The Required:

Mobile Mammography X-Ray /

The Technical specifications:

1- Power supply:
- Single phase operation, 220 volt ±10% 50 Hz
- Power to be defined by the bidder.

2- X-Ray Generator:
- High frequency generator should specify by the bidder.
- High voltage range: up to 35 at least
- (mAs) range is (5-500) mAs at least.
- Overload protection system.

3- X-Ray Tube:
- The bidder should specify anode type (Rotating-fixed)
- Focal spots: as small as possible astube
- Heat capacity as high as possible to be specified by the bidder.
- High cooling rate: (specified by the bidder).
- Overheat protection.

4- Collimator:
- Manually / automatic collimator with light source and timer.
5- **Arm:**
- Vertical movement: 60 cm at least
- Automatic Rotating: the bidder should specify the Angular range.
- Display unit for Angle, extremity (left/right), applied pressure force and breast thickness.
- Automatic & Manual compressor system the bidder should specify its movements. The compressor has protection system for the patient and the doctor.
- Electromagnetic brakes for all movements.

6- **Bucky**
- Grid: The bidder should specify Bucky rat, its type and number of lines /cm.

7- **Control Panel:**
- Exposure parameters: automatic (according with breast thickness & density) and half automatic.
- Touch buttons for selecting the exposure factors.
- Light indicator for preparation. Light and sound indicators for exposure.
- KV selecting steps: as small as possible (specified by the bidder).
- mAs selecting steps: as close as possible (specified by the bidder).
- Automatic exposure control (AEC).
- Digital display for all parameters and error messages.
- Supplied with Controlling zoom image reverse.

8- **Workstation** specified by bidder, including display size and type, Dicom for print, CD/DVD writer … and available medical application.

9- **Digital sensor specifications specified by**
<table>
<thead>
<tr>
<th><strong>bidder</strong></th>
<th><strong>10-Accessories:</strong></th>
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<tbody>
<tr>
<td>- Pixel size.</td>
<td>- Footswitch or Handswitch for compressor control.</td>
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<td>- Active area size.</td>
<td>- All accessories for the compressor.</td>
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<td>- A/D converter resolution.</td>
<td>- Lead target has lead glass. The bidder should specify its dimensions and thickness.</td>
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<td>- Other technical specifications should specify by the bidder.</td>
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<tr>
<th><strong>10-الممتمات:</strong></th>
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<tbody>
<tr>
<td>- قياس البيكسل.</td>
<td>- دعاسة أو قبضة يدوية للتحكم بالضغط.</td>
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<tr>
<td>- المساحة الفعالة.</td>
<td>- حاجز رصاصي مزود بزجاج رصاصي يبين العارض أبعاده وسماكته.</td>
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<td>- دقة المبدل.</td>
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<td>- يحدد العارض المواصفات الفنية الأخرى.</td>
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<th><strong>11-Notices:</strong></th>
<th><strong>11-ملاحظات:</strong></th>
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<tbody>
<tr>
<td>1. The equipment should be of recent design, and the first production year and its origin should be mentioned by the bidder.</td>
<td>1. يجب أن يكون الجهاز حديث التصميم وجديد وغير مجدد – يذكر العارض تاريخ أول إنتاج للموديل المعروض. كما يحدد المنشأ والصنع.</td>
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<tr>
<td>2. The bidder should mention any additional specifications of the equipment.</td>
<td>2. ذكر المواصفات الإضافية وكل مواصفة لا تذكر تعتبر غير موجودة.</td>
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