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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: The column for inputting the price in the Excel sheets of **Annex 7 Form F Price Schedule** are too narrow so we cannot input a long number, can you resize the cell in the Price Schedule?
- A: The revision of cells size of Price Schedule LOT 1 and LOT 2 are both attached with the filename "Resize of Annex 7 - Form F - Price Schedule LOT 1" and "Resize of Annex 7 - Form F - Price Schedule LOT 2" respectively. Please use these latest forms.
- Q: What is the currency rate in IDR (Indonesian Rupiah) that the bidders shall refer and apply to prepare and process the Bid Security (Bank Guarantee)?
- A: Bidders may refer and apply to the United Nations Operational Rates of Exchange (UNORE) through the following link: <u>https://treasury.un.org/operationalrates/default.php</u>.

#### The UNORE currency rate of IDR to USD for June 2020 is IDR 14,675 (USD 1)

- Q: 1.) Does the truss use Mild Steel ST-37 Galvanized and not using Light Steel? For the record: Canal Light Steel with this dimension does not exist/is not available on the market.
  - 150.50.20.2,3
  - 150.50.20.3,5
  - 100.50.20.2,3
  - 150.50.20.3,5

2.) According to Annex 1, Chapter XI, "Roof Work", 11.3 "Material", page 76.1C. Ease: Light Steel according to drawing and recalculated by the contractor. Does this mean: That the contractor can use other materials, for example (75, 75, 0, 75) if they can be accounted for by engineering calculations?

3.) Things that are less clear than the image size of the horses (figure 1)

- Height of easel frame, no = a
- Distance between frame of horses, no = b
- Dimensions of battens and battens distances, no.

- A: The truss uses light steel (G550 mild steel). Not recommended to use other materials. In principle, the roof truss design is as stated in the Technical Specification & DED Drawings. By considering the availability of material dimensions in the field, it is still possible to change the shape of the truss structure and the dimensions of light steel material. As long as it does not change the outside shape of the roof. Changes in roof structure design can only be done after the Planning Consultant has reviewed and provided approval for the design proposals and structural calculations made by the contractor. BQ counts for the procurement of light steel frame truss based on installed square meters.
- Q: The thick metal roof is specified/written 0.4 mm. Is this thick TCT or BMT?
- A: **0.4 mm thick based on BMT (base metal thickness).**
- Q: Specifically, for school buildings, the type of Clip Clock System roof is not able to provide a roof that follows the angular arch/corner fracture as shown. Are there other ways or solutions for the Clip Clock System type of roof pair that form angular arches / angular fractures? (picture 2)



A: The Type Clip Clock System exists and can provide a roof with angular curves with a radius of 50 cm, for example in the following brochure.



- Q: Column Work: The volume of formwork is calculated as half the volume of formwork in the figure (attached BoQ of 10 health facilities). Can you please explain?
- A: Formwork is planned for two times the use of casting, so that in BoQ formwork is calculated half the volume intact.
- Q: Latei Beam Work: There is no detailed picture of Latei Beam so it cannot calculate the Latei Beam volume according to the picture (attached BoQ of 10 health facilities).

- A: Latei beams are practical beams of dimension 13 x 13 which extend horizontally above the openings (windows, doors, or bovenlight) on the wall. Latei beams connect / connect between building wall columns only on each wall that has these openings.
- Q: Ramp Work: in item C. Disable Parking, concrete thickness is not in the Drawing.
- A: **Disable parking thickness + 100 mm.**
- Q: Flat Roof Concrete Work: written on BoQ Wiremesh M4 150 (Single), while in the picture there is no M4 wiremesh (layout of slab P1 written Wiremesh M6 Double) (attached BoQ Labuhan Puskesmas).
- A: Concrete flat roof work for Puskesmas uses wiremesh M8-150 (double), while wiremesh M4-150 (single) is concrete with a thickness of 50 mm which is done after the waterproofing membrane has been installed on the plate roof. For waterproofing coating type work used in the area of:
  - Concrete roof on the side area and terrace on the Pustu.
  - Puskesmas on the roof of the main entrance and toilet on the 2<sup>nd</sup> floor.
- Q: Concrete Table Work in Pantry: Ceramic Wall Tile 200 x 300 mm (not in the picture) (attached BoQ 10 health facilities).
- A: Ceramic wall tile 200 x 300 mounted as a wall in the pantry table area with a height of 70 cm from the pantry table.
- Q: Specialties Works: Variations grille / louvre and Installation of ACP (no image details) (attached BoQ 10 health facilities).
- A: Please see the picture in front of the health center.
- Q: Concrete Slab T. 120 MM: written BoQ Wiremesh M8-150 (Double), while written in picture M6 Double wiremesh (attached BoQ Labuhan Health Center).
- A: For concrete slabs using T.120 mm.
- Q: Staircase (stairs): in the picture there are 2 units of stairs, while the calculation of BoQ volume is 1 unit of stairs (attached BoQ Puskesmas Labuhan).
- A: For the ladder volume, follow the volume contained in the BoQ.
- Q: Grill channel 15 x 175: There is no grill channel detail picture so that it cannot calculate grill channel volume according to the picture (attached BoQ Puskesmas Labuhan).
- A: The 15 x 175 channel grill in the TPS3R lobby area functions as a drainage channel when the compost and sort area is cleaned.
- Q: Step at Terrace: There are no detailed images so you cannot calculate the volume according to the picture.
- A: Step at terrace is at each end right and left in the hall of the school building (SMKN). Due to the addition of the height of the building / hallway, step stairs are needed from the original land level to the lobby level.
- Q: Can we add an attachment to the BoQ, to clarify / strengthen the technical information of the material / equipment that we will offer. For example, there are no light items, so we add an attachment in BoQ?
- A: Additional attachments as an explanation can be made, but do not change the BoQ.

- Q: If there is a difference between the volume / number of light points, switch points, socket points between BoQ and technical drawings. which one can be used as a reference calculation? (PUSKESMAS)
- A: For volume / number of lamp points, switch points, and socket points, please refer to the BoQ.
- Q: Detailed technical drawings of lights are not the same as BoQ (in all PUSKESMAS buildings). In the BoQ is written RM LED Light 2 x 18 W, but the Drawing says Surface Mounted Steel Reflection TLD 2 x 18 Watt. Do you use RM LED lights or Surface Mounted? (PUSKESMAS)
- A: Use RM LED lights according to BoQ.
- Q: There is no detailed technical drawing of the type and model of lights (in all PUSKESMAS buildings).
  - In BoQ Barret Circulair 20-Watt lamps, there is no type / model picture.
  - In BoQ Lght Box Ceiling Lamp 17 Watt, there is no image type / model.
  - In the BoQ Garden Lamp, there is no image type / model (Puskesmas Labuhan).

# A: Please see Appendix 1.

- Q: Item Lightning protection, there is no detailed picture of the amount of terminal water / amount of splitzen installed on the roof of the building. (PUBLIC HEALTH CENTER).
- A: In PUSKESMAS, the amount of terminal water for each building is 5 (five) units.
- Q: Is lightning protection / lightning protection installed only in the Healthy Building or also installed in the Doctor House?
- A: Installed only on Healthy building.
- Q: Item Grounding System c / w control box, there are no detailed images and dimensions of the control box. And box control positions for each PUSKESMAS building.
- A: Please see Appendix 1.
- Q: The power cables that are installed (from PLN to the Healthy Building) and (from the Healthy Building to the Doctor House), are they installed underground or installed in the air? Because in BoQ the power cable uses NYY Cables and NYA Cables, the designation is not for underground buried cables. Underground power cables usually use NYFGBY cable types.
- A: Through the ground, both types of cables may be used in the soil as long as they are protected. NYY cable for power and NYA or BC for grounding. NYA cable is not use for power. See Table 7.1-5 List of construction and use of thermoplastic sheathed and sheathed earth cables (PUIL 2000), SNI 04-0225-2000.
- Q: 1.) In the Technical Specification of Medical Facilities & School Facilities, in Chapter 18, article 18.3, it is written: "Contractor should have installation Approval Letter (SPI) and Work Permit Letter (SIKA), issued by PLN, with minimum Grade A". Can this be interpreted if the contractor must also take care of the SLO (Certificate of Eligible Operations) issued by PLN for each PUSKESMAS building.

2.) Does the contractor also propose connecting electrical power or adding electric power to PLN (for each PUSKESMAS building)? With the magnitude of power (VA) as in technical drawings.

A: Arrangement and the connection of electric power to each building by following the local PLN regulations.

- Q: Item Fire Extinguisher / Fire Extinguisher, not explained the desired size / weight, as well as the type of fire extinguisher. Does the fire extinguisher use Dry Chemical Powder / ABC type or others? (FIRE EXTINGUISHER)
- A: Dry Powder Type, 2 Kg.
- Q: Item Transfer Pump does not have clear specifications and recommended brands (for all School buildings).

# A: For specifications, please refer to Technical Specification. (Table tool specifications in the attachment of Technical Specifications).

Q: Batu Kali Foundation Work:

Case Example in the Administration Building at SMK Pemenang

- Drawings of the Foundation plan (Page Pdf 132 'Layout Foundation Administration Building' direction X ordinate A1 and A5, direction Y ordinate AE and AR there are NO stone foundation pairs.

- Whereas in the Cutout Picture (pdf 64 "Building Administration section") on Ordinary AE and AR Section A, on Ordinate A1 and A5 section B, the installation of stone foundations.

- Whereas in the Cross-Section Structure Figure (pdf 184) both the Cross Section I Structure and the Cross-Section II Structure on the A1 and A5 Ordinate there is NO stone foundation installation.

- If there really is "no" what about the retaining wall under the building?

A: - Drawings of the Foundation plan (Page Pdf 132 'Layout Foundation Building Building' direction X ordinate A1 and A5, direction Y ordinate AE and AR there are NO stone foundation pairs.

- Retaining wall under the building using rolaag brick pairs.

- Q: Roof truss: For roof truss material (Light Steel) we ask for an explanation of the specifications, both TCT (Total Coating Thickness) and TCC (Total Coating Color). Because in the "Detail of Roof Truss" picture (pdf 198) there is a thickness of 3.5 mm while in the field / market the thickest available is only 1.00 mm TCC (normal 0.75 TCC) \*\* (applies to Lot 1 and Lot 2).
- A: Roof truss using light steel (G550 mild steel). Not recommended to use other materials.

- In principle, the design of the roof truss is in accordance with RKS & DED Drawings. By considering the availability of material dimensions in the field, it is still possible to change the shape of the truss structure and the dimensions of light steel material. As long as it does not change the outside shape of the roof. Changes in roof structure design can only be made after the Planning Consultant has reviewed and provided approval for the design proposals and structure calculations made by the contractor.

# - Applies for lot 1 and lot 2.

Q: STP. There is a difference in the amount of capacity (m3pd) of STP between what was delivered during 2<sup>nd</sup> Virtual Pre-bid Conference (12 June 2020) and BoQ as follows:
SMK Pemenang: (Pre-bid) 20 mpd Vs (BoQ) 40 mpd
SMK Tanjung: (Pre-bid) 40 mpd Vs (BoQ) 66 mpd
SMK Gangga: (Pre-bid) 15 mpd Vs (BoQ) 35 mpd
SMK Kayangan: (Pre-bid) 15 mpd Vs (BoQ) 20 mpd
Puskesmas Labuhan Lombok: (Pre-bid) 5mpd Vs (BoQ) N/A, but is there Cold Storage?
Please confirm. For Cold Storage, are there any detailed specifications?

# A: For STP capacity, please refer to Technical Specifications.

- Q: Volume differences in Door and Window Framework Work on CLASS D BUILDING:
  - Door Frame AD-01 + Accessories: BoQ 1 unit vs. Drawing 8 units
  - Door Frame AD-03 + Accessories: BoQ 2 units vs. Drawing 1 unit
  - Door Frame AD-04 + Accessories: BoQ 5 units vs. Drawing 1 unit
  - Door Frame AD-05 + Accessories: BoQ 12 units vs. Drawing 3 units.

# A: For Door and Window work, please refer to the Drawing.

- Q: The BoQ stated that water and electricity would be available for a 5-months work. We assume 5-months to complete 1 LOT, but the ITB says it needs 9-months for each and both LOT(s). Which one is the correct duration?
- A: The correct duration for each LOT and both LOTs combined is 9 months, as per ITB document.

Jakarta, 19 June 2020