

1. Evaluation Criteria

Tender Offers will be evaluated against the following criteria:

- i. Tenderers shall not be debarred from participating in public sector tenders and quotations on or after the closing date of this Invitation to Tender.
- ii. Tenderers shall be registered under the Ministry of Finance (MOF) Expenditure and Procurement Policies Unit (EPPU) EPU/LAB/30 (Laboratory Equipment and Accessories) or EPU/LTE/10 (Laboratory Testing and Survey Equipment) (Financial Registration) with a financial limit of S6 or above.
- iii. Compliance with Requirement Specifications.
- iv. Price and Quality according to the following weights
 - a. Tender Price – 80%
 - b. Quality Attributes – 20%

Criteria (i) to (iii) are considered Critical Criteria and a Tender Offer that does not meet any of these criteria will be rejected.

2. Evaluation Approach

- i. Tenders that have fully complied with the Critical Criteria stated above will be further evaluated based on the Price and Quality attributes stated below.
- ii. The evaluation shall be based on the tendered Price and the stated Quality attributes. Price and Quality Attributes are assigned weights (Price 80% and Quality 20%) and translated into quantitative scores which are then added together to derive a Combined Score.

iii. Tender Price

- a) The Tender Price of a tender will be translated into a quantitative score, Price Score (P-Score) using the following formula:

$$P\text{-Score} = (\text{Lowest Tender Price} / \text{Tenderer's Price}) * 80$$

iv. Quality Attributes

- a) The Quality Score (Q-Score) will be computed using the following formula:

$$Q\text{-Score} = (\text{Tenderer's total quality points} / \text{Tenderer with the highest quality points}) * 20$$

Part 5: Evaluation Criteria

v. Combined Score

a) The Combined Score of a tender is computed as follows:

$$\text{Combined Score} = (P\text{-score} + Q\text{-score})$$

vi. Tender Offers for each equipment shall be evaluated accordingly to the following Quality Attributes:

Equipment 1 (GC-HRAMS)

Quality Attributes	Weights	Quality Points
a) <u>Accuracy</u> The analysis will be based on average mass error (RMS) of eight sequential injections of 1 pg OFN at m/z 271.9867.	30 points	≤ 1 ppm RMS – 30 points > 1 to 2 ppm RMS – 20 points > 2 to 2.5 ppm RMS – 10 points > 2.5 ppm RMS – 0 points
b) <u>Sensitivity</u> Based on the analysis results from 8 replicate runs of 1 μL , 100 fg/ μL OFN.	40 points	IDL: ≤ 50 fg – 40 points IDL: > 50 to 55 fg – 25 points IDL: > 55 to < 60 fg – 10 points IDL: ≥ 60 fg – 0 points
c) <u>Resolution</u> The analysis will be based on full width at half the maximum height.	30 points	$\geq 40,000$ – 30 points $\geq 30,000$ to 39,999 – 20 points $> 25,000$ to 29,999 – 10 points $\leq 25,000$ – 0 points
Total	100 points	

Equipment 2 (GC-MS)

Quality Attributes	Weights	Quality Points
a) <u>Sensitivity</u> The analysis results will be based on signal to noise ratio (S/N) of 1 pg of OFN.	50 points	S/N: $\geq 2000:1$ – 50 points S/N: $\geq 1000:1$ to 1999:1 – 30 points S/N: $\geq 500:1$ to 999:1 – 10 points S/N: $< 500:1$ – 0 points
b) <u>Mass accuracy</u> The analysis results will be based on injection of 1 μL injection of a 100 pg/ μL OFN.	50 points	within ± 0.005 – 50 points within ± 0.01 – 30 points within ± 0.05 – 10 points within ± 0.1 – 0 points
Total	100 points	

Part 5: Evaluation Criteria

Equipment 3 (LC-HRAMS)

Quality Attributes	Weights	Quality Points
a) <u>Accuracy</u> The analysis will be based on average mass error (RMS) in MS mode.	30 points	≤ 1 ppm RMS – 30 points > 1 to 2 ppm RMS – 20 points > 2 to 2.5 ppm RMS – 10 points > 2.5 ppm RMS – 0 points
b) <u>Mass detection range</u> Based on the mass range LC-HRAMS is capable of detecting.	30 points	The minimum detectable mass range shall be ≤ 50 m/z, with upper limit of mass range: > 8000 m/z – 30 points > 7000 to 8000 m/z – 20 points > 6000 to 7000 m/z – 10 points ≤ 6000 – 0 points
c) <u>Resolution</u> The analysis will be based on full width at half the maximum height.	40 points	$> 50,000$ – 40 points $> 35,000$ to 50,000 – 25 points $> 30,000$ to 35,000 – 10 points $\leq 30,000$ – 0 points
Total	100 points	

Equipment 4 (ICP-MS/MS)

Quality Attributes	Weights	Quality Points
a) <u>Mass resolution</u> Measured at 10% peak height	50 points	≤ 0.4 amu – 50 points > 0.4 to 0.6 amu – 30 points > 0.6 to 0.9 amu – 10 points > 0.9 amu – 0 points
b) <u>Mass calibration stability</u> Determined by mass variation per day	50 points	within ± 0.03 u – 50 points within ± 0.035 u – 30 points within ± 0.045 u – 10 points within ± 0.05 u – 0 points
Total	100 points	