

Marking Scheme for Tender Evaluation

Evaluation of the tenders will be based on the combined score (total weighted Technical and Price Scores). The mark weighting ratio of Technical Score to Price Score is 60% to 40%.

Assessment of Technical Proposal

The Technical Proposal will be assessed in accordance with the following aspects with a full mark of 100:

Assessment Criteria on Technical Aspects	Maximum Mark	Marking Guidelines
Section A- Execution Plan 1. The Execution Plan refers to the submission of a Tenderer that contains detailed proposals (including solutions) of how the Tenderer will supply the Goods or perform the Contract. It includes the following components as assessment criteria. Each component may be further divided into sub-components as necessary.		
(A1) Project Proposal – Food Waste Smart Bins (FWSBs) (i) <u>Basic Information of FWSBs</u> To briefly describe and illustrate the basic features of the FWSBs, including but not limited to, brand & model, outlook design, dimension with technical drawings, maximum capacity of the inner container, and net weight. (ii) <u>Technical Information of FWSBs</u> To briefly describe and illustrate the technical aspects of the FWSBs, including but not limited to, weighing range and accuracy, waterproof standard, self-diagnostic functions (e.g. auto-notification during abnormal operation conditions and mechanical errors), remote monitoring of recycled food waste using photos/videos, QR code scanning device, user interface device and operation procedures. (iii) <u>Health and Hygiene Features</u> To briefly describe and illustrate the features related to health and hygiene, including but not limited to, auto-deodorization (e.g. frequency, proposed deodorizing technology/method, auto-	30	• The proposed plan/proposal is of very good quality and practical, with detailed information for all of the required items. (100%) • The proposed plan/proposal is of good quality and practical, with detailed information for equal to or more than two thirds of the required items and brief information for the remaining required items. (75%) • The proposed plan/proposal is of average quality and practical, with detailed information for equal to or more than one third of the required items and brief information for the remaining required items. (50%) • The proposed plan/proposal is of adequate quality and practical, with brief information covering all of the required items. (25%) • The proposed plan/proposal is of poor quality, impractical or without information on any of the required items. (0%)

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Assessment Criteria on Technical Aspects	Maximum Mark	Marking Guidelines
notification when running out of deodorizing agent, if deodorization agent is to be deployed), and automatic pest control system (e.g. technology adopted for pest control, frequency of pest control, possible enhancement measures).		
(A2) Project Proposal – Big Data Platform and Warranty Services (i) <u>Big Data Platform</u> To briefly describe and illustrate the details and working mechanisms of the Big Data Platform, including but not limited to, accessibility/login method of the Data Management Interface, information of hardware and software, the types of real-time data and information to be displayed on the Data Management Interface, the types of statistics and analysis of information in the Big Data Platform, and the mechanism for data/ information logging and transfer of transactions from the Big Data Platform to the EPD's Common Communication Platform and Integrated Waste Management Information System. (ii) <u>Data Quality Management and Auto Report Generation</u> To briefly describe and illustrate the tests and mechanisms for the monthly data quality check for the Big Data Platform to ensure that the data transmitted to the EPD's Common Communication Platform and Integrated Waste Management System is accurate, reliable, complete and consistent. To briefly describe the mechanism of automatic weekly report generation to report all of the out-of-service incidents, maintenance and repair records and follow-up actions taken in the Big Data Platform. To provide	20	• The proposed plan/proposal is of very good quality and practical, with detailed information for all of the required items. (100%) • The proposed plan/proposal is of good quality and practical, with detailed information for equal to or more than two thirds of the required items and brief information for the remaining required items. (75%) • The proposed plan/proposal is of average quality and practical, with detailed information for equal to or more than one third of the required items and brief information for the remaining required items. (50%) • The proposed plan/proposal is of adequate quality and practical, with brief information covering all of the required items. (25%) • The proposed plan/proposal is of poor quality, impractical or without information on any of the required items. (0%)

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a template on the report format and describe how the report will be delivered to the designated ECC Representatives. (iii) <u>Warranty Services</u> To briefly describe and illustrate the details of warranty services, including but not limited to, the items to be covered under the regular and <i>ad-hoc</i> maintenance services for this Contract and the maintenance schedule.		
(A3) Timeline and Resources (i) To provide an organisation chart showing proposed manpower for the supply of Goods. (ii) To provide qualifications and relevant project experience of the key project team members. (iii) To provide project timeline of the supply of Goods and demonstrate the capability to deliver the Goods in meeting the timeline.	10	• The proposed plan/proposal is of very good quality and practical, with detailed information for all of the required items. (100%) • The proposed plan/proposal is of good quality and practical, with detailed information for equal to or more than two thirds of the required items and brief information for the remaining required items. (75%) • The proposed plan/proposal is of average quality and practical, with detailed information for equal to or more than one third of the required items and brief information for the remaining required items. (50%) • The proposed plan/proposal is of adequate quality and practical, with brief information covering all of the required items. (25%) • The proposed plan/proposal is of poor quality or impractical on any of the required items. (0%)
(A4) Service Delivery and Management Plan (i) To provide a supervision plan describing the approach of and the mechanism for staff supervision, including but not	10	• The proposed plan/proposal is of very good quality and practical, with detailed information for all of the required items. (100%)

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Assessment Criteria on Technical Aspects	Maximum Mark	Marking Guidelines
limited to, expertise/qualifications of the supervisory staff, mechanism for monitoring of staff performance, staff briefings and training programmes. (ii) To provide a quality assurance plan describing the approach of and the mechanism to ensure Goods quality and remedy defects in supplying the Goods. (iii) To provide a complaint handling plan describing the approach of and the mechanism for managing customer feedback and complaints, including but not limited to, response procedures, resolution timeframes, and record keeping systems.		• The proposed plan/proposal is of good quality and practical, with detailed information for equal to or more than two thirds of the required items and brief information for the remaining required items. (75%) • The proposed plan/proposal is of average quality and practical, with detailed information for equal to or more than one third of the required items and brief information for the remaining required items. (50%) • The proposed plan/proposal is of adequate quality and practical, with brief information covering all of the required items. (25%) • The proposed plan/proposal is of poor quality or impractical on any of the required items. (0%)
(A5) Innovative Suggestions To make innovative suggestions ¹ (with benefits / positive values explained) on any of the following aspects OR other relevant aspects suggested for the Goods: <u>Non-exhaustive examples:</u> (a) Shortening production time for the FWSBs; (b) Enhancing deodorization performance to improve user experience; (c) Enhancing durability and reliability of the FWSBs and the associated systems; (d) Enhancing ability for pest control; (e) Increasing operational efficiency and cost effectiveness; (f) Allowing flexibility to adapt operational changes; (g) Boosting user satisfaction or experience;	15	• The proposed plan contains three (3) or more quality and practicable innovative suggestions. (100%) • The proposed plan contains two (2) quality and practicable innovative suggestions. (66%) • The proposed plan contains one (1) quality and practicable innovative suggestion. (33%) • The proposed plan does not contain any quality and innovative suggestion. (0%)

¹ Tenderers are encouraged to make innovative suggestions under each component of the proposed Execution Plan. Examples may include suggestions on innovative application of technology (e.g. automation, computerization and mechanization), streamlining of working / operation procedures, better management of resources (e.g. manpower, tools, materials and time), facilitation of research and development (R&D) and minimizing life cycle costs, etc.

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Assessment Criteria on Technical Aspects	Maximum Mark	Marking Guidelines
or (h) Preventing the improper use of FWSBs.		
(A6) ESG Proposals To propose measures or arrangement ² to improve environmental protection, sustainability or governance or social responsibility (“ESG”): <u>Non-exhaustive examples:</u> (i) Environmental protection/ Sustainability (E): use of green materials/products, reduction in energy consumption or promotes waste reduction in the execution of the contract (j) Social responsibility (S): employment of people with disabilities and/or rehabilitated persons for the contract (k) Governance (G): cybersecurity, privacy practices, and management structure of the contract	5	• The proposed plan contains three (3) or more practicable and effective ESG proposals. (100%) • The proposed plan contains two (2) practicable and effective ESG proposals (66%) • The proposed plan contains one (1) practicable and effective ESG proposal (33%) • The proposed plan does not contain any effective and practicable ESG proposal (0%)
Section B - Experiences		
(i) Aggregate experience ³ of the key project team member (the one with the most relevant experience) OR the Tenderer in the management of big data platform(s) for the operation of food waste smart bins (Refer to Annex III for the format to be adopted for showing experiences)	5	• Holds ≥ 7 years of relevant aggregate experience. (100%) • Holds $\geq 5 - < 7$ years of relevant aggregate experience. (75%) • Holds $\geq 3 - < 5$ years of relevant aggregate experience. (50%) • Holds $\geq 1 - < 3$ years of relevant aggregate experience. (25%) • Holds < 1 year of relevant aggregate experience. (0%)

² The ESG measures/arrangements may but need not be directly relevant to the supply of Goods but would bring about positive values/benefits to the Government, or the public at large.

³ Experience under different projects will not be double-counted for any overlapping periods. For each experience, it shall be a contract with a contract sum of which is no less than HK\$2,000,000 per year on average.

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Assessment Criteria on Technical Aspects	Maximum Mark	Marking Guidelines
(ii) The Tenderer's proven record and experience in provision of food waste smart bins (including delivery, testing & commissioning, maintenance services) to public rental housing estates and private housing estates (Refer to Annex III for the format to be adopted for showing experience)	5	• Holds relevant experience in provision of >500 nos. of food waste smart bins for public rental housing estates and private housing estates (100%) • Holds relevant experience in provision of 400 – 499 nos. of food waste smart bins for public rental housing estates and private housing estates (75%) • Holds relevant experience in provision of 300 – 399 nos. of food waste smart bins for public rental housing estates and private housing estates (50%) • Holds relevant experience in provision of 200 – 299 nos. of food waste smart bins for public rental housing estates and private housing estates (25%) • Holds relevant experience in provision of <200 nos. of food waste smart bins for public rental housing estates and private housing estates (0%)
Grand Total:	100	

The maximum weighted Technical Score is 60. The Technical Proposal with the highest mark amongst the conforming tenders will be given the maximum weighted Technical Score of 60. The weighted Technical Score for the other conforming tenders will be calculated as follows:

$$\text{Weighted Technical Score} = 60 \times \frac{\text{Mark of the tender being assessed}}{\text{Highest mark amongst the conforming tenders}}$$

Assessment of Price Proposal

The maximum weighted Price Score is 40. The Price Proposal with the lowest price amongst the conforming tenders will be given the maximum weighted Price Score of 40. The weighted Price Score for the other conforming tenders will be calculated as follows:

Weighted Price Score

$$= 40 \times \frac{\text{Lowest price amongst the conforming tenders}}{\text{Price of the tender being assessed}}$$

Calculation of Combined Score

The combined score achieved by each tender will be calculated as follows:

$$\text{Combined Score} = \text{weighted Technical Score} + \text{weighted Price Score}$$

Calculations should be rounded to the nearest two decimal places. In other words, figures with value at the third decimal place larger than or equal to 0.005 will be rounded up by adding 0.01 to the figures and curtailing the third decimal place onward, whereas figures with value at the third decimal place below 0.005 will be rounded down by curtailing the third decimal place onward without changing the value at the second decimal place.

Award of Contract

The **two (2) Contracts, Contract (A) and Contract (B)**, will be awarded to successful Tenderers, according to the award rules as stipulated in Clause 20.1. and 20.2 of Terms of Tender.

The ECC is not bound to accept any offer.

Any prompt payment discount quoted by the Tenderer will not be taken into consideration in the tender price assessment.