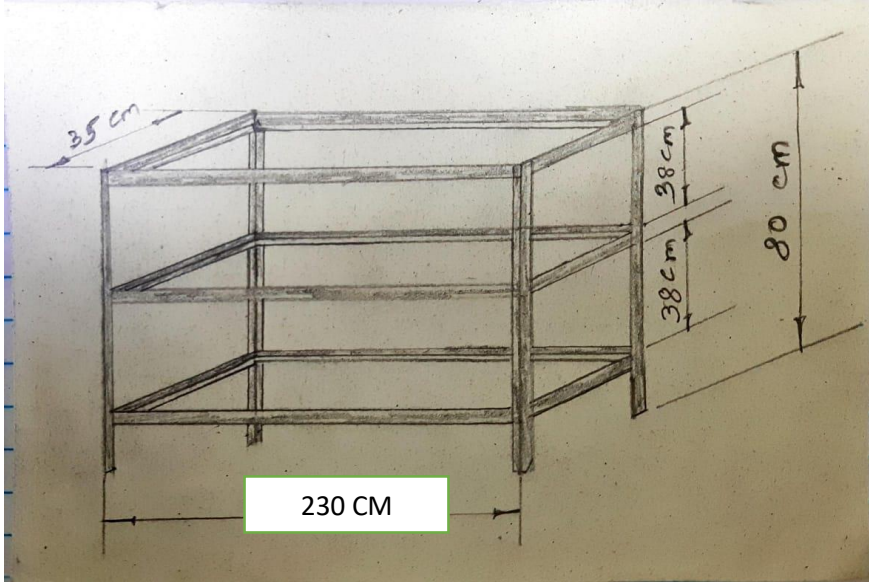


Annexure B

Pre-Qualification Criteria, Vendor Confirmation to Technical Specifications & Vendor's Details

A. Pre-Qualification Criteria			
Only those vendors who satisfy the following conditions will get qualified to participate in the tender:			
SL.No	Pre-Qualification Criteria	Vendor's Confirmation /Acceptance	
1.	Supplier of the batteries & stand for UPS system being quoted must be in the battery related business for the past 3 years.		
2.	Previous Purchase Order (PO) copy (supplied to BHEL or other organization) have to be provided along with the tender documents and full contact details of the previous PO (E-mail , telephone, mobile, website) to be submitted for verification		
B. Technical Specifications for Batteries			
SL No	Description	Requirement	Vendor's Confirmation/Acceptance
1.	Preferred make of Batteries	Amaron / Exide/ Power safe/ Quanta/ Luminous or equivalent	
2.	Type	Sealed Maintenance Free(SMF), batteries of Valve Regulated Type(VRLA)	
3.	Chemistry	Lead-Acid cell type	
4.	Nominal Terminal Voltage of each battery	12V	
5.	Capacity	65 Ah @ C10 rating with end cell voltage of 10.5V per battery.	
6.	Quantity	32	
7.	Application	For hot-standby UPS application	
8.	Expected minimum Service life of the batteries	Minimum 3 years	
9.	Other Features	The batteries shall have Low self-discharge, lower than 3% per month of its rated capacity under normal operating temperature. The batteries shall have maintenance Free operation and high self-life. The batteries shall have Low pressure venting system. The batteries shall have Deep discharge recovery. The batteries shall have Wide operating temperature (0-50 degree). The batteries shall have Heavy duty grid.	

Vendor Signature & Seal

C. Technical Specifications for Stand/Rack			
SL No	Description	Requirement	Vendor's Confirmation/Acceptance
1.	Material of construction	Suitable steel (with black colour painted)	
2.	Dimension/ Quantity of racks	<p>One rack can accommodate all 32 nos of batteries. The battery rack dimension shall be approximately 230 cm (L) X35 cm (W)X 80 cm (H) with ± 100 mm tolerance. The schematic sketch of the rack is shown below. However, the actual dimensions may vary depending upon the battery dimensions to be supplied</p> 	
3.	Rack arrangement	The rack / stand shall be arranged in three tires one above the other and each tire shall have one row.	
4.	Spacing of legs	The legs shall be so placed that no batteries terminals get obstruct during inter connection.	

Vendor Signature & Seal

D. Accessories and Installation			
1.	Interlinking cable	<p>1. For connection between batteries interlinking cable of size minimum 10 Sqmm FRLS insulated cables shall be used.</p> <p>2. Minimum length of interlinking cables shall be 250 mm for linking horizontal batteries.</p> <p>3. Minimum length of inter-linking cables for linking vertical tires shall be 400 mm.</p>	
2.	Linking cable terminal lug	Both the ends of each link cable shall be provided with insulated copper lugs of Dowels or equivalent heavy duty type. One end of the lug shall be provided with Red colour sleeve and the other end shall be provided with black colour sleeve. The size of the lugs shall match to the battery terminal hole.	
3.	Suitable SS Nut bolts with double washer and spring washer	Quantity- 32 set	
4.	Inter-connection	The inter-connections of batteries using the linking cables shall be done at site by the supplier.	
E. Supplier/Vendor details			
	Supplier Name & Address		
	Contact Person Name, email id and Mobile Number		
	HSN code for the quoted items		
	GST% included in the quoted price		

Vendor Signature & Seal