

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
(AIIMS), ANSARI NAGAR, NEW DELHI**

**Construction of Canopy & allied works at
CN Centre at AIIMS, Ansari Nagar,
New Delhi**

**Bill of Quantities
(B.O.Q.)**

VOLUME - II

MAY' 2014



**HSCC (INDIA) LTD.
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)
E-6(A), Sector-1, NOIDA(U.P) 201301 (India)**

Phone : 0120-2542436-40

Fax : 0120-2542447

Tender No. HSCC/AIIMS/CANOPY/2014

Construction of Canopy & allied works at CN Centre at AIIMS, Ansari Nagar, New Delhi

Bill of Quantities (Civil)

Item No	Description Of Item	Total Qty	Unit	Rate in Figures (Rs.)	Rate in Words (Rs.)	Amount in Figures (Rs.)
1	2	3	4	5	6	7
1.01	Stone work (machine cut edges) for wall lining etc. (vener work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately) :					
a)	Red sand stone - Exposed face machine cut and table rubbed with rough backing					
i)	30 mm thick	46.00	Sqm			
1.02	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					
a)	In gratings, frames, guard bar, ladder, railings, brackets, gates, signage and similar works.	2626.00	Kg			
1.03	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :					
a)	25 mm thick.	66.00	Sqm			
1.04	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					
a)	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	131.00	Sqm			

Item No	Description Of Item	Total Qty	Unit	Rate in Figures (Rs.)	Rate in Words (Rs.)	Amount in Figures (Rs.)
1	2	3	4	5	6	7
1.05	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.					
b)	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	66.00	Cum			
1.06	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	46.00	Sqm			
1.07	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:					
	a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.					
	b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.					
	c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing					

Item No	Description Of Item	Total Qty	Unit	Rate in Figures (Rs.)	Rate in Words (Rs.)	Amount in Figures (Rs.)
1	2	3	4	5	6	7
	<p>The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.</p>	330.00	Sqm			
	Total Amount					

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