Responses to queries raised on Tender No.
MCK/NBO/007/2020

Tender No: MCK/NBO/007/2020	**Responses to Queries raised by prospective tenderers**
Tender Name: **SUPPLY AND INSTALLATION OF A SOLAR SYSTEM AT MERCY CORPS MARALAL OFFICE**	**Date Issued: 29th October 2020**

This provides answers to queries raised by bidders as at 27th October 2020 which was the deadline for sending queries. The responses are posted on website for access by all prospective bidders and does not disclose the source of the query.

No.	Question	Response
1	**Is the Maralal office connected to the National Grid (KPLC)**	Yes. It has a single phase connection
2	**3-week extension**	Tendering period will not be extended. The timelines remain unchanged
3	**Is a site visit before submission mandatory or can we rely on the information in the tender document and submit our bid if we feel it is sufficient?**	It is not mandatory but is strongly preferred, contractors hold responsibility for a responsive tender.
4	**Payment proposal of 50% before installation and 50% after installation, testing and commissioning - are these terms acceptable for MC?**	As per Mercy Corps policy, all advance payments have to be secured by the contractor through a bank guarantee. The milestone payment will be negotiated and agreed by the winning firm before the contract is signed.
5	**On Page 7, you state that EPRA License Class C1 is required. As the System is not Tied to export to the grid, we feel that Class V1 and V2**	Class V1 and V2 are higher than C1 and will be acceptable

	are sufficient for this job. Please clarify on this.	
6	**On Page 7, A Copy of certificate from National Construction Authority for at least NCA 6 is required. Will a company with NCA 8 be disqualified?**	Only those with NCA 1 - 6 will be accepted, therefore NCA 8 will be disqualified
7	**On Page 12, It has been stated that the batteries must be multiples of 48V DC direct, i.e. no need to connect in series lower voltages to achieve 48V DC battery bank. On the same document Page 14, it is stated that, "Based on the usage in the other offices, the maximum usage per day should be less than 20KWh (i.e. 12-16 300W solar panels, 12-16 200Ah batteries, 5KVA hybrid inverter)". This implies that 200AH batteries which are 12V are acceptable. This is a contradiction that needs to be clarified**	As long as the bidder reaches the 48V it is up to them to choose the method for doing this, 200AH is the minimum size

8. **From the equipment and number of hours stated, if you add it all up the consumption is huge, but at the bottom of the table the peak load is only around 5kW. Clarify the load capacity?**

The technical team could not find any specifications for a 5kw peak on the tender. Based on current usage, we experience a 10kw peak when everyone is in the office, however, the contractor holds responsibility for a responsive tender. Please find more details below along with the appliance inventory. As stated in section 5.1 “Mercy Corps conducted a Site Survey to identify basic design requirements and parameters. This survey is included as Attachment 3. ALL PROPOSERS SHALL DEVELOP THEIR OWN DETAILED DESIGN AND EQUIPMENT SELECTION INDEPENDENTLY.”

- Not all interior lights will be on during the day
- The laptops may have minimal charging time
- The printers maybe active for the whole day but a considerable time on standby- (they only consume power when printing)
- The exterior lights are standalone solar lights as per the drawing
- At no point will all the devices run simultaneously
- Since the time of publishing the RFP, the instant water heaters are no longer required

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Items	Quantity	Power / watts	Hours of usage a day	Power usage per day (KWh/Day) Maximum
Computers	40	65 watts each	3	7.8
Printers	4	345 Watts for each	8	11.04
Network equipment	4	90 Watts for each	24	8.64
Refrigerators	2	220W Each	24	10.56
Microwaves	2	1700W for each	3.5 (40 people * 5 minutes each/day)	11.9
Mobile phone devices	40	5W for each	4	0.8
Interior lights	40	50W for each	8	12.8
Water pumps	2	370w each	2	1.36
Water Dispenser	2	1300W for each	8	20.8
Ceiling Fan	10	70 W for each	6	5.6
			Total	91.3

All other terms and conditions of the tender remain unchanged.

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