

Advance Multiple Technology**Section 6. Bill of Quantities**

The following works shall be done by electrical ABC License holder contractors having experience on electric & related works. Contractor shall be liable to repair all fault/changes required of the works done within defect liability period of 06 (six) months by it's own cost. All works shall be done as per specifications & direction of engineer in charge.

Bill of Quantities

Item no.	Group	Item Code (if any)	Description of Item	Measurement Unit	Quantity	Unit Price (In figures: BDT)	Unit Price (In words: BDT)	Total Price (In figures: BDT)	Total Price (In words: BDT)
1	A	N/A	Supply and installation of DIOD MODULE - PD200S16(FR-A740-90K). equivalent or as per sample	Each	1.000	31000.001	Thirty-One Thousand Point Zero Zero One	31000.001	Thirty-One Thousand Point Zero Zero One
2	A	N/A	Display Unit. FR-DU07 BKO-CA1633H13*JAE. equivalent or as per sample	Each	1.000	17100.001	Seventeen Thousand One Hundred Point Zero Zero One	17100.001	Seventeen Thousand One Hundred Point Zero Zero One
3	A	N/A	Capacitor (PP200S18(FR-A740-90K) or equivalent. (6nos. =1 set)	Per set	2.000	33200.001	Thirty-Three Thousand Two Hundred Point Zero Zero One	66400.002	Sixty-Six Thousand Four Hundred Point Zero Zero Two
4	A	N/A	Supply & fitting-fixing of cooling fan (internal) IP54 frame size C with 2 wire internal connection	Each	1.000	10200.003	Ten Thousand Two Hundred Point Zero Zero Three	10200.003	Ten Thousand Two Hundred Point Zero Zero Three
5	A	N/A	All Variable frequency drive will be received by contractor technician from FMD-2 sub store and after repairing VFD will be returned at the same place.	Trip	4.000	1700.001	One Thousand Seven Hundred Point Zero Zero One	6800.004	Six Thousand Eight Hundred Point Zero Zero Four
6	A	N/A	Cleaning the dirt or mud through the blower machine.	Nos.	4.000	220.001	Two Hundred And Twenty Point Zero Zero One	880.004	Eight Hundred And Eighty Point Zero Zero Four
7	A	N/A	Isolating IGBT Module from VFD and cleaning, testing IGBT Card by Electrical Cleaner Techspray.	Nos.	4.000	520.001	Five Hundred And Twenty Point Zero Zero One	2080.004	Two Thousand And Eighty Point Zero Zero Four

8	A	N/A	Isolating Control board/Card from VFD and cleaning Control Card by Electrical Cleaner Techspray. Electrostatic Discharge vacuum to reduce static build up will used for cleaning electronic components.	Nos.	4.000	620.001	Six Hundred And Twenty Point Zero Zero One	2480.004	Two Thousand Four Hundred And Eighty Point Zero Zero Four
9	A	N/A	Isolating EMC Filter from VFD then Filter check and cleaning. How often these filters need to be changed will depend on the environment that the VFD panel placing a panel in a dusty or dirty environment.	Nos.	4.000	520.001	Five Hundred And Twenty Point Zero Zero One	2080.004	Two Thousand And Eighty Point Zero Zero Four
10	A	N/A	Isolating DIM Module from VFD then testing and cleaning.	Nos.	4.000	520.001	Five Hundred And Twenty Point Zero Zero One	2080.004	Two Thousand And Eighty Point Zero Zero Four
11	A	N/A	Isolating Rectifier from VFD then cleaning by Electrical Cleaner Techspray.	Nos.	4.000	720.001	Seven Hundred And Twenty Point Zero Zero One	2880.004	Two Thousand Eight Hundred And Eighty Point Zero Zero Four
12	A	N/A	Isolating APP Card from VFD then testing cleaning by Electrical Cleaner Techspray.	Nos.	4.000	520.001	Five Hundred And Twenty Point Zero Zero One	2080.004	Two Thousand And Eighty Point Zero Zero Four
13	A	N/A	Isolating Main Card from VFD then checking cleaning by Electrical Cleaner Techspray.	Nos.	4.000	520.001	Five Hundred And Twenty Point Zero Zero One	2080.004	Two Thousand And Eighty Point Zero Zero Four
14	A	N/A	Isolating Drive switch Card from VFD then cleaning by Electrical Cleaner Techspray.	Nos.	4.000	520.001	Five Hundred And Twenty Point Zero Zero One	2080.004	Two Thousand And Eighty Point Zero Zero Four
15	A	N/A	Isolating Fan Power card from VFD then cleaning by Electrical Cleaner Techspray.	Nos.	4.000	520.001	Five Hundred And Twenty Point Zero Zero One	2080.004	Two Thousand And Eighty Point Zero Zero Four
16	A	N/A	Isolating Main cooling fan from VFD then cleaning by Electrical Cleaner	Nos.	4.000	620.001	Six Hundred And Twenty	2480.004	Two Thousand Four Hundred

			Techspray. Cooling fan failure causing an over-temp fault.				Point Zero Zero One		And Eighty Point Zero Zero Four
17	A	N/A	Isolating Key Pad from VFD then testing cleaning by Electrical Cleaner Techspray.	Nos.	4.000	520.001	Five Hundred And Twenty Point Zero Zero One	2080.004	Two Thousand And Eighty Point Zero Zero Four
18	A	N/A	Isolating CT Sensor from VFD then testing cleaning by Electrical Cleaner Techspray.	Nos.	4.000	620.001	Six Hundred And Twenty Point Zero Zero One	2480.004	Two Thousand Four Hundred And Eighty Point Zero Zero Four
19	A	N/A	Isolating Electrolytic Capacitors from VFD then checking cleaning by Electrical Cleaner Techspray.	Nos.	4.000	510.001	Five Hundred And Ten Point Zero Zero One	2040.004	Two Thousand And Forty Point Zero Zero Four
20	A	N/A	Isolating Power Board from VFD then cleaning by Electrical Cleaner Techspray.	Nos.	4.000	550.001	Five Hundred And Fifty Point Zero Zero One	2200.004	Two Thousand Two Hundred Point Zero Zero Four
21	A	N/A	Isolating CT Set from VFD then cleaning by Electrical Cleaner.	Nos.	4.000	720.001	Seven Hundred And Twenty Point Zero Zero One	2880.004	Two Thousand Eight Hundred And Eighty Point Zero Zero Four
22	A	N/A	Isolating DC Reactor from VFD and testing cleaning by Blower Machine.	Nos.	4.000	530.001	Five Hundred And Thirty Point Zero Zero One	2120.004	Two Thousand One Hundred And Twenty Point Zero Zero Four
23	A	N/A	Isolating PC**SED2 Set from VFD then testing cleaning by Electrical Cleaner.	Nos.	4.000	470.001	Four Hundred And Seventy Point Zero Zero One	1880.004	One Thousand Eight Hundred And Eighty Point Zero Zero Four
24	A	N/A	Isolating TX-Open module from VFD then checking cleaning by Electrical Cleaner.	Nos.	4.000	470.001	Four Hundred And Seventy Point Zero Zero One	1880.004	One Thousand Eight Hundred And Eighty Point Zero Zero Four

25	A	N/A	Fitting and fixing all VFD component/spare in VFD Box.	Nos.	4.000	724.001	Seven Hundred And Twenty-Four Point Zero Zero One	2896.004	Two Thousand Eight Hundred And Ninety-Six Point Zero Zero Four
26	A	N/A	Cleaning the VFD three times through blower machine by engineer.	Nos.	4.000	610.048	Six Hundred And Ten Point Zero Four Eight	2440.192	Two Thousand Four Hundred And Forty Point One Nine Two
							Grand Total:	177676.283	One Lakh Seventy-Seven Thousand Six Hundred And Seventy-Six Point Two Eight Three

*** Note:** All applicable taxes, custom duties, VAT and other levies payable by the Contractor under the Contract shall be included in the unit prices submitted by the Tenderer.

This Section 6. Bill of Quantities is Electronically Signed by Mr. Nur Mohammed on behalf of Advance Multiple Technology