DigitalX-Ray Machine

Digital Radiographic System with GOS Detector

The digital radiographic system must be of good, durable manufacture and heavy duty of good quality:

a. Include an automatic voltage stabilizer/regulator, compatible with the above mentioned X-ray unit and meets the specifications below:
   · Feeding electric power generator power 40 KW
   · Voltage range: 3 phase 380V (3P 170 to 410 V)
   · Frequency range: 50 to 60 Hz
   · Rated Voltage: phase voltage 220 V, line voltage
   · Regulating range for central voltage: +/-70 %
   · Working accuracy: +/- 1 to 5 %, normal +/- 2.5 %
   · Response time: fast, 1 power cycle i.e. 20 ms
   · Wave conform distortion: no extra wave distortion
   · Working efficiency: 99 % or more
   · Delay output: first stabilized and then output
   · Patient table to include grip handles with possibility to select among at least 2 fixing locations
   · Adjustable Pressure belt;
   · The operator shielding panel is to be equipped with 80x100 cm 2.1 mm lead equivalent glass conveniently positioned for a sitting operator;
b. On-line UPS with 30 minute back up for console/computer system.
c. Include a set of patient and operators protective accessories:
   · 2 x aprons
   · 2 x gonads
   · 1 x collar
   · 1 x protective mobile screen (approx. 80 x 210 cm), window (approx. 40 x 30 cm)
   · 1 x set protective gloves
   · 2 x protective goggles
d. Sets of wall and ceiling mount installation materials and fixtures, for the examination stands.
e. Set of cables required to install a fully functional set-up.
f. Instructions for use and maintenance in English.
g. Cost must include installing and fixing the machine at UNRWA premises;
h. Supplier is to provide thorough training for radiology technician on proper use, caring, safety, preventive maintenance, exposure,
i. Supplier is to keep trainer with radiology technician for three days as on the job training;
j. Supplier is to train radiology technician on how to obtain a
digital image that could be saved on CDs, sent to health staff
by email, and sent via UNRWA e-health electronic medical
records;
k. Supplier is to ensure full warranty for at least 24 months
from the date of installing and operating the digital
radiographer;
l. Qualified local service representative must be available to
respond to trouble shootings within 48 hours and provide needed
services and avail genuine spare parts at reasonable cost when
needed.
m. Cost must include installing, training, warranty in k above,
and all necessary devices and
accessories to operate the digital radiographer and communicate
with it (PC and other
necessary accessories).