Board of School Education Haryana, Bhiwani

Quotation No 01/2020 of SDE cell

No 1021/SDE Date:20.03.2020

**Subject:- Providing, installation & Repairing of Automatic control panel & fuel injection pump of 50 KVA DG set.**

Please provide online rates on Annexure -1 for repairing of automatic control panel & fuel injection pump for DG Set 50 KVA Mahindra Powerol made by Sanjay Diesels, Model: SD50KV as per below mentioned features by mail at :*ratesbseh@gmail.com* on or before 25.03.2020 upto 3:00PM:

|  |  |  |
| --- | --- | --- |
| S/No | Display | Explanation of parameter |
| 1. | Generator O/V | Max. permissible voltage, above this the voltage is treated as unhealthy & the generator is stopped. |
| 2. | Generator U/V | Min. permissible voltage, below this the voltage Is treated as unhealthy & generator is stopped |
| 3. | Gen Sup Delay | The time for which the Generator voltage should Continuously be unhealthy to generate a fault condition |
| 4. | CT Ratio | Available in models having provision for /5 CTs. Not required for procom make CTs. |
| 5. | Generator O/C | Max. permissible current, above this the current is Treated unhealthy & generator is stopped. |
| 6 | Gen O/C delay | The time for which the Generator current should Continuously be unhealthy & generator is stopped. |
| 7 | Generator S/C | Max. permissible current, above this the current Is treated as unhealthy & generator is stopped. |
| 8 | Generator S/C Delay | The time for which the Generator current should , continuously be unhealthy to generate a fault condition |
| 9 | Generator O/F | Over frequency setting |
| 10 | Generator O/F Delay | Monitoring time for over frequency |
| 11 | Generator U/F | Under frequency setting |
| 12 | Generator U/F Delay | Monitoring time for under frequency |
| 13 | Available  Sensor | This selects the installed sensors in the Gensets. The display shall only display the parameters for The sensor  installed and uninstalled sensor data shall not be displayed. The protection for the function with no measurement  sensor installed shall be through switch. Eg. if oil pressure sensor is not installed the unit shall provide protection  for LLOP through oil pressure switch and not through the oil pressure Sensor (linear measurement) |
| 14 | Fuel < Level in% | Level of fuel at which the audio visual warning is issued without Initiating shut down. |
| 15 | Fuel <delay | Monitoring time of fuel fault |
| 16 | Fuel << level in % | Level of fuel at which the Engine shall shut down |
| 17 | Low lube pressure | Level of LLOP at which the engine shut down |
| 18 | High water Temp. | Temperature of water at which engine shall shutdown |
| 19 | Sensor type | A: For engines other SDEC , B: SDEC engine |
| 20 | Fuel<< delay | Monitoring time of fuel<<fault |
| 21 | LLOP delay | Monitoring time of LLOP fault |
| 22 | HWT delay | Monitoring time of HWT fault |
| 23 | Rad. water delay | Monitoring time of RWL fault |
| 24 | Charging Delay | Time delay after which the charging alternator / V-Belt fault shall be Activated. |
| 25 | Hooter Reset Time | Time for which the Hooters active if not reset manually |
| 26 | Stop Sol On Time | Time for which fuel solenoid s activated for shutting the engine |
| 27 | Emmer Sol Time | This setting is to protect the fuel solenoid in case the stop button or Emergency is kept pressed. In such a case  the solenoid shall be Released after this time |
| 28 | Gen Pick Up Vol | Voltage of generator above which the generator is assumed to be ON |
| 29 | Service Time Hr | Time, in hours, after which the service is due |
| 30 | Disp Auto Scroll | Setting ON will enable Auto scroll of display. OFF: No scroll and Next parameter can be viewed by pressing next. |
| 31 | Vol Dis format | DES-11 can display either phase to phase or phase to neutral voltage |
| 32 | Engine RPM | Engine RPM selection |
| 33 | Charging Alternator  Relay time | Time for which the magnetizing relay of charging alternator will be Switched on after the engine has started  (Model A only) |
| 34 | Crank time | Maximum duration for which the crank is activated after the start Command is given |

Fuel injection pump repairing with following parts:

1. Plunger repairing
2. Fuel ON/OFF solenoid repairing

Sd/-

**Assistant Secretary (G)**

**For Secretary**

Annexure- 1

Board of School Education Haryana, Bhiwani

Quotation No 01/2020 of SDE cell

No 1021/SDE Date:20.03.2020

**Subject:- Providing, installation & Repairing of Automatic control panel & fuel injection pump of 50 KVA DG set.**

**List of Parts which are required to be provided, installed & repaired**

|  |  |  |  |
| --- | --- | --- | --- |
| S/No | Item details of Item | Quantity | Rates for providing, Installation & repairing in figures & words, including GST/Tax if any |
|  | PLC new  Dimensions: L-96, B-192, Mode: Auto/manual  Three phase. | 01 Piece | Rupees\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Contractors Repairs  Make: L&T  70-80AMP, 04 Pole, AC. | 02 Pieces | Rupees\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Connector New  100 AMP, 4 Pole, | 03 Pieces | Rupees\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Copper Bus Bar New  100 AMP with wiring 2.5 and 25 MM | 01 Piece | Rupees\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Relay card New  DC, 12 Volt, 02 Pin, 40 AMP | 01 Piece | Rupees\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Fuel injection pump  Plunger repairing | 01 Piece | Rupees\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Warranty if any\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

It is certified that the instructions, terms and conditions of the Quotation Notice-II are acceptable and the rates of the items in Annexure-1 quoted by me are correct.

1. Name of the Quotationer with Mob. No\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name of the Firm/Agency\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Address of the Firm/Agency\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Pan No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. GST No of the firm (if any)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Regn. No of the firm/Agency\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Name of the Bank in which the Quotationer has the account\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Name of the Bank Branch \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Account No of the Quotationer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. I.F.S.C code of the bank branch\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signatures of the Quotationer with seal