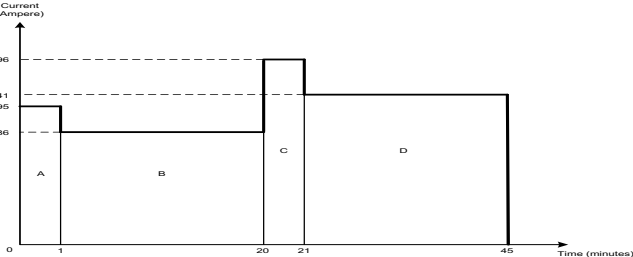


TECHNICAL BID ANALYSIS (TBA)
PENGADAAN BATTERY 220 VDC UNIT 1

SPESIFICATION REQUIREMENTS					NAMA VENDOR			
NO					PT. X	PT. Y	PT. Z	KETERANGAN
1	GENERAL							
2	Kesuaian Temperature	Temperatur (°C): 33	Min: 28	Max: 35	OK	Not OK	NO DATA	
3	Kesuaian Zona Gempa	Zona : 3						
4								
5	APPROVAL STANDARDS							
6	Standard	ANSI / IEEE / IEC / JIS / DIN/VDE						
7								
8	STATIONARY BATTERY SPECIFICATION							
9	Tipe Sel	OPzS						
10	Plate	Positif: TUBULAR		Negatif: GRID				
11	Lead Alloying	Low Antimony		0.5 ~ 1 %				
12	Container	High Quality Transparent Electrolyte Proof Material (AcryloNitrile-Styrene)		Black Color container is NOT APPROVED				
13	Number of Poles Terminal	Positif: Min. 3 pcs		Negatif: Min. 3 pcs				
14	Electrolyte Specific Grafity (SG)	1.22 atau 1.24		At 25 °C				
15	Full Charge Electrolyte Specific Gravity (SG)	1.27		At 25 °C				
16	Design Life Time	Min 20 years (Certified Letter by Manufacture)		At 20 °C				
17	Minimum Kapasitas (Ampere Hours):	2000 Ah (C10)						
18	Tegangan Nominal/Cell : 2 Volt	Tegangan Float Cell : 2.2 Volt						
19	End Voltage per Cell (Battery Design)	Minimum 1,80 Volts		Tegangan Equalize (Boost) Cell : 2.25 V End Voltage yang menyatakan battery sudah rusak.				
20	End Voltage per Cell at Commissioning/ Acceptance Test	Minimum 1,85 Volts		Metode Test C10 (200 A 10 jam). Test dilakukan Vendor termasuk alat dummy load, charging, dll disediakan oleh Vendor.				
21	Metode Pengiriman:	Kering		Dry Pre-Charged for Un-Limited Time Storage				
22	Jumlah Discharge Cycles	Minimal 1000 Cycle (Certified Letter by Manufacture)						
23								
24	KESESUAIAN DENGAN LOAD CHARACTERISTIC (End Voltage 1,80 VPC Back-Up Time 10 hours)							
25	Baterai harus dapat memenuhi load karakterisrik berikut: 							
26								
27	BATTERY RACK SPECIFICATION							
28	MATERIAL	CARBON STEEL DICAT DENGAN ANTI ACID COATING DAN DI BAWAH BATTERY DILENGKAPI DENGAN INSULATORS, CROSS BEAMS DAN WOOD STRIPS			ANTI SEISMIC BATTERY RACK (TAHAN GEMPA			
29								
30	ACCESSORIES							
31	Hydrometer Portabel	Diperlukan 2 buah						
32	Hydrometer Vent-Mounted	Diperlukan 2 buah						
33	Thermometer Vent-Mounted	Diperlukan sebanyak jumlah battery yang diminta (±110 buah)						
34	Pengangkat Sel Portable (Lifting Truck)	Diperlukan 1 set						
35	Portable Charger smooth selector 2 - 12 Volt continous current 200 Ampere	Diperlukan 1 set						