

SYAMA PRASAD MOOKERJEE PORT, KOLKATA
HALDIA DOCK COMPLEX

ADDENDUM - I

CORRECTIONS / ADDITIONS / DELETIONS, ETC.

[Total Number of Pages: 02]

E-Tender No. SDM-PE/T/02/2023-2024

for

“DESIGN, SUPPLY, DELIVERY, ERECTION AND COMMISSIONING OF LATTICE TOWERS AT DIFFERENT LOCATIONS OF HALDIA DOCK COMPLEX, SMP, KOLKATA”

NOTE :

1. This “Addendum-I” should be read in conjunction with ‘Bidding Document’ (including Notice Inviting e-Tender).
2. Consequential changes, arising out of this Addendum-I, will be deemed to have been effected, even if the same were not incorporated specifically in the Bidding Document.
3. All other terms and conditions of the Bidding Document (including Notice Inviting e-Tender), will remain unchanged.

Addendum -I

[E-Tender No. SDM-PE/T/02/2023-2024]

Sl. No.	Page No.	Reference	As specified in the Bidding Document	To be read as / Remarks
SECTION – VI (SCOPE OF WORK)				
1.	Pg. No. 26	Clause no. 6.1.3	Soil investigation : Soil investigation to be carried out by the Contractor in the location of installation of new lattice tower. One copy of the soil investigation report to be submitted to HDC.	Soil investigation: Soil investigation would be carried out by the Contractor in all the locations of installation of new lattice towers. Copies of the soil investigation report would be submitted to HDC.
2.	Pg. No. 26	Clause no. 6.1.5	Supply : The contractor should supply all structural steel items and materials related to civil foundation. All such items should remain at the custody of the Contractor. Proper store and office facilities to be maintained by the Contractor to prevent any loss/damage of the supplied materials.	Supply : The contractor should supply all structural steel items and materials related to civil foundation. All such items should remain at the custody of the Contractor. Proper store and office facilities to be maintained by the Contractor to prevent any loss/damage of the supplied materials. Preferred Make of raw material of structural steel for the proposed tower shall be Jindal/SAIL/TATA/RINL.
3.	Pg No. 111-112	Clause no. 9.33 <u>SECTION - IX</u> SPECIAL CONDITIONS OF CONTRACT (SCC)	Inspection & Testing	The following to be added: One sample/prototype tower out of the proposed 21 towers shall be assembled on ground horizontally at the factory after manufacturing and before galvanization for checking as per approved drawing. This assembly shall be inspected by the tenderer or their authorized representatives.
4.	Pg No. 7	Clause no. 3.11.ii) Closing date & time of submission of e-Tender Tender at https://kopt.enivida.in	16.05.2023, up to 15:00 Hrs. (IST).	29.05.2023, up to 15:00 Hrs. (IST).
		Clause no. 3.11.iv) Date & time of opening of Part-I (Techno-commercial Bid).	16.05.2023, 15:30 Hrs. (IST) onwards.	29.05.2023, 15:30 Hrs. (IST) onwards.

Sl. No.	Page No.	Reference	As specified in the Bidding Document	To be read as / Remarks
5.	Pg No. 1	Short E-tender Notice	Date, time and venue of Pre-Bid Meeting (offline).	12.05.2023 at 11:00 Hrs (IST). Office of Sr. Dy. Manager (P&E); Chiranjibpur; P.O. Haldia; Dist. Purba Medinipur; PIN: 721 604; West Bengal; India
	Pg No. 6	Clause no. 3.10		

SYAMA PRASAD MOOKERJEE PORT, KOLKATA
HALDIA DOCK COMPLEX

[E-Tender No. SDM-PE/T/02/2023-2024]

QUERIES OF DIFFERENT FIRMS IN CONNECTION WITH THE PRE-BID MEETING HELD ON 24.04.2023 and HDC, SMPK'S CLARIFICATIONS THEREOF.

SUBJECT:

“DESIGN, SUPPLY, DELIVERY, ERECTION AND COMMISSIONING OF LATTICE TOWERS AT DIFFERENT LOCATIONS OF HALDIA DOCK COMPLEX, SMP, KOLKATA”

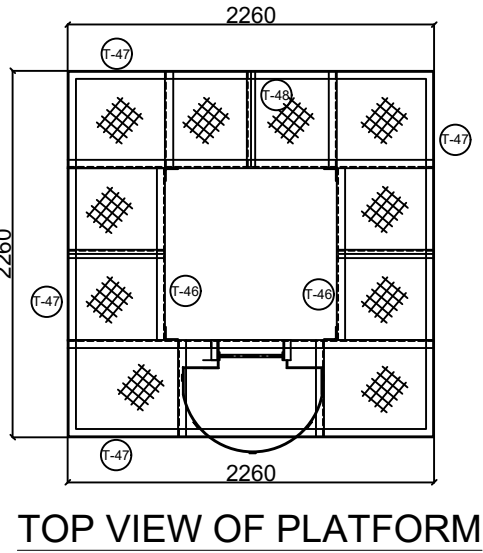
Sl. No.	Reference _Description as per Bidding Document.		Queries of the firms	HDC, SMPK's Clarifications
	Reference Clause/ Section/Page no.	Description		
1.	Clause no. 6.1.1, (Page no. 26)	<p>SECTION - VI</p> <p>SCOPE OF WORK</p> <p>Design :</p> <p>Design of lattice towers with 25 meter height & 04 (four) legs, including civil foundation to be submitted by the Contractor along with design calculation. Tentative drawing for structural part and civil foundation is attached with the Tender Document for reference only. During design, maximum Wind speed (200 km/hr.) and soil investigation report to be considered. Lattice towers should have maintenance ladder, intermediate platforms, provision for fittings of CCTV camera & luminaries, earthing etc. Total weight of the structure excluding fasteners should be minimum 3200 kg.</p>	Reference drawing for 25 mtr tower along with foundation plan provided by HDC - SMP	Tentative drawing for structural part and civil foundation is attached. However, Contractor will design the civil foundation & drawing for the structural part and submit for approval from Competent Authority based on the soil condition, as per actual wind speed.

2.	Clause no. 6.1, (Page no. 26)	SECTION - VI SCOPE OF WORK Preamble: Haldia Dock Complex intends to procure and install 21 no. lattice towers in and around dock area for installation of CCTV Cameras, light fittings other accessories etc. Scope of Work for design, supply, delivery, erection and commissioning of such lattice towers is given below.	Location of the proposed towers shall be provided by HDC-SMP authority near dock area, both inside and outside of the dock area.	The Lattice towers are to be installed both inside and outside of the dock area. The exact locations for installation would be intimated in due course, after placement of LOA (work order).
			The location of the towers to be erected shall be within a radius of 5 kms of the dock area.	
3.	Clause no. 6.1.3, (Page no. 26)	SECTION - VI SCOPE OF WORK Soil investigation : Soil investigation to be carried out by the Contractor in the location of installation of new lattice tower. One copy of the soil investigation report to be submitted to HDC.	Boreholes to be done and soil testing to be conducted for all proposed tower locations.	Please see ' Addendum-I ' issued.
4.	Clause no. 6.1.2, (Page no. 26)	SECTION - VI SCOPE OF WORK Drawing : Drawing of Lattice towers & Civil foundation to be prepared and submitted by the contractor based on above design. Design consideration and calculation to be submitted along with submission of drawing. Fabrication, civil work etc. should be carried out based on approved drawings. After commissioning, "as made" drawing to be submitted by the contractor.	Design drawings for the proposed towers shall be submitted to the client. Approval of the said drawings shall be the responsibility of HDC-SMP.	Tender condition will prevail.

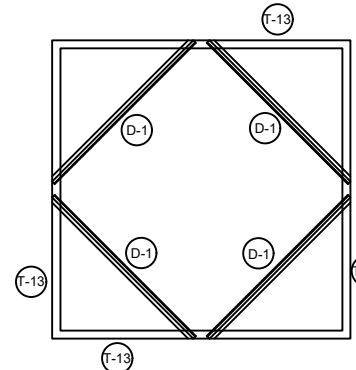
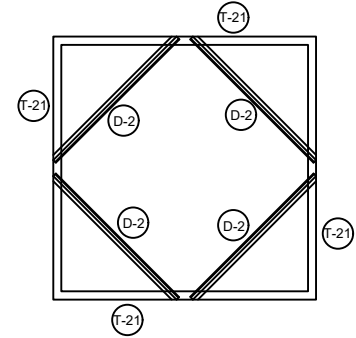
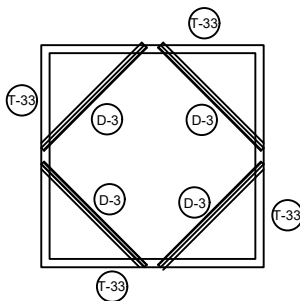
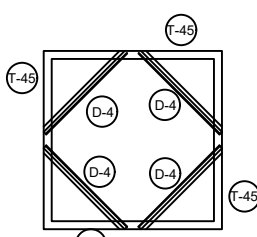
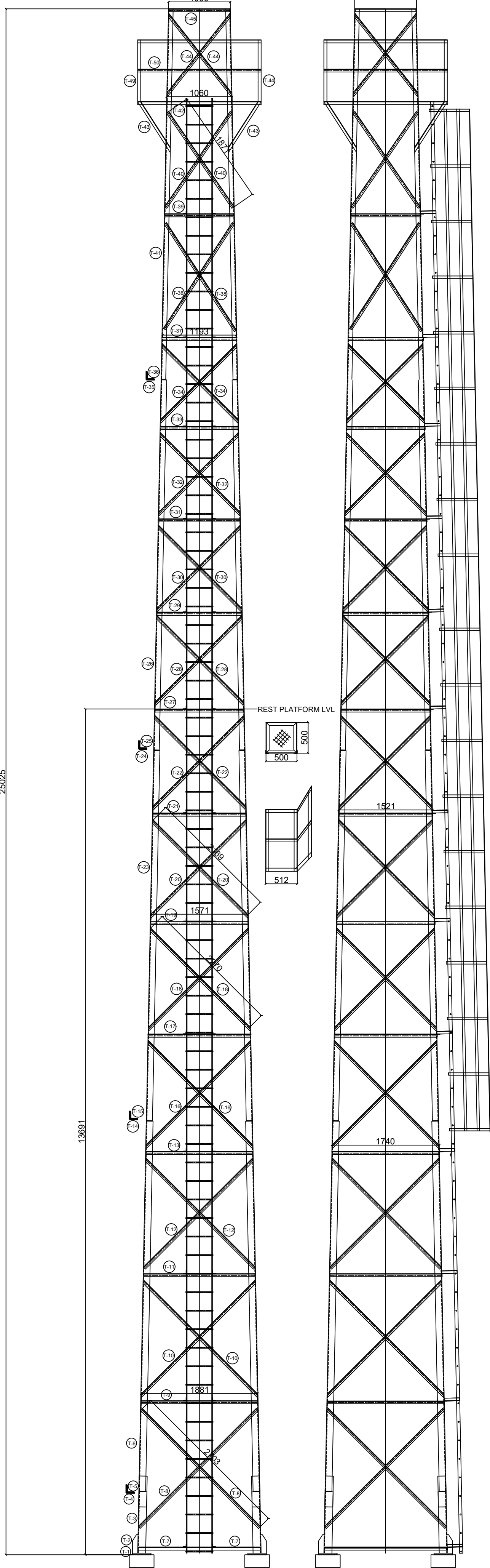
5.	Clause no. 6.1.5, (Page no. 26)	<p>SECTION - VI</p> <p>SCOPE OF WORK</p> <p>Supply : The contractor should supply all structural steel items and materials related to civil foundation. All such items should remain at the custody of the Contractor. Proper store and office facilities to be maintained by the Contractor to prevent any loss/damage of the supplied materials.</p>	<p>Make of raw material of structural steel for the proposed tower shall be Jindal/SAIL/TATA/RINL or equivalent.</p>	<p>Necessary incorporation have been done. Please see ‘Addendum-I’ issued.</p>
6.	Clause no. 6.22.3, (Page no. 30)	<p>SECTION - VI</p> <p>SCOPE OF WORK</p> <p><u>Detailed Technical Specification:</u></p> <p>Galvanizing :</p> <p>The galvanized surface shall be smooth and free from all irregularities and imperfections. All Angles, Channels & Flats shall be Hot Dip Galvanized, having minimum coating thickness of 120 micron.</p>	<p>Thickness of hot dip galvanization shall be 120 microns, which is already specified at page no. 32, sl.no.6.22.3 of tender documents.</p>	<p>Tender condition will prevail.</p>
7.	Clause no. 2.1.2, (Page no. 2)	<p>MINIMUM ELIGIBILITY CRITERIA (MEC):</p> <p>The bidder must have experience of having successfully completed “Similar Work” [defined below] during last seven (7) years, ending last day of month previous to the one in which tenders are invited, and the experience must be either of the following:</p> <p>a) One similar completed work of contract value not less than ₹ 37,91,044.00 or</p> <p>b) Two similar completed work of contract value not less than ₹ 73,65,172.50 each or</p> <p>c) One similar completed work of contract value not less than ₹1,17,84,276.00.</p>	<p>HDC SMP asked Rainbow to submit past references for similar work. We are attaching previous order references wherein we have supplied similar Lattice Towers to WBSETCL for high voltage transmission lines.</p>	<p>Tender condition will prevail.</p>

	Clause no. 2.1.2, (Page no. 2)	Note: The bidder should upload the scanned copies of work order(s) for similar work, successful completion certificates (with performance) from clients, indicating the date of completion, value of work done, etc.		
8.	Clause no. 6.23, (Page no. 30)	<p>SECTION - VI</p> <p>SCOPE OF WORK</p> <p><u>Detailed Technical Specification:</u></p> <p>Civil Foundation :</p> <p>Design and construction of RCC Foundation for 25 Mtrs. Long four legs Lattice Tower considering soil Bering capacity at site as 5Ton/Sq.Mtrs. At 2.5Mtrs. Depth from existing ground level, including excavation of earth(after strengthening of soil condition by removing slushy materials and replacing by silver sand and compacting thereafter to make the base suitable for Lattice Tower foundation), Double Layer brick soiling, PCC, Supply of foundation accessories consisting required numbers of foundation bolts ,Nuts, Washers, Anchor Plates, Template etc. in complete and PVC pipe of suitable size for cable entry; ,supply of foundation accessories like cement, reinforcement steel bars, bricks, sand, stone chips, shuttering materials labour required for RCC foundation, refilling of earth up to the existing ground level after curing. The design foundation of Lattice Tower shall be based on IS:875 &IS:456.</p>	Concrete work for tower foundations shall be done by batch mixing with approval from HDC SMP.	Tender condition will prevail.
9.	Clause no. 9.24, (Page no. 103 - 104)	<p><u>SECTION - IX</u></p> <p>SPECIAL CONDITIONS OF CONTRACT (SCC)</p> <p>Supply of Water and Electricity</p>	Electricity and water shall be provided at site on chargeable basis by HDC SMP	Tender condition will prevail.

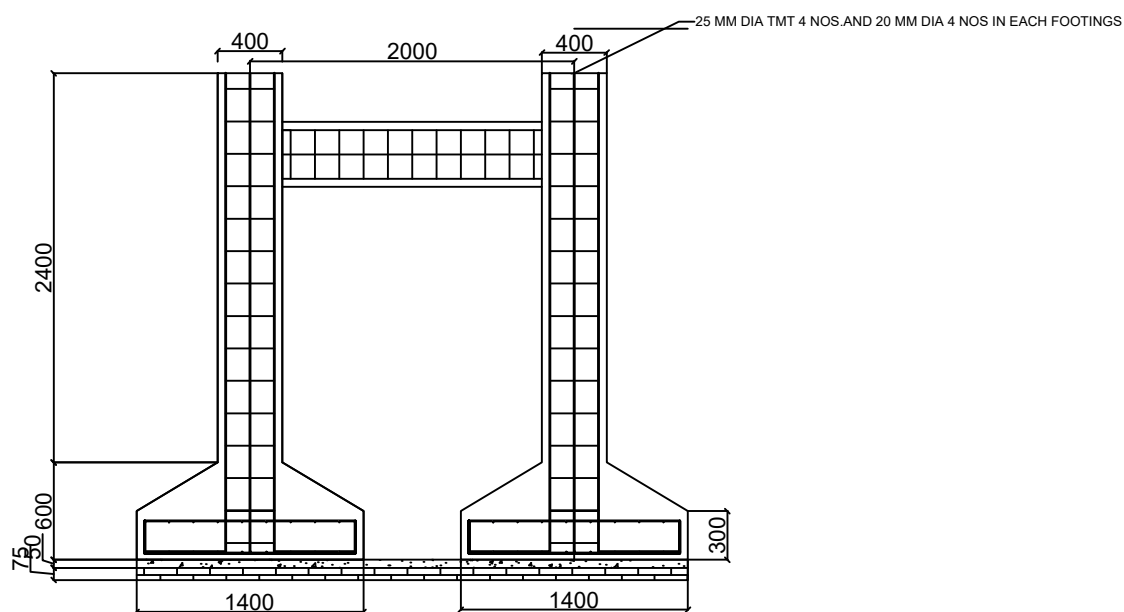
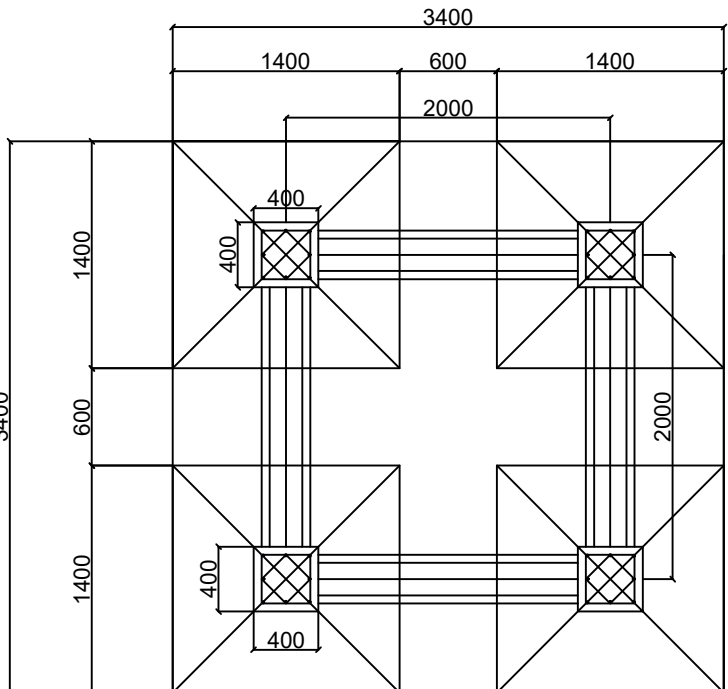
10.	Clause no. 9.24, (Page no. 102 - 103)	<u>SECTION - IX</u> SPECIAL CONDITIONS OF CONTRACT (SCC) Access to site	HDC SMP informed Rainbow representatives that entry permits to site for manpower, machinery and material can be easily obtained.	Tender condition will prevail.
11.	Clause no. 9.33, (Page no. 111-112)	<u>SECTION - IX</u> SPECIAL CONDITIONS OF CONTRACT (SCC) Inspection & Testing	One sample/prototype tower out of the proposed 21 towers shall be assembled on ground horizontally at the factory after manufacturing and before galvanization for checking as per approved drawing. This assembly shall be inspected by the tenderer or their authorized representatives.	Necessary incorporation have been done. Please see ' Addendum-I ' issued.



25025



BILL OF MATERIALS								
SR	MARK NO	SECTION	WIDTH (MM)	LENGTH (MM)	UW (Kg)	WEIGHT/ PC(KG)	TOTAL QUANTIT	TOTAL WEIGHT (KG)
1	FD/BOLT	32 MM DIA		1200	3.85	4.62	16	73.92
2	T-1	25 MM PL	300	300	196.25	17.66	4	70.65
3	T-2	10 MM PL	85	300	78.5	2.00	8	16.01
4	T-3	ISA 130X130X10		1000	19.70	19.70	4	78.80
5	T-4	10 MM PL	130	500	78.5	5.10	8	40.82
6	T-5	ISA 110X110X8		500	13.40	6.70	4	26.80
7	T-6	ISA 110X110X8		6000	13.40	80.40	4	321.60
8	T-7	ISA 50X50X6		1980	4.5	8.91	4	35.64
9	T-8	ISA 50X50X6		2703	4.5	12.16	4	48.65
10	T-9	ISA 50X50X6		1880	4.5	8.46	4	33.84
11	T-10	ISA 50X50X6		1880	4.5	8.46	4	33.84
12	T-11	ISA 50X50X6		1799	4.5	8.10	4	32.38
13	T-12	ISA 50X50X6		2500	4.5	11.25	8	90.00
14	T-13	ISA 50X50X6		1720	4.5	7.74	4	30.96
15	T-14	10 MM PL	110	500	78.5	4.32	8	34.54
16	T-15	ISA 90X90X6		500	8.2	4.10	4	16.40
17	T-16	ISA 50X50X6		2375	4.5	10.69	4	42.75
18	T-17	ISA 45X45X4		1740	2.7	4.70	4	18.79
19	T-18	ISA 45X45X4		2270	2.7	6.13	8	49.03
20	T-19	ISA 45X45X4		1571	2.7	4.24	4	16.97
21	T-20	ISA 45X45X4		2169	2.7	5.86	8	46.85
22	T-21	ISA 45X45X4		1510	2.7	4.08	4	16.31
23	T-22	ISA 45X45X4		2070	2.7	5.59	8	44.71
24	T-23	ISA 100X100X8		6000	12.1	72.6	4	290.4
25	T-24	10 MM PL	100	500	78.5	3.93	8	31.40
26	T-25	ISA 90X90X6		500	8.2	4.10	4	16.40
27	T-26	ISA 90X90X6		6000	8.2	49.20	4	196.80
28	T-27	ISA 50X50X6		1435	4.5	6.46	4	25.83
29	T-28	ISA 45X45X4		1980	2.7	5.35	8	42.77
30	T-29	ISA 45X45X4		1370	2.7	3.70	4	14.80
31	T-30	ISA 45X45X4		1940	2.7	5.24	8	41.90
32	T-31	ISA 45X45X4		1310	2.7	3.54	4	14.15
33	T-32	ISA 45X45X4		1808	2.7	4.88	8	39.05
34	T-33	ISA 45X45X4		1270	2.7	3.43	4	13.72
35	T-34	ISA 45X45X4		1773	2.7	4.79	8	38.30
36	T-35	10 MM PL	100	500	78.5	3.93	8	31.40
37	T-36	ISA 80X80X6		500	7.3	3.65	4	14.60
38	T-37	ISA 45X45X4		1193	2.7	3.22	4	12.88
39	T-38	ISA 45X45X4		2080	2.7	5.62	8	44.93
40	T-39	ISA 45X45X4		1112	2.7	3.00	4	12.01
41	T-40	ISA 45X45X4		1871	2.7	5.05	8	40.41
42	T-41	ISA 80X80X6		6000	7.3	43.80	4	175.20
43	T-42	ISA 50X50X6		2260	4.5	10.17	4	40.68
44	T-43	ISA 50X50X6		1000	4.5	4.50	4	18.00
45	T-44	ISA 45X45X4		1624	2.7	4.38	8	35.08
46	T-45	ISA 45X45X4		1000	2.7	2.70	8	21.60
47	T-46	ISA 50X50X6		1060	4.5	4.77	2	9.54
48	T-47	ISA 45X45X4		2260	2.7	6.10	4	24.41
49	T-48	ISA 45X45X4		588	2.7	1.59	7	11.11
50	T-49	ISA 45X45X4		1000	2.7	2.70	8	21.60
51	T-50	ISA 45X45X4		2260	2.7	6.10	8	48.82
52	D-1	ISA 45X45X4		1230	2.7	3.32	4	13.28
53	D-2	ISA 45X45X4		1076	2.7	2.91	4	11.62
54	D-3	ISA 45X45X4		898	2.7	2.42	4	9.70
55	D-4	ISA 45X45X4		707	2.7	1.91	4	7.64
56	CP-1	5 MM CHQR PL	600	2260	47.1	63.87	1	63.87
57	CP-2	5 MM CHQR PL	730	1775	47.1	61.03	2	122.06
58	CPR	5 MM CHQR PL	500	500	47.1	11.78	1	11.78
59	LS	ISA 45X45X4		200	2.7	0.54	30	16.20
60	LADDER	FL 50X8		23600	3.14	74.10	2	148.21
61	RUNG	16 MM DIA ROD		420	1.58	0.66	80	53.09
62	SR-1	FL 40X4		3300	1.26	4.16	15	62.37
63	SR-2	FL 40X4		16500	1.26	20.79	5	103.95
TOTAL WT. STRUCTURE								3171.81
WT. OF FASTNERS								360.00
GRAND TOTAL								3531.81



- NOTES:
- ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
 - ALL HOLES ARE 13.5 MM DIA FOR M12 BOLTS EXCEPT BASE SECTION.
 - ALL SECTIONS USED SHOULD CONFORM TO IS:2062.
 - FABRICATION SHALL CONFORM TO IS: 802 (PART-II)
 - STRUCTURAL TUBE SECTION SHALL CONFORM TO IS:1161
 - ALL BOLTS SHALL BE OF GRADE 5.6 & SHALL CONFORM TO IS:1367
 - FOR FOUNDATION CONCRETE MIX SHALL BE 1:1:2 (M25) CONFORMING TO IS:456
 - ALL THE MATERIALS TO BE USED AS PER IS:2062 AND GALVANISED AS PER IS:2629

CLIENT :-							
PROJECT :-							
PREPARED BY :-							
TITLE :-	25 MTR GROUND BASE TOWER						
DRAWN :-	DS	CHKD. :-	DRG. No. SE/T/33M/01		SCALE :		
DATE :-	11-07-2022	APPD. :-	SHEET NO: 1 OF 1	SIZE: A1	REV.	00	
RELEASED FOR	<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> TENDER	<input type="checkbox"/> INFORMATION	<input checked="" type="checkbox"/> APPROVAL	<input type="checkbox"/> CONSTRUCTION		