



BILL OF QUANTITY:-

Piece mark	Size/description	Quantity (nos.)	Length mm	Unit wt. kg/m or kg/m ²	Weight per piece kg	Total Weight kg
1.1A, 2.2A, 3.3A	250 NB PIPE	6	2964	38.9	115.30	691.80
4	12 thk. Plate	6	450 x 450	94.2	19.08	114.46
4A	12 thk. Plate	6	450 x 450	94.2	19.08	114.46
5	6 thk. Plate	48	113 x 150	47.1	0.80	38.30
6	L 75x75x6	48	100	6.8	0.68	32.64
7	12 thk. Plate	6	450 x 450	94.2	19.08	114.46
8	6 thk. Plate	36	113 x 200	47.1	1.06	38.30
9	6 thk. Plate	12	113 x 200	47.1	1.06	12.77
10	ISMC 100x50	12	450	9.56	4.30	51.62
11	12 thk. Plate	3	243 x 390	94.2	8.93	26.78
12	12 thk. Plate	6	243 x 540	94.2	12.36	74.17
					Sub total	1308.76

HARDWARES:-

Hardware name	Unit wt. (kg)	Quantity (nos.)	Total wt. (kg)
M12 dia x 40 LG (for earth flat fixing)	0.066	48 + 6	3.498
M16 dia x 45 LG	0.133	144 + 14	21.014
M12 dia x 2.5thk sp.washer	0.006	48 + 6	0.318
M16 dia x 3.5 thk sp. washer	0.009	144 + 14	1.408
Total			26.240

FOUNDATION BOLT DETAILS:-

Hardware name - M24x300MM LG	Unit wt.(kg)	Quantity (nos.)	Total wt. (kg)
MS Round bolt	2.845	1	2.845
Standard nut	0.105	2	0.210
Lock nut	0.010	1	0.010
Washer	0.244	1	0.244
Anchor plate	0.32	1	0.320
Total weight (1 NO)			3.63
Total weight (6 PIPE STRUCTURES X 4 NO. OF BOLTS)			87.096

Summary of weights:-

Weight of Structure: 1308.76 kg
 Weight of Hardware: 26.24 kg
 Weight of Foundation bolts: 87.10 kg
Total Weight: 1424.00 kg

BUS HEIGHT FROM PL	5900
EQUIPMENT HEIGHT UP TO CL OF BUS	2800(2685+115)
HENCE, SUPPORTING STRUCTURE HEIGHT	3100
EQUIPMENT MAKE	SIEMENS HYDERABAD LTD.
EQUIPMENT DRG No.	(3)G7IBSC-E0082-2003-0
EQUIPMENT DRG No. (WITH TWO E/S)	(3)G7IBSC-E0082-2004-0

- NOTES:-**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - THE STRUCTURAL PIPE SHALL CONFORM TO IS: 1161-1998 (YST = 210N/mm)
 - ALL WELDS ARE 6MM FILLET CONTINUOUS WELD UNLESS OTHERWISE SPECIFIED.
 - WELDING SHALL BE DONE AS PER IS : 816 (LATEST REVISION) OR ELECTRIC WELD.
 - ALL FABRICATION MATERIALS INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANISED AS PER SPECIFICATION. MIN. COATING THICKNESS SHALL BE 610 g/m² FOR PIPE STRUCTURES AND 300 g/m² FOR FASTENERS SPRING WASHER SHALL BE ELECTRO GALVANISED AS PER IS:1573-1986 SERVICE GRADE 2.
 - ALL BOLTS NUTS AND LOCK NUTS SHALL CONFORM TO REQUIREMENTS OF INDIAN STANDARD SPECIFICATION IS : 1363/1367 (LATEST REVISION)
 - ALL BOLT HOLES ARE 17.5# FOR M16 BOLTS UNLESS NOTED OTHERWISE.
- THE FABRICATION DRAWING IS ONLY TYPICAL & THE HEIGHT/MOUNTING & OTHER DETAILS SHALL BE MATCHED AS PER REQUIREMENT OF EQUIPMENT.