

ANNEXURE-II

Amended specification for Tender Notification No.: NITT/ F.NO:RES.094/PLAN 2013-14/EEE

| PMSG Coupled with DC Motor set up with speed indicator with rotary encoder   |  |
|--|--|
| <u>Original</u>  | <u>Amended</u>   |
| <p><u>PMSG SPECIFICATION</u><br/>                     Type -Salient Pole/ cylindrical rotor.<br/>                     Stator voltage -230 V, 3 phase AC<br/>                     Rated Speed - 300rpm<br/>                     Power Rating -1 KW<br/>                     Efficiency -equal to or better than 80%<br/>                     Duty Class -S1<br/>                     Enclosure -IP23<br/>                     Termination -Terminal box, six stator winding terminals<br/>                     Insulation -Class F<br/>                     Horizontal Mounted</p> <p>Speed indicator</p> <p>Rotary encoder (1024 pulses/revolution)</p> <p><u>DC MOTOR SPECIFICATION</u><br/>                     Type-Shunt/Separately Excited<br/>                     Rating -2KW,<br/>                     Speed-300-500rpm,<br/>                     Armature Voltage -220V<br/>                     Full load efficiency- better than 70%<br/>                     Enclosure -IP 23<br/>                     Standards-Applicable to IS<br/>                     Duty class-S1<br/>                     Termination-Terminal box, all 4 winding terminals (2 field + 2 armature) brought out</p> <p>and</p> <p>Closed loop Thyristor DC Drive for DC Motor speed control</p> | <p><u>A)PMSG SPECIFICATION</u><br/>                     Type -Salient Pole/ cylindrical rotor.<br/>                     Stator voltage -230 V(L-L), 3 phase AC,50Hz<br/>                     Rated Speed -300rpm<br/>                     Power Rating -1 KVA<br/>                     Efficiency -equal to or better than 80%<br/>                     Duty Class -S1<br/>                     Enclosure -IP23<br/>                     Termination -Terminal box, six stator winding terminals<br/>                     Insulation -Class F<br/>                     Horizontal Mounted</p> <p>Digital speed indicator – (4 digit seven segment LED/LCD)<br/>                     Incremental rotary encoder (1024 pulses/revolution)</p> <p><u>B)DC MOTOR SPECIFICATION</u><br/>                     Type-Shunt/Separately Excited<br/>                     Rating -3Hp,<br/>                     Rated speed- 500rpm,<br/>                     Rated Armature/field Voltage -220V<br/>                     Full load efficiency- better than 70%<br/>                     Enclosure -IP 23<br/>                     Standards-Applicable to IS<br/>                     Duty class-S1<br/>                     Termination-Terminal box, all 4 winding terminals (2 field + 2 armature) brought out</p> <p><u>C) DC Drive for motor speed control</u><br/>                     Closed loop Thyristor Converter Drive for DC Motor speed control</p> <p>Input voltage : 415 V (L-L), 3 phase AC, 50Hz<br/>                     Output voltage: 0-250V DC<br/>                     Display : voltage, current digital display<br/>                     Current rating : output max current 20 A<br/>                     Control input : Nob to vary speed from 0-700rpm with speed reference indication</p> |