

PERINCIAN HARGA

Proyek : PT. SIERAD GRAINS - FEEDMILL

Pekerjaan : FINISH PRODUCT STORAGE

NO.	JENIS PEKERJAAN	SATUAN	VOLUME	HARGA SATUAN (Rp)	JUMLAH HARGA (Rp)
	PEKERJAAN RANGKA BAJA				
	(Harga-harga sudah termasuk biaya fabrikasi pemasangan, pengangkutan ke site, shop drawing dsb-nya).				
-	WF 350 x 175 x 7 x 11 - kolom	kg	33,320	2,900	96,628,000
-	WF 350 x 175 x 7 x 11 - kuda-kuda	kg	29,760	2,900	86,304,000
-	WF 300 x 150 x 8.5 x 9 - kolom	kg	22,020	2,900	63,858,000
-	WF 300 x 150 x 8.5 x 9 - kuda-kuda	kg	66,060	2,900	191,574,000
-	WF 300 x 150 x 8.5 x 9 - pengaku (cut H beam)	kg	4,845	2,900	14,050,500
-	WF 200 x 100 x 5.5 x 8 - lintel	kg	512	2,900	1,484,800
-	WF 200 x 100 x 5.5 x 8 - eaves	kg	3,670	2,900	10,643,000
-	WF 200 x 100 x 5.5 x 8 - pengaku	kg	12,783	2,900	37,070,700
-	WF 200 x 100 x 5.5 x 8 - kolom	kg	4,608	2,900	13,363,200
-	WF 150 x 75 x 5 x 7 - kolom	kg			tidak termasuk
-	WF 150 x 75 x 5 x 7 - kuda-kuda	kg			tidak termasuk
-	Kanal C 150 x 65 x 20 x 3.2 - purlin	kg	90,606	2,900	262,757,400
-	Kanal C 150 x 65 x 20 x 2.3 - fascia frame	kg	29,508	2,900	85,573,200
-	Kanal C 150 x 65 x 20 x 3.2 - louvres holder	kg			tidak termasuk
-	Siku 80 x 60 x 6 - canopy frames	kg	1,452	2,900	4,210,800
-	Siku 50 x 50 x 6 - canopy frames	kg	1,012	2,900	2,934,800
-	Siku 50 x 50 x 5 - fascia frames	kg	9,642	2,900	27,961,800
-	Plat tebal 15 mm - base plate				
-	Plat tebal 12 mm - connection plate				
-	Plat tebal 12 mm - stiffener plate				
-	Plat tebal 10 mm - connection plate	kg	42,947	2,900	124,546,300
-	Plat tebal 10 mm - stiffener plate				
-	Plat tebal 8 mm - connection plate				
-	Plat tebal 8 mm - stiffener plate				
-	Plat tebal 8 mm - purlin holder				
-	Baut anker dia. 10 mm - panjang 80 cm dicor beton lengkap dengan mur dan ring plat	bh.			tidak termasuk
-	Baut anker dia. 16 mm - panjang 70 cm dicor beton lengkap dengan mur dan ring plat	bh.	400	22,500	9,000,000
-	Baut anker dia. 16 mm - panjang 60 cm dicor beton lengkap dengan mur dan ring plat	bh.	72	22,500	1,620,000
-	Baut (ITB) dia. 16 mm lengkap dgn mur dan ring plat.				
-	Baut (ITB) dia. 10 mm lengkap dgn mur dan ring plat.	kg	8,589	6,000	51,534,000
-	Baut (ITB) dia. 8 mm lengkap dgn mur dan ring plat.				
-	dia. 19 mm - wall bracing rods	kg	641	3,100	1,987,100
-	dia. 16 mm - wind bracing rods	kg	3,637	3,100	11,274,700
-	dia. 12 mm - sag rod lengkap dgn mur dan ring plat.	kg	4,780	4,500	21,510,000
-	dia. 19 mm - jarum keras	bh.	244	12,500	3,050,000
-	dia. 10 mm - jarum keras	bh.			tidak termasuk
-	Grouting tebal 25 mm.	m ²	50	500,000	25,000,000
	Total				1,147,936,800



**BILL OF QUANTITY
STRUCTURAL STEEL WORK**

Project : PT. NATIONAL STARCH & CHEMICAL PLANT

CANDRA SEKAWAN ANUGERAH

DESCRIPTION	UNIT	QTY	UNIT PR.(RP.)	AMOUNT (RP.)
PRODUCTION & STORAGE				
Structural Steelwork.				
Rates are to include for all fabrication work, making delivery, unloading, hoisting, erecting, fixing, cutting, drilling, welding, erecting bolts, machining and milling all bearing surfaces and ramming bolt holes where necessary.				
No allowance has been or will be made in any weight for rolling margin.				
Rates are to include for connection bolts, all necessary cleaning down and shop prime coating of surfaces before delivering to site and finish coating as specified ("PRIMTOP" paint or equivalent) after erection.				
1 HB 350X350X17X19 - Columns		N/A	N/A	N/A
2 HB 400X400X13X21 - Columns		N/A	N/A	N/A
3 WF 300X150X6.5X9 - Columns	Kg	14,994	2,750	41,233,500
4 300 x 150 x 6.5 x 9 WF (kg/m) - rafter	Kg	35,280	2,750	97,020,000
5 Ditto cut WF - beam	Kg	2,646	2,750	7,276,500
6 150 x 65 x 20 x 3.2 lip C (7.51 kg/m) - purlin	Kg	32,504	2,750	89,386,000
7 600 x 200 x 11 x 17 WF (kg/m) - beam at Mezz. lvl.	Kg	N/A	N/A	N/A
8 Ditto cut WF - beam at Mezz. lvl.	Kg	N/A	N/A	N/A
9 588 x 300 x 12 x 20 WF (kg/m) - beam at Mezz lvl.	Kg	N/A	N/A	N/A
0 Ditto cut WF - beam at Mezz. lvl.	Kg	N/A	N/A	N/A
1 450 x 200 x 9 x 14 WF (kg/m) - beam at Mezz. lvl.	Kg	N/A	N/A	N/A
2 Ditto cut WF - beam at Mezz. lvl.	Kg	N/A	N/A	N/A
3 446 x 199 x 8 x 12 WF (kg/m) - beam at Mezz. lvl.	Kg	3,975	2,750	10,931,250
4 250 x 125 x 6 x 9 WF (kg/m) - beam at Mezz. lvl.	Kg	3,916	2,750	10,769,000
5 300 x 300 - column upto Mezzanine.	Kg	N/A	N/A	N/A
6 250 x 125 x 6 x 9 WF (kg/m) -column above Mezzanine.	Kg	2,136	2,750	5,874,000
7 150 x 65 x 20 x 2.3 lip C (5.06 kg/m) - Facia Frame	Kg	11,458	2,750	31,509,500
8 200 x 100 x 5.5 x 8 WF (21.3 kg / m) - Facia Frame	Kg	N/A	N/A	N/A
9 Ditto - Lintel	Kg	4,608	2,750	12,672,000
0 Ditto - eaves	Kg	616	2,750	1,694,000
1 50x50x5 angels (3.75 kg/m) - Facia frame holder	Kg	3,979	2,750	10,942,250
2 50x50x5 angels (3.75 kg/m) - gutter frame	Kg	276	2,750	759,000
3 10x40x4 angels (2.42 kg/m) - canopy frames	Kg	576	2,750	1,584,000
4 125 x 50 x 20 x 3.2 lip C (6.13kg/m) - louvres holder	Kg	1,443	2,750	3,968,250



**BILL OF QUANTITY
STRUCTURAL STEEL WORK**

PT. CANDRA SEKAWAN ANUGERAH

Project : PT. NATIONAL STARCH & CHEMICAL PLANT

NO.	DESCRIPTION	UNIT	QTY	UNIT PR.(RP.)	AMOUNT (RP.)
25	12 mm plate - column base plates	Kg	29,470	2,750	86,834,000
26	12 mm plate - connection plates				
27	10 mm plate - stiffener plates.				
28	10 mm plate - connection plate				
29	8 mm plate - connection plates				
30	8 mm plate - stiffner plates				
31	8 mm plate - purlin holder				
32	19 mm dia. anchor bolts 800 mm long cast in concrete pile cap complete with nuts and washers.				
33	22 mm dia. bolts (HTB) to rafter complete with nuts & washers.				
34	19 mm dia. bolts (HTB) to rafter complete with nuts & washers.				
35	19 mm dia. bolts (HTB) to column complete with nuts & washers.				
36	19 mm dia. bolts (HTB) to eaves complete with nuts & washers.	Kg	9,078	6,000	54,468,000
37	19 mm dia. bolts (HTB) to lintel and column connection complete with nuts & washers.				
38	16 mm dia. bolts (HTB) to wall bracing and column connection complete with nuts & washers.				
39	16 mm dia. bolts (HTB) canopy frames to column complete with nuts and washers.				
40	12 mm dia. bolts (HTB) to purlin connection complete with nuts and washers.				
41	19 mm dia. wall bracing rods.	Kg.	1,282	2,750	3,525,500
42	16 mm dia. wind bracing rods.	Kg.	2,276	2,750	6,259,000
43	12 mm dia. rods purlin to bracing complete with nuts and washers.	Kg.	1,171	3,000	3,513,000
44	19 mm dia. turnbuckle to wall bracing.	Nos.	48	16,000	768,000
45	16 mm dia. turnbuckle to wind bracing	Nos.	120	12,000	1,440,000
46	25 mm thick grouting.	M2	N/A	N/A	N/A
47	Jack roof column WF 200.100.5.5.8	Kg	3,584	2,750	9,856,000
48	Jack roof beam 150 x 65 x 20 x 3.2 lip C	Kg	1,104	2,750	3,036,000
49	Mezzanine beam WF 200.100.5.5.8	Kg	512	2,750	1,408,000
50	Mezzanine beam WF 200.200.8.12	Kg	3,594	2,750	9,883,500
51	Mezzanine beam WF 250.125.5.8	Kg	1,065	2,750	2,928,750
52	Mezzanine beam WF 300.150.5.5.8	Kg	3,936	2,750	10,824,000
53	Mezzanine beam WF 450.200.8.12	Kg	3,312	2,750	9,108,000
54	Mezzanine beam WF 500.200.9.14	Kg	11,232	2,750	30,888,000

