

D/No-07750128 dated 23.05.16

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Panel frames are fabricated out of 16 Gauge MS sheet folder sections to provide strength to weight ration .To make the panels tight ,dust and vermin proof ,ahigh grade PVC-beading is Used on Prijected edge in windows except meter paelas .the metal surface of the panels,We have an elaborate and scientific system of Painting .Aftercleaning the surface in tank process powder coating is done for long life impression.

Annexure-I SCOPE OF SUPPLY.

| SCHEDULE 'A' | | | | | | |
|---|--|-----|------|------|--------|--------------|
| Name of work :-Design ,fabrication, supply installation ,testing and commissioning of light load run Facilities for WAG-7,WAG -5&WAM-4 LOCO as per given specification. | | | | | | |
| Item no. | Description of work | qty | unit | Rate | Amount | Total amount |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Design fabrication supply& commissioningof isolating of control panel for V V F panel for manual isolation & switching over the traction motor to direct feed made in 16 SWG sheet & duly powder coated of approx size 1500mmx500mmx1200mm | 1 | no | | | |
| 2 | Supply,installation & commissioning of VVF complete with all accessories for operation per specification make -ABB/Schneider | 2 | set | | | |
| 3 | Supply of incoming 3 phase choke for smoothing of incoming wave from for v v f drive | 2 | set | | | |
| 4 | Supply of switch fuse unit for 160 Smgs cap.Equivalent to FN-TPN-160 of L&T or Siemens or CGL. | 2 | job | | | |
| 5 | Supply ,installation of CTs 200/5 | 6 | nos | | | |
| 6 | Supply ,installation of digital Ac metre 0-200 Amps | 6 | nos | | | |
| 7 | Supply ,installation of digital AC voltmeter 0-500v | 6 | nos | | | |
| 8 | Supply ,installation of digital RPM metre | 2 | nos | | | |
| 9 | Supply, installation of digital frequency meter | 2 | nos | | | |
| 10 | Design, supply ,installation& testing cable box termination for AC traction motor connection arrangement (Cable to be supplied by Railway) | 2 | nos | | | |
| 11 | Supply ,installation&commissioning of indication cum hooter lamp along with all wiring &for fault indication. | 2 | nos | | | |
| 12 | 3- phase indication with neutral L&T make. | 8 | nos | | | |
| 13 | Provision of 02 Nos temperayure sensor transducers to display the temperature on VDU. | 2 | nos | | | |

SSE (E/C) BPL

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Dy Chief Electrical Engineer (Works)
West Central Railway, Bhopal

D/No-07750128 dated 23.05.16

SCHEDULE -'B'

Namr of work :- Design fabrication ,supply ,installation ,testing and commissioning of light load run facilities for WAG -9 locomotives as per given specification.

| Item no | Description of work | Qty | Unit | Rate | Amount | Total amount |
|---------|--|-----|------|------|--------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Supply,installation,testing & Commissioning of 200 Amps .3-phase variable Auto transformer oil cooled. | 2 | nos | | | |
| 2 | 3 phase bridge rectifier out put DC150 v,600 Amp,415v/1225v TRFheat-sinks,diode,smoothing reactor ,bus bar size 25mmx6mm. | 1 | set | | | |
| 3 | Protection ,Rc net work ,over current fuse | 1 | set | | | |
| 4 | Current over load relay or MCCB ,L&T or Siemens make. | 2 | nos | | | |
| 5 | Thermal switchs NO-NC. | 6 | nos | | | |
| 6 | DC.volt merer 0-200 make AE,Meco,Creative | 5 | nos | | | |
| 7 | DC Am meter 0-800 make AE,Meco, Creative. | 5 | Nos | | | |
| 8 | Supply ,installation of digital RMO meter Make AE. | 1 | no | | | |
| 9 | Supply,eration and commissioning of SFP TPN 250 Amps .make L7T or equivalent for incoming supply. | 1 | no | | | |
| 10 | Supply,installation & commissioning of indication cum hooter lamp make mimic ,Altos,along with all wiring &for fault indication. | 1 | no | | | |
| 11 | 3-phase indication with neutral make Altos,AE,creative. | 8 | nos | | | |
| 12 | Design,fabrication ,supply installation &commissioning of box of made in 16 SWG steel sheet powder approx .size 1500x500x1000mm | 1 | No | | | |
| 13 | Supply ,installation & commissioning of DC power contractor for isolating between each other 2000 amos. | 3 | nos | | | |

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[Signature]
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