

ANNEX 1

SPECIFICATIONS FOR FLOOR MODEL BLOOD BANK CENTRIFUGE

| S. No | Specifications | |
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| 1 | Microprocessor controlled system to make operation automatic | |
| 2 | It should be Floor Model Centrifuge | |
| 3 | Swing Bucket Blood Bank Rotor | With metal buckets ,8x500ml blood bags |
| | | Following Adapter/inserts to be supplied: <ol style="list-style-type: none"> 1. Adapter for 500ml Quint, Quadruple with in-line filters and filter holder 2. Plastic Inserts/Adapters for 450/500ml Quadruple blood bag, 3. Adapter for 450ml Triple and Double Bag |
| | | Following Taring plates/rubbers to be supplied for balancing: <ol style="list-style-type: none"> 1. One set of 2nos of 35g and 2 of 65 g |
| | | The rotor should have wind shield protection |
| 4 | Centrifugal force | Maximum of 15,320 g |
| 5 | Maximum Speed | Speed range rpm 300 – 10,000, adjustable in 10 rpm increments |
| | | 9-Acceleration and 9 deceleration profiles |
| 6 | Temperature Range | Temperature control range –9 °C to +40 °C CFC refrigerant |
| | | Pretemp function for fast pre cooling |
| 7 | Programmable time | Runtime 0 min – 99 hrs., plus hold |
| 8 | Programmable Memory | Program memory 9+1 pretemp program |
| | | System should have Easy Set-Up, Programming and Monitoring using the key pad keypad. It should allow to recall protocols at the touch of a button. |
| 9 | Power Requirement | 230V, 50Hz, 12.9 A |
| | | Machine should work on Single Phase Power supply |

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| 10 | Drive | Drive should be brushless induction drive |
| 11 | Display | LED display panels |
| 12 | Noise Level | Less than 58 dBA |
| 13 | Imbalance | Electronic, Speed and Rotor dependent |
| 14 | Functions | RCF pre selection, quick run, automatic rotor recognition and soft touch lid lock |
| 15 | Safety Features | Lid lock and interlock, imbalance cut-out, steel armoured chamber |
| 16 | Test Standards | Designed and tested in accordance with EN 61 010-1, EN 61 010-2-020, EN 50 081-1, EN 50 082-1 |
| 17 | Service Back Up | Dedicated Service support in the Region. Regional Service setup should be provided |
| 18 | Line Voltage | Suitable stabilizer should be provided |
| 19 | Up gradation | <p>The machine should have the below facility that can be upgraded at a later stage if required:</p> <ol style="list-style-type: none"> 1) Software should be available to document the centrifugation 2) Machine should also accept of various rotors to spin plates, tubes etc., 3) Adapters for small volume of blood bags 250ml 4) Hook adapters for Buffy bags |