

CROSS WORLD POWER LIMITED **BOQ of 1X140KVA DG INSTALLATION**

Client Name :- EVEREST WASHING PLANT Address :- KOSAI BAZAR, DOKHINKHAN, UTTARA

Gen Model: Alternator Model :
 Engine Model :
 Gen Model : Alternator Model :

SI No	Job Description	Tehcnical Details/ Brand	Scope Of Supply	Unit	Quantity	Unit Rate	Total Rate	Remarks
1 Electrical System:								
1.1	Power Cable (35 °C Ambient on air)	1 X 70mm NYY DG To MCOS	Customer	Meter	180	Customer	Customer	Quantity may change upon the panel position as well as cable laying route.
1.2	Power Cable Lugs	70mm , Material -Copper , Surface-Electro Tinned		Pcs	12	55	660	
1.3	PVC Flexible Pipe for Power & Control Cable	3" Dia		Meter	25	310	7,750	
1.4	Saddle for Flexible pipe	3" Dia		Pcs	40	20	800	
1.5	Royal Plug & Screw	1.5"		Pack	4	145	580	
1.6	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm) Flexible Cable		Meter (Approx.)	45	105	4,725	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Blue/Black)		Pcs	8	40	320	
1.8	PIB Tape			Pcs	1	575	575	
1.9	Cable Tie	L - 8"/10"		Pack	4	250	1,000	
1.10	Royal Bolts	10no.		Pcs	10	30	300	
1.11	Cable laying charge	Cable laying on existing ladder		Meter	180	55	9,900	If require any support or ladder, Customer will provide supply & installation
2 Generator Earthing :								
2.1	Earthing Boring	Earthing of electrical installation with 38.1 mm (1.5") dia G.I. pipe throughly (2swg earth electrode) having 6.35 mm dia holes across dia at 305 mm interval securely bonded with washer, nuts, bolts etc. sunk upto a depth of 100 ft with GIP pipe to		Job	N/A			Use existing earthing system
2.2	Earthing Copper Lead	Installation of solid copper wire earthing lead 2 SWG in 38.1 mm dia GI pipe & termination of connection at both end		Meter	N/A			
2.3	Earthing Cable	1 X 25 mm B7A (Green) from Earthing Copper bar to gen & equipment		Meter	10	450	4,500	
2.4	Earthing Cable lugs	25mm Material -Copper , Surface-Electro Tinned		Pcs	5	35	175	
2.5	Earthing Block	Dimension LXWXD - 200mm X 25mm X 5mm with connection facility		Pc	1	2,750	2,750	
3 Exhaust System:								
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 4" ,thickness 4mm		Feet(Approx)	25	875	21,875	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow		Pcs	3	875	2,625	
3.3	Exhaust Flange	Joint socket 4" Bore		Pcs	10	625	6,250	
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 1mm Aluminium sheet cladding		Job	1	9,500	9,500	
3.5	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	8,750	8,750	
4 Cooling System:								
4.1	Radiator Ducting	WXH (ft) = 2.1X2.1, L (ft) = 20 As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloths, Iron net mesh etc		Sq-ft	N/A			Canopy will front exit (as per DWG)
5 Commissioning Material:								
5.1	Radiator Premixed Coolant	Havoline		Liter	45	250	11,250	
5.2	Lube oil	SAE 15 W 40		Liter	20	420	8,400	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	65	650	
5.4	Diesel Fuel for Test Run	50% of total fuel tank capacity		Liter	200	80	16,000	
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight-1350 Kg		Job	1	-	-	
7 Civil works:								
7.1	Generator foundation	Dim L X W X H (ft) - (12.5X5.5ft. Depth, D- 6" RCC with NCF.		Job	1	-	-	Use existing floor
							Total (BDT):	119,335
							Special Discount:	14,395
							Grand Total (BDT)	105,000

All the necessary civil works will be done by client with CWPL Engineer instruction & Ventilation system customer will maintain as per our given drawing.

Handwritten notes and signatures:
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 V. Sahel
 14/12/2019
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