

Annexure -A

Format for Procurement projections for next 03 to 05 years

Name of the Organization :- Airports Authority of India

Website link :- www.aai.aero

Ministry / Department :- Ministry of Civil Aviation/ AAI CHQ Engineering (Electrical)

Disclaimer : The below information is purely indicative and the Ministry / Department of Civil Aviation will not be liable to any potential bidder for any decision taken/ not taken on the basis of the projected figures.

Financial Year 2020-21

Sr. No.	Description of Item	Broad Specification Parameters	Total Qty	Accounting Unit (Nos/ Kilo-meters/ Kg....)	Estimated Value of Procurement (Cr.)
1	DG Sets	a) 625 KVA	2	Nos.	41.19
		b) 1250 KVA	4		
		c) 250 KVA	1		
		d) 500 KVA	8		
		e) 750 KVA	8		
		f) 1500 KVA	2		
		g) 2000 KVA	18		
		h) 320 KVA	1		
		i) 25 KVA	1		
		j) 5 KVA	1		
2	HT Panel	As per CPWD Specification	19	Nos.	6.76
3	LT Panel	As per CPWD Specification	131	Nos.	13.86
4	HVAC Equipments	Chiller	3	Nos.	27.00
		a) 220 TR			
		b) 230 TR	0		
		c) 450 TR	0		
		d) 2000 TR	25.8		
5	Transformer	a) 625 KVA	0	Nos.	16.13
		b) 1250 KVA	3		
		d) 1000 KVA	4		
		e) 1500 KVA	2		
		f) 500 KVA	2		
		g) 1600 KVA	2		
		h) 2000 KVA	19		
		i) 2500 KVA	7		
		j) 6.3 MVA	3		
		k) 3.15 MVA	2		
		6	Lift		
7	Escalators	Escalators	23	Nos.	7.07
8	AGL Equipments	a) CCR	9	Nos.	1.57
		b) Runway Light	631		1.85
		c) Taxi Light	872		0.73
		d) PAPI	12		0.28
		e) Isolating Transformer	1403		0.80
		f) Approach Light	126		0.23
Total					135.05

Annexure - B

Format for Procurement projections for next 03 to 05 years

Name of the Organization :- Airports Authority of India

Website link :- www.aai.aero

Ministry / Department :- Ministry of Civil Aviation/ AAI CHQ Engineering (Electrical)

Disclaimer : The below information is purely indicative and the Ministry / Department of Civil Aviation will not be liable to any potential bidder for any decision taken/ not taken on the basis of the projected figures.

Financial Year 2021-22

Sr. No.	Description of Item	Broad Specification Parameters	Total Qty	Accounting Unit (Nos/ Kilo-meters/ Kg....)	Estimated Value of Procurement (Cr.)
1	DG Sets	a) 750 KVA	14	Nos.	58.26
		b) 1000 KVA	3		
		c) 1500 KVA	7		
		d) 2.25 MVA	2		
		e) 500 KVA	6		
		f) 625 KVA	1		
		g) 320 KVA	7		
		h) 1500 KVA	3		
		i) 2000 KVA	9		
2	HT Panel	As per CPWD Specification	13	Nos.	8.10
3	LT Panel	As per CPWD Specification	112	Nos.	14.75
4	HVAC Equipments	Chiller	6	Nos.	55.10
		a) 350 TR	3		
		b) 750 TR	3		
		c) 230 TR	2		
		d) 225 TR	1		
		e) 2000 TR	8		
		f) 1000 TR	2		
5	Transformer	a) 1000 KVA	9	Nos.	10.29
		b) 2.5 MVA	2		
		c) 1250 KVA	1		
		d) 2000 KVA	18		
		e) 0.5 MVA	1		
		f) 750 KVA	2		
		g) 2500 KVA	5		
6	Lift	Lift	76	Nos.	12.30
7	Escalators	Escalators	29	Nos.	8.18
8	AGL Equipments	a) CCR	29	Nos.	2.94
		b) Runway Light	364	Nos.	0.86
		c) Taxi Light	828	Nos.	0.82
		d) PAPI	8	Nos.	0.40
		e) Isolating Transformer	2018	Nos.	1.25
		f) Approach Light	170	Nos.	0.29
Total					173.55

Annexure - C

Format for Procurement projections for next 03 to 05 yearsName of the Organization :- Airports Authority of IndiaWebsite link :- www.aai.aeroMinistry / Department :- Ministry of Civil Aviation/ AAI CHQ Engineering (Electrical)

Disclaimer : The below information is purely indicative and the Ministry / Department of Civil Aviation will not be liable to any potential bidder for any decision taken/ not taken on the basis of the projected figures.

Financial Year 2022-23

Sr. No.	Description of Item	Broad Specification Parameters	Total Qty	Accounting Unit (Nos/ Kilo-meters/ Kg....)	Estimated Value of Procurement (Cr.)
1	DG Sets	a) 750 KVA	10	Nos.	36.32
		b) 1500 KVA	10		
		c) 2000 KVA	5		
		d) 1750 KVA	4		
		e) 1000 KVA			
2	HT Panel	As per CPWD Specification	5	Nos.	3.03
3	LT Panel	As per CPWD Specification	80	Nos.	11.69
4	HVAC Equipments	Chiller	4	Nos.	22.92
		a) 450 TR			
		b) 600 TR	4		
5	Transformer	a) 1000 KVA	9	Nos.	12.8
		b) 1600 KVA	3		
		c) 1500 KVA	6		
		d) 2000 KVA	8		
		e) 500 KVA			
6	Lift	Lift	43	Nos.	7.14
7	Escalators	Escalators	32	Nos.	15.04
8	AGL Equipments	a) CCR	14	Nos.	0.68
		b) Runway Light	422	Nos.	0.82
		c) Taxi Light	202	Nos.	0.62
		d) PAPI	4	Nos.	0.15
		e) Isolating Transformer	875	Nos.	0.34
		f) Approach Light	0	Nos.	0.34

Total

111.89

Annexure - D

Format for Procurement projections for next 03 to 05 years

Name of the Organization :- Airports Authority of India

Website link :- www.aai.aero

Ministry / Department :- Ministry of Civil Aviation/ AAI CHQ Engineering (Electrical)

Disclaimer : The below information is purely indicative and the Ministry / Department of Civil Aviation will not be liable to any potential bidder for any decision taken/ not taken on the basis of the projected figures.

Financial Year 2023-24

Sr. No.	Description of Item	Broad Specification Parameters	Total Qty	Accounting Unit (Nos/ Kilo-meters/ Kg....)	Estimated Value of Procurement (Cr.)
1	DG Sets	a) 750 KVA	7	Nos.	12.24
		b) 1750 KVA	4		
		c) 320 KV	5		
		d) 200 KVA	2		
		e) 160 KVA	2		
		f) 500 KVA	1		
2	HT Panel	As per CPWD Specification	3	Nos.	1.26
3	LT Panel	As per CPWD Specification	29	Nos.	4.80
4	HVAC Equipments	Chiller 450 TR	3	Nos.	12.50
		550 TR	4		
5	Transformer	a) 1000 KVA	4	Nos.	3.52
		b) 2000 KVA	8		
6	Lift	Lift	29	Nos.	14.58
7	Escalators	Escalators	8	Nos.	2.24
8	AGL Equipments	a) CCR	2	Nos.	0.56
		b) Runway Light	250		0.48
		c) Taxi Light	56		0.04
		d) PAPI	4		0.25
		e) Isolating Transformer	225		0.17
		f) Approach Light	153		0.26
Total					52.91

619891/2020/O/o ED(WR-ENGG)

Civil Items - Procurement projections for FY 2020-21 to 2023-24

Name of the Organization - Airports Authority of India(AAI)

Ministry/ Department Ministry of Civil Aviation/AAI

Disclaimer: The below information is purely indicative and the Ministry of Civil Aviation/Airports Authority of India will not be liable to any potential bidder for any decision taken/not taken on the basis of the projected figures.

Financial Year - 2020-21

Sr. No.	Description of Item	Broad Specification Parameters	Accounting Unit (Nos/Kilo-meters/Tonne ...)	Rate	Qty	Estimated Value of Procurement INR (Crores)
1	Bricks /AAC Block	Fly ash bricks conforming to I.S. 12894 Autoclaved aerated cement (AAC) blocks	1000 Nos.	5000.00	177840	88.92
2	Glass	Complying with the ECBC-2017 (Energy Conservation Building Code) TOUGHENED/HEAT STRENGTHENED/ LACQUERED GLASS OF SUPERIOR QUALITY	Sqm	1500.00	790400	118.56
3	Cement	Ordinary Portland Cement 43 Grade conforming to IS: 269-2015 or Factory Produced Portland Pozzolana Cement (Flyash based) conforming to IS: 1489 (Part-1)-2015	Tonne	4840.00	979835	474.24
4	Bitumen	Complying to IS 73	Tonne	35000.00	67749	237.12
5	Steel	M.S. tubular section ERW type (round, square or rectangular hollow tube sections) of Yst 310 Grade conforming to IS 1161 / IS 4923. M.S. rolled built up sections and plates of E250 BR Grade conforming to IS 2062 High Yield Strength Deformed Bars (HYSD) Fe500D or more conforming to IS 1786	Tonne	75000.00	82992	622.44
6	Coarse Aggregates	Confirming to IS 383	Cum	1380.00	1503478	207.48
7	Sand	Confirming to IS 383	Cum	1050.00	988000	103.74
8	Vitrified Tiles	Double charge / heavy duty Vitrified tiles (Polish / satin Finish/ anti-skid/ Matt finish) having water absorption less than 0.5% and confirming to IS:15622	Sqm	750.00	395200	29.64
9	Ceramic Tiles	confirming to IS:15622	Sqm	400.00	185250	7.41
10	Kota Stone	As per local market (Natural Stone)	Sqm	320.00	231563	7.41
11	Granite Stone	As per local market (Natural Stone)	Sqm	1800.00	823333	148.20
12	ACP	• Skin Material: 0.5mm thick aluminium sheets of Alloy 5xxx series – H22/24 • Core Material: 3mm thick core comprising around 90% non-combustible mineral and balance virgin polymer.	Sqm	2500.00	118560	29.64
13	Metal False Ceiling	Aluminum tiles shall be made from 0.7 mm Aluminum sheets pressed to form panels/strips, chromated before finished with polyester paint by electrostatic process.(ii) Baffle Metal Ceiling System: The Ceiling Baffle Panels should have thickness of 0.7mm & Humidity Resistance of 100% RH, Average NRC 0.80, Light Reflectance 61%, RAL Finish Fire Performance Class BS476 PART 6 in module size (iii) 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm (iv) 12.5 mm thick tapered edge gypsum moisture resistant board	Sqm	200.00	1482000	29.64
14	Roofing Sheet	i) Minimum yield strength of 300MPa, metallic coated with Zinc-Aluminium alloy (i.e. 55% Al, 43.4% Zinc, 1.6% Si - Zinalume), AZ150 (min 150 gm/m2 total on both side), pre-painted with Super Durable Polyester quality paint includes inorganic infrared reflective pigment (High SRI-"Thermatech technology") of 20µm exterior coat on top surface and 5µm reverse coat on back surface over 5µm primer coat on both surfaces of approved color shade . (ii) 0.45mm BMT Zinalume - 55% Al-Zn alloy coated steel with coating mass of 150 g/m2 total on both side, having yield strength of 550 MPa (iii) Aluminium Profile Standing Seam 65 mm rib height and 400 mm width of STRAIGHT/CURVED profiled panel as per the Roof Geometry, manufactured from Aluminium Alloy AA 3004/5052 - Alloy as specified in BS EN1396:2007, minimum material thickness of 0.9 mm with 25 microns PVDF2 finished. The material properties shall be as follows: Ultimate tensile strength: minimum 200 N/mm ² ; 0.2% Proof Stress: min 185 N/mm ² , Modulus of elasticity: 70,000 N/mm ² .	Sqm	2500.00	177840	44.46
15	Paints	As per manufacture specification.VOC less than 50 gm/litre and UV resistance as per IS 15489:2004	Litre	250.00	2371200	59.28
16	Doors/Windows Wooden/uPVC/Aluminium/Steel	-extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285/12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823/aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade/35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001/Fire resistant door as NBC 2016 requirement	Sqm	2125.00	348706	74.10

619891/2020/O/ED(WR-ENGG)

		Hot rolled (spun) iron pipes as per IS 15905/Ductile Iron class K - 9 pipe conforming to I.S. 8329/SS pipe 304 grades with press fit technology as per JIS 3448/Polyethylene-Aluminium-Polyethylene PE-ALPE Composite Pressure Pipes conforming to IS - 15450/3 layer PP-R (Polypropylene Random copolymer) pipes conforming to IS 15801/Chlorinated Polyvinyl Chloride (CPVC) pipes	Metre	225.00	3952000	88.92
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Financial Year - 2021-22

Sr. No.	Description of Item	Broad Specification Parameters	Accounting Unit (Nos/Kilo-meters/Tonne ...)	Rate	Qty	Estimated Value of Procurement INR (Crores)
1	Bricks /AAC Block	Fly ash bricks conforming to I.S. 12894 Autoclaved aerated cement (AAC) blocks	1000 Nos.	5000.00	212076	106.04
2	Glass	Complying with the ECBC-2017 (Energy Conservation Building Code) TOUGHENED LACQUERED GLASS OF SUPERIOR QUALITY CONFIRMING TO BS EN 16477-1:2016	Sqm	1500.00	942560	141.38
3	Cement	Ordinary Portland Cement 43 Grade conforming to IS: 269-2015 or Factory Produced Portland Pozzolana Cement (Flyash based) conforming to IS: 1489 (Part-I)-2015	Tonne	4840.00	1168463	565.54
4	Bitumen	Complying to IS 73	Tonne	35000.00	80791	282.77
5	Steel	M.S. tubular section ERW type (round, square or rectangular hollow tube sections) of Yst 310 Grade conforming to IS 1161 / IS 4923. M.S. rolled built up sections and plates of E250 BR Grade conforming to IS 2062 High Yield Strength Deformed Bars (HYSD) Fe500D or more conforming to IS 1786	Tonne	75000.00	98969	742.27
6	Coarse Aggregates	Confirming to IS 383	Cum	1380.00	1792913	247.42
7	Sand	Confirming to IS 383	Cum	1050.00	1178200	123.71
8	Vitrified Tiles	Double charge heavy duty Vitrified tiles (Polish / satin Finish/ anti-skid/ Matt finish) having water absorption less than 0.5% and conforming to IS:15622	Sqm	750.00	471280	35.35
9	Ceramic Tiles	confirming to IS:15622	Sqm	400.00	220913	8.84
10	Kota Stone	As per local market (Natural Stone)	Sqm	320.00	276141	8.84
11	Granite Stone	As per local market (Natural Stone)	Sqm	1800.00	981833	176.73
12	ACP	<ul style="list-style-type: none"> • Skin Material: 0.5mm thick aluminum sheets of Alloy 5xxx series – H22/24 • Core Material: 3mm thick core comprising around 90% non-combustible mineral and balance virgin polymer. 	Sqm	2500.00	141384	35.35
13	Metal False Ceiling	Aluminum tiles shall be made from 0.7 mm Aluminum sheets pressed to form panels/strips, chromated before finished with polyester paint by electrostatic process.(ii) Baffle Metal Ceiling System: The Ceiling Baffle Panels should have thickness of 0.7mm & Humidity Resistance of 100% RH, Average NRC 0.80, Light Reflectance 61%, RAL Finish Fire Performance Class BS476 PART 6 in module size (iii) 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm (iv) 12.5 mm thick tapered edge gypsum moisture resistant board	Sqm	200.00	1767300	35.35
14	Roofing Sheet	i) Minimum yield strength of 300MPa, metallic coated with Zinc-Aluminium alloy (i.e. 55% Al, 43.4% Zinc, 1.6% Si - Zinalume), AZ150 (min 150 gm/m2 total on both side), pre-painted with Super Durable Polyester quality paint includes inorganic infrared reflective pigment (High SRI-"Thermatech technology") of 20µm exterior coat on top surface and 5µm reverse coat on back surface over 5µm primer coat on both surfaces of approved color shade . (ii) 0.45mm BMT Zinalume - 55% Al-Zn alloy coated steel with coating mass of 150 g/m2 total on both side, having yield strength of 550 MPa (iii) Aluminium Profile Standing Seam 65 mm rib height and 400 mm width of STRAIGHT/CURVED profiled panel as per the Roof Geometry, manufactured from Aluminium Alloy AA 3004/5052 - Alloy as specified in BS EN1396:2007, minimum material thickness of 0.9 mm with 25 microns PVDF2 finished. The material properties shall be as follows: Ultimate tensile strength: minimum 200 N/mm ² ; 0.2% Proof Stress: min 185 N/mm ² , Modulus of elasticity: 70,000 N/mm ² .	Sqm	2500.00	212076	53.02
15	Paint	As per manufacture specification.VOC less than 50 gm/litre and UV resistance as per IS 15489:2004	Litre	250.00	2827680	70.69
16	Doors/Windows - Wooden/uPVC/Aluminium/Steel	- extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285/12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823/aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade/35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001/Fire resistant door as NBC 2016 requirement	Sqm	2125.00	415835	88.36

619891/2020/O/ED(WR/ENGG)

		Hot rolled (spun) iron pipes as per IS 15905/Ductile Iron class K - 9 pipe conforming to I.S. 8329/SS pipe 304 grades with press fit technology as per JIS 3448/Polyethylene-Aluminium-Polyethylene PE-ALPE Composite Pressure Pipes conforming to IS - 15450/3 layer PP-R (Poly propylene Random copolymer) pipes conforming to IS 15801/Chlorinated Polyvinyl Chloride (CPVC) pipes	Metre	225.00	4712800	106.04
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Financial Year - 2022-23

Sr. No.	Description of Item	Broad Specification Parameters	Accounting Unit (Nos/Kilo-meters/Tonne ...)	Rate	Qty	Estimated Value of Procurement INR (Crores)
1	Bricks /AAC Block	Fly ash bricks conforming to I.S. 12894 Autoclaved aerated cement (AAC) blocks	1000 Nos.	5000.00	229248	114.62
2	Glass	Complying with the ECBC-2017 (Energy Conservation Building Code) TOUGHENED LACQUERED GLASS OF SUPERIOR QUALITY CONFIRMING TO BS EN 16477-1:2016	Sqm	1500.00	1018880	152.83
3	Cement	Ordinary Portland Cement 43 Grade conforming to IS: 269-2015 or Factory Produced Portland Pozzolana Cement (Flyash based) conforming to IS: 1489 (Part-1)-2015	Tonne	4840.00	1263074	611.33
4	Bitumen	Complying to IS 73	Tonne	35000.00	87333	305.67
5	Steel	M.S. tubular section ERW type (round, square or rectangular hollow tube sections) of Yst 310 Grade conforming to IS 1161 / IS 4923. M.S. rolled built up sections and plates of E250 BR Grade conforming to IS 2062 High Yield Strength Deformed Bars (HYSD) Fe500D or more conforming to IS 1786	Tonne	75000.00	106982	802.37
6	Coarse Aggregates	Confirming to IS 383	Cum	1380.00	1938087	267.46
7	Sand	Confirming to IS 383	Cum	1050.00	1273600	133.73
8	Vitrified Tiles	Double charge heavy duty Vitrified tiles (Polish / satin Finish/ anti-skid/ Matt finish) having water absorption less than 0.5% and confirming to IS:15622	Sqm	750.00	509440	38.21
9	Ceramic Tiles	confirming to IS:15622	Sqm	400.00	238800	9.55
10	Kota Stone	As per local market (Natural Stone)	Sqm	320.00	298500	9.55
11	Granite Stone	As per local market (Natural Stone)	Sqm	1800.00	1061333	191.04
12	ACP	<ul style="list-style-type: none"> • Skin Material: 0.5mm thick aluminum sheets of Alloy 5xxx series – H22/24 • Core Material: 3mm thick core comprising around 90% non-combustible mineral and balance virgin polymer. 	Sqm	2500.00	152832	38.21
13	Metal False Ceiling	Aluminum tiles shall be made from 0.7 mm Aluminum sheets pressed to form panels/strips, chromated before finished with polyester paint by electrostatic process.(ii) Baffle Metal Ceiling System: The Ceiling Baffle Panels should have thickness of 0.7mm & Humidity Resistance of 100% RH, Average NRC 0.80, Light Reflectance 61%, RAL Finish Fire Performance Class BS476 PART 6 in module size (iii) 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm (iv) 12.5 mm thick tapered edge gypsum moisture resistant board	Sqm	200.00	1910400	38.21
14	Roofing Sheet	<p>i) Minimum yield strength of 300MPa, metallic coated with Zinc-Aluminium alloy (i.e. 55% Al, 43.4% Zinc, 1.6% Si - Zinalume), AZ150 (min 150 gm/m2 total on both side), pre-painted with Super Durable Polyester quality paint includes inorganic infrared reflective pigment (High SRI-"Thermatech technology") of 20µm exterior coat on top surface and 5µm reverse coat on back surface over 5µm primer coat on both surfaces of approved color shade .</p> <p>(ii) 0.45mm BMT Zinalume - 55% Al-Zn alloy coated steel with coating mass of 150 g/m2 total on both side, having yield strength of 550 MPa</p> <p>(iii) Aluminium Profile Standing Seam 65 mm rib height and 400 mm width of STRAIGHT/CURVED profiled panel as per the Roof Geometry, manufactured from Aluminium Alloy AA 3004/5052 - Alloy as specified in BS EN1396:2007, minimum material thickness of 0.9 mm with 25 microns PVDF2 finished. The material properties shall be as follows: Ultimate tensile strength: minimum 200 N/mm²; 0.2% Proof Stress: min 185 N/mm², Modulus of elasticity: 70,000 N/mm².</p>	Sqm	2500.00	229248	57.31
15	Paint	As per manufacture specification.VOC less than 50 gm/litre and UV resistance as per IS 15489:2004	Litre	250.00	3056640	76.42
16	Doors/Windows Wooden/uPVC/Aluminium/Steel	-extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285/12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823/aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade/35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001/Fire resistant door	Sqm	2125.00	449506	95.52

619891/2020/O/ED(WR-ENG)

	Normally cast (spun) iron pipes as per IS 15905/Ductile Iron class K - 9 pipe Conforming to I.S. 8329/SS pipe 304 grades with press fit technology as per JIS 3448/Polyethelene-Aluminium-Polyethelene PE-ALPE Composite Pressure Pipes conforming to IS - 15450/3 layer PP-R (Poly propylene Random copolymer) pipes conforming to IS 15801/Chlorinated Polyvinyl Chloride (CPVC) pipes	Metre	225.00	5094400	114.62
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Financial Year - 2023-24

Sr. No.	Description of Item	Broad Specification Parameters	Accounting Unit (Nos/Kilo-meters/Tonne ...)	Rate	Qty	Estimated Value of Procurement INR (Crores)
1	Bricks /AAC Block	Fly ash bricks conforming to I.S. 12894 Autoclaved aerated cement (AAC) blocks	1000 Nos.	5000.00	180612	90.31
2	Glass	Complying with the ECBC-2017 (Energy Conservation Building Code) TOUGHENED LACQUERED GLASS OF SUPERIOR QUALITY CONFIRMING TO BS EN 16477-1:2016	Sqm	1500.00	802720	120.41
3	Cement	Ordinary Portland Cement 43 Grade conforming to IS: 269-2015 or Factory Produced Portland Pozzolana Cement (Flyash based) conforming to IS: 1489 (Part-I)-2015	Tonne	4840.00	995107	481.63
4	Bitumen	Complying to IS 73	Tonne	35000.00	68805	240.82
5	Steel	M.S. tubular section ERW type (round, square or rectangular hollow tube sections) of Yst 310 Grade conforming to IS 1161 / IS 4923. M.S. rolled built up sections and plates of E250 BR Grade conforming to IS 2062 High Yield Strength Deformed Bars (HYSD) Fe500D or more conforming to IS 1786	Tonne	75000.00	84286	632.15
6	Coarse Aggregates	Confirming to IS 383	Cum	1380.00	1526913	210.71
7	Sand	Confirming to IS 383	Cum	1050.00	1003400	105.36
8	Vitrified Tiles	Double charge heavy duty Vitrified tiles (Polish / satin Finish/ anti-skid/ Matt finish) having water absorption less than 0.5% and confirming to IS:15622	Sqm	750.00	401360	30.10
9	Ceramic Tiles	confirming to IS:15622	Sqm	400.00	188138	7.53
10	Kota Stone	As per local market (Natural Stone)	Sqm	320.00	235172	7.53
11	Granite Stone	As per local market (Natural Stone)	Sqm	1800.00	836167	150.51
12	ACP	<ul style="list-style-type: none"> Skin Material: 0.5mm thick aluminum sheets of Alloy 5xxx series – H22/24 Core Material: 3mm thick core comprising around 90% non-combustible mineral and balance virgin polymer. 	Sqm	2500.00	120408	30.10
13	Metal False Ceiling	Aluminum tiles shall be made from 0.7 mm Aluminum sheets pressed to form panels/strips, chromated before finished with polyester paint by electrostatic process.(ii) Baffle Metal Ceiling System: The Ceiling Baffle Panels should have thickness of 0.7mm & Humidity Resistance of 100% RH, Average NRC 0.80, Light Reflectance 61%, RAL Finish Fire Performance Class BS476 PART 6 in module size (iii) 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm (iv) 12.5 mm thick tapered edge gypsum moisture resistant board	Sqm	200.00	1505100	30.10
14	Roofing Sheet	<p>i) Minimum yield strength of 300MPa, metallic coated with Zinc-Aluminium alloy (i.e. 55% Al, 43.4% Zinc, 1.6% Si - Zinalume), AZ150 (min 150 gm/m2 total on both side), pre-painted with Super Durable Polyester quality paint includes inorganic infrared reflective pigment (High SRI-"Thermatech technology") of 20µm exterior coat on top surface and 5µm reverse coat on back surface over 5µm primer coat on both surfaces of approved color shade .</p> <p>(ii) 0.45mm BMT Zinalume - 55% Al-Zn alloy coated steel with coating mass of 150 g/m2 total on both side, having yield strength of 550 MPa</p> <p>(iii) Aluminium Profile Standing Seam 65 mm rib height and 400 mm width of STRAIGHT/CURVED profiled panel as per the Roof Geometry, manufactured from Aluminium Alloy AA 3004/5052 - Alloy as specified in BS EN1396:2007, minimum material thickness of 0.9 mm with 25 microns PVDF2 finished. The material properties shall be as follows: Ultimate tensile strength: minimum 200 N/mm²; 0.2% Proof Stress: min 185 N/mm², Modulus of elasticity: 70,000 N/mm².</p>	Sqm	2500.00	180612	45.15
15	Paint	As per manufacture specification.VOC less than 50 gm/litre and UV resistance as per IS 15489:2004	Litre	250.00	2408160	60.20
16	Doors/Windows - Wooden/uPVC/Aluminium /Steel	extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285/12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823/aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade/35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001/Fire resistant door as NBC 2016 requirement	Sqm	2125.00	354141	75.25

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		manually cast (spun) iron pipes as per IS 15905/Ductile Iron class K - 9 pipe Conforming to I.S. 8329/SS pipe 304 grades with press fit technology as per JIS 3448/Polyethelene-Aluminium-Polyethelene PE-ALPE Composite Pressure Pipes conforming to IS - 15450/3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS 15801/Chlorinated Polyvinyl Chloride (CPVC) pipes	Metre	225.00	4013600	90.31
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