

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

**Additional Electrical Works for Anatomy and  
other Departments at Convergence Block at  
AIIMS, New Delhi**

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

**VOLUME - II**

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HSCC (INDIA) LTD.  
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**Tender No. HSCC/AIIMS/CONVERGENCE/ELECT-II/2015a**

NAME OF BIDDER/ CONTRACTOR

BOQ FOR CONVERGENCE BLOCK OF ADDITIONAL ELECTRICAL WORKS AT AIIMS, NEW DELHI

S.No.	Description.	Unit.	Total Qty.	Rate in Figures (In Rs.)	Rate in words (In Rs.)	Amount (In Rs.)
<b>1</b>	<b>MCB DISTRIBUTION BOARD</b>					
<b>1.1</b>	<b>i</b> Supplying, installation, testing and comissioning of following way, TPN DB Horizontal Type distribution board with incoming with RCCB and outgoing as per detail (Schneider/ ABB/Hagger/L&T)					
	I/c - Four pole 63Amp MCB, C-curve-1No.					
	RCCB 300mA--1Nos					
	O/G- SP MCB-(6A-32A) C-curve--24Nos					
	8 way (8+24), Double door	Each	8			
<b>1.2</b>	Supplying and fixing Single pole Blanking plate in the existing MCB DB complete as required.	Each	4			
<b>1.3</b>	supply ,fixing, testing of 63Amp four pole MCB in existing panel including termination.	each	10			
<b>2</b>	<b>WIRING</b>					
<b>2.1</b>	Circuit Wiring for Power Points in existing Conduits/ Raceway or Trunking complete as required as per following--					
	<b>i</b> 2x4sqmm +1x4sqmm PVC insulated FRLS copper Wire	meter	4000			
	<b>ii</b> 2x6sqmm +1x6sqmm PVC insulated FRLS copper wire	meter	300			
	<b>iii</b> 2x2.5sqmm +1x2.5sqmm PVC insulated FRLS copper wire	meter	700			
	<b>iv</b> 2x1.5sqmm +1x1.5sqmm PVC insulated FRLS copper wire	meter	300			

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2.2	Supplying , fixing and termination of Power points including ( 2Nos 5/6pin 15/16Amp modular socket outlet with shutters controlled by Two Nos-15 Amp switch with indicator, base plate including modular cover plate, connections in existing PVC chaneel /MS BOX, etc. complete as required.	Each	300			
2.3	Supplying and fixing following size /modules GI box alongwith modular base & cover plate for modular switch /sockets in recess/surface etc as required					
i	3 modle	Each	50			
ii	6module	Each	150			
iii	8module	Each	150			
2.4	Supplying and fixing following modular switch/socket on the exising modular plateand switch box including connectionsbut excludings modular plateetc as required					
i	5/6 amp switch		50			
	15/16 amp switch		100			
	3pin 5/6 amp socket outlet		100			
	6pin 15/16 amp socket out let		100			
2.5	Supplying and fixing 20 amps, 240 volt ,SPN industrial type socket outlet, with 2 pole and earth metal enclosed plug top alongwith 20 amp c curve SP MCB in steel enclosure on surface or recess with with chained metal cover for the socket outlet and complete with connections , testing and commssioning etc as required.		25			

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S.No.	Description.	Unit.	Total Qty.	Rate in Figures (In Rs.)	Rate in words (In Rs.)	Amount (In Rs.)
2.6	Supplying and fixing 32 amps, 240 volt ,SPN industrial type socket outlet, with 2 pole and earth metal enclosed plug top alongwith 32 amp c curve SP MCB in steel enclosure on surface or recess with with chained metal cover for the socket outlet and complete with connections , testing and commssioning etc as required.		20			
2.8	Supplying and fixing 20amps, 415 volt ,TPN industrial type socket outlet, with 4 pole and earth metal enclosed plug top alongwith 20 amp c curve TP MCB in steel enclosure on surface or recess with with chained metal cover for the socket outlet and complete with connections , testing and commssioning etc as required.		10			
2.9	Supplying and fixing 32amps, 415 volt ,TPN industrial type socket outlet, with 4 pole and earth metal enclosed plug top alongwith32 amp c curve TP MCB in steel enclosure on surface or recess with with chained metal cover for the socket outlet and complete with connections , testing and commssioning etc as required.		10			
3	Supply and fixing of following sizes of heavy duty PVC channel with all accessories as required including junction boxes, on surface above <b>ceiling/Wall</b> complete as required. (Make as approved by elctrical incharge)					
i	100mm x 60mm	Meter	300			
ii	25 mm PVC casing capping	Meter	200			
4	<b>M.S. Perforated Cable Tray</b>					
i	Fabrication and Installing following size of preforted M.S Cable tray including Horizontal and vertical bends , reducers , tee, crossmember and other accessories as required and duly Suspended from the ceiling with M.S 12mm rod suspenders and including paiinting etc. as required.					
	100mmwidth x 50 mm depth x1.6mm thickness	metre	20			

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<b>5</b>	<b>Conduit</b>					
<b>5.1</b>	Supply and fixing of following sizes of rigid PVC conduit alongwith the accessories in recess/Surface as required					
<b>i</b>	25 mm dia	Metre	600			
<b>ii</b>	32 mm dia	Metre	80			
<b>5.2</b>	Supply and fixing 25 mm GI flexible conduit for wiring with all accessories	Meter	500			
<b>6</b>	<b>LT CABLES</b>					
<b>6.1</b>	Supply of following sizes of 1.1 kV grade multicore aluminium conductor armoured XLPE cable as per IS 7098					
<b>i</b>	4 Core 16 Sqmm.	Metre	500			
<b>ii</b>	8swg G.I. Earth Wire	Meter	500			
<b>6.2</b>	Laying of one number PVC insulated and PVC sheathed power cable 1.1kV grade on surface or on existing cable tray complete as required.					
	Size not exceeding 25 sq.mm	Metre	500			
<b>6.3</b>	Supplying and making end termination with suitable size Aluminium lugs including glands of following sizes of 1.1. kv grade multicore aluminium conductor PVC insulated and PVC sheathed					
<b>i.</b>	4 Core 16 Sqmm.	Each	20			

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S.No.	Description.	Unit.	Total Qty.	Rate in Figures (In Rs.)	Rate in words (In Rs.)	Amount (In Rs.)
7.00	Supplying and fixing two module modular plate Inculding RJ-45 (computer socket) with GI box complete as required.	Each	100			
8.00	Supply , Insttaltion, testing commissiiong of following fiiting including lamp, choke ,starter and required accessories					
i	2X TL5 28 watt box type flourescent light fixture similar to Philips TMS 122M 2XTL5 28W EBT with reflector or approved equivalent.	Each	30			
ii	3X PLL 36 watt recess mounted square light luminaire (Philips FBS 300 3XPLL36W EBP P5 or approved equivalent).	Each	10			
<b>TOTAL (in Rs.) (in Figures)</b>						