

Supply of Contraction materials for Durable Shelter Construction in Kabul and Kandahar Provinces funded by KFW

ITB Reference No: NRCS020190001 / NRCS020190002

Date: 14th March 2019

Clarifications to bidders # 1

Q1. Items number 15: I-beam which weight is 14.75 lb/ft this is equal to 22 kg/m and if multiplied by 12 m it should weigh 264 kg which cannot be found in Afghanistan?

The specification of the beam should be as follow:

I-Beam height =14cm, width = 7cm, thickness =5mm, weight/meter =10.58 Kg

Q2. The bamboo diameter mentions 15cm to 18cm which the perimeter is approximately and will the equal to 44 or 4. This measures cannot be found in Afghanistan?

The perimeter has been changed to 25cm to 30cm

Q3. T iron size mentioned 75mm* 150mm and this size cannot be found locally in Afghanistan.

The new dimension is provided below:

T-iron width=4.5cm-5cm, height=2cm, thickness =4mm weight = 1.8kg-2kg

Q4. Clarification for Steel I-Beam Lintel Size and specifications Which is not clear in Annex A.

Steel I-beam: Designation S5 x 14.75 ,Nom. Weight, 14.75 lb/ft, Flange 3.284 and the all elements shall be coated with two layers anti corrosion and two layers painting applied through spraying.

Q.6. Design and Drawing of Precast RCC I-beam and Slab for Roof and for latrines are not attached to show the detail specifications.

The precast RCC beam made of Ordinary Portland Cement, aggregate and water within Mark 200 (I.e. minimum compressive strength of 20 MPA without reinforcement), with the reinforced concrete ranging between 3,500 to 5,000 psi. The height will be 25cm and width 10cm. With dimensional tolerance of 2%.



RCC slab.pdf

Q7. Drawing of metal and wooden windows and doors are not included to indicate what are their types to be estimated.

The door frame shall be of flanged square steel tubing. 40mm*40mm,2mm thickness. The door shall be made from steel Z type 25mm*40mm,2mm thickness with overlap on two sides. The

door should be fitted with 26 standard wire gage (SWG) corrugated sheet which is reinforced with bracing of square tubing. 20mm*20mm,1.5mm thick and spot welded on either side at 30cm. gap thick and spot welded either side at 30cm. the door frame should have two anchor posts constructed from 50mm square tubing of 2mm thickness which are fully line welded to the door frame at all joints. the sliding bolt/lock and hinges should be fully welded and not screwed.

The door all elements shall be coated with two layers anti corrosion and two layers' paint applied by spraying. Color of the paint will be determined by NRC after consultation with the household members.



Shelter door.PDF