

RS01: Adani - 36 PG - Columns, Auto Weld & General Fabrication | Total Wt. = 4650 MT

Note: For the purpose of PVC calculation, BOM given in below Table with corresponding JPC categorization shall be used.

Material Type	Grade/ Code	Material	% Age	ITEM TO BE CONSIDERD FOR PVC CALCULATION AS PER JPC
PLATES	E250A/BR	PLATE 16.0 MM - IS2062E250A	9.93%	PLATES 12 MM
		PLATE 20.0 MM - IS2062E250A	8.75%	PLATES 12 MM
		PLATE 25.0 MM -IS2062E250BR	5.50%	PLATES 25 MM
		PLATE 32.0 MM -IS2062E250BR	5.14%	PLATES 25 MM
		PLATE 36.0 MM -IS2062E250BR	2.87%	PLATES 25 MM
		PLATE 40.0 MM -IS2062E250BR	2.77%	PLATES 25 MM
		PLATE 50.0 MM - IS2062E250BR	2.47%	PLATES 25 MM
		PLATE 63.0 MM -IS2062E250BR	1.83%	PLATES 25 MM
		PLATE 12.0 MM - IS2062E250A	1.63%	PLATES 12 MM
		PLATE 10 MM-IS2062E250A	0.75%	PLATES 10 MM
		PLATE 56.0 MM - IS2062E250BR	0.40%	PLATES 25 MM
		PLATE 5.00 MM-IS2062E250A	0.16%	PLATES 6 MM
		PLATE 75.0 MM -IS2062E250BR	0.10%	PLATES 25 MM
		PLATE 100 MM -IS2062 E250BR	0.07%	PLATES 25 MM
	PLATE 8.00 MM -IS2062E250A	0.01%	PLATES 6 MM	
	E350BR	PLATE 16 MM-IS2062E350GRBR	8.55%	PLATES 12 MM
		PLATE 25 MM -IS2062E350GRBR	5.90%	PLATES 25 MM
		PLATE-32 MM -IS2062E350GRBR	4.84%	PLATES 25 MM
		PLATE-36 MM -IS2062E350GRBR	2.30%	PLATES 25 MM
		PLATE-20 MM -IS2062E350GRBR	1.30%	PLATES 12 MM
PLATE-40 MM -IS2062E350GRBR		0.65%	PLATES 25 MM	
IS3502	CHQ PLATE 5 - IS3502	0.67%	PLATES 6 MM	
BEAMS	E250A/BR	BEAM 600 x 210 -IS2062E250A	5.38%	JOISTS 200X100 MM
		BEAM 500 x 180 -IS2062E250A	3.57%	JOISTS 200X100 MM
		BEAM 200 x 100 -IS2062E250A	2.89%	JOISTS 200X100 MM
		BEAM 125 x 70 -IS2062E250A	2.67%	JOISTS 125X70 MM
		BEAM 400 x 140 -IS2062E250A	2.55%	JOISTS 200X100 MM
		BEAM 300 x 140 -IS2062E250A	2.48%	JOISTS 200X100 MM
		BEAM 250 x 125 -IS2062E250A	2.12%	JOISTS 200X100 MM
		BEAM 350 x 140 -IS2062E250A	1.86%	JOISTS 200X100 MM
		BEAM 450 x 150 -IS2062E250A	1.73%	JOISTS 200X100 MM
		BEAM 150 x 75 -IS2062E250A	1.10%	JOISTS 125X70 MM
		H BEAM 305X165 -IS2062E250BR	0.02%	JOISTS 200X100 MM
		H BEAM 254X146 -IS2062E250BR	0.01%	JOISTS 200X100 MM
CHANNELS	E250A/BR	CHANNEL 200 x 75 -IS2062E250A	2.04%	CHANNELS 150X75 MM
		CHANNEL 150 x 75 -IS2062E250A	0.75%	CHANNELS 150X75 MM
		CHANNEL 250 x 82 -IS2062E250A	0.27%	CHANNELS 150X75 MM
		CHANNEL 125 x 65 MM -IS2062E250A	0.11%	CHANNELS 75X40 MM
		CHANNEL 300 x 90 -IS2062E250A	0.11%	CHANNELS 150X75 MM
		CHANNEL 400 x 100 -IS2062E250A	0.08%	CHANNELS 150X75 MM
		CHANNEL 100 x 50 - IS2062E250A	0.05%	CHANNELS 75X40 MM
		CHANNEL 75 x 40 -IS2062E250A	0.01%	CHANNELS 75X40 MM
ANGLES	E250A/BR	ANGLE 130 x 130 x 12-IS2062E250A	1.15%	ANGLES 75X75X6 MM
		ANGLE 100 x 100 x 10-IS2062E250A	0.86%	ANGLES 75X75X6 MM
		ANGLE 200 x 200 x 20-IS2062E250A	0.80%	ANGLES 75X75X6 MM
		ANGLE 150 x 150 x 12-IS2062E250A	0.20%	ANGLES 75X75X6 MM
		ANGLE 80 x 80 x 8 -IS2062E250A	0.17%	ANGLES 75X75X6 MM
		ANGLE 150 x 150 x 16-IS2062E250A	0.11%	ANGLES 75X75X6 MM
		ANGLE 75 x 75 x 6-IS2062E250A	0.02%	ANGLES 75X75X6 MM
		ANGLE 65 x 65 x 6 -IS2062E250A	0.01%	ANGLES 50x50X6 MM
ERW PIPES	IS1239	ERW PIPE NB150 MEDIUM - IS1239	0.18%	PLATES 6 MM
		BOLT-M24x90 -4.6-IS1363P1	0.02%	Not Applicable
BOLTS	IS1363	BOLT-M24x80 -4.6-IS1363P1	0.01%	Not Applicable
		BOLT-M24x100 -4.6-IS1363P1	0.01%	Not Applicable
		BOLT-M24x120 -4.6-IS1363P1	0.01%	Not Applicable
		NUT -M24 -CL4-IS1363P3	0.01%	Not Applicable
NUTS	IS1363	HEX HD BOLT M24X110-4.6 IS:1363(P-1)	0.01%	Not Applicable
		SHEET 1.6 MM - IS513 Gr.CR2	0.02%	H. R. COILS 2.00 MM
Total			100.00%	

NOTE

- Vendors have to submit their quotations based on the assumption that all PLATE materials as E250A/BR grade. Additional extra rates will be provided for E350BR plate materials.
- While the provided BoM includes a specific sizes for plates & rolled sections to offer an overall understanding of the material content, it's important to note that these percentages may vary within the types of materials. The composition of overall Plates, Rolled Sections, Sheets, Bolts & Nuts may also exhibit slight variations but will remain within close tolerances.

Section II B - Bill of materials (BOM)

Adani - 36 PG - Column				
Material Type	Grade/ Code	% age in full BoM	MATERIAL Description	% age in full BoM
PLATES	E250A	1.92%	PLATE 10 MM-IS2062E250A	1.75%
			PLATE 16.0 MM - IS2062E250A	0.14%
			PLATE 20.0 MM - IS2062E250A	0.03%
	E250BR	10.25%	PLATE 32.0 MM -IS2062E250BR	3.73%
			PLATE 50.0 MM - IS2062E250BR	1.68%
			PLATE 25.0 MM -IS2062E250BR	1.44%
			PLATE 40.0 MM -IS2062E250BR	1.08%
			PLATE 36.0 MM -IS2062E250BR	0.70%
			PLATE 56.0 MM - IS2062E250BR	0.67%
			PLATE 75.0 MM -IS2062E250BR	0.57%
			PLATE 100 MM - IS2062 E250BR	0.38%
	E350BR	87.69%	PLATE-32 MM -IS2062E350GRBR	26.38%
			PLATE 16 MM-IS2062E350GRBR	22.41%
			PLATE 25 MM -IS2062E350GRBR	16.24%
			PLATE-36 MM -IS2062E350GRBR	12.66%
PLATE-20 MM -IS2062E350GRBR			6.44%	
SHEETS	IS513 Gr.CR2	0.10%	SHEET 1.6 MM - IS513 Gr.CR2	0.10%
BOLTS	IS1363P1	0.03%	BOLT-M24x100 -4.6-IS1363P1	0.01%
			BOLT-M24x80 -4.6-IS1363P1	0.01%
			BOLT-M24x90 -4.6-IS1363P1	0.01%
NUTS	IS1363P3	0.01%	NUT -M24 -CL4-IS1363P3	0.01%
TOTAL				100.00%

Section II B - Bill of materials (BOM)

Adani - 36 PG - General Fabrication				
Material Type	Grade/ Code	% age in full BoM	MATERIAL Description	% age in full BoM
PLATES	CHQ PLATE	1.96%	CHQ PLATE 5 - IS3502	1.96%
	E250A	3.25%	PLATE 10 MM-IS2062E250A	1.06%
			PLATE 12.0 MM - IS2062E250A	1.02%
			PLATE 16.0 MM - IS2062E250A	0.49%
			PLATE 5.00 MM-IS2062E250A	0.37%
			PLATE 20.0 MM - IS2062E250A	0.30%
			PLATE 8.00 MM -IS2062E250A	0.01%
	E250BR	0.74%	PLATE 25.0 MM -IS2062E250BR	0.53%
			PLATE 32.0 MM -IS2062E250BR	0.20%
				PLATE 50.0 MM - IS2062E250BR
ERW PIPES	IS1239	0.52%	ERW PIPE NB150 MEDIUM - IS1239	0.52%
BEAMS	E250A	76.21%	BEAM 600 x 210 -IS2062E250A	15.48%
			BEAM 500 x 180 -IS2062E250A	10.25%
			BEAM 200 x 100 -IS2062E250A	8.39%
			BEAM 125 x 70 -IS2062E250A	7.76%
			BEAM 400 x 140 -IS2062E250A	7.37%
			BEAM 300 x 140 -IS2062E250A	7.18%
			BEAM 250 x 125 -IS2062E250A	6.14%
			BEAM 350 x 140 -IS2062E250A	5.39%
			BEAM 450 x 150 -IS2062E250A	5.03%
			BEAM 150 x 75 -IS2062E250A	3.22%
CHANNELS	E250A	9.87%	CHANNEL 200 x 75 -IS2062E250A	5.93%
			CHANNEL 150 x 75 -IS2062E250A	2.19%
			CHANNEL 250 x 82 -IS2062E250A	0.77%
			CHANNEL 300 x 90 -IS2062E250A	0.31%
			CHANNEL 125 x 65 MM -IS2062E250A	0.31%
			CHANNEL 400 x 100 -IS2062E250A	0.21%
			CHANNEL 100 x 50 - IS2062E250A	0.14%
			CHANNEL 75 x 40 -IS2062E250A	0.01%
ANGLES	E250A	7.39%	ANGLE 130 x 130 x 12-IS2062E250A	2.73%
			ANGLE 100 x 100 x 10-IS2062E250A	2.49%
			ANGLE 200 x 200 x 20-IS2062E250A	0.71%
			ANGLE 150 x 150 x 12-IS2062E250A	0.58%
			ANGLE 80 x 80 x 8 -IS2062E250A	0.49%
			ANGLE 150 x 150 x 16-IS2062E250A	0.31%
			ANGLE 75 x 75 x 6-IS2062E250A	0.05%
			ANGLE 65 x 65 x 6 -IS2062E250A	0.02%
			ANGLE 50 x 50 x 6 -IS2062E250A	0.01%
H BEAMS	E250BR	0.04%	H BEAM 305X165 -IS2062E250BR	0.03%
			H BEAM 254X146 -IS2062E250BR	0.01%
BOLTS	IS1363P1	0.01%	BOLT-M24x80 -4.6-IS1363P1	0.01%
NUTS	IS1363P3	0.01%	NUT -M24 -CL4-IS1363P3	0.01%
TOTAL				100.00%

Section II B - Bill of materials (BOM)

Adani - 36 PG - Auto weld				
Material Type	Grade/ Code	% age in full BoM	MATERIAL Description	% age in full BoM
PLATES	E250A	41.73%	PLATE 16.0 MM - IS2062E250A	20.57%
			PLATE 20.0 MM - IS2062E250A	18.26%
			PLATE 12.0 MM - IS2062E250A	2.70%
			PLATE 10 MM-IS2062E250A	0.14%
			PLATE 5.00 MM-IS2062E250A	0.06%
	E250BR	40.23%	PLATE 25.0 MM -IS2062E250BR	10.69%
			PLATE 32.0 MM -IS2062E250BR	9.27%
			PLATE 36.0 MM -IS2062E250BR	5.80%
			PLATE 40.0 MM -IS2062E250BR	5.44%
			PLATE 50.0 MM - IS2062E250BR	4.56%
			PLATE 63.0 MM -IS2062E250BR	3.87%
	E350BR	15.94%	PLATE 56.0 MM - IS2062E250BR	0.60%
			PLATE 16 MM-IS2062E350GRBR	9.42%
			PLATE 25 MM -IS2062E350GRBR	6.19%
PLATE-20 MM -IS2062E350GRBR			0.28%	
PLATE-32 MM -IS2062E350GRBR			0.04%	
SHEETS	IS513 Gr.CR2	0.01%	SHEET 1.6 MM - IS513 Gr.CR2	0.01%
BEAMS	E250A	0.30%	BEAM 600 x 210 -IS2062E250A	0.11%
			BEAM 500 x 180 -IS2062E250A	0.10%
			BEAM 400 x 140 -IS2062E250A	0.02%
			BEAM 300 x 140 -IS2062E250A	0.02%
			BEAM 350 x 140 -IS2062E250A	0.01%
			BEAM 125 x 70 -IS2062E250A	0.01%
			BEAM 250 x 125 -IS2062E250A	0.01%
			BEAM 200 x 100 -IS2062E250A	0.01%
			BEAM 150 x 75 -IS2062E250A	0.01%
CHANNELS	E250A	0.03%	CHANNEL 400 x 100 -IS2062E250A	0.01%
			CHANNEL 250 x 82 -IS2062E250A	0.01%
			CHANNEL 125 x 65 MM -IS2062E250A	0.01%
ANGLES	E250A	1.65%	ANGLE 200 x 200 x 20-IS2062E250A	1.20%
			ANGLE 130 x 130 x 12-IS2062E250A	0.44%
			ANGLE 80 x 80 x 8 -IS2062E250A	0.01%
H BEAMS	E250BR	0.01%	H BEAM 305X165 -IS2062E250BR	0.01%
BOLTS	IS1363P1	0.08%	BOLT-M24x90 -4.6-IS1363P1	0.04%
			BOLT-M24x100 -4.6-IS1363P1	0.01%
			BOLT-M24x80 -4.6-IS1363P1	0.01%
			HEX HD BOLT M24X110-4.6 IS:1363(P-1)	0.01%
			BOLT-M24x120 -4.6-IS1363P1	0.01%
NUTS	IS1363P3	0.02%	NUT -M24 -CL4-IS1363P3	0.02%
TOTAL				100.00%