**Clarification of Bidding Documents**

**The response to the request for clarification that received from potential bidder within the framework of tender for Procurement of Machines and PCB Manufacturing for Engineering City Laboratories, ICB No: TPQI-G-2.3.1.2/1.**

**Question 1**

***Item 1.4 of the TS***

According to required specifications, such as: swing over table: 450 mm; max. grinding diameter: 450 mm; max. load between centers – 180 kg, you require a standard CNC cylindrical grinding machine.

Meanwhile, you also require: **distance between centers – min. 9000 mm.**This requirement does not match with all the remaining requirements, as only heavy duty, highest productivity machines can offer such a distance between centers. Most of the manufacturers’ highest performance machines offer only 3000 mm distance between centers; while the most appropriate / ideal distance between centers for an instrument with such specifications, as in the current tender, would be 1000-1500 mm.

Please confirm that the requirement of 9000 mm can be changed accordingly, in order to match the overall requirements for the machine.

Also, for I.D you have mentioned two requirements – 110-130 mm and an optional 145-180 mm. Please clarify what option should we offer – 110-130 mm or 145-180 mm?

Again, for Internal Grinding requirement you have mentioned Manual Elevation and noted that this is an option. Please clarify if we should or should not include this option into our offer?

**Answer 1**

The distance between centers – min. 9000 mm was mistyping problemand it **should be 900 mm.**

For I.D the requirement is 110-130 mm, whereas the mentioned 145-180 mm is also acceptable.

As you have clearly mentioned the Manual Elevation is optional and you may or may not include it in your offer.

**Question 2**

***Item 2.2 of the TS***

You first mention that the max. placement area should be 650 x 380 mm with conveyor or 650 x 460 mm without conveyor.

But for the same item you later state that the placement area should be up to 800 x 600 mm.

Please clarify, what should be the maximal placement area for this unit (based on other requirements, 650 x 460 would be ideal for such configuration).

**Answer 2**

As it was mentioned in the Point 2.2 of the “Technical Specifications of Machines and PCB Manufacturing for EC Laboratories” of Bidding Document the **PCB Specifications**are Max. Placement Area – **min** 650 mm x 380 mm - with conveyor, 650 mm x 460 mm - without conveyor and **Feeder capacity** specifications are **up to** 800 mm x 600 mm depending on number of feeder bases and board handling method. So, the proposed Feeder capacity 650x460mm is within the range of the required specification and is acceptable taking into account the fact that our requirement is **up to** **800mm X 600 mm**.