

CLIENT :GMDC, AKRIMOTA,
 CONTRACTOR :UNITECH MACHINES LTD,NEW DELHI,
 PROJECT :FIRE PROTECTION SYSTEM AT 2*128MW TPS,UNIT 1&2.

| Sr. No. | DRG. NO. | Area Covered | Location | Quantity as per | | | | | | | | | | |
|------------------------------|----------------|--------------------------------------|-------------------------|-----------------|----|----|-----|----|----|-----|-----|----|----|--|
| | | | | IS | PS | HD | MCP | EH | IM | CC1 | CT1 | RI | IR | |
| FAP # 1 DEVICE DETAIL | | | | | | | | | | | | | | |
| LOOP-1 | | | | 42 | 58 | 4 | 13 | 10 | 6 | 2 | 0 | 38 | | |
| 1 | P-120-A-512-R2 | Main Control Room | | 1 | 1 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | | |
| 2 | P-120-A-512-R2 | AHU Room + Ballon & B/C Room | Main Bld.-EL.-17.5 MTR. | | | | | | | | | | | |
| LOOP-2 | | | | 23 | 23 | 0 | 3 | 3 | 2 | 1 | 11 | 0 | | |
| 3 | P-120-A-505-R1 | Cable Gallery (3 rows) | AT EL. 8.00 MTR. | | | | | | | | | | | |
| 4 | P-120-A-507-R1 | Switchgear Panels (2 rows) | AT EL. 3.50 MTR. | 20 | 20 | 0 | 3 | 3 | 2 | 1 | 9 | 0 | | |
| LOOP-3 | | | | 20 | 20 | 0 | 3 | 3 | 2 | 1 | 9 | 0 | | |
| 5 | P-120-A-505-R1 | Cable Gallery (3 rows) | AT EL. 0.00 MTR. | 0 | 8 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | | |
| 6 | P-120-A-509-R1 | Clean & Dirty Oil Tank Room | AT EL. 0.00 MTR. | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | | |
| 7 | P-120-A-508-R1 | Air Compressor House | AT EL. 0.00 MTR. | 14 | 10 | 3 | 4 | 5 | 1 | 1 | 0 | 6 | | |
| 8 | P-120-A-511-R1 | Switchyard Control Room | AT EL. 0.00 MTR. | 7 | 8 | 0 | 4 | 2 | 0 | 1 | 0 | 0 | | |
| 9 | P-120-A-514-R1 | ACW Pump House | AT EL. 0.00 MTR. | | | | | | | | | | | |
| LOOP-4 | | | | 18 | 18 | 0 | 3 | 1 | 0 | 1 | 0 | 18 | | |
| 10 | P-120-A-504-R1 | Service Building | AT EL. 12.0 MTR. | 19 | 16 | 0 | 3 | 1 | 0 | 1 | 0 | 19 | | |
| 11 | P-120-A-504-R1 | Service Building | AT EL. 8.00 MTR. | | | | | | | | | | | |
| LOOP-5 | | | | 24 | 24 | 0 | 3 | 1 | 0 | 1 | 0 | 24 | | |
| 12 | P-120-A-504-R1 | Service Building | AT EL. 4.00 MTR. | 14 | 13 | 0 | 3 | 1 | 0 | 1 | 0 | 13 | | |
| 13 | P-120-A-504-R1 | Service Building | AT EL. 0.00 MTR. | 3 | 3 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | | |
| 14 | P-120-A-516-R1 | DG Set Control room | AT EL. 0.00 MTR. | | | | | | | | | | | |
| LOOP-6 | | | | 15 | 12 | 0 | 3 | 1 | 2 | 1 | 0 | 0 | | |
| 15 | P-120-A-517-R1 | Sea Water Treatment Plant | AT EL. 0.00 MTR. | 0 | 0 | 9 | 1 | 1 | 0 | 1 | 0 | 0 | | |
| 16 | P-120-A-521-R1 | Chemical House | AT EL. 0.00 MTR. | | | | | | | | | | | |
| LOOP-7 | | | | 6 | 3 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | | |
| 17 | P-120-A-523-R1 | Circulating Sea Water System | AT EL. 0.00 MTR. | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | | |
| 18 | P-120-A-524-R1 | Reject Water Pump House | AT EL. 0.00 MTR. | 3 | 3 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | | |
| 19 | P-120-A-525-R1 | Sea Water Intake Pump House | AT EL. 0.00 MTR. | | | | | | | | | | | |
| LOOP-8 | | | | 36 | 32 | 0 | 8 | 8 | 2 | 4 | 0 | 0 | | |
| 1 | P-120-A-515 | PARMANENT STORE | AT EL. 0.00 MTR. | 2 | 2 | | 2 | 1 | | 1 | | | | |
| 1 | P-120-A-529 R2 | Workshop Bulding Shift Incharge Room | AT EL. 0.0 MTR. | | | | | | | | | | | |

| Sr. No. | DRG. NO. | Area Covered | Location | Quantity as per | | | | | | | | | |
|------------------------------|----------------|---|---|-----------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|----|
| | | | | IS | PS | HD | MCP | EH | IM | CC1 | CT1 | RI | IR |
| FAP # 2 DEVICE DETAIL | | | | | | | | | | | | | |
| LOOP-1 | | | | | | | | | | | | | |
| 1 | P-120-A-527 R1 | ESP Control Room- Unit # 1 | AT EL. 0.0 MTR. | 10 | 10 | 0 | 2 | 1 | 0 | 1 | 0 | 6 | |
| 2 | P-120-A-528 R0 | Lime Milling Plant Control Room | AT EL. 0.0 MTR. | 2 | 3 | | 1 | 1 | | 1 | | 2 | |
| 3 | P-120-A-531 R0 | Ash Plant Mechanical Exhauster Room- MCC Room | | 8 | 6 | | 3 | 2 | | 1 | | 2 | |
| 4 | P-120-A-527 R1 | ESP Control Room- Unit # 2 | | 10 | 10 | 0 | 2 | 1 | 0 | 1 | 0 | 6 | |
| 5 | P-120-A-503 R1 | Fuel Oil Pump House | | 2 | 14 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | |
| LOOP-2 | | | | | | | | | | | | | |
| 1 | P-120-A-530 R1 | Material Handling Plant | | | | | | | | | | | |
| a. | | Switchgear Room | AT EL. 11.05 MTR. | 33 | 33 | | 2 | 2 | | 1 | | 0 | |
| b. | | Control Panel Room | AT EL. 16.50 MTR. | 14 | 21 | | 2 | 2 | | 1 | | 10 | |
| | | | | 345 | 374 | 16 | 81 | 60 | 17 | 32 | 20 | 144 | |
| LOOP-4 | | | | | | | | | | | | | |
| 1 | P-120-A-510 R1 | YARD AREA, LHS & IR INTERFACE | CONVEYOR 4A/4B, 3A/3B | | | | | | | | 20 | | 12 |
| LOOP-5 | | | | | | | | | | | | | |
| 1 | P-120-A-510 R1 | YARD AREA, LHS & IR INTERFACE | CONVEYOR 2A/2B, 1A/1B, CR-1, BF-2/3, BF-1 | | | | | | | | 31 | | 23 |

IS IONISATION TYPE SMOKE DETECTOR
 PS PHOTO ELECTRIC TYPE SMOKE DETECTOR
 HD HEAT DETECTOR
 MCP MANUAL CALL POINT
 EH ELECTRONIC HOOTER
 IM ISOLATOR MODULE
 CC1 INPUT RISER MODULE
 CT1 CONTROL MONITOR MODULE
 RI RESPONSE INDICATOR
 IR INFRA RED DETECTOR

Document No. : P120-D-624, Rev.-1

Item : Data Sheet for Fire Alarm Panels

Package : Fire Detection, Alarm and Protection System for Akrimota TPS
of Gujarat Mineral Development Corporation

Contractor : Unitech Machines Limited

| | | | |
|------|---|---|--|
| A. | Item | : | MAIN FIRE ALARM PANEL (Main Control Room and Lignite Plant Control Room) |
| 1.0 | Model | : | EST3 |
| 2.0 | Make | : | Edwards System Technology |
| 3.0 | Type | : | Microprocessor based |
| 4.0 | Memory capacity RAM | : | 1MB flash non-volatile |
| 5.0 | Type of display | : | 168 character LCD display (8 lines x 21 characters) |
| 6.0 | Addressable capability | : | Yes |
| 7.0 | Intelligence capability | : | Yes |
| 8.0 | Stand alone capability | : | Yes |
| 9.0 | Alarm verification capability | : | Yes |
| 10.0 | Sensor self-test capability | : | Yes |
| 11.0 | Fault tolerant wiring capability | : | Yes |
| 12.0 | Primary Power supply with local rail module 230V, 50Hz | : | 230V AC \pm 15%, 50Hz, Total of O/P current 7.0 Amps. |
| 13.0 | Output Voltage | : | 24V DC |
| 14.0 | Mounting requirement | : | One LRM space, one chassis foot pring |
| 15.0 | Output Protection | : | Electronic current limiting and heat sink temperature |
| 16.0 | Comm. Method | : | Peer to Peer Token Ring Network |
| 17.0 | Total no. of Nodes | : | 64 Max. |
| 18.0 | Circuit length | : | 5,000 Ft. (1,523 M) Max between any 2 panels |
| 19.0 | Number of devices/detectors | : | 125 Devices, 125 Detectors (Total 250 nos.) |

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|------|--|---|--|
| 20.0 | Loop length | : | 1901 M max. using AWG14 (Cable Resistance = 12 ohms/KM, Capacitance = 115 PF/Mtrs.) |
| 21.0 | Self diagnostics | : | Yes |
| 22.0 | Indications | : | Alarm, trouble, ground fault, CPU fail, test, monitor, supervisory, disable, reset, alarm silence, panel silence |
| 23.0 | Detector/Loop disable facility | : | Yes |
| 24.0 | Sensitivity of detectors modification from panel | : | Yes |
| 25.0 | Operator controls | : | Alarm silence, reset, lamp test, panel trouble |
| 26.0 | Common fire contact (1NO + 1NC) | : | Yes (1 No. + 1 NC) |
| 27.0 | Contact rating | : | 1 Amp. |
| 28.0 | Location of panel | : | One in Main Control Room and one in Lignite Plant control room |
| 29.0 | No. of Panel | : | 02(Two) |
| 30.0 | Battery details | : | EXIDE |
| 30.1 | Manufacturer | : | India |
| 30.2 | Country of origin | : | SMF Lead Acid Batteries |
| 30.3 | Type | : | 24V DC (12V DCx2) 65 AH |
| 30.4 | Output rate | : | 2 Sets (One set for each Panel) |
| 30.5 | Quantity | : | |
| 31.0 | Battery Charger details | : | |
| 31.1 | Battery charger | : | Inbuilt with EST-3 |
| 31.2 | Charger type | : | Dual rate battery charger |
| 31.3 | Charge rate | : | Automatic high/low |
| 31.4 | Compensation of charger temperature | : | Yes, with remote temperature probe |
| 31.5 | Rating of charger | : | To suit the requirement |
| 32.0 | Inspection & Testing | : | As per approved ICL |
| 33.0 | Catalogue | : | Yes (14 sheets) |
| B. | Item | : | LCD REPEATER PANEL |
| 1.0 | Model | : | 3-LCDANN Remote Annunciator |
| 2.0 | Make | : | Edwards System Technology |

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|-----------|-------------------------------|---|--|
| 3.0 | Type | : | Microprocessor based |
| 4.0 | Type of display | : | 168 Character LCD display |
| 5.0 | Alarm verification capability | : | Yes |
| 6.0 | Power supply | : | 24V DC Power from MFAP |
| 7.0 | Total number of nodes | : | 64 |
| 8.0 | Wiring style | : | Class A |
| 9.0 | Wiring termination | : | Plug in Terminal Strip |
| 10.0 | Circuit length | : | 5,000 Ft. (1,524 M) Max. between any 2 Panels |
| 11.0 | Current Consumption | : | 171 mA |
| 11.1 | Standby | : | 195 mA |
| 11.2 | Alarm | : | |
| 12.0 | Relative humidity | : | 0-93% RH Non-condensing |
| 13.0 | Temperature rating | : | 0-49°C |
| 14.0 | Indications | : | Alarm, trouble, ground fault, CPU fail, test, monitor, reset, alarm silence, panel silence |
| 15.0 | Operator controls | : | Alarm silence, reset, lamp test, panel silence |
| 16.0 | Location of panel | : | Fire station |
| 17.0 | Listing | : | ULC |
| 18.0 | No. of panel | : | One (1) |
| 19.0 | Mounting | : | Wall Mounting |
| 20.0 | Inspection & Testing | : | As per approved ICL |
| 21.0 | Catalogue | : | Yes (Two Sheets) |
| C. | Item | : | PERSONAL COMPUTER |
| 1.0 | Make | : | Zenith/ Vintron/ HCL/PCS |
| 2.0 | Processor | : | P-IV (Pentium IV) |
| 3.0 | Clock frequency | : | 1.6 GHz |
| 4.0 | Input supply | : | 230 VAC, 50 Hzs |

- 5.0 Memory : 250 MB RAM
- 6.0 Hard disk : 40 GB
- 7.0 Ports : Two serial and one Parallel
- 8.0 Monitor : 14" SVG A Colour Monitor
- 9.0 Keyboard : 101 keys Keyboard
- 10.0 Mouse : Logitech
- 11.0 Disk drive's : 1 No. CD Rom, 1 No. 3.5" Floppy drive
- 12.0 Quantity : 1 No.
- 13.0 Inspection & Testing : As per approved ICL

- D. Item : **PRINTER**
- 1.0 Make : HP
- 2.0 Type of Printer : Desk jet 5550 Series
- 3.0 Power Consumption : 30 Watts average when printing
- 4.0 Paper Size : A4, Letter, Legal, A5, Executive
- 5.0 Media types : Paper, Envelopes, Transparencies, Labels
- 6.0 Input Capacity : 100 Sheets
- 7.0 Printing Speed : 6 Pages per minute
- 8.0 Resolution : 1200 dpi
- 9.0 Printer Output : Monochrome
- 10.0 Memory : 8 MB Built in RAM
- 11.0 Power Supply : 230 VAC, 50 Hz
- 12.0 PC Connectivity : 1 EEE 1284
- 13.0 Quantity : 1 No.
- 14.0 Inspection & Testing : As per approved ICL

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|---------------------------|----------|---------------------------------------|
| E. Item | : | SOFTWARE |
| 1.0 Software Package | : | Fire Works (Life Safety System) |
| 2.0 Make/ Developer | : | Edwards System Technology |
| 3.0 Model | : | FWCGS |
| 4.0 Platform | : | Windows 2000 |
| 5.0 Communication Format | : | Rs. 232 |
| 6.0 Log Text | : | 65000 Characters per event (max.) |
| 7.0 History or drive | : | 10000 events per MB. |
| 8.0 Security Levels | : | Three security control access levels. |
| 9.0 Graphic Zoom Fields | : | Un-limited (Max. 32 recommended) |
| 10.0 Display | : | Graphic display |
| 11.0 Quantity | : | 1 No. |
| 12.0 Inspection & Testing | : | As per approved ICL/ MQP |
| 13.0 Catalogue | : | Yes (Three Sheets) |

Document No.: P120-D-627, Rev.-1

Item : Data Sheet for Response Indicators, Hooters
Package : Fire Detection, Alarm and Protection System for Akrimota TPS
of Gujarat Mineral Development Corporation
Contractor : Unitech Machines Limited

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|-----------|----------------------|----------|--|
| A. | Item | : | RESPONSE INDICATOR |
| 1.0 | Manufacturer | : | SAFEWAY, INDIA |
| 2.0 | Dimension | : | 70 (H) X 60 (W) X 40 (D) in MM |
| 3.0 | LED type | : | Red High Glow LED |
| 4.0 | Connections | : | Connected to detector directly |
| 5.0 | Rated voltage V | : | 10-24V DC (Nominal) |
| 6.0 | Material of Box | : | 16 SWG CRCA Sheet |
| 7.0 | FACIA | : | Anodised Aluminium |
| 8.0 | Finish | : | Power coated red coloured |
| 9.0 | Deg. of Protection | : | IP-43 |
| 10.0 | Mounting | : | Recess Mounting/On false ceiling |
| 11.0 | Cable entry | : | 20mm dia knockout, one each at top and rear side |
| 12.0 | Weight of unit | : | 175 gm approx. |
| 13.0 | Quantity | : | As per BOQ/approved Drawing |
| 14.0 | Inspection & Testing | : | As per approved ICL |
| 15.0 | G.A.Drawing | : | Yes (One Sheet) |
| B. | Item | : | ELECTRONIC HOOTER |
| 1.0 | Manufacture | : | SAFEWAY/OPEL/MATHS |
| 2.0 | Input voltage | : | 24V DC |
| 3.0 | Input current | : | 250 mA |
| 4.0 | Mounting | : | Surface |

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|------|----------------------|---|---|
| 5.0 | Type | : | Dual Tone |
| 6.0 | Protection feature | : | IP-43 |
| 7.0 | Colour | : | Fire Red |
| 8.0 | Dimension | : | 130 (w) x 180 (h) x 70 (d) mm |
| 9.0 | Material box | : | Body/Cover – 16 SWG CRCA |
| 10.0 | Output sound level | : | 85 db measured at distance 1 m |
| 11.0 | Speaker | : | Philips make, 6 Watt |
| 12.0 | Mounting | : | On Wall |
| 13.0 | Cable entry | : | 20mm dia knock out's, 2 Nos. at Top & Bottom side |
| 14.0 | Weight of unit | : | 1.5 kg. approx |
| 15.0 | Quantity | : | As per BOQ/Approved Drawing |
| 16.0 | Inspection & Testing | : | As per approved ICL |
| 17.0 | G.A.Drawing | : | Yes (One Sheet) |

Document No.: P120-D-629, Rev.-0
Item : Data Sheet for Manual Call Point, Fault Isolators & Interface Modules
Package : Fire Detection, Alarm and Protection System for Akrimota TPS
of Gujarat Mineral Development Corporation
Contractor : Unitech Machines Limited

| | | | |
|------|--------------------------------|------|--|
| A. | Item | : | MANUAL CALL POINT (MCP) |
| 1.0 | Manufacturer | : | EDWARDS System Tech. |
| 2.0 | Type | : | Intelligent Addressable |
| 3.0 | Type of contact | : | Pull the Handle (1 NO + 1 NC in built) |
| 4.0 | Model | : | SIGA-270 Single action |
| 5.0 | Operating voltage | : | 15.2 to 19.95V DC |
| 6.0 | Alarm current | : | 400 micro Amp. |
| 7.0 | Quiescent current | : | 250 micro Amp. |
| 8.0 | Humidity | : | 0 to 93% Rh |
| 9.0 | Location | : | Indoor/Outdoor |
| 10.0 | Mounting | : | Inside building Wall/Column outside with Weatherproof Enclosure |
| 11.0 | Listing & Degree of Protection | of : | As per UL approval |
| 12.0 | Construction & finish | : | Die-Cast Zinc Red Epoxy, Al markings |
| 13.0 | Front panel | : | Coated with 'PULL IN CASE OF FIRE' |
| 14.0 | Dimensions | : | 91mm (L) x 132mm (H) x 80mm (D) |
| 15.0 | Colour | : | Red with white marking |
| 16.0 | Operating temperature | : | 0 to 49 Deg.C |
| 17.0 | LED indication | : | Red-Alarm/Active Green-Normal |
| 18.0 | Quantity | : | As per approved BOQ/Apprd. Drawing |
| 19.0 | Inspection & Testing | : | As per approved ICL |
| 20.0 | Catalogue | : | Yes (Two Sheets) |

23.0 Enclosure for MCP in Outdoor Area only

- 23.1 Manufacturer : Ex-Protecta/Sudhir Switchgear
23.2 Item : Weatherproof Enclosure
23.3 Glass : Yes
23.4 IP Rating : IP-65
23.5 Gasket : Rubber
23.6 Cover & Body : Al. Alloy LM-6 (A-6M), Die Cast
23.7 Cable Entry : 2 Nos. ¾" ET
23.8 Paint : Fire Red, Epoxy shade 536, IS-5
2 Coats of epoxy primer followed by
2 coats of polyamide covered epoxy
high build paint
23.9 Dimension : As per enclosed Drawing (One
Sheet)
23.10 Quantity : As per BOQ/Approved Drawing

B. Item ISOLATOR MODULE

- 1.0 Manufacturer : Edwards System Tech.
2.0 Type : Intelligent Fault Isolator Module
3.0 Model : SIGA-IM
4.0 LED Indication : Green – Normal
5.0 Dimensions : 135 (w) x 64 (h) x 135 (d)
6.0 Weight : 230 gms
7.0 Operating Temperature : 0 to 49 Deg.C
8.0 Operating RH : 0 to 93% non-condensing
9.0 Operating Voltage : 15.2 – 19.95V DC
10.0 Normal Operating Current/Alarm Current : 45µA at 19V DC
11.0 Ckt. Resistance : 6 ohm. between Isolators (max.)

| | | | |
|------|-----------------------|---|---|
| 12.0 | Construction & Finish | : | High Impact Engg. Polymer – 2 gang front place – white finish |
| 13.0 | Mounting Box | : | 4 in.sq. box with 1½" Deep |
| 14.0 | Listing | : | UL/ULC |
| 15.0 | Quantity | : | As per approved BOQ/Drawing |
| 16.0 | Inspection & Testing | : | As per approved ICL |
| 17.0 | Catalogue | : | Yes (One Sheet) |
| C. | Item | : | CONTROL RELAY MODULE |
| 1.0 | Manufacturer | : | EDWARDS System Tech. |
| 2.0 | Type | : | Intelligent Addressable |
| 3.0 | Model | : | SIGA-CR |
| 4.0 | Wiring supervision | : | Yes |
| 5.0 | Output | : | Form 'C' contact, 24V DC, 2A-1 No. |
| 6.0 | Nos. of contacts | : | 1 NO + 1 NC |
| 7.0 | Operating voltage | : | 15.2 – 19.95V DC |
| 8.0 | Dimensions | : | Front view (73 x 118 x 8) mm |
| 9.0 | Weight | : | 230 gm |
| 10.0 | Current consumption | : | 100µA Supervision, 100µA Alarm |
| 11.0 | Construction & Finish | : | High Impact Engg. Polymer – 1 gang front plate white |
| 12.0 | Environment limit | : | As per UL approval |
| 12.1 | Temp. | : | 0 to 49 Deg. C |
| 12.2 | Humidity | : | 0 to 93% RH non-condensing |
| 13.0 | LED Indication | : | Green – Normal Red – In Alarm |
| 14.0 | Mounting | : | 4 sq.inch with 1½ " deep M.S. Box |
| 15.0 | Listing | : | UL |
| 16.0 | Quantity | : | As per BOQ/approved Drawing |

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|------|-----------------------|--|
| 17.0 | Inspection & Testing | : As per approved ICL |
| 18.0 | Catalogue | : Yes (Two Sheets) |
| D. | Item | : MONITOR MODULE (INTERFACE UNIT) |
| 1.0 | Manufacturer | : EDWARDS System Tech. |
| 2.0 | Type | : Intelligent Addressable Interface Unit |
| 3.0 | Model | : SIGA-CT1 |
| 4.0 | Wiring supervision | : Yes |
| 5.0 | Input | : Potential free 1 NO contact |
| 6.0 | Operating voltage | : 15.2 – 19.95V DC |
| 7.0 | Operation | : Alarm on contact closure |
| 8.0 | Current consumption | : CT1-250 μ A Supervision, 400 μ A Alarm |
| 9.0 | Construction & Finish | : High Impact Engg. Polymer – 1 gang front plate white |
| 10.0 | Operating Environment | |
| 10.1 | Temp. | : 0 to 49 Deg. C |
| 10.2 | Humidity | : 0 to 93% RH non-condensing |
| 11.0 | LED Indication | : Green – Normal Red – In Alarm |
| 12.0 | Dimensions | : Front View (73 x 118 x 8) mm |
| 13.0 | Mounting Box | : 4 sq.inch with 1½ " deep |
| 14.0 | Weight | : <u>150</u> gm |
| 15.0 | Listing | : UL |
| 16.0 | Quantity | : As per BOQ/approved Drawing |
| 17.0 | Inspection & Testing | : As per approved ICL |
| 18.0 | Catalogue | : Yes (Two Sheets) |

| | | | |
|------|-----------------------|---|---|
| E. | Item | : | SIGNAL MODULE |
| 1.0 | Manufacturer | : | EDWARDS System Tech. |
| 2.0 | Type | : | Intelligent Addressable |
| 3.0 | Model | : | SIGA-CC1 (Single I/P Riser Module) for Hooters only |
| 4.0 | Wiring supervision | : | Yes |
| 5.0 | Output rating | : | 24V DC |
| 6.0 | Operating voltage | : | 15.2 – 19.95V DC |
| 7.0 | Current consumption | : | Standby – 223 μ A Alarm – 100 μ A Alarm |
| 8.0 | Construction & Finish | : | High Impact Engg. Polymer |
| 9.0 | Operating Environment | : | 0 to 49 Deg. C |
| 9.1 | Temp. | : | 0 to 93% RH non-condensing |
| 9.2 | Humidity | : | |
| 10.0 | LED Indication | : | Green LED – Normal and Red – In Alarm |
| 11.0 | Dimensions | : | Front View (73 x 118 x 8) mm |
| 12.0 | Mounting Box | : | 4 sq.inch with 1½ " deep |
| 13.0 | Weight | : | 230 gm |
| 14.0 | Listing | : | UL |
| 15.0 | Quantity | : | As per BOQ/approved Drawing |
| 16.0 | Inspection & Testing | : | As per approved ICL |
| 17.0 | Catalogue | : | Yes (Two Sheets) |