Losung Power Engineering

Priced Bill of Quantities (BOQ)

Unit Rate Basis

Estimate by the Procuring Entity

Item No.	Group	Item Code (If any)	Description of Items of Works (specifications preferably built-in)	Unit	Quantity	Unit rates or prices (in figures) (BDT)	Unit rates or prices (in words) (BDT)	Amount (in figure) (BDT)	Amount (in words) (BDT)	I have seen
1	N/A	Approved Rate	Supply, installation, testing and commissioning early streamer emission Air Terminal (ESEAT)/ Collection Volume Method (CVM) as per IEEE 998-2012 or equivalent product having the following technical specification ? I. Withstand Peak Lightning Current : 200 KA II. Weather condition of work : Material of lightning Air Terminal should be able to work in any environmental condition. So, material of Air Terminal should be stainless steel. III. Dimension of the air terminal : IV. Minimum length : 220 mm 25mm dia solid rod at the bottom of the Air Terminal having M20 male thread to fix on mast. V. Certified advance Time : Maximum 60µ second with a current peak higher than 200ka.. VI. Material of the Air Terminal : Stainless steel VII. Weight : 2.25 - 2.50 kg. VIII. Radius of protection : 79-107 meter at 5 meter height from the plan. IX. Product certification and standards: System should compliant to UL-96 (lightning protection component) (standard of safety) X. Manufactured / Assembled and made in: USA / FRANCE or EU countries.	No.	1.000	310443.000	Three Lakh Ten Thousand Four Hundred And Forty-Three	310443.000	Three Lakh Ten Thousand Four Hundred And Forty-Three	I have seen
2	N/A	Approved Rate	Supply and installation of insulated Air Terminal mast of the following specification - Length : 2300 mm, Dia : 30mm The mast shall be fixed on the top of the GI tower with SS nuts bolts, clamps as per sample approved by the Engineer-in-charge,	No.	1.000	17884.000	Seventeen Thousand Eight Hundred And Eighty-Four	17884.000	Seventeen Thousand Eight Hundred And Eighty-Four	I have seen
3	N/A	Approved Rate	Supply and installation of lightning event counter of the following technical specification - Register capacity : 0-999999 mechanical counting without external power supply (LCD display). The down conductor shall pass the hole of the counter and the same shalt be fixed vertically at any point.	No.	1.000	49389.000	Forty-Nine Thousand Three Hundred And Eighty-Nine	49389.000	Forty-Nine Thousand Three Hundred And Eighty-Nine	I have seen

4	N/A	Approved Rate	Supply and installation of earth test box with the following arrangement inside it. Test Joint : (79mm x 50mm x 20mm) made of copper. 30mm x 2mm and dia 8mm, line coupling made of copper.	No	1.000	1503.000	One Thousand Five Hundred And Three	1503.000	One Thousand Five Hundred And Three	I have seen
5	N/A	Approved Rate	Supply and drawing of copper made down conductor having dia l2.7 mm or copper strip (30mmx2mm) with fixing holder on vertical and horizontal surface. The fixing shall have 40mm to 50mm length or height and will be placed 3 nos per meter as per direction and sample approved by the Engineer-in-charge.	meter	60.000	2261.000	Two Thousand Two Hundred And Sixty-One	135660.000	One Lakh Thirty-Five Thousand Six Hundred And Sixty	I have seen
6	N/A	Approved Rate	Construction of GI tower with the following specification - GI Pole: Length: 40 '(L-20', D-3"; L-20', D- 2") duly painted with powder coating with epoxy polyester resin . There will be minimum six Guy-wire for erection of the pole properly. The base of the pole and guy will be installed by CC on the roof-top and the size will be as required to hold the pole at any circumstances.	no.	1.000	13252.000	Thirteen Thousand Two Hundred And Fifty-Two	13252.000	Thirteen Thousand Two Hundred And Fifty-Two	I have seen
7	N/A	Approved Rate	Construction of earthing (2 nos.) for the lightning arrester as per instruction and enclosed diagram (Fig:4.21) and as per direction of the Engineer in the following way I. Soil digging : Size 3000mm*400mm*400mm (2 nos) II. Construction of pit by brick and RCC slab on it. On the top of the slab there will be a hole and a pit cover made by cast iron will be fixed on it. III. Size of the pit : (600mmx600mmx600mm) (2 nos.) IV. Copper plate : (300mmx l50mmx l5mm) (2 nos.) Copper plate will be fixed with the electrode (copper rod or copper strip) by necessary fixing materials made of copper. V. Copper electrode (l2.7mm dia copper rod or copper strip (30mmx2mm) Length of the copper rod or strip : minimum 3000mm (10+10) = 20 meter. VI. Ground enhancing materials (40 + 40) = 80 kg. (2 Nos. of earthing is considered 1 set)	Nos.	1.000	153381.000	One Lakh Fifty-Three Thousand Three Hundred And Eighty-One	153381.000	One Lakh Fifty-Three Thousand Three Hundred And Eighty-One	I have seen
8	N/A	Approved Rate	Surge protection device (SPD) for protection of over-head line connected to LT line. Capacity : 50 KA 4-pole with wiring and SPD box. Made in GERMANY / AUSTRALIA / SPAIN or product of EU	nos.	1.000	54297.000	Fifty-Four Thousand Two Hundred And Ninety-Seven	54297.000	Fifty-Four Thousand Two Hundred And Ninety-Seven	I have seen
9	N/A	Approved Rate	Supply and installation of Aviation light fittings with LED Lamp. day light sensor. Wiring by lC-2x 1.55 sq.mm cable (NYY) with ECC as per instruction and sample approved by the Engineer-in-charge. The Aviation Light fining shall be	nos.	1.000	10829.000	Ten Thousand Eight Hundred And Twenty-Nine	10829.000	Ten Thousand Eight Hundred And Twenty-Nine	I have seen

			fixed on GI pipe (GI Bracket) with necessary fixing materials shown in the fig - 4.22, below the Air Terminal.							
10	N/A	Approved Rate	Supply and installation of conductor IC- 1 x 95 sq. mm (NYY) single core as per direction and sample approved by the Engineer-in-charge.	meter	60.000	2261.000	Two Thousand Two Hundred And Sixty-One	135660.000	One Lakh Thirty-Five Thousand Six Hundred And Sixty	I have seen
11	N/A	Approved Rate	Supply and installation of Surge protection device (SPD) for Max. frequency: 500 MHz, Max. POE power (4PPOE): 90 W, Max. discharge current max. withstand @ 8/20 µs, 8XC (1&2+3&6+4&5+7&8 to Earth) : 16 A, Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line) < 20 V, Protection Level C3 (10/1000µs), 300 applications @ 10A, (Pair-Pair, POE) < 100 Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth) : 500 A Nominal discharge current C1 (1.2/50us / 8/20µs), 300 applications, X-C (Pair-Pair, POE) : 200 V / 100 A, Capacitance@1MHz, X-C (Line/Earth), Made in GERMANY / AUSTRALIA / SPAIN or product of EU Countries.	nos.	1.000	54297.000	Fifty-Four Thousand Two Hundred And Ninety-Seven	54297.000	Fifty-Four Thousand Two Hundred And Ninety-Seven	I have seen
12	N/A	Approved Rate	Supply and installation of Surge protection device (SPD) for Lightning Protection Zones (LPZ) : 0 ? 3 Max. frequency, in the channel : 100 MHz Impulse current D1 (10/350µs), 2 applications, 8X-C (1&2+3&6+4&5+7&8 -Earth) : 500 A AMBIENT MIN : -40, Pinout : (1-2)(3-6)(4-5)(7-8) Made in GERMANY / AUSTRALIA / SPAIN or product of EU Countries.	nos.	1.000	54298.000	Fifty-Four Thousand Two Hundred And Ninety-Eight	54298.000	Fifty-Four Thousand Two Hundred And Ninety-Eight	I have seen
							Grand Total:	990893.000	Nine Lakh Ninety Thousand Eight Hundred And Ninety-Three	

This Priced Bill of Quantities (BOQ) is Electronically Signed by Mr. K. M. Siddique on behalf of Losung Power Engineering

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Tenderer's Quoted Price

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Total Estimated Cost (BDT)	Percentage (-5% to +5%)	Offered Amount (in figures) (BDT)	Offered Amount (in words) (BDT)
990893.000	-5.000	941348.350	Nine Lakh Forty-One Thousand Three Hundred And Forty-Eight Point Three Five
	Grand Total:	941348.350	Nine Lakh Forty-One Thousand Three Hundred And Forty-Eight Point Three Five

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