

**Functional Evaluation Criteria: Supply and delivery of Portable Bioassay measurement Instrument at Nuclear Operating Unit**

| Requirements                        | Criteria                                                                                                                          | Deliverables                                  | Weighting | % Rating |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------|----------|
| 1. Regulatory Compliance            | Compliance with NNR requirements, ISO 23588:2024 and ISO 28218:2010                                                               | Compliance matrix and certification           | 20%       |          |
| 2. Measurement Performance          | Gamma spectroscopy, radionuclide identification and quantification within specified detection limits and ≤30 min measurement time | Technical specifications and performance data | 25%       |          |
| 3. Portability & Deployment         | System suitable for rapid deployment and operation at off-site emergency locations                                                | Mobility and deployment methodology           | 15%       |          |
| 4. Calibration & Quality Control    | Supply of traceable calibration and QC sources with documented QC programme                                                       | Calibration certificates and QC programme     | 15%       |          |
| 5. Power & Environmental Capability | 12-hour battery backup and operation between 5°C and 40°C                                                                         | Technical datasheets and test reports         | 10%       |          |
| 6. Training & Documentation         | Operator training and provision of all manuals and software documentation                                                         | Training records and documentation package    | 5%        |          |
| 7. Service Support                  | Service reporting, calibration certificates, spare parts and maintenance support                                                  | Service plan and support documentation        | 10%       |          |
| <b>100%</b>                         |                                                                                                                                   |                                               |           |          |

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|----------|------------|---------------------------------|------------------------------------------------------------------------------------------|
| Compiled | P Dibi     | Senior Supervisor               |     |
| Reviewed | Y Kontsiwe | RP Services Manager (Acting)    |     |
| Approved | K Govender | RP Development Manager (Acting) | PP  |