

AMSL/CATH/UP/724
Dated:18/02/2023
FY -2022-2023

To

Maa Saraswati Hospital,
Vrindavan Road,
Mathura,
Uttar Pradesh - 281003

QUOTATION

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|--------------------|---|
| Machine Type | Cathlab |
| Model | Allengers Pride ^{HP} |
| Series | Altima F80 |
| Manufacturing Code | Regular Version <input type="text" value="0"/> |
| Combination | ALLENGERS PRIDE HP/ALTIMA F80/GEN 80KW/ Varex G-1582 BI /SOFTWARE FOR ALTIMA / PHOTON WITH FPD/TABLE CATH TAB F WITH FPD/CMMS /FPD FOR PHOTON \ ALTIMA (WIRES THROUGH CEILING)/MONITOR 55". |

| Sr. No. | Parameters | Specifications |
|------------------------------|------------------------|------------------|
| 1. HF X-Ray Generator | | |
| | Output Power | 80 KW |
| | mA Output | 800 mA at 100 KV |
| | KV Range (CINE) | 40-120 KV |
| | KV Range (Fluoroscopy) | 40-120 KV |
| | Pulsed Exposure | Up to 30 fps |
| | High mA Fluoroscopy | 10-120 mA |
| | High mA Cine | Max. 800 mA |
| | Auto Dose Rate Control | Digital ADRC |
| 2. X-Ray Tube | | |
| | Make | Varex G-1582 BI |

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| Heat Capacity | 1.5 MHU |
| Type | Bearing Tube |
| Focus | 0.6/1.0 mm |
| Anode Angle | 10° |
| Rotor speed | 10800 RPM |
| Type of Cooling | External heat exchanger with oil circulation. |
| Collimator | MBF (Multi Beam Filters) Preview Collimation Parallel Lead Shutters (Long & Cross) Half Cardiac Shutter |

3. Flat Panel Detector (2020 DXV)

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| Energy Range | 40-150KV |
| Pixel Active Area | 19.9cm * 19.9cm |
| Pixel Matrix- area | 1024 * 1024 |
| Pixel Pitch | 194µm |
| DQE | 80% |
| Frame Rate | 1- 30 fps |
| Weight | 5.2 Kgs |
| A/D Conversion | 16 BIT |
| Data Output | Ethernet |

4. Mechanical Movements

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| SID (Source to Image Distance) | 780 mm –1080 mm ±10 mm |
| Arc Depth | 823 mm ±1 mm |
| Range of C-Arm Movement | L = 0° : LAO 90° ±2°, RAO 90° ±2°, CRA 45° ±2°, CAU 45° ±2° L = 90° : LAO 45° ±2°, RAO 45° ±2°, CRA 45° ±2°, CAU 45° ±2° |
| C-Arm Speed for Orbital Movement | 10°/sec. to 12°/sec. |
| C-Arm Speed for Rotational Movement | 24°/sec. ±2°/sec. |
| Range of L-Arm Movement | ±90° ±2° |
| L-Arm Movement Speed | 12°/sec to 14°/sec |
| FPD Travel | 300 mm ±1 mm |
| FPD Rotation | ±90° ±1° |

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| | FPD Up/Down Speed | 10-40 mm/sec. |
| | FPD Rotation Speed | 24°/sec. ±2°/sec |
| | System operation at how many sides of the patient support | 3 sides |
| | Collision protection and additional safety | Two level Anti-collision protection Non-contact anti-collision sensor at tube head & detector side. |

5. Patient Table

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| | Model | CATH TAB F |
| | Overall table length including foot end control | 3080 mm ±10 mm |
| | Overall table width including side rails. | 720 mm ±05 mm |
| | Dimensions of the table top | 2850 mm x 465 mm |
| | Carbon fibre table top height from floor | Min. 790 mm - Max. 1040 mm ±10 mm |
| | Vertical Up-down movement (Motorized) | 250 mm ±10 mm |
| | Speed for table up/down movement | 20-22 mm/sec |
| | Manual longitudinal travel | 1200 mm ±10 mm |
| | Manual transversal travel | 160 mm + 160 mm (320 mm ±10 mm) |
| | Max. unobstructed overhang | 1850 mm ±10 mm |
| | Swivel Movement | ± 90°± 2° |
| | Max. Patient Load | 200 Kg + 100 Kg (Additional force for CPR) |

6. Ceiling Mounted Monitor Stand

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| | Ceiling Mounted Monitor Stand -Single Rail | a) Rotation of Monitors : ±180° (Manual) b) Horizontal Travel : 2500 mm ±10 mm (Manual) c) Up/Down Movement : 400 mm ±10mm (Motorized) |
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7. Monitors Configuration

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| | Monitors at Procedure Room | |
| | 55" Wide Screen Monitor | 1 No. (Live, Reference, DSA, Roadmap, Stent View , ECG) |
| | 32" Colored Monitor (Backup Monitor) | 1 No. (Live, Reference, DSA, Roadmap, Stent View , ECG) |
| | MPM (Libra 106) | 1 No. |
| | Monitors at Workstation | |

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| | 27" Colored Monitor | 1 No. (Live, Reference, DSA, Roadmap, Stent View, ECG) |
| | 19" Colored Monitor for DICOM Viewer | 1 No. |
| 8. UPS Specifications | | |
| Specifications of 2 kVA UPS (01 No.) | | |
| 1 | Output power capacity | 2 kVA |
| 2 | Output Waveform | Sine Wave |
| 3 | Nominal Input Voltage | 230 VAC, 50/60 Hz \pm 10 % |
| 4 | Admissible Crest Factor | 3:1 |
| 5 | Input Power Factor | 0.99 Typical |
| 6 | Input Protection | Thermal Circuit Breaker |
| 7 | Nominal Output Voltage | 230 V AC , 50/60 Hz \pm 10 % |
| 8 | Efficiency at Rated Load | > 91% |
| 9 | LED Indication & LCD Display | Yes |
| 9. Accessories | | |
| | Light Weight Lead Vinyl Apron | 4 Nos. |
| | Thyroid Guards | 2 Nos. |
| | Arm Rest | 1 No. |
| | Head Rest | 1 No. |
| | Lead Glass (120 x100 cms) | 1 No. |
| | 2-Way communication System | 1No. |
| | OT light | 1No. |
| | Ceiling Suspended Lead Protection Barrier | 1No. |
| | Router available for online field support (Separate dedicated Internet Broad Band connection are required from customer with the minimum speed of 8Mbps and with IP Range 192.168.0.10) | |
| 10. Power Supply Requirements | | |
| | Voltage Requirement | 3-Phase 400V AC \pm 10%, 50/60Hz, with Earthing. |
| | Voltage between Neutral & Earth | 3V (Max.) |
| | Allowable Line resistance | \leq 0.2 ohm |
| | kVA Rating | 100 kVA |

| 11. Environment & Operating conditions | | | |
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| | Factors | Operating Conditions | Storage & Transportation Conditions |
| | Temperature | 19°C - 21°C | 10°C - 40°C |
| | Humidity | 0% - 50% | 0% - 75% |
| | Atmospheric Pressure | 70 KPA – 106 KPA | 70 KPA – 106 KPA |
| Software Name: Synergy FP | | Version: V 8.0.1.0 | |
| Sr. No. | Parameters | Specifications | |
| 1. | Image Acquisition | <ul style="list-style-type: none"> Image processing software with real time image capturing, storage, and display in 1024*1024. Pulsed Fluoroscopy at 30 FPS. | |
| 2. | Multi Views on Single 55 inch monitor with 4k Resolution. | <ul style="list-style-type: none"> User selectable multi format 55” display. Different types of views like Cine/Fluoro, DSA, Roadmap, Stent View and MPM parameters on single display. Configurable user selectable View mode. (1X2, 2X2, 2X3). The modes like 2X3 , 2X2 are configurable and hence positions of viewer can be swapped by the user as per convenience. | |
| 3. | Dose Saving Protocol | Real time graphical and numbered dose display with dose reduction suggestion in real time with dose bar indicator. | |
| 4. | Integrated MPM | Multi Para Monitor integrated in Single 55 inch monitor along with Cine, Fluoro, DSA, Roadmap and stent view | |
| 5. | DSA | <ul style="list-style-type: none"> Up to 10 FPS image acquisition for DSA R-Mask Landmarking Pixel Shift | |
| 6. | Roadmap | <ul style="list-style-type: none"> Real time path map Roadmap clear Peak hold | |
| 7. | Image Processing | Real time noise reduction filter without any motion lag DRC, Contrast, Brightness, Sharpness, Noise reduction. | |
| | | Interactive digital Zoom and Pan | |
| | | Pre-programming for image setting for different operating Modes | |
| | | Image Inversion | |
| | | WW/WL level adjustments | |
| | | Image Flipping and Image Rotation Clockwise or | |

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| | | Anti-clockwise. |
| | | Live to Reference View on Single Monitor |
| | | Cine Loop Play(Auto and Frame wise) |
| | | Real time Image Flip(Horizontal/Vertical) |
| | | Multi Ref. Image Storage. |
| 8. | Stent View | It enhances the view of placed stent. |
| 9. | Stent Fade in/Out | This feature validates the proper position of stent with respect to the artery with and without contrast medium. |
| 10. | Collimator | Ultra fast Preview collimator with SID map feature to minimize the radiation dose to the patient as well as to the user. |
| 11. | DAP Module | DAP dose integrated in software and total summary for Fluoro/Cine Saved. |
| 12. | Inflation Time | Display balloon inflation time (in seconds). |
| 13. | MAG | Real Time 4 Step Digital MAG. |
| 14. | DICOM Features | <ul style="list-style-type: none"> • DICOM 3.0 compatible • Connectivity with DICOM workstation/PACS |
| 15. | Storage | <ul style="list-style-type: none"> • 500 GB SSD Hard Disk for faster image storage (Expandable as per the requirement) • Post Fluoro Saving as per user need. |
| 16. | Measurement | Stenosis measurement, Length Measurement. |
| 17. | Miscellaneous | Different format of image saving Like JPG, BMP, TIF, GIF. |
| 18. | PACS Connectivity | <ul style="list-style-type: none"> • Multiple Nodes can be configured. • Single/Multiple Image Tagging to transfer into PACS/Workstation. |
| 19. | QCA (Quantitative Coronary Analysis) | Detection of luminal obstructions in Coronary Artery vasculature. It quantifies the plaque in the artery. |
| 20. | QLVA (Qualitative Left Ventricle Analysis) | QLVA is used for the quick, convenient and accurate quantification of left-ventricular volumes and wall motion from left ventriculogram. |

PRICE DETAILS

| Combination | PRICE PER UNIT |
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| Model: Allengers Pride^{HP} Series :Altima F80 | Rs 2,00,00,000/- + GST@12% or as applicable |

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| (Fixed Cathlab 80KW with Flat Panel Detector | at the time of dispatch |
| | Rupees Two crore only+ GST@12%or as applicable at the time of dispatch) |
| Mini PACS (Altima_{F80} Fixed Cathlab 80KW with FPD) (Optional) | Rs. 2,00,000 + 18% GST |
| <ul style="list-style-type: none"> • Detailed Reporting Module with all Reporting stages & Report templates • Studies shareable with internal & external doctors for distance consultation & reporting (Tele-Radiology) • Recording of Pre-Diagnostic data like “Patient Vitals” for better reporting • Scalable to support all other modalities (CT/MRI etc.) and equipped with all 2D & 3D tools (extra chargeable) • Statistics & Reports for Top Management • Can connect multiple centers & universally accessible on all PCs / Tablets / Workstations (LAN/Web) | (Single modality license + Single user license 3D) |

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| Optional Accessories / Items with additional cost | |
| Suitable UPS for Entire Machine. | 01No. |
| Cross Rail for Ceiling Mounted stand. | 01 No. |
| Motion Compensation in DSA Procedure | 01 No. |
| ACT (Activated Clotting Time) Actalyke Mini II (With Cartridge) | 01 No. |

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| Specifications of 100 kVA UPS (01 No.) | | |
| 1 | Output power capacity | 100 kVA |
| 2 | Output Waveform | Sine Wave |
| 3 | Nominal Input Voltage | 380 VAC – 415 VAC (3Ph + N), 50/60 Hz ± 10 % |
| 4 | Admissible Crest Factor | 3:1 |

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|---|------------------------------|--|
| 5 | Nominal Output Voltage | 380 VAC – 415 VAC (3Ph + N), 50/60 Hz ± 10 % |
| 6 | Efficiency at Rated Load | 99% (Eco Mode) |
| 7 | IP Rating | IP 20 |
| 8 | LED Indication & LCD Display | Yes |
| 9 | Power Factor | 0.99 |
| Ceiling Mounted Monitor Stand -Cross Rail | | Rotation of Monitors : ±180° (Manual) Longitudinal Travel : 3000 mm ±10 mm (Manual) Transverse Travel : 2100 mm ±10 mm (Manual) Up/Down Movement : 400 mm ±10mm (Motorized) |

TERMS AND CONDITIONS:

Taxes : At present GST is 12%. However, the taxes will be charged as applicable at the time of dispatch of equipment.

WARRANTY : Our equipments carry a warranty of 12 months from the date of installation or 15 months from the date of invoice whichever is earlier except Vaccumatic Parts. The part/s going defective during warranty period will be replaced. All Vaccumatic items (X-Ray Tubes & Image Intensifying tubes) are subject to pro-rata warranty of 12 months from installation date or 15 months from the date of invoice whichever is earlier and these items going defective during the warranty period shall be replaced as per the pro-rata warranty policy of the company..

PAYMENT : 50% of the order value to be paid as advance along with the order and balance 50% to be paid before dispatch of the equipment.

ORDER ACCEPTANCE : Acceptance of advance is not acceptance of order. Advance amount earns no interest. Payments not made within 15 days of agreed terms will attract interest @18%.

DELIVERY : The delivery period shall be 8-10 weeks from the receipt of technically and commercially clear order.

FORCE MAJEURE : Every effort will be made to deliver goods within the delivery period and no liability shall be attracted to us for Non-performance or delayed executions of the order as a result of Force Majeure and Company shall not be liable for any consequential loss.

ORDER CANCELLATION : In case the Company agrees to treat the order as cancelled, depending upon the circumstances/reasons, minimum 10% cancellation charges of the total cost of the machine shall be

charged. If the goods have already been dispatched, customer is also liable to pay VAT, Excise, Service Tax, To & Fro transportation charges, Insurance, Demurrage etc. in addition to the cancellation charges.

- SITE READINESS** : The responsibility to ensure readiness of site with preliminary requirements for installation of equipment before its despatch rests with the customer. In case of non-readiness of site on delivery of equipment, customer will release 90% of the due amount on delivery. In case of HF systems, it is the responsibility of the customer to ensure that the relative humidity should not exceed 55%.
- SPECIAL NOTE** : Company shall not be responsible for any verbal terms settled with the customer.
- JURISDICTION** : All Disputes are subject to jurisdiction of Chandigarh Courts only.

Thanking you,

Yours faithfully,

For **ALLENGERS MEDICAL SYSTEMS LIMITED**



(AUTHORISED SIGNATORY)