

Date: 07/5/2013

REQUEST FOR QUOTE

Nº PRO-12-0374-1

Manufacturer: ELEKTROLITES (POWER) PVT. LTD.
Contact: GHATA SHARMA
Client: PIPING INDUSTRIAL S.A.C.
Project: SE DE MANIOBRA Y SE NUEVA OLMOS
Our Reference: 0209-ETT-1

Item	Quantity	Product description														
1	12	<p>Surge Arrester-220kV Include one surge counter per phase. Additional Data: Ur=220kV MCOV:160KV Nominal voltage for the arrester:198kV System Highest voltage: 242KV</p> <p>Required Insulating levels for porcelain Insulators: -460KV(For Power Frequency Withstand voltage) -1050kVp(For BIL)</p> <table><tr><td>Rated Voltage</td><td>220 kV</td></tr><tr><td>Nominal Discharge Current</td><td>20 kAp</td></tr><tr><td>Class</td><td>4</td></tr><tr><td>BIL</td><td>1050 kVp</td></tr><tr><td>Power Frequency Withstand</td><td>460 kV</td></tr><tr><td>Creepage Distance</td><td>31 mm/Kv</td></tr><tr><td>Frequency</td><td>60 Hz</td></tr></table>	Rated Voltage	220 kV	Nominal Discharge Current	20 kAp	Class	4	BIL	1050 kVp	Power Frequency Withstand	460 kV	Creepage Distance	31 mm/Kv	Frequency	60 Hz
Rated Voltage	220 kV															
Nominal Discharge Current	20 kAp															
Class	4															
BIL	1050 kVp															
Power Frequency Withstand	460 kV															
Creepage Distance	31 mm/Kv															
Frequency	60 Hz															
2	3	<p>Surge arrester-60kV Include one surge counter per phase. Additional Data: Ur=60kV MCOV:48kV Nominal voltage for the arrester:60kV System Highest voltage: 72.5kV</p> <p>Required Insulating levels for porcelain Insulators: -140KV(For Power Frequency Withstand voltage) -325kVp(For BIL)</p> <table><tr><td>Rated Voltage</td><td>60 kV</td></tr><tr><td>Nominal Discharge Current</td><td>10 kAp</td></tr><tr><td>Class</td><td>3</td></tr><tr><td>BIL</td><td>325 kVp</td></tr><tr><td>Power Frequency Withstand</td><td>140 kV</td></tr><tr><td>Creepage Distance</td><td>31 mm/kV</td></tr><tr><td>Frequency</td><td>60 Hz</td></tr></table>	Rated Voltage	60 kV	Nominal Discharge Current	10 kAp	Class	3	BIL	325 kVp	Power Frequency Withstand	140 kV	Creepage Distance	31 mm/kV	Frequency	60 Hz
Rated Voltage	60 kV															
Nominal Discharge Current	10 kAp															
Class	3															
BIL	325 kVp															
Power Frequency Withstand	140 kV															
Creepage Distance	31 mm/kV															
Frequency	60 Hz															

3	3	<p>Surge Arrester-22.9kV</p> <p>Include one surge counter per phase.</p> <p>Additional Data:</p> <p>Ur=22.9kV</p> <p>MCOV:17</p> <p>Nominal voltage for the arrester:21kV</p> <p>System Highest voltage: 24</p> <p>Required Insulating levels for porcelain Insulators:</p> <p>-50KV(For Power Frequency Withstand voltage)</p> <p>-125kVp(For BIL)</p> <table><tr><td>Rated Voltage</td><td>22.9 kV</td></tr><tr><td>Nominal Discharge Current</td><td>10 kAp</td></tr><tr><td>Class</td><td>2</td></tr><tr><td>BIL</td><td>125 kVp</td></tr><tr><td>Power Frequency Withstand</td><td>50 kV</td></tr><tr><td>Creepage Distance</td><td>31 mm/kV</td></tr><tr><td>Frequency</td><td>60 Hz</td></tr></table>	Rated Voltage	22.9 kV	Nominal Discharge Current	10 kAp	Class	2	BIL	125 kVp	Power Frequency Withstand	50 kV	Creepage Distance	31 mm/kV	Frequency	60 Hz
Rated Voltage	22.9 kV															
Nominal Discharge Current	10 kAp															
Class	2															
BIL	125 kVp															
Power Frequency Withstand	50 kV															
Creepage Distance	31 mm/kV															
Frequency	60 Hz															