

**Schedule-‘S’ - GUARANTEED TECHNICAL PARTICULARS**

Sl. No.	Name of the Firm/Manufacturer	Unit	Min Guaranteed Value	offered value by firm
1.	Manufacturer's name & address		As per relevant IS	
2.	Capacity of battery at 27° C at 10 hours rate of discharge	AH		
3.	<b>PLATES</b>			
	i) Type of positive plate and dimensions. W×H×T	mm		
	ii) Type of negative plate and dimensions. W×H×T	mm		
4.	<b>CELLS: -</b>			
	i) Overall dimensions of cells W×H×T	mm		
	ii) Method of connection between cells			
	iii) Cell designation.			
5.	Type and material of cover			
6.	<b>CONTAINER: -</b>			
	i) Material of container			
	ii) Whether container is moulded or below type.			
	iii) Thickness of container			
	(a) Minimum			
	(b) Maximum			
7.	<b>SEPARATORS: -</b>			
	i) Type of material			
	ii) Thickness of separators	mm		
8.	<b>CLEARANCE</b>			
	i) Between top of plate and top of container	mm		
	ii) Between bottom of plate & bottom of container	mm		
9.	<b>ELECTROLYTE: -</b>			
	i) Quantity of electrolyte required for each cell.			
	ii) Specific gravity of electrolyte required for first filling at 27°C			
	iii) Maximum electrolyte temp. that the cell can withstand without any injurious effect.			
	(a) Continuously			
	(b) For short while			
	iv) Specific gravity of electrolyte			
	(a) At the end of full charge at 27°C			
	(b) At the end of discharge at 10 hours rate at 27°C			
10.	<b>OPEN CIRCUIT VOLTAGE OF EACH CELL AT THE END OF DISCHARGE AT 10 HOURS RATE.</b>			
11.	<b>CAPACITY OF THE BATTERY IN AMPS. HOUR AT 27°C.</b>			
	i) At 10 hours rate of discharge	AH		
	ii) At 5 hours rate of discharge	AH		
	iii) At 1 hours rate of discharge	AH		
	iv) At 1/2 hours rate of discharge	AH		
	v) At 1 minute rate of discharge	AH		
12.	<b>VOLTAGE PER CELL OF THE BATTERY AT THE END OF DISCHARGE</b>			
	i) At 10 hours rate of discharge	Volt		
	ii) At 5 hours rate of discharge	Volt		
	iii) At 1 hours rate of discharge	Volt		
	iv) At 1/2 hours rate of discharge	Volt		
	v) At 1 minute rate of discharge	Volt		
13.	How long battery can remain uncharged without deterioration of the active material before 1 <sup>st</sup> charge is given			
14.	Maximum discharge current of the battery.			
15.	Time for which maximum current as referred above can be continuously drawn such that end voltage does not fall below 21 volts.			
16.	Normal amp. hour efficiency of the battery at 10 hour rate			
17.	Nominal watt-hour efficiency of the battery at 10 hrs. rate.			
18.	Max. boost charge current of the battery.			
19.	Whether the list and quantity of items required with each battery set is enclosed or not	Yes/Not		
20.	Percentage of manganese and arsenic in electrolyte			
21.	Internal resistance of each cell			
22.	<b>STORAGE LIFE OF BATTERIES</b>			
	i) Without any filling.			
	ii) After electrolyte filling.			