



# नगर कार्यपालिकाको कार्यालय



## Office of the Municipal Executive

(Google Plus Code: C8RJ+C6 Neulapur)

सैनवार, बर्दिया  
Sainawar, Bardiya

लुम्बिनी प्रदेश, नेपाल  
Lumbini Province, Nepal

**श्री पार्ट अटोमेटिक हेमाटोलजी एनालाइजर खरिद सम्बन्धी सूचना**  
**प्रकाशित मिति: २०८३।०५।०८ गते, ने.सं. ११४६ गुंलाथ्व द्वादशी, सोमबार**

यस नगरपालिकाको ठाकुरबाबा आधारभूत नगर अस्पतालका लागि श्री-पार्ट अटोमेटिक हेमाटोलोजी एनालाइजर खरिद गर्नुपर्ने भएकाले यस नगरपालिकामा सूचीकृत फर्महरूले देहाय बमोजिमका कागजातहरू सहित यो सूचना प्रकाशन भएको ३ दिनभित्र इच्छुकहरूलाई दरभाउपत्र पेश गर्न जानकारी गराइन्छ ।

आवश्यक कागजातहरू:

१. फर्म दर्ताको प्रमाणपत्रको प्रतिलिपि,
२. आ.व. २०८१।०८२ वा २०८२।०८३ को करचुक्ता प्रमाणपत्रको प्रतिलिपि,
३. दरभाउपत्र सहित निवेदन,
४. रु. १०००।— बुझाएको राजस्व रसिद ।

*Handwritten signature and stamp:*  
२०८३।०५।०८  
रामहरि रिजाल  
नि. प्रमुख प्रशासकीय अधिकारी

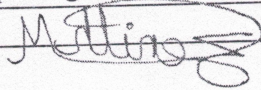
**THAKURBABA MUNICIPALITY**

**बर्दिया**

२०७३

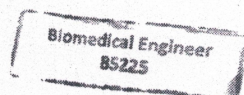


## Technical Specification of 3-part Automatic Hematology Analyzer

| S.N.      | Purchaser's Requirement                                                                                                                                                                                                                                                                                                                                           | Bidders Remarks |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|           | <b>3-part Automatic Hematology Analyzer</b>                                                                                                                                                                                                                                                                                                                       |                 |
|           | <b>Manufacturer:</b>                                                                                                                                                                                                                                                                                                                                              |                 |
|           | <b>Brand:</b>                                                                                                                                                                                                                                                                                                                                                     |                 |
|           | <b>Type / Model:</b>                                                                                                                                                                                                                                                                                                                                              |                 |
|           | <b>Country of Origin:</b>                                                                                                                                                                                                                                                                                                                                         |                 |
| <b>1.</b> | <b>Description of Function</b>                                                                                                                                                                                                                                                                                                                                    |                 |
| 1.1       | Automatic hematology analyzer for the analysis of Venous blood, Capillary blood & pre-diluted blood.                                                                                                                                                                                                                                                              |                 |
| <b>2.</b> | <b>Operational Requirements</b>                                                                                                                                                                                                                                                                                                                                   |                 |
| 2.1       | 3-part differential auto hematology analyzer with at least 20 parameters, scatter-grams and 3 histograms.                                                                                                                                                                                                                                                         |                 |
| <b>3.</b> | <b>System Configuration</b>                                                                                                                                                                                                                                                                                                                                       |                 |
| 3.1       | Automated Clinical hematology Analyzer.                                                                                                                                                                                                                                                                                                                           |                 |
| <b>4.</b> | <b>Technical Specification</b>                                                                                                                                                                                                                                                                                                                                    |                 |
| 4.1       | <b>Measuring Principle:</b> <ul style="list-style-type: none"> <li>Flow cytometry/Impedance or equivalent method for WBC 3-diff differential analysis and WBC counting.</li> <li>Electric Impedance method or equivalent for RBC and PLT counting.</li> <li>Cyanide free reagent/light absorbance/photometry or equivalent method for HGB measurement.</li> </ul> |                 |
| 4.2       | <b>Graphs:</b> <ul style="list-style-type: none"> <li>3 histograms for WBC, RBC and PLT.</li> </ul>                                                                                                                                                                                                                                                               |                 |
| 4.3       | <b>Sample Mode:</b> <ul style="list-style-type: none"> <li>Whole blood mode</li> <li>Capillary Blood mode</li> </ul>                                                                                                                                                                                                                                              |                 |
| 4.4       | <b>Sample Volume:</b> <ul style="list-style-type: none"> <li>Less than 10<math>\mu</math>l.</li> </ul>                                                                                                                                                                                                                                                            |                 |
| 4.5       | <b>Throughput:</b><br>Shall not be less than 60 samples per hour.                                                                                                                                                                                                                                                                                                 |                 |
| 4.6       | <b>Parameters:</b><br>Test parameters should not be less than 20.                                                                                                                                                                                                                                                                                                 |                 |
| 4.7       | <b>Reagent:</b><br>Should use not more than three reagents for routine CBC analysis.                                                                                                                                                                                                                                                                              |                 |
| 4.8       | <b>User Interface:</b><br>Should have at least 8-inch touchscreen display.                                                                                                                                                                                                                                                                                        |                 |
| 4.9       | <b>Calibration:</b><br>Should have both auto and manual calibration feature.                                                                                                                                                                                                                                                                                      |                 |
| 4.10      | <b>Storage Capacity:</b><br>Shall have storage capacity for more than or equal to 10000 results including numeric and graphical information                                                                                                                                                                                                                       |                 |
| 4.11      | <b>Interface:</b> <ul style="list-style-type: none"> <li>Shall have enough USB port for external printer, RFID reader, mouse, keyboard, etc.</li> <li>Shall have network port for supporting LIS.</li> </ul>                                                                                                                                                      |                 |
| 4.13      | <b>Printer:</b> <div style="display: inline-block; border: 1px solid black; padding: 2px; margin-top: 10px;">             Biomedical Engineer<br/>             85225           </div> <div style="display: inline-block; vertical-align: middle; margin-left: 20px;">  </div> |                 |



|            |                                                                                                                                                                                                                                                                                                     |  |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|            | Should have built-in thermal printer.                                                                                                                                                                                                                                                               |  |
| <b>5</b>   | <b>Accessories, Spares and Consumables</b>                                                                                                                                                                                                                                                          |  |
| 5.1        | Must provide 1 set of all the reagents required for the analyzer during installation.                                                                                                                                                                                                               |  |
| 5.2        | All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning materials, to be in the offer. Bidder must specify the quantity of every item included in the offer (including items not specify above).                               |  |
| <b>6.</b>  | <b>Operation Environment</b>                                                                                                                                                                                                                                                                        |  |
| 6.1        | The system offered shall be designed to operate normally under the conditions of purchaser's country. The conditions include power Supply, Climate, Temperature, Humidity, etc.                                                                                                                     |  |
| 6.2        | Power Supply: 100-240 VAC 50Hz fitted with appropriate plug.                                                                                                                                                                                                                                        |  |
| <b>7.</b>  | <b>Standard and Safety Requirements</b>                                                                                                                                                                                                                                                             |  |
| 7.1        | Must submit valid ISO 13485 or better certificate.                                                                                                                                                                                                                                                  |  |
| 7.2        | Must submit valid European CE in compliance with CE-IVDR (2017/746) issued from an EU registered notified body having notified body number OR a Declaration of Conformity must be submitted if it is a low-risk class A product or Certificate of Compliance OR the product must be USFDA approved. |  |
| <b>8.</b>  | <b>User Training</b>                                                                                                                                                                                                                                                                                |  |
| 8.1        | Must provide user training (including how to use and maintain the equipment).                                                                                                                                                                                                                       |  |
| <b>9.</b>  | <b>Warranty</b>                                                                                                                                                                                                                                                                                     |  |
| 9.1        | Comprehensive warranty for 2 years for the entire system after successful installation.                                                                                                                                                                                                             |  |
| <b>10.</b> | <b>Maintenance Service during Warranty Period</b>                                                                                                                                                                                                                                                   |  |
| 10.1       | During the warranty period supplier must ensure Planned Preventive Maintenance (PPM) and corrective/breakdown maintenance whenever required.                                                                                                                                                        |  |
| <b>11.</b> | <b>Installation and Commissioning</b>                                                                                                                                                                                                                                                               |  |
| 11.1       | The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.                                                                                                        |  |
| <b>12.</b> | <b>Documentation</b>                                                                                                                                                                                                                                                                                |  |
| 12.1       | User (Operating) manual should be in English.                                                                                                                                                                                                                                                       |  |
| 12.2       | Service (Technical) manual should be in English.                                                                                                                                                                                                                                                    |  |



*Mattino*