CROSS WORLD POWER LIMITED	
BOO OF 1X150kVA GENERATOR	

CLIENT - TRIPPLE APPARELS LTD. ADDRESS- Mawna, Gazipur

DATE- 29.06.17

Electrical System: 70 mm, Material - Copper, Surface-Electro Tinned Pcs 26 75 1,950		ODEL-	ENGINE MODEL-		ALTERNATOR			1	
1.1 Power Cable Lugs		JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF SUPPLY	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1.2 Control cable For Sensing	_		T-0						,
1.3 Flexible pipe 2.5 inner dia		5							_
1.4 Saddele 2.5"									
1.5 Royal Plug & Screw Peck 2 2.15 4.40									
16. Royal Bott			2.5"						
1.7 VC Tape			10						
18. Pils Tape Pes 1 6:50 6:50 6:50 1.00									_
1.9 Cable Tile L - 12" Pack 3 350 1,050			Adnesive Tape 04 color (Red/Yellow/Black/Blue)						
Cable Laying Charge			1425						
Cable Laying Callage Cable 450 meter Cable		W 0 4			Pack				
Earthing of electrical installation with 38.1 mm (1.5°) dia G.1. pipe throughly (2swg earth electrode) having 6.35 mm dia holes across dia at 305 mm interval securedly bonded with washer, nuts, boilts etc. surk uplo a depth of 100 ft with GIP pipe to statina earth resistance < 1 ohm including blind socket for weter pouring facility. 2.2 Earthing Copper Lead 38.1 mm dis GIP pipe 10 etatina earth resistance < 1 ohm including blind socket for weter pouring facility. Boring: 100 & GIP pipe 10 etatina earth resistance < 1 ohm including blind socket for weter pouring facility. Boring: 100 & GIP pipe 10 etatina earth resistance < 1 ohm including blind socket for weter pouring facility. Boring: 100 & GIP pipe 10 etatina earth resistance < 1 ohm including blind socket for weter pouring facility. Boring: 100 & GIP pipe 10 etatina earth resistance < 1 ohm including blind socket for weter pouring facility. Boring: 100 & GIP pipe 10 etatina earth resistance < 1 ohm including blind socket for weter pouring facility. Boring: 100 & GIP pipe 10 etatina earth resistance < 1 ohm including blind socket for weter pouring facility. Boring: 100 & GIP pipe 10 etatina earth resistance < 1 ohm including blind socket for weter pouring facility. Boring: 100 & GIP pipe 10 etatina earth resistance < 1 ohm including blind socket for weter pouring facility. Boring: 100 & GIP pipe 10 etatina earth resistance < 1 ohm including 2 ohm inclu		The second secon			Meter	70	70	4,900	
G.I. pipe throughly (2swg earth electrode) having 6.35 mm dia holes across dia al 305 mm inlerval securedly bonded with washer, nuts, bolts etc. surk upto a depth of 100 ft with GIP pipe to attain earth resistance <1 ohn including blind socket for weter pouring facility. Boring: 100° & GIP pipe 10 attain earth resistance <1 ohn including blind socket for weter pouring facility. Boring: 100° & GIP pipe: 10°+10° . 2.2 Earthing Copper Lead	2	Generator Earthing :							
Installation of solid cooper wire earthing lead 2 SWG in St. 1 mm did GI pipe & termination of connection at both end. Meter (Approx.) 35 658 23,030 23,450 23,250 24 Earthing Block Dimension LXWXD - 35mm X 5mm or equivalent with connection facility Pcs 1 3,450 3,450 3,450 24 Earthing Cable 1 X 16 mm BYA (Green) from Earting Copper bar to gen neutral & equipment & ATS. Meter (Approx.) 6 225 1,350 25 Earthing Cable lugs 16 mm Material - Copper , Surface-Electro Tinned Pcs 6 45 270 25 Earthing Cable lugs 16 mm Material - Copper , Surface-Electro Tinned Pcs 6 45 270 25 Exhaust System: Pcs 6 45 270 27	2.1	Earthing Boring	G.I. pipe throughly (2swg earth electrode) having 6.35 mm dia holes across dia at 305 mm interval securedly bonded with washer, nuts, botts etc. sunk upto a depth of 100 ft with GIP pipe to attain earth ressistance <1 ohm including blind socket for weter pouring facility.		Job	1	17,500	17,500	Earthing boring location considered adjacent of the DG room
2.4 Earthing Block	2.2	Earthing Copper Lead	38.1 mm dia GI pipe & termination of connection at		200201200000	35	658	23,030	10-10-10-10-10-10-10-10-10-10-10-10-10-1
2.4 Earthing Cable Gen neutral & equipment & ATS. (Approx.) 6 225 1,350	2.3	Earhting Block			Pcs	1	3,450	3,450	
Exhaust System:	2.4	Earthing Cable				6	225	1,350	
Sexion Silencer straight Pipe MS Pipe bore 4", thickness 3-4mm Feet (Approx.) 15 1,010 15,150	2.5	Earthing Cable lugs	16 rm Material -Copper , Surface-Electro Tinned		Pcs	6	45	270	
3.2 Exhaust Bends/Elbow Long radius 90 deg MS L bow 4" bore 3-4mm Pcs 1 1,010 1,010	3	Exhaust System:							
3.3 Exhaust Flange Welding neck flange 4" dia Pcs 5 665 3,325	3.1	Exhaust Silencer straight Pipe	MS Pipe bore 4", thickness 3-4mm		Feet (Approx.)	15	1,010	15,150	
Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 268WG Aluminium sheet clading. All bracket , support must be made with MS angle 50X50 4 Cooling System: W X H - (2'X4'); L -3' (Approx.) As per layout with 20/22 SWG MS sheet, Angle bar, flat bar support, Canvas cloths, iron net mesh etc. 5 Commissioning Material: 5.1 Radiator Coolant Havoline Premixed Coolant Liter 5.2 Lube oil SAE 15 W 40 Specific gravity 1250 Specific gravity 1250 Liter Diesel Fuel for commissioning 6 DG On site delivery: 6.1 Diesel Fuel for commissioning 6 Gonerator dry weight-2600 Kg CWPL 7 Civil Works: Dimension (LXW)ft- (9'-0"X4'-0")ft, Depth, D-6linch CLIENTS Load 10, 500 1 10,500 1 10,50	3.2	Exhaust Bends/Elbow	Long radius 90 deg MS L bow 4" bore 3-4mm		Pcs	1	1,010	1,010	
Exhaust Heat Insulation (25.4mm min thickness) along with 26SWG Job 1 10,500 10,500	3.3	Exhaust Flange	Welding neck flange 4" dia		Pcs	5	665	3,325	
4.1 Radiator Ducting	3.4	Exhaust Heat Insulation	(25.4mm min thickness) along with 26SWG Aluminium sheet clading.		Job	1	10,500	10,500	
W X H - (2'X4'); L -3' (Approx.)	Cimoco	Carried Color of States			Job	1	9,000	9,000	
As per layout with 20/22 SWG MS sheet, Angle bar, flat bar support, Canvas cloths, iron net mesh etc. Sq.ft 40 315 12,600	4	Cooling System:							· ·
5.1 Radiator Coolant Havoline Premixed Coolant Liter 22 250 5,500 5.2 Lube oil SAE 15 W 40 Liter 20 485 9,700 5.3 Battery electrolyte Specific gravity 1250 Liter 10 75 750 5.4 Diesel Fuel for commissioning 60% (Approx.) of total fuel tank capacity Liter 240 92 22,080 6 DG On site delivery: Loading /Unloading/Lifting of 150kVA Generator dry weight-2600 Kg CWPL Job 1 - 7 Civil Works: Dimension (LXW)ft- (9'-0"X4'-0")ft, Depth, D-6Inch CLIENTS Ioh 1 -	4.1	Radiator Ducting	As per layout with 20/22 SWG MS sheet, Angle bar,	***	Sq-ft	40	315	12,600	
5.1 Radiator Coolant Havoline Premixed Coolant Liter 22 250 5,500 5.2 Lube oil SAE 15 W 40 Liter 20 485 9,700 5.3 Battery electrolyte Specific gravity 1250 Liter 10 75 750 5.4 Diesel Fuel for commissioning 60% (Approx.) of total fuel tank capacity Liter 240 92 22,080 6 DG On site delivery: Loading /Unloading/Lifting of 150kVA DG Generator dry weight-2600 Kg CWPL Job 1 - 7 Civil Works: Dimension (LXW)ft- (9'-0"X4'-0")ft, Depth, D-6Inch CLIENTS Ich 1	5	Commissioning Material:						13-12:15570X (6/1	
5.2 Lube oil SAE 15 W 40 Liter 20 485 9,700 5.3 Battery electrolyte Specific gravity 1250 Liter 10 75 750 5.4 Diesel Fuel for commissioning 60% (Approx.) of total fuel tank capacity Liter 240 92 22,080 6 DG On site delivery: CWPL Job 1 - - 6.1 DG CWPL Job 1 - - - 7 Civil Works: Dimension (LXW)ft- (9'-0"X4'-0")ft, Depth, D-6Inch CUENTS Ich 1 - -	5.1		Havoline Premixed Coolant		Liter	22	250	5,500	
5.3 Battery electrolyte Specific gravity 1250 Liter 10 75 750 5.4 Diesel Fuel for commissioning 60% (Approx.) of total fuel tank capacity Liter 240 92 22,080 6.D Gon site delivery: 6.1 Loading /Unloading/Lifting of 150kVA DG 7 Civil Works: Dimension (LXW)ft- (9'-0"X4'-0")ft, Depth, D- 6inch CLIENTS Ich 1	5.2				Liter	20	485		
5.4 Diesel Fuel for commissioning 60% (Approx.) of total fuel tank capacity 6 DG On site delivery: 6.1 DG 6 DG 7 Civil Works: Dimension (LXW)ft- (9'-0"X4'-0")ft, Depth, D-6Inch CLIENTS Liter 240 92 22,080 92 22,080 1	5.3	Battery electrolyte	Specific gravity 1250		Liter	10	75		
6.1 Loading /Unloading/Lifting of 150kVA Generator dry weight-2600 Kg CWPL Job 1 7 Civil Works: Dimension (LXW)ft- (9-0"X4-0")ft, Depth, D-6inch CLIENTS Ioh 1		Diesel Fuel for commissioning	60% (Approx.) of total fuel tank capacity		Liter	240	92	22,080	
DG Generator dry weight-2500 kg	6_								
7 Civil Works: 7.3 Generator Rase Dimension (LXW)ft- (9'-0"X4'-0")ft, Depth, D- 6Inch CLIENTS Ich 1	6.1		Generator dry weight-2600 Kg	CWPL	Job	1	-	1-	
	7								/
	7.3	Generator Base	Dimension (LXW)ft- (9'-0"X4'-0")ft, Depth, D- 6Inch RCC with NCF.	CLIENTS	Job	1	-	/-	Clinets will do.
Total (BDT) Excl VAT & AIT: /155,501			1		Total (BDT) Ex	CIVAT	& AIT:	155,501	
Special Discount: 10,885									
Grand Total (BDT) Excl VAT & AIT: / 144,616							CI VAT & AIT		

***All the necessary civil works will be done by client with the instruction of CWPL engineer.

51/07/17 DGM(1)

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CFO 2/7

CEO

Pre paid by: