

**SCHEDULE OF WORKS**

**Supply, Loading/Unloading, Delivery, Installation, Testing & Commissioning 150KVA Servo Control Voltage Stabilizer at RMG Production and Procurement Centre, Raiganj, Uttar Dinajpur, West Bengal -733130**

Sl. No.	Description of item	Qnty	Unit	Rate (Rs.) including GST & Cess
	Supply, Loading/Unloading, Delivery, Installation, Testing Commissioning 150 KVA Copper Air cool Digital micro controlled based servo control voltage stabilizer (SCVS), extended warranty period for next 12 months after 12 months defect liability period, loading/unloading etc. in all complete as per direction of Engineer in charge.			
	Product			
	Servo Control Voltage Stabilizer <b>(Copper Transformer)</b>			
	<b>Capacity</b>			
	<b>150 KVA</b>			
	Type			
	Indoor type			
	Application Type			
	Unbalance load & input			
	Input Terminal			
	<b>R , Y , B, N &amp; E</b>			
	Normal Input range			
	360V - 470V for 3 Phase			
	Input Frequency			
	50+/-2 Hz			
	Output Terminal			
	<b>R , Y , B, N &amp; E</b>			
	Normal Output			
	400v ± 1% for 3 phase 4 wire			
	Output voltage regulation			
	± 1 % from No Load to Full Load			
	Output frequency			
	50 Hz same as input			
	Efficiency			
	As per IS			
	Standard			
	IS 9815 PART - II			
	Speed of voltage correction			
	16V – 36V /sec as required for phase to phase	<b>1</b>	<b>Job</b>	<b>Rs.</b>
	Waveform distortion			
	Nil, except replica of the input			
	Efficiency			
	>98%			
	Duty Cycle			
	Continuous			
	Cooling			
	<b>Air-cool</b>			
	Class of insulations			
	> A			
	Indications			
	⇒Input on, ⇒Output OK, ⇒High voltage Cut-Off, ⇒Low voltage Cut-Off, ⇒Manual & Auto,⇒ Buck ⇒ Boost,⇒ Set			
	Metering			
	Digital Input & Output, Load current ,			
	<b>Protections Input</b>			
	<b>Short circuit , Over Load protection by MCCB (OPTIONAL)</b>			
	<b>Protections Output</b>			
	<b>High voltage cut off , Low voltage cutoff , Delay system , Single phase preventer</b>			
	Operating Temperature			
	0 – 50° C above ambient			
	Break down strength			
	1500V AC for 2 mins (for Transformer)			
	Humidity			
	0 – 95% RH non condensing			
	Enclosure			
	CRCA Mild Steel IP42			
	Make			
	<b>REPUTED BRAND</b>			

**APPROVED MAKE LIST OF METARIALS FOR SUPPLY, LOADING/UNLOADING, DELIVERY, INSTALLATION, TESTING & COMMISSIONING 150KVA SERVO CONTROL VOLTAGE STABILIZER AT RMG PRODUCTION AND PROCUREMENT CENTRE, RAIGANJ, UTTAR DINAJPUR, WEST BENGAL -733130**

<b>Sl. No.</b>	<b>Materials Description</b>	<b>Make</b>
1	Modular Switch, Switch board, plug Socket & accessories	MK / HAVELLS /Anchor Roma
2	Distributions Board (Double Door & Metal Clad Socket Outlet)	HAGER / MDS (Legrand ) / MERLIN GERIN/L&T/Siemens
3	RCCB / MCB/MCCB	L&T / Legrand / Havells
4	PVC Conduit (ISI)	POLYPACK / PRECISION / AKG/Polycab/Finolex/Supreme
5	Electrical Wire	Havells/Polycab/ Finolex
6	Wiring & LT cable	Havells/ Polycab/ Finolex/ Gloster
7	Jack	JAM / Advision/ Triplett
8	Alternator	KEC / STAMFORD

Note:

1. Any other material required for the job but not included in the above list shall be executed with prior approval of Engineer-Incharge.
2. The bidder shall quote rates for the various items after ascertaining the availability, delivery schedule etc. of the same.