

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

NO	SPESIFICATION REQUIREMENTS	NAMA VENDOR			KETERANGAN
		PT. X	PT. Y	PT. Z	
GENERAL					
2	Kesuaian Temperature.....	Temperatur (°C): 33	Min: 28	Max: 35	OK
3	Kesuaian Zona Gempa	Zona : 3			Not OK
4					NO DATA
APPROVAL STANDARDS					
6	Standard	ANSI / IEEE / IEC / JIS / DIN / VDE			
7					
8					
STATIONARY BATTERY SPECIFICATION					
9	Tipe Sel	CPzS	Positif: TUBULAR	Negatif: GRID	
10	Plate	Lead Alloying	200 Amperes	0.5 - 1 %	
11		Lead Alloying	200 Amperes	0.5 - 1 %	
12		Container	High Quality Transparent Electrolyte Proof Material (Acryl/Nitrile-Styrene)	Black Color container is NOT APPROVED	
13		Number of Poles Terminal	Positif: Min. 3 pcs	Negatif: Min. 3 pcs	
14		Electrolyte Specific Gravity (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	Tegangan Equalize (Boost) Cell : 2.25 V		
19	End Voltage per Cell (Battery Design)	Minimum 1,80 Volts	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	<p>Batre harus dapat memenuhi load karakteristik berikut:</p> <p>Current (Ampere)</p> <p>796</p> <p>641</p> <p>595</p> <p>496</p> <p>0 1 20 21 45 Time (minutes)</p>				
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 bush)			
34	Pengangkat Sel Portable (Lifting Truck)	Diperlukan 1 set			
35	Portable Charge smooth selector 2 - 12 Volt continuous current 200 Ampere	Diperlukan 1 set			