



**BANGLADESH PETROLEUM EXPLORATION &  
PRODUCTION CO. LTD.**



**CONSORTIUM OF  
SINOPEC PETROLEUM ENGINEERING CORPORATION.  
AND  
ZICOM EQUIPMENT PTE. LTD.**



29 Tuas Avenue 3 Singapore 639420  
E-mail : zepi@zicomgroup.com

Tel : +65 6865 1765  
Fax : +65 6865 1764

## ELECTRICAL DATA SHEET

Doc. No: 240-0301-EMEL-DS00-0005

Job No. : 240

Client : BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD.

Location : SRIKAIL GAS FIELD, BANGLADESH




Item No. : -




Description : LIGHTING SYSTEM

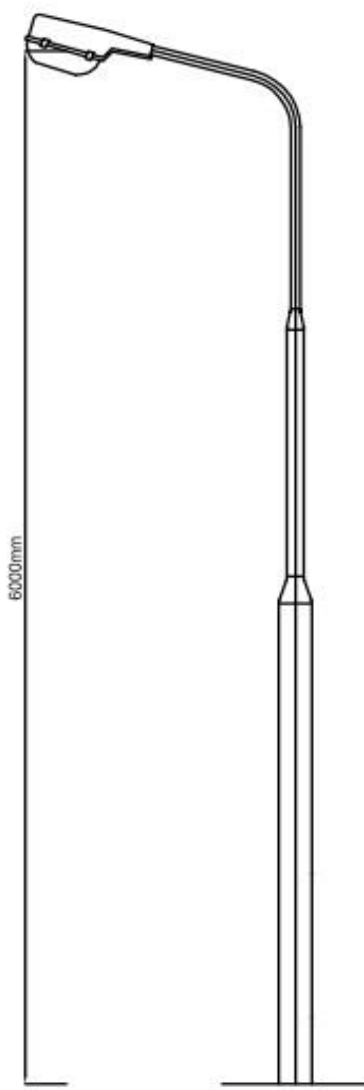
Project Title. : 60 MMSCFD GLYCOL DEHYDRATION TYPE GAS PROCESS PLANT

Year Built : 2015

A	12-May-15	8	ISSUED FOR APPROVAL	AS	MH	VG
Rev.	Date	Page	Description of Revision	Prepared	Checked	Approved




 <div>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</div>		ELECTRICAL DATASHEET	 <div>ZICOM</div>	CONSORTIUM OF SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZICOM EQUIPMENT PTE. LTD.		
USER LOCATION PROJECT JOB NO.		BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD. SRIKAIL GAS FIELD, BANGLADESH 60 MMSCFD GLYCOL DEHYDRATION TYPE GAS PROCESS PLANT 240		DOC NO. SERVICE TAG NO. QUANTITY	240-0301-EMEL-DS00-0005 REV : A Plant Light 02-L-0101, 02-L-0102, 02-L-0103 3 Sets	
GENERAL	1	Name	Telescopic Light			
	2	Tag No.	02-L-0101, 02-L-0102, 02-L-0103			
	3	Quantity	3 sets. (3 light per tower)			
	4	Service	Plant Light			
	5	Installation Location	Outdoor			
	6	Cable	PVC Insulation			
	7	Type of Lamp	Sodium Vapor Lamp			
RATED	8	Input Voltage	230 VAC			
	9	Frequency	50 Hz			
	10	Phase	Single Phase			
	11	Power	3 numbers 400 Watt Explosion proof sodium light assembly at top			
STRUCTURE	12	Mast Operation	Pneumatic			
	13	Mounting Type	Pole			
	14	Light Pole Height	15 meter			
	15	Light Pole Shape	<input type="checkbox"/> Circle taper rod <input type="checkbox"/> Polygon taper rod <input checked="" type="checkbox"/> TA			
	16	Angle Between Lamps (Deg)	<input type="checkbox"/> 30 <input type="checkbox"/> 90 <input checked="" type="checkbox"/> 120			
	17	Refractor	Yes			
	18	Degree of Explotion-Proof	Exd IIB T4			
	19	Degree of Protection	IP65			
OTHERS	20	Dimension	VTA			
	21	Weight	VTA			
	22	Manufacturer for Light Shed	USA/EU(GE, ABB, Legrand, Siemens, Philips)			
	23	Junction box	Explosion Proof, 4way			
	24	Anchoring Bolt	Yes			
	25	Gland	VTA			

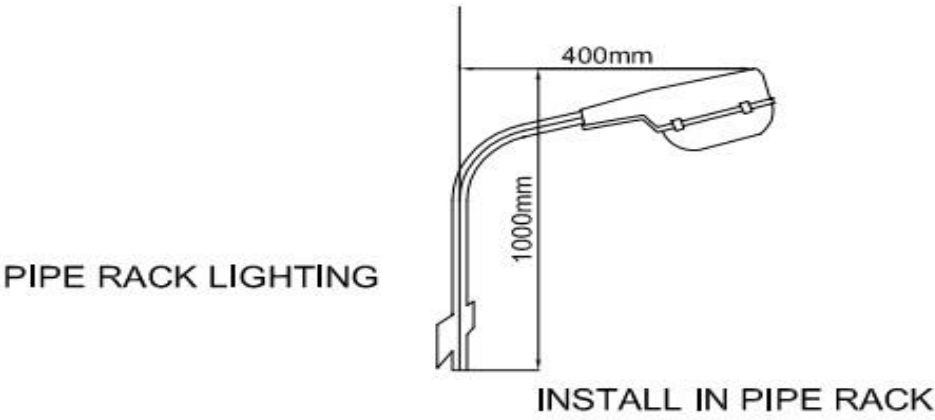
<div></div> <div>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</div>		ELECTRICAL DATASHEET	<div></div> <div>CONSORTIUM OF SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZICOM EQUIPMENT PTE. LTD.</div>		<div></div>
USER LOCATION PROJECT JOB NO.		BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD. SRIKAIL GAS FIELD, BANGLADESH 60 MMSCFD GLYCOL DEHYDRATION TYPE GAS PROCESS PLANT 240		DOC NO. SERVICE TAG NO. QUANTITY	240-0301-EMEL-DS00-0005 REV : A Lighting Street 02-L-0104/0105/0106/0107/0108/0109 6 Sets
GENERAL	1	Name	Street Light		
	2	Tag No.	02-L-0104, 02-L-0105, 02-L-0106, 02-L-0107, 02-L-0108, 02-L-0109		
	3	Quantity	6 Sets		
	4	Service	Lighting Street		
	5	Installation Location (Zone)	Outdoor		
	6	Cable	PVC Insulation		
	7	Type of Lamp	Sodium Vapor Lamp		
RATED	8	Input Voltage	230 VAC		
	9	Frequency	50 Hz		
	10	Phase	Single Phase		
	11	Power	150W		
STRUCTURE	12	Housing	VTA		
	13	Mounting Type	Pole		
	14	Light Pole Height	6 meter		
	15	Lamp Pole	<input checked="" type="checkbox"/> Single Arm <input type="checkbox"/> Double Arm		
	16	Refractor	Yes		
	17	Degree of Explotion-Proof	Exd IIB T4		
	18	Degree of Protection	IP65		
OTHERS	19	Dimension	VTA		
	20	Weight	VTA		
	21	Manufacturer for Light Shed	USA/EU(GE, ABB, Legrand, Siemens, Philips)		
	22	Junction box	Explosion Proof, 4way		
	23	Anchoring Bolt	Yes		
	24	Gland	VTA		






6000mm

STREET LIGHT

 <b>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</b>		<b>ELECTRICAL DATASHEET</b>		<b>CONSORTIUM OF SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZICOM EQUIPMENT PTE. LTD.</b>	
<b>USER</b> <b>LOCATION</b> <b>PROJECT</b> <b>JOB NO.</b>		<b>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</b> <b>SRIKAIL GAS FIELD, BANGLADESH</b> <b>60 MMSCFD GLYCOL DEHYDRATION TYPE GAS PROCESS PLANT</b> <b>240</b>		<b>DOC NO.</b> <b>SERVICE</b> <b>TAG NO.</b> <b>QUANTITY</b>	<b>240-0301-EMEL-DS00-0005 REV : A</b> <b>Pipe Rack Lighting</b> <b>Mentioned Below</b> <b>16 Nos.</b>
<b>GENERAL</b>	1	Name	Pipe Rack Light		
	2	Tag No.	02-L-0110, 02-L-0111, 02-L-0112, 02-L-0113, 02-L-0114, 02-L-0115, 02-L-0116, 02-L-0117, 02-L-0118, 02-L-0119, 02-L-0120, 02-L-0121 + 4 Nos. Spare		
	3	Quantity	16 Nos.		
	4	Service	Pipe Rack Lighting		
	5	Installation Location (Zone)	Zone 2		
	6	Cable	PVC Insulation		
	7	Type of Lamp	Sodium Vapor Lamp		
<b>RATED</b>	8	Input Voltage	230 VAC		
	9	Frequency	50 Hz		
	10	Phase	Single Phase		
	11	Power	100W		
<b>STRUCTURE</b>	12	Housing	VTA		
	13	Mounting Type	Pole		
	15	Lamp Pole	<input checked="" type="checkbox"/> Single Arm <input type="checkbox"/> Double Arm		
	16	Reflector	Yes		
	17	Degree of Explotion-Proof	Exd IIB T4		
	18	Degree of Protection	IP65		
<b>OTHERS</b>	19	Dimension	VTA		
	20	Weight	VTA		
	21	Manufacturer for Light Shed	USA/EU(GE, ABB, Legrand, Siemens, Philips)		
	22	Junction box	Explosion Proof, 4way		
	23	Gland	VTA		



 <b>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</b>		<b>ELECTRICAL DATASHEET</b>		<b>CONSORTIUM OF SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZICOM EQUIPMENT PTE. LTD.</b>	
<b>USER</b> <b>LOCATION</b> <b>PROJECT</b> <b>JOB NO.</b>		<b>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</b> <b>SRIKAIL GAS FIELD, BANGLADESH</b> <b>60 MMSCFD GLYCOL DEHYDRATION TYPE GAS PROCESS PLANT</b> <b>240</b>		<b>DOC NO.</b> <b>SERVICE</b> <b>TAG NO.</b> <b>QUANTITY</b>	<b>240-0301-EMEL-DS00-0005 REV : A</b> <b>Exit Light</b> <b>N/A</b> <b>9 Nos.</b>
<b>GENERAL</b>	1	Name	Exit Light		
	2	Tag No.	N/A		
	3	Quantity	9 Nos.		
	4	Service	Exit Door		
	5	Installation Location (Zone)	Indoor		
	6	Cable	PVC Insulation		
	7	Type of Lamp	VTA		
<b>RATED</b>	8	Input Voltage	230 VAC		
	9	Frequency	50 Hz		
	10	Phase	Single Phase		
	11	Power	VTA		
<b>STRUCTURE</b>	11	Back up Battery	Yes		
	12	Housing	VTA		
	13	Mounting Type	Wall mounted		
<b>OTHERS</b>	16	Refractor	Yes		
	17	Dimension	VTA		
	18	Weight	VTA		
	19	Manufacturer	Reputed		
	20	Gland	VTA		






Exit Light

 <b>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</b>		<b>ELECTRICAL DATASHEET</b>		<b>CONSORTIUM OF SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZICOM EQUIPMENT PTE. LTD.</b>	
<b>USER</b> <b>LOCATION</b> <b>PROJECT</b> <b>JOB NO.</b>		<b>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</b> <b>SRIKAIL GAS FIELD, BANGLADESH</b> <b>60 MMSCFD GLYCOL DEHYDRATION TYPE GAS PROCESS PLANT</b> <b>240</b>		<b>DOC NO.</b> <b>SERVICE</b> <b>TAG NO.</b> <b>QUANTITY</b>	<b>240-0301-EMEL-DS00-0005 REV : A</b> <b>Emergency Lighting</b> <b>N/A</b> <b>13 Nos.</b>
<b>GENERAL</b>	1	Name	Emergency Light		
	2	Tag No.	N/A		
	3	Quantity	13 Nos.		
	4	Service	Emergency Lighting		
	5	Installation Location (Zone)	Indoor		
	6	Installation Mode	Wall Hanging		
	7	Type of Lamp	Rechargeable Emergency Light		
	8	Emergency Time	5-6 Hours		
<b>RATED</b>	9	Input Voltage	230 VAC		
	10	Frequency	50 Hz		
	11	Phase	Single Phase		
	12	Power	VTA		
	13	Back up Battery	Yes		
	14	Battery	Lead Acid		
	15	Capacity	VTA		
<b>STRUCTURE</b>	16	Housing	VTA		
	17	Mounting Type	Wall mounted		
	18	Refractor	Yes		
<b>OTHERS</b>	19	Dimension	VTA		
	20	Weight	VTA		
	21	Manufacturer	Reputed		
	22	Gland	VTA		






Rechargeable Emergency Light

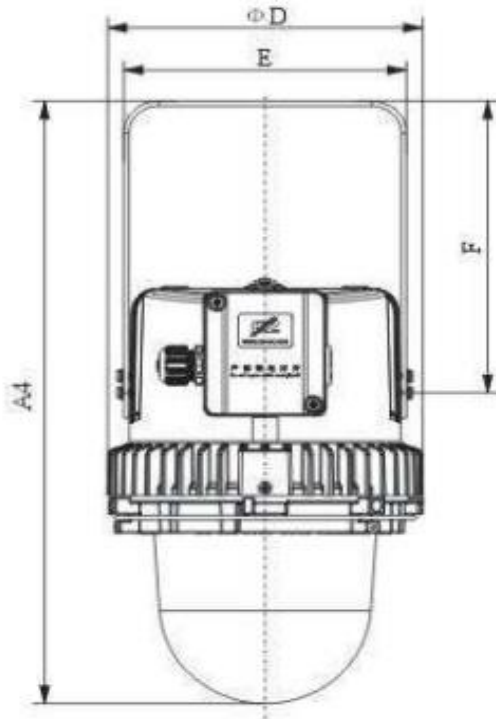
 <b>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</b>		<b>ELECTRICAL DATASHEET</b>		<b>CONSORTIUM OF SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZICOM EQUIPMENT PTE. LTD.</b>	
USER LOCATION PROJECT JOB NO.	BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD. SRIKAIL GAS FIELD, BANGLADESH 60 MMSCFD GLYCOL DEHYDRATION TYPE GAS PROCESS PLANT 240			DOC NO. SERVICE TAG NO. QUANTITY	240-0301-EMEL-DS00-0005 REV : A Shed Lighting for Loading Arm Mentioned Below 10 Nos.
GENERAL	1	Name	Shed Light		
	2	Tag	02-L-0122, 02-L-0123, 02-L-0124, 02-L-0127, 02-L-0128 + 5 Nos. Spare		
	3	Quantity	10 Nos.		
	4	Service	Shed Lighting for Loading arm		
	5	Installation Location (Zone)	Zone 2		
	6	Cable	PVC Insulation		
	7	Type of Lamp	Fluorescent Tube		
	8	No. of Lamp each shed	2 (Two)		
RATED	9	Input Voltage	230 VAC		
	10	Frequency	50 Hz		
	11	Phase	Single Phase		
	12	Lamp Power	2 x 18 Watt		
STRUCTURE	13	Housing	VTA		
	14	Mounting Type	Wall Mounted		
	15	Refractor	Yes		
	16	Degree of Explotion-Proof	Exd IIB T4		
	17	Degree of Protection	IP65		
OTHERS	18	Dimension	VTA		
	19	Weight	VTA		
	20	Manufacturer	Reputed		
	21	Junction box	Explosion Proof, 4way		
	22	Gland	VTA		



Shed Light



 <b>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</b>		<b>ELECTRICAL DATASHEET</b>		<b>CONSORTIUM OF SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZICOM EQUIPMENT PTE. LTD.</b>	
<b>USER</b> <b>LOCATION</b> <b>PROJECT</b> <b>JOB NO.</b>		<b>BANGLADESH PETROLEUM EXPLORATION &amp; PRODUCTION CO. LTD.</b> <b>SRIKAIL GAS FIELD, BANGLADESH</b> <b>60 MMSCFD GLYCOL DEHYDRATION TYPE GAS PROCESS PLANT</b> <b>240</b>		<b>DOC NO.</b> <b>SERVICE</b> <b>TAG NO.</b> <b>QUANTITY</b>	<b>240-0301-EMEL-DS00-0005 REV : A</b> <b>Shed Lighting for Loading Arm</b> <b>Mentioned Below</b> <b>2 Nos.</b>
<b>GENERAL</b>	1	Name	Shed Light (Loading Arm)		
	2	Tag	02-L-0125, 02-L-0126		
	3	Quantity	2 Nos.		
	4	Service	Shed Lighting for Loading Arm		
	5	Installation Location (Zone)	Zone 2		
	6	Cable	PVC Insulation		
	7	Type of Lamp	Sodium Vapor Lamp		
<b>RATED</b>	8	Input Voltage	230 VAC		
	9	Frequency	50 Hz		
	10	Phase	Single Phase		
	11	Power	200W		
<b>STRUCTURE</b>	12	Housing	VTA		
	13	Mounting Type	Bracket Mounted		
	16	Refractor	Yes		
	17	Degree of Explotion-Proof	Exd IIB T4		
	18	Degree of Protection	IP65		
<b>OTHERS</b>	19	Dimension	VTA		
	20	Weight	VTA		
	21	Manufacturer for Light Shed	USA/EU(GE, ABB, Legrand, Siemens, Philips)		
	22	Junction box	Explosion Proof, 4way		
	23	Gland	VTA		



Shed Light for Loading Arm