

CROSS WORLD POWER LIMITED

BOQ OF 1X150 KVA GENERATOR INSTALLATION MATERIAL

CLIENT - Al Jamiatul Karimia Nurul Ulum Mac

ADDRESS- Rangpur

DATE- 02.02.2020

GEN MODEL-			ENGINE MODEL-			ALTERNATOR MODEL-			SCOPE OF SUPPLY			TECHNICAL DETAILS/ BRAND			JOB DESCRIPTION			SL NO			REMARKS					
1			Electrical System:									4X1C-70 mm NYY DG To Change over switch														
1.1			Power Cable (35°C Ambient in Air)									4X1C-70 NYY MAINS To ATS			Meter			19			718 13,568					
1.2			Power Cable Lugs									4X1C-70 NYY ATS To LOAD						N/A			0					
1.3			Power cable laying charge									70 mm , Material -Copper , Surface-Electro Tinned			Pcs			10			53 530					
1.4			Control cable For Sensing									1C-70mm cable			Meter			N/A			0					
1.5			PVC Tape									4 X 1.2 mm (40/0.19 mm)Flexible Cable			Meter (approx.)			25			87 2,175					
1.6			PIB Tape									Adhesive Tape 04 color (Red/Yellow/Black/Blue)			Pcs			8			29 232					
1.7			Royal Bolt									10 no.			Pcs			1			461 461					
1.8			Cable Tie									L - 10"			Pack			1			158 180					
2			Generator Earthing :																							
2.1			Earthing Boring									80 feet			Job			1			5,789 5,789					
2.2			GI Pipe (Boring)									38mm dia			Meter			7			483 3,381					
2.3			PVC Flexible pipe									3/4 " inner diameter			Meter			5			22 110					
2.4			Earthing Copper Lead (Boring)									2 SWG			Meter			25			419 10,475					
2.5			Earthing Copper Lead for termination									2 SWG			Meter			3			419 1,257					
2.6			Earthing Block / Equipotential bar									Dimension LXWXD=200mmX30mmX5mm with connection facility			Pcs			1			2105 2,105					
2.7			Earthing Cable									1 X 25mm BYA (Green) from Earthing Copper bar to gen & equipment			Meter			5			235 1,175					
2.8			Earthing Cable lugs									25 mm Material -Copper , Surface-Electro Tinned			Pcs			6			18 108					
3			Exhaust System:																							
3.1			Exhaust Silencer straight Pipe									MS Pipe bore 4", thickness 3-4mm			Meter			2			1942 3,884					
3.2			Exhaust Bends /Elbow									Long radius 90 deg L bow, bore 4"			Pcs			1			855 855					
3.3			Exhaust Flange									Welding neck flange 4" bore			Pcs			4			461 1,844					
3.4			Exhaust Heat Insulation with silencer box									Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26 SWG Aluminium sheet cladding.			Job			1			3926 3,926					
3.5			Exhasut Fitting with silencer box									Exhaust Pipe & Silencer Box Support from floor, Made with 2" dia MS Pipe with necessary fitting, welding etc.			Job			1			3010 3,010					
4			Cooling System:												N/A											
4.1			Radiator Ducting									As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, iron net mesh etc LXW=2.5'X3' rft=									As per site condition Canopy hot air front exit.					
5			Commissioning Material:																							
5.1			Radiator coolant									Havoline Premix Coolant			Liter			20			160 3,200					
5.2			Lube oil									SAE 15 W 40			Liter			20			420 8,400					
5.3			Battery electrolyte									Specific gravity 1250			Liter			10			90 900					
6			DG On site delivery:																							
6.1			Loading /Unloading/Lifting									Generator dry weight- 1650Kg			CWPL			1								
7			Civil Work												Job											
7.1			Required DG base									LXWXD=12'7"X3'6"X6"			CLIENT			Job			1			Already done by client		
																					TOTAL TK.(Excluding VAT & AIT)			67,774		

60,000 F
11/2/2020