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Questions & Answers
ITB-UNDP-PETRA-92264-002-2020

Assignment Name:

Procurement of Works: Construction of Health and School Facilities in Lombok

TO ALL INTERESTED BIDDERS

- Q: Whether (UNDP) Consultant will provide the revised Bill of Quantity (BoQ), especially to reflect on the changes of quantity as stated in the [Question and Answer \(Q&A\) Part 3](#) - for the last three items being asked below (as much of Quantities referring to the Drawings or Technical Specifications. BoQ is currently being locked, whereas for submission, bidders are required to refer and use the original BoQ template).
- a) STP Volume Capacity is stated to refer to the Technical Specifications, not BoQ.
 - b) Doors and Windows Qty are stated to refer to the Drawings, not BoQ.
 - c) In the BoQ of LOT 1 (Health Facilities), water and electricity costs are set for only 5 months while the duration of the contract is 9 months.

- A: UNDP provides the [Amendment 3 to ITB-UNDP-PETRA-92264-002-2020](#), which is revising the *Technical Specifications (Annex 1)*, *Bill of Quantities (Annex 3)*, and *Form F – Price Schedule (Annex 7)* for both LOT 1 and LOT 2, for which bidders may obtain the revised documents in the ATLAS e-Tendering, Procurement Notice and UNGM websites.

Bidders are required to refer to the latest updated documents. However, to input the prices for bid, bidders are required to use [Annex 7 – Section 6 – Form F – Price Schedule](#) for each or both LOT 1 and LOT2, instead of using [Annex 3 – Bill of Quantities](#), which are attached only to provide point of technical reference for bidders. Volumes/Qty columns in both forms are locked by UNDP, in order to avoid variance during bid submission or tendering process.

In regard to the last three items being asked in [Questions and Answer \(Q&A\) – Part 3](#), clarifications are as follows:

- a) The Volume Capacity for STP (Sewage Treatment Plant) works can be referred to the latest updated [Annex 3 – Bill of Quantities \(Revision date 26 June 2020\)](#), especially at the section “**VII. SEWAGE TREATMENT PLANT**” for Puskesmas Labuhan, and at the section “**C. SEWAGE TREATMENT PLANT**” for all school facilities.

- b) For the quantity of "Door and Window Frame Works", bidders may refer to the latest updated *Annex 3 – Bill of Quantities (Revision date 26 June 2020)*, especially at the section
- **"12. Door and Window Frame Works"** for PUSTU PUSTU Telaga Wareng; PUSTU Tegal Maja; PUSTU Sesait; PUSTU Rangso; PUSTU Pendue; PUSTU Gangga; and PUSTU Selengan;
 - **"10. Door and Window Frame Works"** for PUSTU Gapuk;
 - **"4. Door and Window Frame Works"** for PUSKESMAS LABUHAN;
 - **"9. Door and Window Frame Works"** for SMK PEMENANG and SMK KAYANGAN;
 - **"7. Door and Window Frame Works"** for SMK TANJUNG; and
 - **"8. Door and Window Frame Works"** for SMK GANGGA.
- c) For LOT 1 – Health Facilities, work items of electricity and water costs on each PUSTU building are allocated for 5 (five) months in the BoQ with consideration of the size of the PUSTU buildings that are not too large, i.e. between 123 m² to 132 m², as compared to the building area of PUSKESMAS, which is 1,306 m². Nevertheless, the overall contract duration for each or both LOTs are 9 months.

Q: There is a calculation error in the volume of "**Lean Concrete Under Foundation**" at SMK Gangga. The cumulative total (all items) of the BoQ volume for SMK Gangga is more than 2,100 m³, when referring to the volume calculation of the Drawing, it will not exceed 100 m³. Please clarify on why such large volume over 2,100 m³ is required for all 5 (five) buildings in SMK Gangga, as it would affect significantly on the price consideration.

A: **There is the error calculation due to the application of incorrect measuring units, i.e. sq.m instead of cu.m. It then affects the volume of a certain work item. We have revised the BoQ. Please refer to *Annex 3_LOT 2 BOQ of School Facilities (Revision date 26 June 2020)*.**

Q: There is question that is not yet fully answered from bidders, regarding the structure of light steel roof truss material. In the *Questions and Answer (Q&A) – Part 3*, it was stated that the required type was G550 mild steel, but the answer did not explain the dimensions to be used. As it is known that options for the type of Zinalum in the market are vary in regard to dimensions, but none could apply to what is indicated in the Drawing. Please clarify on both of the type and dimensions that are going to be used, as it would affect the consideration of unit price and the overall value of both LOT 1 & LOT 2.

A: **As clarified in the *Questions and Answer (Q&A) – Part 3*, the specification of roof truss material is G550 mild steel.**

For more details please refer to:

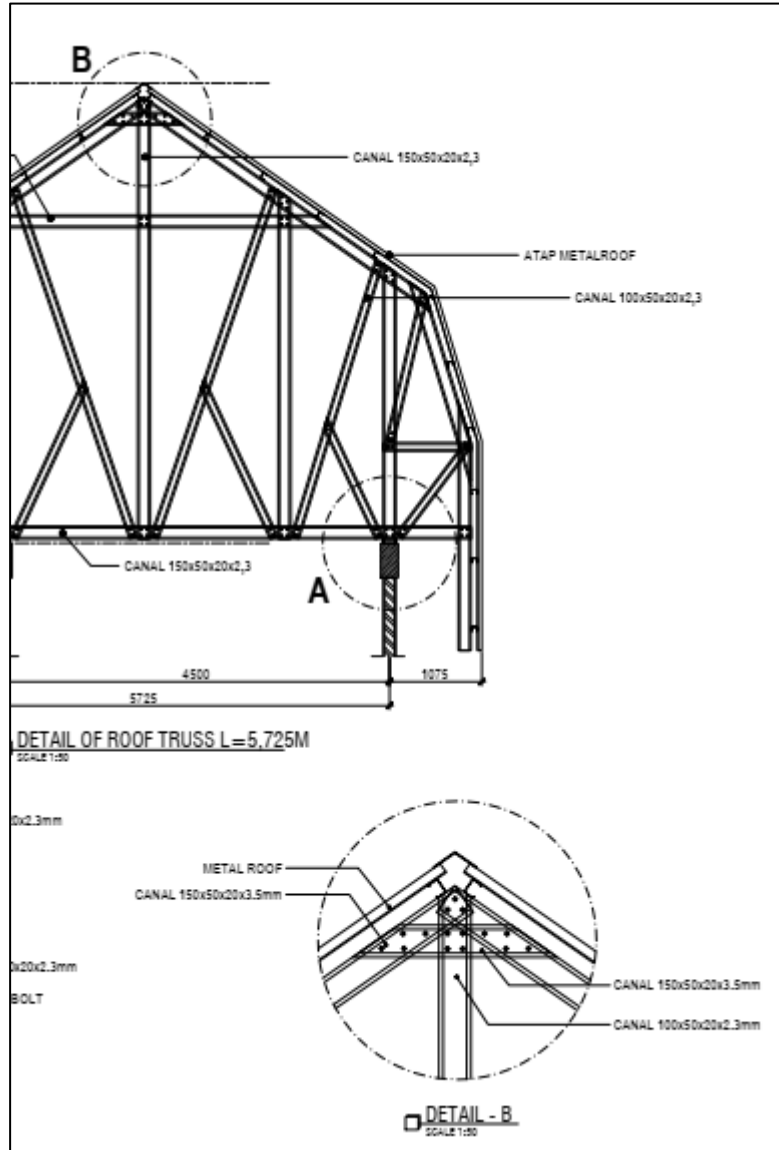
- *Annex 1 – LOT 1 - Technical Specification of Health Facilities (Rev 26 Jun 2020)*, Chapter XI Roof Work p. 78 of 162.
- *Annex 1 - LOT 2 - Technical Specification of School Facilities (Rev 26 Jun 2020)*, Chapter XI Roof Work p. 76 of 161.

Types of Roof Truss are Canal C/ C Truss C150 and C100. Please refer to the drawings for the information on dimensions.

LOT 1 – Medical Drawing Ref # ARDC-S-PSKM/LL-18

Type Profile Lightweight Steel Frame Profil Canal with dimension

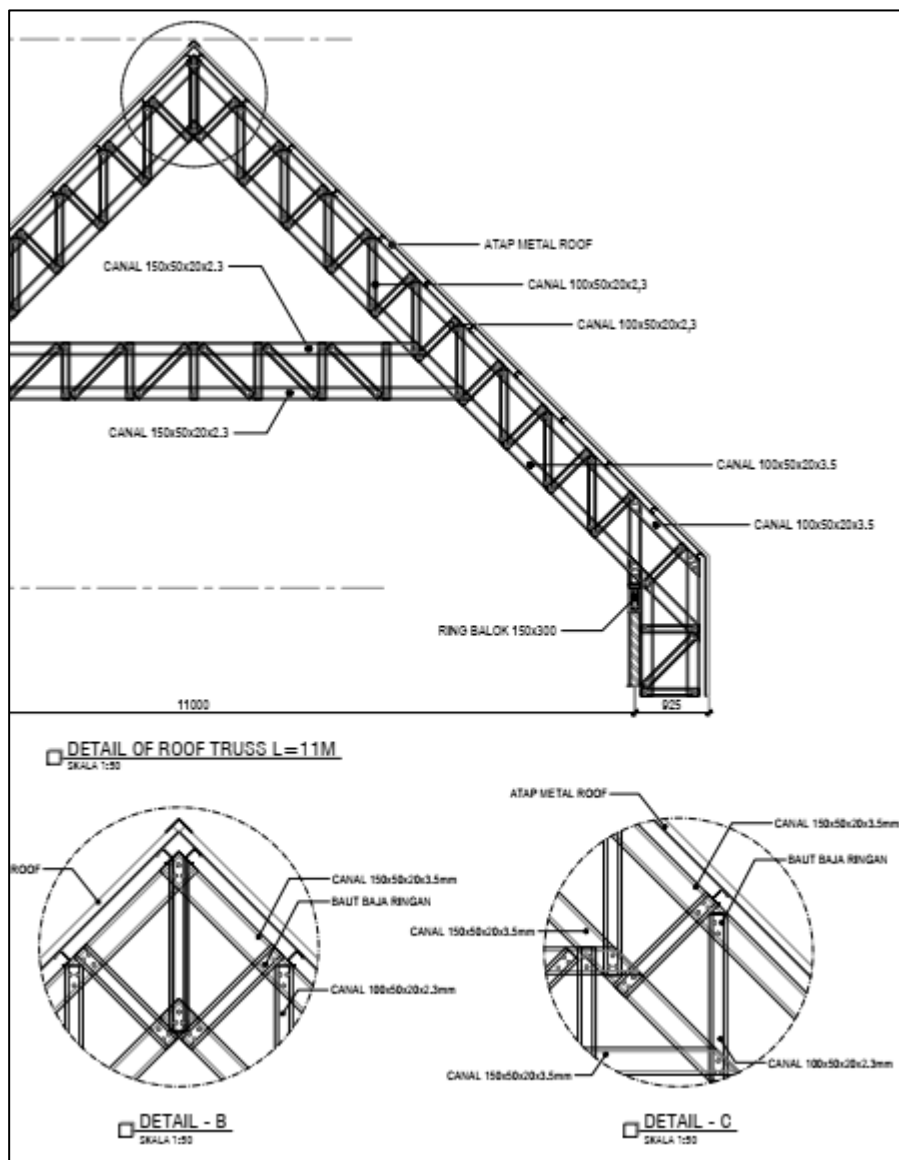
- Roof truss : Canal (Profil C) 100x50x20x3.5 mm
- Wind Bracing : Canal (Profil C) 100x50x20x2.3 mm
- Roof Cover : zincalum sheet t = 0.4 mm with clip-lock system



LOT 2 – School Drawing ref # STR-SMKN/PG-S-069

Type Lightweight Steel Frame Profil Canal with dimension

- Roof truss : Canal (Profil C) 150x50x20x3.5 mm
- Wind Bracing : Canal (Profil C) 100x50x20x2.3 mm
- Roof Cover : zincalum sheet t = 0.4 mm with clip-lock system



Notes:

Regarding market availability – please have a check since the design adopted type of truss registered in the SNI 8399-2017 and *Katalog Baja Ringan Konstruksi 2018* issued by Indonesian Ministry of Public Works.

For more details, please refer to the document SNI 8399-2017 “*Profil Rangka Baja Ringan*” and *Katalog Baja Ringan Konstruksi 2018* issued by Indonesian Ministry of Public Works.

Q: There is a question not yet answered from bidder, regarding the STP for Puskesmas Labuhan. During Pre-Bid Conference, it was stated that the STP (Sewage Treatment Plant) is 5 mpd, but this quantity could not be found in the BoQ. Please Clarify.

A: For work items STP (Sewage Treatment Plant) for Puskesmas Labuhan, bidders may refer to the latest updated [Annex 3 – LOT 1 – BOQ Health Facilities \(Revision date 26 June 2020\)](#), especially at the section “**VII. SEWAGE TREATMENT PLANT**”, at which the quantity has been recently added.

Further information about the STP capacity of Puskesmas Labuhan is 5 m³ per day, which can be seen in the latest updated *Annex 1 – LOT 1 - Technical Specification of Health Facilities (Revision date 26 June 2020)*, Chapter XXIII, 23.2.1. Material Tank of WWTP, page 129.

Q: There is question not yet answered from bidders: clarity on technical specifications, details or drawings for STP (Sewage Treatment Plant) Cold Storage. Please clarify on this, as the price range for these items is very large.

A: **Item of works of Cold Storage has been provided in the latest updated *Annex 1 – LOT 1 – Technical Specifications – Health Facilities (Revision date 26 June 2020)*, which determines the details as follows:**

No	ITEM OF WORKS	MATERIAL	TYPE	SYSTEM	PRODUCK/BRAND/MANUFACTURE
18	COLD STORAGE	Interior Stainless Steel 304	Upright Type	Cascade Refrigeration System	LabTech Ldf-9010U or Equal
		Exterior Epoxy Powder Coated EGI Steel	396 liter capacity		

For more details, please refer to the *Annex 1 – LOT 1 – Technical Specifications – Health Facilities (Revision date 26 June 2020)*, Page 153.

Q: Questions that require more clarification:

- Iron door specifications for the School buildings are not found in the Drawing but the quantity is stated in the BoQ. Please clarify on this specification immediately to bidders, given the types and prices are varied widely in the market.
- The quantity for Air Conditioner (AC) for SMK Pemenang as can be seen in the BoQ is 10 units, while the information stating differently, only 5 units, with 3 units of 1 PK, and 2 units of 2 PK)

A: **Answers:**

- Picture of Iron door with its size (80 x 200 cm²) can be seen at the DED TPS 3R image in the *Annex 2 - LOT 1 - Drawings of Health Facilities (Amendment 1)*. This iron door is a warehouse door in the TPS 3R building. For the specification of the iron door, it is a trellis door with 40 x 40 (frame) and 40 x 20 (middle section) hollow material and does not need fabrication, but can also be made locally. Iron doors only amount to 1 unit in each TPS 3R building.
- For the quantity of Air Conditioner (AC) for SMK Pemenang, the total required quantity is 7 (seven) units: 3 units of 1 PK, 2 units of ½ PK, and 2 units of 2 PK. Bidders may also refer to the latest updated *Annex 3 – LOT 2 – BOQ of School Facilities (Revision date 26 June 2020)*, especially at *XV. ELECTRICAL WORKS – section C. INSTALLATION OF AIR CONDITIONING*.

Q: The quantities of ceramics are significantly different between what are stated in the BoQ and Drawing. For example, in SMK Gangga, the quantity for Ceramic Floor Tile 600 x 600 mm is only 12 m² in the BoQ, but ± 330 m² in the Drawing.

- A: UNDP has recently revised the quantities of ceramics for “**Floor and Wall Works**”. Please refer to both latest updated *Annex 3 – LOT 1 – BOQ of Health Facilities (Revision date 26 June 2020)* and *Annex 3 – LOT 2 – BOQ of School Facilities (Revision date 26 June 2020)*.
- Q: Related to the Statement of Satisfactory Performance, it is required that bidders shall provide minimum 3 (three) from past clients in terms of similar project completion within last 10 years. For Joint Venture bidders, could these minimum 3 statements of satisfactory performance be submitted accumulatively from each company under Joint Venture?
- A: **Statement of Satisfactory Performance from minimum 3 clients shall be required from and referred only to the Lead Firm of that Joint Venture or Consortium. Other companies under that Joint Venture may add their Statement of Satisfactory Performance, but shall qualify as additional supporting documents.**
- Q: May the minimum average annual turnover of USD 4,500,000 in the last 3 years (Financial Standing) for participating in both LOT 1 and LOT 2 be calculated and submitted accumulatively for Joint Venture/Consortium bidder?
- A: **Yes, as stated in the *Bid Data Sheet* of tender document, bidder in a Joint Venture/Consortium that would like to participate in both LOT 1 and LOT 2 may meet such total amount of Financial Standing accumulatively.**
- Q: How many years of relevant experience in construction a company can bid for LOT 1 and LOT 2? In Section 4: Evaluation Criteria, Qualification the minimum relevant experience in construction for LOT 1 is 10 years and minimum 12 years of relevant experience for LOT 2. However, in Form E: Format of Technical Bid, Section 1: Bidder’s qualification, capacity and expertise, the minimum relevant experience in construction is only 10 years. Please clarify.
- A: **The minimum experience required for LOT 1 and LOT 2 in Form E: Format of Technical Bid, Section 1: Bidder’s qualification, capacity and expertise shall be read:**
- “Minimum 10 years of relevant experience in construction, preferable in public infrastructure development, restoration and rehabilitation, particularly for health (primary health care and sub-primary health centers), education (schools) and similar related infrastructures for LOT 1**
- Minimum 12 years of relevant experience in construction, preferable in public infrastructure development, restoration and rehabilitation, particularly for School Building for LOT 2”**

Jakarta, 29 June 2020