (room width)
	Ceiling height of room (s):	±1900mm, floor to ceiling
	Air conditioning system	
	Sign Writing must be provided	
	The mobile clinics must have all internal furniture, fitting, plumbing, carpentry, windows, doors, lighting, painting and branding done as per scope of work.	
2	OPERATOR ROOM	
	Length	±2200mm
	Width	±1800mm
	Height	±1900mm
	Lockable Outside door	
	Storage Shelves and lockable drawers	
	LED Ceiling lights	
	16A Single Phase, wall Mounted power	Minimum of 3 Plug Points supplied

	socket	
	UV-Light	
	Extractor fan	
3	X-RAY ROOM	
	Length	±2200mm
	Width	±1800mm
	Height	±1900mm
	LED ceiling lights	
	16A single phase, wall mounted socket	Minimum of 3 plug points supplied
	UV-Light	
	Extractor fan	
	Digital chest X-Ray unit fitted	
4	POWER SYSTEMS	
	Built in generator and solar Panel back up system	
	7kwh li-lon backup system	
	25m, 16A single -Phase (3-core) Utility Power with connection point	
	Power distribution board with overload protection and circuit breakers, surge arrestors, labelling	

SCOPE OF WORK (INCLUDE THE FOLLOWING BUT NOT LIMITED)

INCLUSIONS	DESCRIPTION
Vehicle Type	NEW PANEL VAN Engine capacity Minimum 2.0 Conversion of panel Van into X-Ray Screening Facility with sufficient space
Certificates	Road worthy certificates, weighbridge certificate, factory pre delivery documents
Facility layout and design	Design and planning of mobile clinic as per end users' requirements
Mobile clinic conversion.	Painting using rust protected paint on all metal areas. Painting and branding Integration of electrical, plumbing, and support services and equipment

X-Ray protection	XL full Lead apron and half lead apron: one of each
External finishes	LED working lights for nighttime operation Power connection point for utility power
Internal layout and finishes	X-ray room of approximately 2,200mm x 1,800mm x 1,900mm in size X-ray room must have 2mm lead lining for radiation protection X-ray room must have 2mm lead window between x-ray room and operator room X-ray room must have LED dimmable ceiling mounted lights. Mounted solar panels with safety
	Operator room of approximately 2,200mm x 1,800mm x 1,900mm in size Operator room must have 2mm lead lining for radiation protection (on x-ray side) Operator room must have 2mm lead window between x-ray room and operator room Operator room must have workbench for PC workstation and imaging control system. Operator room must have storage shelves for IT equipment
Ramps / Steps	Entry via side slide open door.
Walls & Ceilings	Walls & ceilings to have Isolation within Electrical plugs, lights and network points integrated into walls and ceilings. Painted and treated with anti-rust coating and durable high work area paints. Ceiling to have Extractor fans
Clinic colour	White
Windows	Standard panel van windows (where applicable). No windows allowed in X-Ray room.
Window Blinds	Frosted windows.
Louvres	No louvres
Floor finish	Rubberized floor.
Doors	Standard panel van doors fitted. Lead shielding on X-Ray room door at back of Panel-van
Electrical:	
DB	Single phase distribution board with circuit breaker, labelling

Internal Lights	Artificial lighting must be supplied with the use of: LED light fittings depending on user requirements. Dimmable LED lights fitted to X-ray room Provisional quantity to cover on average 350 lux / m² . UV light in each room provided
External Lights	External Lights for nighttime operator provided, ceiling mounted LED type floodlights. One on each corner of the panel van.
Plug Points	Standard 3-pin plugs type Single 16Amp plug point. Minimum 3 plug points in X-ray room Minimum 3 plug points in operator room
Fire Detection & Protection:	Battery operated smoke detector. Fire extinguishers in operator and X-ray room
Emergency Signs	Emergency Exit signs. X-ray warning signs Quick reference operation signs. Room description signs
Air-Conditioning:	Ceiling / wall mounted air conditioners suited for vehicle application. One in the X-ray Air conditioners and units must be 9,000BTU or larger.
Ablutions:	
Toilets	
Washbasins	Foldable Hand wash basin with connecting hose pipe
Geyser	
Paraplegic Setup	A wheelchair assistance system via wheelchair ramp.
General Furniture:	Furniture supplied as per "equipment list" bill of material list. Must include basic furniture including desks, chairs, storage shelves, seating benches, cupboards and lockers as well as fridges and kitchenette items.
Medical Furniture:	Medical Furniture supplied as per "equipment list" bill of material list.
Medical Equipment:	Medical equipment supplied as per "equipment list" bill of material list.
IT Equipment:	IT equipment supplied as per "equipment list" bill of material list.

Signage	Signage indicating the rooms, descriptions, locations, and demarcations, Contact numbers, emergency numbers of technical personnel. User manuals and quick reference guides.
Delivery, transport and Training.	Delivery within South Africa. Training. On site training
Maintenance & Service contracts	A standard 12-month warranty. A 12-month preventative maintenance contract for the mobile clinic and X-Ray equipment.

SCOPE OF WORK: X-Ray interpretation software

No	Services Required	Description
1.	CAD software for X-Ray TB screening using AI	<ul style="list-style-type: none"> ▪ Automated chest X-ray (CXR) screening software that detects X-ray abnormalities consistent with pulmonary, hilar and pleural tuberculosis using AI algorithm ▪ Calculate an abnormality score or report whether the X-ray is suggestive of TB within one minute ▪ Hardware-agnostic which works with X-rays of varying quality and exposure, from all X-ray machine models ▪ Certified for use with adults and children ▪ Upgrades to the latest available version shall be free of charge ▪ Data export capability for analysis ▪ The bidder shall provide CAD software which is CE marked and DICOM compatible with the imaging systems
2.	Real-time electronic X-ray management system for collection and reporting of patient level data	<ul style="list-style-type: none"> ▪ Cloud-based patient level disaggregated data (e.g., demographic and GIS data) linked with the X-ray image. ▪ Software should be able to work offline in the absence of internet connectivity with information stored on site for uploading onto the cloud when connectivity is available ▪ Provide real-time data and reports that are accessible from any location on a range of devices (web, mobile, tablets) by authorised users ▪ Customize according to needs of contractor

No	Services Required	Description
3.	Cloud-based solutions to store and archive digital chest X-Ray DICOM images	<ul style="list-style-type: none"><li data-bbox="779 33 1680 103">▪ Cloud-based DICOM archive that provides effective and secure storage of clinical DICOM information of CXR images<li data-bbox="779 103 1680 199">▪ Software should be able to work offline in the absence of internet connectivity with information stored on site for uploading onto the cloud when connectivity is available<li data-bbox="779 199 1680 276">▪ Provide effective and secure storage of clinical DICOM information for at least 7 years

3. MANDATORY REQUIREMENTS

- 3.1. It is the responsibility of each supplier to ensure that complete documents are submitted on or before the closing date and time.
- 3.2. The supplier must submit all required documents indicated hereunder:
 - 3.2.1 Declaration of Interest.
 - 3.2.3 B-BBEE Status Level Verification Certificate (where preference points are claimed) (Original or Certified Copy).
 - 3.2.4 Certified copy of registration certificate with CIPC or proof of ownership/ shareholding.
- 3.3. The supplier must submit the South African Tax Clearance Certificate for confirmation of Value Added Tax (VAT) and other Tax related matters.
- 3.4. The supplier must submit a profile of the entity which includes but is not limited to the following:
 - 3.4.1. Name, structure, and strategies,
 - 3.4.2. Names and identity numbers of all directors, chief operating officers,
 - 3.4.3. Business: products and/or services which the entity is trading,
 - 3.4.4. Risk management strategy to mitigate against any risk that might arise for the duration of the contract,
- 3.5. Three (3) testimonials/ references from previous contractors/clients.
- 3.6. Proposed project implementation plan: this should include manufacturing/sourcing timelines, anticipated delivery, training, and maintenance
- 3.7. Document detailing technical experience and roles and responsibilities of main team members.
- 3.8. Financial stability - stamped original bank rating letter with grading or letter of good standing
- 3.9. Suppliers must submit two sets (one original signed copy, one electronic copy-PDF) of bid documents according to the instructions below:
 - 3.9.1. The signed original hard copy of the bid document will serve as the legal bid document.
 - 3.9.2. All pages in the bid submission must be initialed by the same person with black ink.
 - 3.9.3. Where certified copies of documents are required, the person certifying such documents must not be associated with the bidder in any way.
 - 3.9.4. The use of correction fluid is not acceptable. Any change/s must be clearly indicated and initialed.
- 3.10. All bid documents must be submitted on or before the closing time of the bid (date and hour specified in the bidding documents).
- 3.11. Incomplete bids will be deemed non-responsive.

4. ADDITIONAL SCOPE OF WORK

- 4.1. The supplier will provide training and commissioning of skills.

- 4.2. The supplier will provide user manuals and a quick reference guide.
- 4.3. It is expected of the supplier to be able to service the X-ray equipment annually and as and when required.
- 4.3. It is expected of the supplier to deliver the complete mobile X-ray containers to the sites.

5. SPECIAL CONDITIONS

- 5.1. The contractor reserves the right to award according to the most economical service option submitted.
- 5.2. The contractor reserves the right to stop the contract partly or as a whole, temporarily or indefinitely, in which event neither claim nor shall liability whatsoever lie against the contractor either due to non-compliance, non-performance, by the supplier.
- 5.3 The contractor reserves the right to not make an award.
- 5.4. The contractor reserves the right to conduct price negotiations, where deemed necessary.
- 5.5. All suppliers are bound to protect the confidentiality of all data (including the protection of personal information) and information gathered and accessed through the work on assignment. Information and data received and accessed through this project may only be used to meet the objectives outlined in these specifications.
- 5.6. The contractor reserves the right to request any relevant documentation at any stage of implementation.
- 5.7. All records, data and information relating to the programme are owned by the contractor and remain the intellectual property of the contractor and as such must be treated as confidential by the supplier.
- 5.8. At the end of the contract period, the supplier shall make available to contractor a record of all the data and information relating to the contractor to enable the new supplier to take on that data and information sufficiently and properly in a manner which would enable the new supplier to commence delivering services to the contractor.
- 5.9. The contractor reserves the right to conduct supplier due diligence prior to final award or at any time during the contract period. This may include site visits.

6. BID EVALUATION CRITERIA

6.1. PREVIOUS EXPERIENCE AND CAPABILITIES-RELATED REQUIREMENTS (50%):

1.	Experience in assembling a mobile X-Ray Panel van or similar.	
	Substantiate or provide relevant documents	Provide at least 3 duly signed reference letters from previous or current clients for similar work done within

		the past years, including details of the nature of the project
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6.2 COMPETENCY AND SKILLS (30%):

2	The company profile including the history of operation
Substantiate or provide relevant documents	Provide the technical expertise of the team regarding maintenance, repairs, training, and skills transfer. Include previous history of maintenance, Capacity building, skills transfer and how they were monitored. Proposed project implementation Plan.

6.3 FINANCIAL CAPABILITY(20%):

3	Provide Original Bank Letter
Substantiate or provide relevant documents	Provide Original bank Rating from registered Financial Institution. Bank letter must be stamped by the bank after the bid advert date not prior) Provide. Letter of good standing

Criteria	Weighted %	Sourcing Criteria
Previous Experience and Capabilities Related Requirements	50%	
Experience in Assembling a mobile X-ray Panel Van or similar		
Supplier to provide: <ul style="list-style-type: none"> At least 3 duly signed 		>4 years = 5 3 Years = 4

<p>reference letters from previous or current clients for similar work done within the past years including details of the nature of the project.</p> <ul style="list-style-type: none"> Letters must be signed by the Chief Executive Officer or Financial Director. <p>Supplier to be assessed on years of experience providing similar Services.</p>		<p>2 Years = 3 1 Year =2 <1 Year = 0</p>
Competency and Skills	30%	
<p>Company Profile including the history of operation.</p> <hr/> <p>Supplier to Provide:</p> <ul style="list-style-type: none"> The technical expertise of the team regarding maintenance, repairs, training, and skills transfer. Include previous history of maintenance, capacity building, skills transfer and how they were monitored. Proposed project Implementation Plan. 		<p>Excellent = 5 Good =4 Average = 3 Below Average =2 Poor=1 No Information =0</p>
Financial Capability.	20%	
<hr/> <p>Supplier to provide original Bank Rating from registered Financial</p>		<p>Category A =5 Category B = 3 Category C =2 No Information = 0</p>

<p>Institution (Bank letter must be stamped by the bank after the bid advert date not prior)</p> <p>A Rating B Rating C Rating</p>		
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7. DETERMINATION OF EVALUATION THRESHOLD:

NB: The bidders will be required to achieve a minimum threshold score of 70% of the 100% to be eligible for the next state of evaluation.

THE SCORING CRITERIA FOR EVALUATION OF FUNCTIONALITY

SCORE	CLASSIFICATION	DEFINITION
0	No response (COMPLETE NON- COMPLIANCE	No Response at all or insufficient information provided in the response such that the solution is totally unassessable and /or incomprehensible
1	Unsatisfactory response (Potential for some compliance but very major areas of weakness)	Substantially unacceptable submission which fails in several significant areas to set out a solution that addresses and meet the requirements: little or no detail may (and , where evidence is required or necessary, no evidence) have been provided to support and demonstrate that the supplier will be able to provide the services and /or considerable reservations as to the supplier’s proposals in respect of relevant ability, understanding, expertise, skills and/or resources to deliver the requirements Would represent a very high-risk solution for the

		Department.
2	Partially acceptable response (one or more areas of major weakness)	Weak Submission which does not set out a solution that fully addresses and meets the requirements: response may be basic/minimal with little or no detail (and, where evidence is required or necessary, with insufficient evidence) provided to support the solution and demonstrate that the supplier will be able to provide the services and /or some reservations as to the supplier’s solution in respect of relevant ability, understanding, expertise, skills and/ or resources to deliver the requirements may represent a high risk solution for the Department.
3	Satisfactory and acceptable response (substantial compliance with no major concerns)	Submission sets out a solution that largely addresses and meets the requirements, with some detail (or, where evidence is required or necessary, some relevant evidence) Provided to support the solution: minor reservations or weakness in a few areas of solution in respect of relevant ability, understanding, expertise, skills and/or resources to deliver the requirements. Medium, acceptable risk solution to the Department
4	Fully Satisfactory/Very good response (fully compliant with requirements)	Submission sets out a robust solution that fully addresses and meets the requirements, with full details (and, where evidence is required or necessary, full and relevant evidence) provided to support the solution: provided full confidence as to the relevant ability, understanding, expertise, skills and/or resources to deliver the requirements. Low/no risk solution for the Department
5	Outstanding response (Fully compliant, with some areas exceeding requirements)	Submission sets out a robust solution and, in addition, provides or proposes additional value and /or elements of solution which exceed the requirements in substance and outcomes in a manner acceptable to the Department

		<p>provides full confidence as to the relevant ability, understanding, expertise, skills and/or resources not only to deliver the requirements, but also exceed it as described.</p> <p>Low/no risk solution for the department</p>