

**CLARIFICATION NO.: 1****BID NO.:** G/RFQ/KHPMUN-008/2020**BID DESCRIPTION:** SUPPLY AND DELIVERY OF NEW LOW VOLTAGE DISTRIBUTION KIOSKS AND ASSOCIATED EQUIPMENT (Period of 2 Years)**DATE:** 14 JANUARY 2021**1. RESPONSE TO QUESTIONS RAISED**

With reference to the above-mentioned Bid, KEETMANSHOOP MUNICIPALITY has the following official response to the clarification(s) raised regarding the Bid and the Bidding Documents:

Question No.	Question from Suppliers	Answers from Keetmanshoop Municipality
1.	<p><u>Annexure A (KEBU_SPEC_009) (SPECIFICATION FOR LV DISTRIBUTION KIOSKS)</u></p> <ul style="list-style-type: none">• Pg 5: Item 4.3.6: S/steel hinges are specified and you will not be able to remove the doors when installing if this is the case and as per item 4.6.2.3 on Pg 8 which does state that the doors must be removable? -specify appropriate hinges for Doors to be removable• Pg 6: Item 4.3.12: States that all kiosks shall be prewired a fitted with equipment as specified. In the circuit breaker section, the Moulded case circuit breakers vary in size from 100 to 600 A, so how do we allow for the wiring? Do we add it to the price of the various size circuit breakers? With the bigger frame Moulded case circuit breaker above 300A, are these for distribution and mounted on the consumer side, as you cannot fit an incoming and ongoing circuit breaker of that size in the incomer side if you are going to have a double phase busbar system? -Since the document	*Answers in RED

	<p>is a guideline for both developers(with own consultants and contractors doing work in the Municipal area) and suppliers this refers more to the developers ;as per SECTION III: LIST OF GOODS AND PRICE SCHEDULE Item 1 and 2 we require a 12 Way/9way Polyethylene Double Door Distribution Kiosk, complete installed with busbars, busbar covers, pad lockable, warning labels etc.</p> <ul style="list-style-type: none">• Pg 6: Item 4.4.7: States that a polyethylene backing board will be acceptable to the approval of the engineer? Please note that a 19mm supawood backing board is inserted into the polyethylene backing board for the mounting of equipment, as it will be impossible to mould brass inserts into the back board during the moulding process as requested on Pg 9: Item 4.8.4, as there are just too many variations of both MCB, CBs and meters. -This is duly noted;• Pg 9: Item 4.9.1: States that separate incoming and consumer phase busbars are required? Is this because of the fact that you have an incoming and ongoing main breaker and is this a definite requirement? In some instances we would have the incomer main as an Isolator and the progressing/outgoing cable protected through a Circuit Breaker Please see attached drawing for busbar layout where you will see that the biggest moulded case circuit breakers that can be installed in this case would be 250A? Please advise That is correct!. Please also see the drawing for the continuous Earth and Neutral design, where the busbars extend from the incoming to the consumer side for ease of testing. Please advise if this is acceptable. Both E & N bars are linked with 70mm² wiring to the gland plate/Unistrut. -This is acceptable• Pg 10: Item 4.9.5: States that the busbars must be mounted on horizontal staggered busbar insulators (as per drawing) but further down in the specification it states that it they must be mounted on colour coded insulators and you cannot have both. It is either staggered or standard 40mm coloured insulators, but they cannot then be staggered in height? Please advise. – The aim is to ensure that safe electrical clearance is maintained between the cable lugs on incoming distribution cable tails and the busbars of adjacent phases-if your arrangement satisfies this ,it is acceptable.• Pg. 10: Item 4.10.1: This requires a galvanized gland plate and all holes etc. must be made before galvanizing. There are so many variations of	
--	--	--



	<p>cable sizes that we would require the hole sizes for cable glands required on both the incomer and consumer side. I respectfully enquire whether it may not be better to use heavy duty 40 x 20mm Unistrut with K Clamps for cable terminations? This will also give more room for working when terminating cables? -As mentioned above the specification is a minimum guideline; heavy duty 40 x 20mm Unistrut with K Clamps for cable terminations is also an equal and acceptable means</p> <ul style="list-style-type: none">• Pg 11: Item 4.11.1: States that all wiring must be completed from busbars to consumer circuit breakers and from there to the meter. Can you please advise what we must allow for as there are various size circuit breakers as well as Din and BS footprint single and 3 phase split and credit meters? It is therefore very difficult to allow for all? Please advise. -Since the document is a guideline for both developers(with own consultants and contractors doing work in the Municipal area) and suppliers this refers more to the developers ;as per SECTION III: LIST OF GOODS AND PRICE SCHEDULE Item 1 and 2 we require a 12 Way/9way Polyethylene Double Door Distribution Kiosk, complete installed with busbars, busbar covers, pad lockable, warning labels etc.• Pg 11: Item 4.11.4: States that all consumer meters must be wired to 16mm² terminals and here again there are so many variants that this is difficult to do, as there are single and three phase consumers using Din and BS foot print meters. There is also very little room to allow for consumer terminals. Please see attached drawing and advise? -We require a standard terminal block suitable for the termination of 12x16 mm² stranded copper conductors. Terminals shall be of the screw type• Pg 11: Item 4.13.2: States that all main incoming and I presume ongoing feeder circuit breakers must be 25Ka, but as previously stated, with a double busbar system, only two 250A breakers will fit. Please advise if the bigger breakers are for distribution kiosks and not metering and that these breakers will be mounted on the consumer side of the kiosk?-This is correct; only one ongoing feeder circuit breaker and one main circuit breaker/Isolator per kiosk on the incomer side	
--	---	--

- Pg 11: Item 4.14.1 (a & b) This states that a main aluminium kiosk label as well as trafalite consumer labels must be fitted and the latter mounted in 25mm aluminium holder. I respectfully enquire whether single line diagrams with all the necessary kiosk and erf numbers will be supplied with every order? It will also be impossible to fit erf number labels if we do not know what meter is going to be fitted (din or BS footprint) as we will not be supplying and fitting the meters? **-Since the document is a guideline for both developers(with own consultants and contractors doing work in the Municipal area) and suppliers this refers more to the developers ;as per SECTION III: LIST OF GOODS AND PRICE SCHEDULE Item 1 and 2 we require a 12 Way/9way Polyethylene Double Door Distribution Kiosk, complete installed with busbars, busbar covers, pad lockable, warning label(Danger sign) etc.**
- Pg 12: Item 5(b) Requests layout and single line diagrams with tender, but once again this is not possible due to the various different options, as stated above. Please advise what we should do in this case? **-Since the document is a guideline for both developers(with own consultants and contractors doing work in the Municipal area) and suppliers this refers more to the developers**
- For all Polyethylene pole top boxes, the only thing that is included in the specification is s/steel pole mount brackets and I therefore enquire if the following is also required or are they empty: Wooden Backing board - Earth Or Neutral bar and if so for how many connections - 2 x rows of 35 x 8mm Din Rail? **-For pole mounted enclosures include wooden backing/Mounting plate complete with pad-lockable s/steel latch ,pole brackets, and warning labels** When pricing the 5 to 80A single pole 5 Ka circuit breakers, must we also allow for wiring and fitting in the pole boxes? **N/A**



	<p><u>Annexure B (KEBU_SPEC_009) (Technical Compliance Schedules A and B).</u></p> <ul style="list-style-type: none">• Item 2: Requires 9 and 12 way kiosks with the same number of consumers, but I would like to point out that should three phase Meters be fitted, you can only fit 4 and 5 respectively. Once again, how do we allow pricing for wiring? - Schedule A-indicates Keetmanshoop Electricity Business Unit specific requirements meaning we require from SECTION III: LIST OF GOODS AND PRICE SCHEDULE a sized 9 way kiosk and a 12 way kiosk• Item 12: States IP rating of IP45 where previously IP35 is stated as the requirement? Normally the specification is IP33? Please advise. Our specification requires Ingress protection of 45 rating on the Kiosk• Item 18: Once again I need your assistance on how we price the MCBs and MCCBs? Do we include the fitting and wiring? -No price in the column ;Only write down the technical particulars of equipment offered-In this case no MCB /MCCB will be installed hence ..N/A• Item 20: States that single line diagrams are required with tender. Please advise as to what configuration we should allow for on the following: Incoming CB - Ongoing feeder CB - Consumer CB - Meter type (Din or BS footprint) single or 3 phase -provide /attach the diagrams of the Kiosk (I.e. the drawings you mailed)• In the technical schedule for the circuit breakers, there is a requirement for energy limiting? Can you please give me clarification on what is meant by this? - I²t classification (energy limitation) is defined by the energy limitation class and the C60 (Schneider) range of MCB is as per class 3. Energy limitation class 1, 2 or 3 are in accordance to the permissible I²t (let-through) value of Circuit Breakers.	
--	---	--