

**1. ACCESS TO THE TERMINAL – COLLECTION/DELIVERIES/MEETINGS**

- a. Contact the buyer at least one (1) workday before site briefing day to arrange gate access and induction.
- b. Email the buyer the names, surnames and ID/passport numbers of all personnel that will need site access.
- c. Email the vehicle registration number of the vehicle and state which personnel will be in the vehicle.
- d. All personnel must wear a reflective jacket and safety boots.
- e. All vehicles must have a flashing/revolving warning light mounted to the roof.
- f. On arrival, report to the Security Control Offices (ground floor of the multi-story car park, across from the clinic). The Security Supervisor will contact the SHEQ representative to assist with induction. The Security Supervisor will indicate where the induction will be performed.
- g. All personnel must bring a copy of their ID and a pen to the induction

## **2. SCOPE OF WORK:**

- 2.1 Isolate mast from supply incomer cable at pole base (make safe).
- 2.2 Remove and lower mast with 30-ton crane.
- 2.3 Old mast to be cut and disposed on dedicated metal skip.
- 2.4 New pole to be supplied by Transnet Port Terminals.
- 2.5 Mast to be supported on suitable trestle not obstructing the operation (service provider shall supply its own trestles).
- 2.6 Remove headgear and ring.
- 2.7 Remove all internal cables.
- 2.8 Renew 5-core trailing cable with male connector at either end.
- 2.9 Check all pulleys/rollers in good order, grease all lubrication points / changes bushes on pulleys.
- 2.10 Replace all worn damaged parts.
- 2.11 Paint top cover and ensure integrity of lightning arrestor.
- 2.12 De-rust and clean pole with sigma GP liquid cleaner and prime pole with sigma cover 280 yellow /green primer one coat then paint pole with Sigmadur 550.
- 2.13 Sigmadur 550 to be enhanced with luminous paint properties (glow in the dark).
- 2.14 Finishing coat -gel coat that complies to sans 1749, uniform thickness between 250 & 500 microns, weatherproof, uv resistant, flame-resistant & impact-strong surface.
- 2.15 Treat with approved undercoating.
- 2.16 Paint grey and yellow as per surrounding poles (Golden yellow and French grey as well as the light bracket and cover two coats of paint).
- 2.17 Paint black stencilled number on pole door.
- 2.18 Re-wire ring (2.5 mm silicon wire), install new splitter/weatherproof box with female connector mounted on for supply.
- 2.19 Reinstall ring
- 2.20 Remove all the existing lights and gear (1000w lamps, ballasts, capacitors etc.) and replace with new 10 x LED 500w lights.

- 2.21 Scrap of removed materials to disposed at Transnet Port Terminals.
- 2.22 Ensure luminar glasses are clean and sealed.
- 2.23 Copper-slip all bolts & screws on ring & headgear (replace any rusted).
- 2.24 Reinstall headgear.
- 2.25 Renew cables 8mm s/steel flex stranded grade 316 – Thimble end to use copper ferrules to ensure steel cables do not overlap or cross within pole.
- 2.26 Torque luminar ring in docked position at 20NM.
- 2.27 Mast to be reinstall into position.
- 2.28 Male plug must fit into female plug on junction box without obstructions.
- 2.29 Canopy must be diagonal with pole door.
- 2.30 After pole is erected, headgear and ring must be lowered and redocked to test the operation on the pole by means of high mast pole gear. This exercise must be done in a presence of Technical Supervisor/Manager of Transnet Port Terminals.
- 2.31 Base bolts to be torqued and copper slip applied (all bolts to be examined and if necessary, replaced).
- 2.32 Dock mast correctly and be torqued.
- 2.33 Replace distribution board complete, to match surrounding pole distribution boards.
- 2.34 Re-instate earthing of pole (incomer to pole and to pole distribution board).
- 2.35 Reconnect & test mast for satisfactory working.
- 2.36 30-ton mobile crane required for process.
- 2.37 Vendor to sign RMD log sheet and provide certification of all steel wire ropes and shackles.
- 2.38 Vendor responsible to ensure work process & personnel concerned adhere to all Transnet safety regulations & Procedures.
- 2.39 Vendor to ensure the integrity of work area not Compromised.
- 2.40 Contractor safety file is compulsory.

**3. MATERIAL LIST** (not limited to the list below):

- 3.1 Light fittings
- 3.2 Steel wire ropes
- 3.3 Pin rollers
- 3.4 Pulleys
- 3.5 Junction boxes
- 3.6 Distribution boards
- 3.7 Cables
- 3.8 Paint
- 3.9 Primer
- 3.10 Bolts and nuts

**4. GENERAL REQUIREMENTS:**

- 4.1 Only contractors that can demonstrate sufficient recent experience in high mast refurbishment and repairs shall be considered.
  - a. The contractor must provide sufficient information and references with their response to enable Transnet Port Terminals to determine their level of experience.
  - b. Reference lists shall include contact details, addresses, as well as contact persons who may be contacted/visited for inspection of the equipment during the adjudication period.
  - c. Transnet Port Terminals will not consider any contractors' offer that, in the sole opinion of Transnet Port Terminals, does not have adequate experience and/or adequate equipment to ensure quality of their high mast refurbishment and repair work.
- 4.2 A warranty period of 12 months is required for the workmanship and repairs carried out.

4.3 Comply to the below technical evaluation criteria:

<b>Technical Evaluation Scorecard for Highmast #285 Accident Repair</b>				
<b>Full description of the works to be done/service to be rendered</b>				
<b>Evaluation Criteria</b>	<b>Description</b>	<b>Scoring principal</b>	<b>Criteria</b>	<b>Weighting</b>
<b>Eligibility</b>	Contractors to be registered with the Construction Industry Development Board (CIDB) as an Electrical Contractor and be able to handle contracts that are grade 2EB and above.	Yes/No	Submission of CIBD certification	NA
	Contractors to be registered with the Department of Labour (DoL) as an Electrical Contractor.	Yes/No	Submission of DoL certification	NA
<b>Technical &amp; Operational</b>	Compliance to scope of work	Compliant = 10 points Not compliant = 0 points	Submission of confirmation letter on a company letter head	10
	Warranty period of the workmanship	>= 12 months = 10 points >= 9 months but < 12 months = 5 points >= 6 months but < 9 months = 2.5 points >= 3 months but < 6 months = 0 points	Submission of confirmation letter on a company letter head	10
	Submission of staff qualifications relevant to the works (Red seal Electrical Trade test, Wireman's License Certificate, Rigging Competency Certificate, Structural Engineer Qualification, and Painter Qualification)	Red seal Electrical Trade test, Wireman's License Certificate, Rigging Competency Certificate, Structural Engineer Qualification, and Painter Qualification = 35 points If one or more qualifications are not submitted = 0 points	Submission of certification	35
	<b>Sub-total</b>			<b>55</b>
<b>Track Record</b>	Number of similar projects/works done in the last 2 years	>= 10 projects = 35 points >= 8 projects but < 10 projects = 24 points >= 6 projects but < 8 projects = 18 points >= 4 projects but < 6 projects = 12 points >= 2 projects but < 4 projects = 9 points < 2 projects = 0 points	Provide purchase orders documents (from customer's original documents) of similar projects/works completed.	35
	<b>Sub-total</b>			<b>35</b>
<b>Response time</b>	Response time for a call-out (Letter stating the stating time)	<= 180 minutes = 10 points > 210 minutes <= 180 minutes = 8 points > 240 minutes but <= 210 minutes = 6 points > 270 minutes but <= 240 = 4 points > 240 minutes = 0 points	Lead time in minutes	10
	<b>Sub total</b>			<b>10</b>
<b>TOTAL RATING</b>				<b>100</b>
<b>TECHNICAL QUALIFICATION THRESHOLD = 80%</b>				

