

Organisation Chain : Airports Authority of India||Northern Region -
AAI||SRINAGAR - AAI||ENGG CIVIL-SRINAGAR - AAI
Tender Reference Number : CHIAL/ENGG(C)/Cargo Shed/2020-21
Tender ID : 2021_AAI_79861_1
Tender Title : Construction of 4 nos. Self Supported Steel roof Structures
for Cargo building at Chandigarh International Airport Ltd.,
Mohali., (Balance Works) S.H Civil Works

Packet Description : Financial

**Committee Chairperson / Co-ordinator
Type:** ☒ Internal ☐ External

**Committee Chairperson / Co-ordinator
Name :** Rajesh Sharma, AGM (E)

Committee Members Ashvin Kumar Singh, AGM (E-E),
Surender Kumar, Manager (Fin.)
Mandeep Singh, Manager (E-C)

Comparative Sheet after opening of Financial Bid.

**Name of Work: Construction of 4 nos. Self Supported Steel roof Structures for Cargo building at Chandigarh International Airport Ltd., Mohali.,
(Balance Works) S.H:- Civil Works**

	Tender ID	2021_AAI_79861_1									
	Date of opening of Financial Bid (Env-II)	07.07.2021									
Sl.No	Description of Work / Item(s)	Qty	Unit	M/s Classion Projects (I) Pvt. Ltd.		M/s S S BUILDERS		M/s Modality Infrastructure LLP		M/S B.N ENTERPRISES	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1.00	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete	212.50	cum	1900	403750	930	197625	1400	297500	1000	212500
2.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level (a) 1:4:8 (1 Cement : 4 Coarse sand : 8 Graded Stone Aggregate 40 mm. Nominal Size)	241.75	cum	4164	1006647	3350	809862.5	4550	1099962.5	3400	821950
3.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (A) "1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	207.40	cum	4400	912560	4600	954040	5450	1130330	3550	736270
4.00	Centering And Shuttering Including Strutting propping etc. And removal of form for all heights (a) Lintels, beams, plinth beam, girders, bressumers and cantilevers.	25.62	sqm	550	14091	280	7173.6	600	15372	250	6405
5.00	Providing and fixing up to floor five level precast cement concrete hollow block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete. (a) 1:1½:3 (1 Cement: 1½ coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	12.10	Cum	7411	89673.1	6000	72600	9500	114950	3750	45375

6.00	6 mm cement plaster of mix : (a) 1:3 (1 cement : 3 fine sand)	350.00	Sqm	300	105000	220	77000	210	73500	220	77000
7.00	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	5099.73	kg	105	535471.65	83	423277.59	80	407978.4	85	433477.05
8.00	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge	150.00	sqm	750	112500	620	93000	600	90000	590	88500
9.00	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm ²), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge. 10 x 160 mm	480.00	each	150	72000	64	30720	100	48000	200	96000
10.00	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. a) 80x1.20 mm M.S. laths with 1.20 mm thick top cover	160.00	sqm	3250	520000	3200	512000	2400	384000	2850	456000

11.00	Providing and fixing ball bearing for rolling shutters.	16.00	Each	700	11200	480	7680	500	8000	450	7200
12.00	Extra for providing mechanical device chain and crank operation for operating rolling shutters. (A) Exceeding 16.80 sqm in area	160.00	Sqm	1300	208000	1000	160000	800	128000	650	104000
13.00	Extra for providing grilled rolling shutters manufactured out of 8 mm dia M.S. bar instead of laths as per design approved by Engineer-in- charge, (area of grill to be measured).	48.00	Sqm	725	34800	1200	57600	550	26400	450	21600
14.00	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick : Particle Board 12 mm thick Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS:12823 marked	324.00	sqm	1050	340200	1430	463320	1200	388800	1500	486000
15.00	Providing and fixing pressed steel door frames conforming to IS: 4351,manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: (a) Profile B Fixing with adjustable lugs with split end tail to each jamb	51.00	metre	640	32640	480	24480	350	17850	400	20400

16.00	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: (a) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	19.00	sqm	2000	38000	2250	42750	1300	24700	2450	46550
17.00	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : (a) 250x16 mm	20.00	each	350	7000	200	4000	200	4000	198.64	3972.8
18.00	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete. Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides.	422.00	Sqm	1300	548600	670	282740	700	295400	500	211000
19.00	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia 4 mm	150.00	Sqm	476	71400	630	94500	600	90000	600	90000
20.00	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	69.21	Sqm	200	13842	65	4498.65	90	6228.9	90	6228.9

21.00	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	356.68	Sqm	700	249676	700	249676	600	214008	585	208657.8
22.00	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	200.00	Mtr	270	54000	320	64000	200	40000	240	48000

23.00	Providing and applying sodium silicate based transparent surface hardener, dust proofer, ceiling & curing compoud coating for concrete (minimum 2 coats) of make SIKKA/FOSROC/BASF or equivalent on existing hardened cement concrete floor to provide improved chemical and abrasion resistance, reducing dusting and improving cleanability to concrete floor. Material shall confirm to ASTM C-156 for water retention & abrasion resistance as per IS 1237 - 1980 & IS 9162 - 1979 and the consumption of material should be minimum 0.30 Kg./sqm/coat. The item should be executed properly complete as per manufactures specification and as per direction and satisfaction of engineer in charge.	2660.00	Sqm	156	414960	148	393680	350	931000	220	585200
24.00	Fixing of Existing MS Gates Panel of height approx. 3 metre including provision of hinges, ball bearings, nuts etc. for smooth operation including machinery, manpower etc. all complete as per direction and satisfaction of Engineer-in-charge. The MS gate panels are fabricated already and will be provided by department.	8.00	Each	6000	48000	2500	20000	7000	56000	12000	96000
25.00	Cutting of existing MS reinforcement bars projected over existing top beam of boundary wall and on sides of boundary wall by cutting machine, manpower, scaffolding, collection of cutted bars and making good the top of concrete complete as per direction & satisfaction of Engineer-in-charge. The cutted bar will be handed over to department & will be the property of CHIAL.	260.00	Each	20	5200	30	7800	30	7800	25	6500
	Total in Figures				5849210.75		5054023.34		5899779.80		4914786.55
					L3		L2		L4		L1

Lowest Amount Quoted By : M/s B.N. ENTERPRISES (4914786.55)

Summary

Sl.No	Bidder Name	Amount	Bid Rank
1	M/s B.N ENTERPRISES	4914786.55	L1
2	M/s S S BUILDERS	5054023.34	L2
3	M/s Classion Projects (I) Pvt. Ltd.	5849210.75	L3
4	M/s Modality Infrastructure LLP	5899779.80	L4