I.   The PLC program shall be able to be uploaded from RTU to Laptop in full editable condition.

1.3.22.18 Hand-Held Programmer

A.   The Hand-Held Programmer shall provide 4 modes of operation, Program, Data, Configuration, and Protect.

B.   The Hand-Held Programmer shall be powered by the connected PLC, without the need of any external auxiliary power.

C.   The Program mode shall provide the capability to enter an application program, monitor an existing program, or make on-line changes.

D.   The Data mode shall provide the capability to monitor all of the reference tables, and make word changes to this data.

E.   The Configuration mode shall provide the capability to configure and monitor the connected Input/Outputs.

F.   The Protect mode shall provide the capability to select password protection options.

G.   The Hand-Held Programmer shall be capable for online connectivity.

H.   The Hand-Held Programmer shall be capable of reading, writing and comparing the contents of RAM and EEPROM.

1.3.22.19 Windows Compatible Software

A.   The WINDOWS compatible software shall provide the capability of reading, writing, and verifying the configuration and program with a backup.

B.   The software shall provide on-line help information throughout its execution paths.

C.   The software shall allow development of programming, storing the program to the PLC, monitor program and reference address status while the PLC is in Run or Stop mode.

D.   The software shall be user friendly to generate printout of the program for documentation purposes selectable to print various options e.g. printing of complete program with instruction for each rung, the reference list, reference description, reference address & tables etc.

E.   The software shall have built-in modem connection capabilities.