CROSS WORLD POWER LIMITED BOQ OF 2X100kVA GENERATOR INSTALLATION



Client Name : Summit Communication Ltd. Address : Paltan

	2.5 Earth	2.4 Earh	2.3 Earth	2.2 Earth	2.1 Earth	2 GEN	1.12 Supp	1.11 with profacility.	1.10 fixing	1.9 Pow	1.8 Cabl	1.7 PIB Tape	1.6 PVC	1.5 Roya	1.4 PVC	1.3 Cont	1.2 Pow	on an	1.1	Can	1 ELE	SINO
TEM for DG 1 & 2:	Earth cable lugs	Earhting Block	Earthing Cable	Earthing Copper Lead	Earthing Boring	GENERATOR EARTHING SYSTEM	Supply, Installation & Commissioning of MCB panel with SP MCB	oise Axial Industrial Fan for Air Inlet oper connection and fixings and	500Liter Fuel Day Tank with proper piping, fixing and connection facility.	ble Laying and Execution Works	Cable Tie				PVC Flexible pipe	Control cable For Sensing	Power Cable Lugs		IOI Fower Cable (35 C Allibert		ELECTRICAL INSTALLATION for DG 1& 2	Job Description
	16 rm .Material -Copper . Surface-Electro Tinned	Dimension LXWXD - 20mm X 5mm or equivalent with connection facility	1 X 16rm BYA(Green) from Earling Copper bar to gen & equipment	Installation of solid cooper wire earthing lead 2SWG in 38.1 mm dia GI pipe & termination of connection at both end.	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 securedly bonded with washer, nuts, bolts etc. sunk upto a depth of 100 ft with GI pipe to attain earth ressistance <1 ohm including blind socket for water pouring facility.		32A, SP, 50Hz, with necessary relay, timer on/off switch etc. Required to operate the fan automatically start/stop.	24" Dia., SP, 10000CFM, SPL- 85dBA @ 3meter	Dimension (LXWXH)mm - (650 X 650 X 1200)mm	4X50rm NYY Running Length (Appx.) meter-TBA	L-8"/10"		Adhesive Tape 04 color (Red/Yellow/Black/Blue)	10 No.	2" Ø	4 X 1.2 rm (40/0.19 mm) Flexible Cable Required cable qty 2XLength between DG to ATS	50 rm , Material -Copper , Surface-Electro Tinned	4 X 50rm NYY ATS to Load	4 X 50rm NYY LT to ATS	4 X 50rm NYY DG to ATS	2	Tehcnical Details/ Brand
	CWPL	CWPL	SCL	SCL	SCL		SCL	CWPL	CWPL	CWPL	CWPL	CWPL	CWPL	CWPL	CWPL	SCL	CWPL	SCL	SCL	SCL		Scope Of Supply
		Pc		Meter(Approx)	Job		Unit	Set		Meter(Approx)	Pack		Pcs		Meter(Approx)	Meter(Approx)	Pcs		Meter(Approx)			Unit
	10	2	20	70	N		_	_	_	1	5	2	12	20	TBA	N/A	26		N/A			Quantity
	20	2,256						35,000	25,000	60	153	388	27	27			40					Unit Rate
	200	4,512		4				35,000	25,000		765	776	324	540			1,040					Total Rate
				To a coming rocanon.	Taking Earth Bar position adjacent to DG Room. Qty may vary					Unit Sale						Taking ATS position in DG Room. As per client, they will manage these arrangements.	arrangements.	manage these	As per client, they will			Remarks

*** All the nec		5.1 DG E	5 CIVII	4.1 Fresi	4.1 Radi	4.1 Radi	4 000	3.5 Exha	3.4 Exha	3.3 Exha	3.2 Exha	3.1 Exha
essary civil works will be done		Fresh air Ducting for DG 1 & 2 CIVIL WORKS: DG Base construction/Modification			Radiator Ducting for DG 2	Radiator Ducting for DG 1	COOLING SYSTEM for DG 1 & 2:	Exhasut Fitting	Exhaust Heat Insulation	Exhaust Welding Socket	Exhaust Bends /Elbow	Exhaust Silencer straight Pipe
*** All the necessary civil works will be done by client with the instruction of CWPL engineer.		Existing DG Base Dimension (LXW)ft- (10.9X5)ft, Depth, D-6 Inch RCC with NCF.		As per layout with 20/22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth, iron net mesh etc. Duct dimension (WXD)ft- (2.5X2)ft, Running Length, L- 26ft (Approx.)	As per layout with 20/22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth, iron net mesh etc. Duct dimension (WXD)ft- (2.4X2)ft, Running Length, L- 35ft (Approx.)	As per layout with 20/22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth, iron net mesh etc. Duct dimension (WXD)ft- (2.4X2)ft, Running Length, L- 50ft (Approx.)		All bracket, support must be made with MS angle 50X50X 4, 5 & 6 MM with necessary fixings.	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet clading.	MS, Bore 3"	Long radius 90 deg L bow bore 3" ,thickness 3~4mm	MS Pipe bore 3", thickness 3~4mm
		SCL		CWPL	CWPL	CWPL		CWPL	CWPL	CWPL	CWPL	CWPL
	Gran	Job			Sq-ft(Approx)				Job	- 03	D	Feet(Approx)
	Grand Total (BDT):	2	308			440		2	2	14	8	87
-	1			235	235	235		7,500	4,500	411	528	469
1	373,708	/		54,990	72,380	103,400		15,000	9,000	5,754	4,224	40,803
	/	As per client, already done.			Qty may vary upon the duct running length. Duct and silencer pipe height will be 25ft(Approx.) from EGL.			15,000 44 Feet Per DG sets				Qty. may change upon the exhaust furne discharge point. Qty. been taken as per Revised Layout.

Approved as pour

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