

المواصفات الفنية الخاصة بالمناقصة العامة

رقم المناقصة : (٢٠١١/٦٨)

الخاصة بشراء وتوريد (٢) مجموعتين بطاريات سعة

3000Ah

المؤسسة العامة للاتصالات السلكية واللاسلكية

الإدارة العامة للمشتريات والمخازن

إدارة المشتريات - قسم العقود والمناقصات

Technical SPECIFICATION FOR Batteries (1500-3000) AH lead acid cells(2011 المواصفات الخاصة بالمنافسة رقم)

This specification defines the requirements of the batteries lead acid cells for power source for telecommunication systems.

1.Batteries required:

1. The batteries requirement shall be lead acid battery system, high reliability, high quality standards, high rate discharge heavy duty industrial and high impact resistance.
2. Set consist of 24 cells with nominal voltage 48v/dc(each cell 2v and must be single)
3. Rated battery capacity each set =XXXXAH@C10 to 1.8Vpc.
4. Quality assurance requirement.
5. The tender should provide 5years full warranty period and country of origin, documentations.
- 6.

2.Autonomy Time:

7. Two parallel batteries group that composites an ampere-hours rating sufficient for emergency period xx hours at full rated output (must be specified).
8. Each comprises of 24 cells X 2V/CELL.

3.Guaranteed life of Batteries:

1. Guaranteed life is not less than 15years with a capacity drop down to not less than 80% under normal expected service.

4.Environment:

The batteries shall be designed and suitable for continuous operation at:

- | | |
|----------------|---------------|
| a) Temperature | 0 – 30 °c. |
| b) Humidity | up to 90. |
| c) Altitude | 2500 M a s l. |

5.Electrical:

- | | |
|---------------------------------|-------------------------------------|
| a) System rated | XXXXAH constant power for each set. |
| b) Nominal voltage | 2V/cell. |
| c) Minimum battery test voltage | 1.9V. |
| d) End of discharge voltage | 1.8v. |
| e) Storage voltage for each set | 52volt. |
| f) Floating voltage | (2.15-2.25)/cell@25 °c. |



Technical Specification for Battery		
description	PTC Specification	Tender Specifications
Name of Batteries and model NO		
Manufacture AND TYPE		
Country of origin	should be in delivery year	
Date OF Manufacture		
Recommended battery cells	24cell for each group	
Batteries rated	xxxxAH constant power	
Nominal voltage/cell	2V	
Floating voltage	2.2V/CELL	
Minimum battery test voltage	1.9V /CELL	
Battery low voltage warning alarm	46 .5V	
Battery low voltage cutoff	1.8 /CELL	
Battery high voltage alarm	56V and 2.3v/CELL	
Battery high voltage cutoff charge	57V	
Current @end of discharge End of discharge voltage A		
Battery ripple current A		
Battery frequency deep discharge		
Storage voltage for each set	52volt	
NO of Plates Negative and Positive		
Type of plates Negative and Positive(material made of)		
Intenal Ristance (mΩ)		
Spanalear type		
Type of Electrolyt		
Max Charge Current		
Max discharge Current		
ReCharge Voltage		
Equalization Voltage		
Min discharge Voltage		
Self discharge		
Efficiency @ 10h(Ah and WAH)		
Environment of Batteries		
Ambient temperature	0 TO 30 °c	
Remaining battery life(MIN)	15 years	
Humidity	up to 90 %	
MTBF		
Optimum battery temperature °c		
Altitude	2500M a.s.l	
Dimensions (H x W x L) mm		
Cell Weight KG		
Batteries run time at full load	...xxx..hours	

الرقم : _____
التاريخ : _____

المعايير الأساسية للبطاريات الجافة والسائلة

High Level Requirement

- 1) The batteries must be European technical, , heavy duty and high quality.
- 2) Sealed lead acid, and deep discharge cycles , C100 for 600Ah,800Ah.
- 3) Lead acid and deep discharge cycles , C10 for (1500Ah, 2000Ah,3000Ah).
- 4) Single cell with voltage (2V).
- 5) The life of the batteries must be design as a deep of discharge (DOD)@80% of capacity is 1500 cycles (minimum).
- 6) The manufacture company shall provide warranty of quality for expected life (15 Years minimum).
- 7) Operation temperature (5-45) °C (minimum).
- 8) The manufacture company must be give an answer table of every item of the specifications (item by item).





استمارة المواصفات الفنية والكميات لشراء وتوريد عدد 48 بطارية سائلة / مجموعتين سعة 3000Ah

الإجمالي	سعر الوحدة	الكمية المطلوبة	اسم الصنف	م
		2 Sets (48 Cell)	3000Ah / 2 VDC Lead Acid tubular/ C10 Battery/ Deep Cycling سائلت	1

Notes:

1- The Battery must be complete with inter:

- Connections ex: battery, rack, insulated flexible, cable, terminals, screws, connectors ... etc.
- Accessories: documents, operating insurrection, digital voltmeter, spanners, gloves, ... etc.

2- أن تكون البطاريات خالية من مادة الأسيدي وعلى أن يتم توفير مادة الأسيدي في عبوات مستقلة وبأحجام مناسبة لتسهيل النقل أثناء التركيب.

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