



التاريخ: 29/12/2016

الرقم:

تنويه

بخصوص عطاء رقم (2016/30)

توريد معدات واجهزة البث التلفزيوني الرقمي الارضي

لصالح الهيئة العامة للاذاعة والتلفزيون

بالإشارة الى الموضوع أعلاه، وبناءً على طلب الهيئة العامة للاذاعة والتلفزيون فقد تم تعديل بعض المواصفات الخاصة بـ (Lot4) كما هو مبين ادناه، وعليه يرجى اخذ ذلك بعين

الاعتبار :-

Technical part of tower tender to be constructed in Bezzaria .

1- Tower specification:

- The tower is 60 m height
- Self- support SSV
- Tower sections:
- Tower contains the following items:
 - Anchor bolt assembly, including bolts and templates
 - Inside Mounted Climbing ladder
 - Safety Climbing Device with full body harness
 - Waveguide Support Ladder(s)
 - Lightning/grounding system including
 - 3 □ 5/8 inch x 8 ft galvanized steel ground rod
 - Galvanized tower attachment lug w/hardware
 - Galvanized rod clamp
 - 10 ft of #4 tinned solid copper wire
 - 1 – copper clad lightning rods with 2/0 copper down lead
 - 120 mm2 Flex Earth Cable and conduit for installation on the tower.

Lighting kit per ICAO specification complete with:

- One(1) 300 mm flashing beacon at the top
- Three(3) OB1 single obstruction lights at midlevel
- Flashers – flashing rate of approximately 30 per minute
- Photoelectric lighting controls
- All necessary wiring and conduit for installation on the tower.



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2- Terms & Conditions:

- The tower is triangular in plan, with pipe legs and angle braces.
- Designed per ANSI TIA/EIA 222 F 1996 for a 90 mph basic wind speed.
- Bottom Spread not exceeds 24ft.
- Top Spread not exceeds 4ft.
- The minimum yield strength of structural steel parts shall be 345 MPa.
- All material is hot dip galvanized inside and out after fabrication in accordance of ASTM 123, minimum thickness of 75 microns.
- Structural bolts shall conform to ISO 8.8 or ASTM A 325.
- Pal nuts and locking washers shall be provided to all tower bolts.
- Tower Top Part shall be straight, 30 ft.
- Tower Painting shall be "No Prime" water base tower paint, white and orange per ICAO or FAA Specifications (Federal Standard No. 595 Colours , 12197 and 17875

3- Tower Surge Arrestor:

- Surge Arrestor Rod, Pulsar 90.
- Earth Cable, 120mm² and 100m length.

4- Grounding Kit

- Earth Hole, 3m*3m and 3m depth
- Copper Plates; Qty 4
- Spike Rods; Qty 6
- Copper jumpering cables, 5m length; Qty 6
- Cables Shoes; Qty 12
- Galvanized BUS, 30m length; Qty 3
- Briquette, 50kg pocket; Qty 10
- Sault, 25kg pocket; Qty 10
- Earth Cable, 95mm² and 100m length; Qty 1.

5- Site Preparation & Foundation

- Soil test
- Digging and excavation according the foundation Plan.
- Base Engineering Design
- Base Engineering supervisor
- Tower base concrete and steel reinforcing according the foundation Plan and structural drawings.
- All concrete work in substructure shall be mixed with sulphate resistant cement.
- All concrete and block work below ground level shall be coated from all sides and top with two coats of an approved water proof asphalt.
- All beach sand must be screened and washed before using it for concrete or plaster work.



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- No splices are allowed in main reinforcement and welding is not allowed.
- Beams bent up reinforcement have to be bent at 1/5 of the span and extend to 1/4 of the longer adjacent span.
- The top reinforcement in beams with no bent bars should be extended 1/3 of the longer adjacent span.
- All concrete work has to be cured by permanently wet hessian sheets for not less than 4 days.
- Concrete shall be (ready mix) and B□350.

6- Tower Loads:

- Antennas for DVB-T2 4 panels each side(4x3 antennas)
- 4 Vertical Dipoles Omni directional FM Broadcast Antennas at elevation 190 ft.
- 4 Vertical Dipoles Omni directional FM Broadcast Antennas at elevation 160 ft
- two 4ft solid dish, at elevation 150ft
- two 6ft solid dish at elevation 130ft
- two 4ft solid dish at elevation 100ft

Additional like an

وتفضلوا بقبول الاحترام ،،،

المكلف بمهام مدير عام اللوازم العامة

رئيس لجنة العطاءات المركزية

