



ޖަދުވަލު 17 ގައި "ޕޯޓަބަލް ރެޑިއޮގްރަފީކް ޔުނިޓް" ގެ ސަބަބުން ރަޖިސްޓްރީ ކުރެއްވުމަށް ބޭނުންވާ ފަރާތްތަކަށް ފޮޓޯގްރަފީ ޕްރޮސެޖަރު ޕްލޭން ޕްރޮޖެކްޓް ގައި ބައިވެރިވުމަށް ފަސޭހަވާނެ ގޮތަށް ހެއްދެވުމަށް ބޭނުންވަނީ.

ސަލާމަތް ފަސޭހަވާނެ ގޮތަށް

Portable X-ray machine

1. General Specification

- Compact, lightweight and easily transportable radiographic unit suitable for X ray studies in Emergency & Trauma departments, ICCU and ward bedsides.
- Should be a motorized or mobile design allows fast, efficient transport with electromagnetic braking system.
- The tube stand must be fully motorized for easy rotations to all the directions.
- Articulated arm for maximum positioning and flexibility in any patient.
- Exposures with remote control should be available
- Storage facility and inbuilt charging for all sizes of cassettes.
- Should have minimum 4 hrs of battery backup.

2. Generator

- Maximum Power: 30-40 kW
- kV Range: 40-150 kVp
- mAs range: 0.1 to 500 mAs

3. X Ray tube

- Rotating anode with at least 2500 RPM.
- Focal Spot Size: 0.6mm/1.2mm
- Target Angle: 14-15 degree
- Anode Heat Capacity: 300KHU

4. Detector

- Must have two detectors
- Should be wireless and battery operated one with a battery backup of at least 5 Hrs.
- One spare battery should be included in the offer, if the battery charging unit is a separate.
- It should carry weight of at least 130kg on the surface.
- Pixel Size: 139μm x 139μm
- Cassette Size :14” x 17”

5. User Interface

- Should have a 19” touch screen with all the necessary image adjustment options.
- Secondary control should be there at collimator for adjusting the X Ray Parameters.

All necessary accessories for the start and functioning of the equipment has to be supplied.

Power Supply:

Line voltage 220-240AC, 50-60Hz and fitted with a 13/16amp BT type plug.

Standards, Safety, Warranty and Training

1. Should be FDA/ CE marked product



2. Application training must be provided to the users.
3. Should be provided 12 Months warranty from the date of installation.
4. Manufacturer standard certified biomedical technical must be given to ASMH Biomedical Engineers within one year of installation.

Documentation

1. User/Technical/Maintenance manuals to be supplied in English.
2. List of important spare parts and accessories with their part number and costing
3. List of any consumable (such as filters and gaskets) with their part numbers must be provided and the standard frequency of replacement must be provided.
 - a. Contact details of both local supplier and manufacture for service and maintenance and must be provided

Standard Accessories

The machine should be supplied with

- user manual and warranty card, Operation Manual with user demonstration video CD, interpretation manual
- Exposing switch – 2 qty
- Lead apron with Thyroid Collar – 2 qty
- Detector 2qty
- Batteries(8 hr backup) -2 qty
- Battery Charger with adaptor (UK)

Safety Profile

Should be provided with terminal for good earth connection to preclude electric disturbances while recording- Must have a safety certificate or valid detailed electrical and functional safety test report from a recognized competent authority Copy of the certificate / test report shall be produced along with the technical bid.

Installation & Training

The firm should install the instrument at the designated location and provide one-day training/demonstration of operation of Portable X-ray machine.

Warranty

performance warranty of at-least Three year from date of installation + additional one year comprehensive warranty, In case of breakdown of the machine, the supplier shall make the machine functional by repair (including replacement of parts) free of cost at the user site, within 3 (three) days of the receipt of complaint, or replace the machine (if necessary).

After Sales Services



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GDH-Thinadhoo, Maldives ޔ. ސ. ޖެނެރަލް ސަކަރު ޑެޕްޓްމަންޓް ޓްރިސޯޕްޓް

The suppliers should have adequate after sales service facilities covering all districts of the country. They should have infrastructure and trained manpower to attend to any complaints within 3 days of receipt of complaints.