

HSCC (INDIA) LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)
E-6(A), Sector-1, NOIDA (U.P) - 201301

Date: 11.06.2024

AMENDMENT NO. - VIII

Subject: Tender for “Construction of Super Speciality OPD Block at Masjid Moth in AIIMS, New Delhi and their Maintenance during Defect Liability Period on Comprehensive Design, Engineering, Procurement and Construction (EPC) basis”

Tender No: HSCC/AIIMS/OPD -AIIMS/EPC/2024/40 dated 15/03/2024

This has reference to above tender; the following Amendment may be noted which shall be treated as part of the contract to be uploaded & submitted along with their tender/ bid:

1. Refer - “Schedule of Stage Payment of Works (Annexure- A)” is hereby amended & enclosed alongwith this amendment.

Prospective bidders are advised to follow the “**Revised - Schedule of Stage Payment of Works (Annexure- A)**” only.

All other terms & conditions remain unchanged.

Prospective bidders are advised to regularly visit through HSCC e-tender portal <https://hsc.enivida.com> & HSCC website <http://www.hsccltd.co.in> as corrigendum/amendments etc. if any, will be notified on this portal only and no separate advertisement will be made for this.

(– sd –)
General Manager (Projects)
HSCC (India) Ltd.

**HSCC(India) Limited
As Executing Agency of AIIMS, New Delhi**

EPC Contract

**Construction of New OPD Block at Masjid Moth in AIIMS, New Delhi and their
Maintenance during Defect Liability Period on Comprehensive Design,
Engineering, Procurement and Construction (EPC) basis.**

**Revised - Schedule of Stage Payment of Works
(Annexure -A)**



Executing Agency

**HSCC (INDIA) LIMITED
(A Subsidiary of NBCC (India) Limited)
(A GOVERNMENT OF INDIA ENTERPRISE)
E-6A, Sector-01, Noida-201301**

Tender No. HSCC/AIIMS/OPD -AIIMS/EPC/2024/40

REVISED - SCHEDULE OF STAGE PAYMENT OF WORKS

Payment Schedule : The Amount quoted by the Contractor shall be divided as follows:

S.no	Description	Individual %	Cumulative %
1	Civil, plumbing & Firefighting works	59.40%	59.40%
2	Electrical Works	17.10%	76.50%
3	HVAC Works	9.00%	85.50%
4	IT Works	1.80%	87.30%
5	SES WORKS (MGMS AND PTTS)	1.35%	88.65%
6	Furniture	1.35%	90.00%
7	Testing & commissioning & handing over to Client	10.00%	100.00%
		100.00%	

Project Name :- Tender for "Construction of Super Speciality OPD Block at Masjid Moth in AIIMS, New Delhi and their Maintenance during Defect Liability Period on Comprehensive Design, Engineering, Procurement and Construction (EPC) basis".				
Client :- ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), NEW DELHI				
<u>REVISED - SCHEDULE OF STAGE PAYMENT</u>				
S/N	Particulars	Break-up of Total % Payable Cost		
		Item %	Individual %	Cumulative %
I	Civil, plumbing & Firefighting works		59.40%	59.40%
	Planning, Designing, and Construction on EPC Basis of Super Speciality OPD Block at Masjid Moth in AIIMS, New Delhi as per Architectural Plan & Sections (Enclosed) with all plumbing and firefighting works, UGT, ETP, WTP etc., with support services & allied facilities by incorporating stipulated specifications as per scope of work and directions of Engineer In charge			
1-A	On submission and approval of Good for construction Drawings & Design Deliverables from HSCC			
1-A-i	Civil Architectural (Site Layout Plan with Building Coordinates, Submission of model, Building Plans, Sections and Elevations, Flooring Plans & Dado Details with sections and elevations, 3D Views for all locations such as Consultant room, lobby, ICU, Corridor, Toilet, Landscape Plan etc and finishing schedule for all floors, Door and Window details, Road, parking, footpath layout and external development plans with sections, Plantation Layout mentioning species names, size and height, External Street Lighting layout plan with material schedule, External and internal signages details etc.), Structure drawings (Foundation drawings, structural details, Beam and slab reinforcement details, Road, trench, culvert, parking, RCC Drain, sewerage, effluent, storm water layout, Footpath Details, Underground tank details WTP and ETP details etc.), PHE drawings (Building plumbing and sanitary details, Sewerage scheme and details, Drainage scheme and details, Water supply scheme and details, ETP, R.O- Mechanical GA, HFD etc., Rain Water Harvesting, Underground tank and water treatment plant schematic details, Water Pumps technical details and data sheet etc.), flooring & finishing & signage works.	100.00%	0.50%	
1-B	Upon receipt of Pre and post Local Body Clearances/Approvals/NOCs			
	Pre-Construction Approvals/Clearances viz., Approval from New Delhi Municipal Corporation ,Pre construction Clearance from Fire Department, Consent to establish from Pollution Control Board, Labour License, Tree Cutting/ Transplant Permission from Forest Department etc. Post-construction Approvals viz., Consent to operate including EC compliances from Pollution Control Board, Occupancy Certificate from New Delhi Municipal Corporation , Final Clearance/NOC from Fire Department, GRIHA Certification (Minimum 3 star), Clearance from Electrical Inspectorate & Lift Inspectorate etc.	100.00%	0.50%	
1-C	Construction: Super Speciality OPD Block at Masjid Moth in AIIMS, New Delhi			
1-C-1	Foundation Work:			
1-C-1.i	On completion of foundation and substructure works up to plinth level	10.00%	40.00%	
1-C-2	On completion of foundation and substructure works up to plinth level	35.00%		
1-C-3	Walls & Partion :Brickwork & partitioning work including brick work	7.00%		
1-C-4	Doors & Windows i/c windows to meet Acoustical requirement.	6.00%		
1-C-5	Flooring, skirting, dado, wall lining work, acoustic insulation, wall guard, tactile tile flooring etc.	17.00%		
1-C-6	False Ceiling , terracing , water proofing etc.	8.00%		
1-C-7	Finishing work :Internal & External Plaster & Painting	5.00%		
1-C-8	External Structure Glazing, GRC Jali, External Cladding including framing and water-proofing etc	8.00%		
1-C-9	SS/MS Railing (including epoxy painting) /Grills/domes etc	4.00%		
1-D	Fire fighting System works (Execution)			
1-D-1-i	Wet Riser System /Down Comer System	35.00%	4.00%	
1-D-1-ii	Automatic Sprinkler System	20.00%		
1-D-1-iii	Fire Extinguishers	10.00%		
1-D-1-iv	Fire Hydrant Installation as per DBR/Specification	25.00%		
1-D-1-v	Fire sealing of the ducts and shafts	10.00%		
1-E	Execution of Internal PHE works including water supply and sewerage system including fittings and fixtures			
1-E-1-i	Laying & Fixing of Internal water Supply & Seweargae Pipe Lines	35.00%	4.00%	
1-E-1-ii	Installation of Fitting & fixtures	65.00%		
2	External Development: Planning, Designing, and Construction on EPC Basis of External Development including various infrastructure required and as specified in the approved Master plan including Roads Street Lighting, Tree Plantation Horticultutre, Landscaping etc. with support services & allied facilities by incorporating stipulated specifications, as per scope of work and directions of Engineer In charge			

S/N	Particulars	Break-up of Total % Payable Cost		
		Item %	Individual %	Cumulative %
2-A-x	Signage	15.00%	5.00%	
2-A-xi	Horticulture Operations including 30cm earth filing , grassing , tree plantations/shurbs and potted Plants etc.	15.00%		
2-A-xii	Roads, Footpaths & Parking,Compound Wall	70.00%		
2-B	External PHE works (Execution)			
2-B-i	Underground Tank	12.00%	5.40%	
2-B-ii	Domestic Terrace Tank	9.00%		
2-B-iii	Fire Terrace Tank	1.00%		
2-B-iv	Solar Hot water System	2.00%		
2-B-v	Water Treatment Plant and Effluent Treatment Plant (STP & ETP)	6.00%		
2-B-vi	Borewell	1.00%		
2-B-vii	Hydropneumatic system/WTP/Softner/RO/water cooler	5.00%		
2-B-Vii	Water curtain	1.00%		
2-B-viii	External Sewer & Drainage	9.00%		
2-B-ix	Filter Water Supply (Distribution Lines & Perpherial Grid)	10.00%		
2-B-x	Unfiltered Water Supply Distribution Lines	14.00%		
2-B-xi	Storm Water Drainage pipelines	14.00%		
2-B-xii	Rain water harvesting	12.00%		
II	Electrical Works		17.10%	76.50%
1-A	On submission and approval of Good for construction Drawings & Design Deliverables from HSCC			
1-A-i	Submission of Credential, Shop Drawings & technical datasheets for Electrical works viz., Electrical power and lighting layout plans, Transformer technical details and data sheet, Electrical Substation Layout and GA drawings and technical datasheets of all electrical panels such as HT,LT, MV and road lighting panels etc., GA drawings and technical data sheets of busduct , DG set and AMF panel, Earthing details Layout and lightening protection drawing, Cable schedule (Internal and external),External Street Lighting Layout,CCTV, IPABX , Fire alarm system, PAS, Solar PV Cells, IBMS Layout, Lift and Escalators Technical datasheets and drawings	1.47%		
1-A-ii	Submission and approval of shop drawings for conduting and wiring of elctrical layout of lighting , power of all the floors	0.15%		
1-A-iii	Submission and approval of shop drawings for conduting and wiring of elctrical layout of LV works (i.e. CCTV and PA system, FDA, IPABX, , IBMS, solar PV , external (CCTV and PA etc.) of all the floors	0.29%		
1-A-iv	Submission and approval of shop drawings for elctrical layout of sub station.	0.59%		
1-A-v	Submission and approval of Technical data sheet of all electrical equipments.	0.44%		
1-B	Internal Electrical works :			
1-B1-i	Slab conduting ,wall condouting, wiring (Point wiring , 5amp & 15/20 amp) , GI Boxes, switch plates and sockets , , and all other accessories	9.09%		
1-B1-ii	supply and laying of Slab conduting ,& wall conduting (complete up to points)	2.73%		
1-B1-iii	supply and Fixing of GI Boxes & wiring of Points , 5Amp plug and 15 Amp points etc ,complete	3.64%		
1-B1-iv	supply and Fixing of switch and sockets and terminations of wires	2.73%		
1-B2	Distribution Boards and MCBs completes with Accessories	0.88%		
1-B2-i	supply of Distribution Boards with MCBs	0.53%		
1-B2-ii	Installation with MCBs in DB all accesories with termination of all wires with ferruling	0.35%		
1-B3	Submain ,conducting and submain wiring , cable tray raceway etc	10.90%		
1-B3-i	Supply of Submain ,conducting and submain wiring , cable tray raceway	5.45%		
1-B3-ii	Installation / laying of Submain ,conducting and submain wiring , cable tray raceway	5.45%		
1-B4	Rising Mains, end feed units & tap off etc completes with accessories	2.28%		

S/N	Particulars	Break-up of Total % Payable Cost		
		Item %	Individual %	Cumulative %
1-B4-i	Supply of Rising Mains, end feed units & tap off etc completes with Accessories	1.60%	15.53%	
1-B4-ii	Installation of Rising Mains, end feed units & tap off etc completes with Accessories	0.68%		
1-B5	MV panels, /Floor panels, Metering panels	1.30%		
1-B5-i	Supply of MV panels, /Floor panels, Metering panels	0.91%		
1-B5-ii	Installation of MV panels, /Floor panels, Metering panels	0.39%		
1-B6	Light Fixtures, fans Exhaust fans and Aviation Light and accessories including Lighting Automation and Occupancy Sensors	3.89%		
1-B6-i	Supply of Light Fixtures, fans Exhaust fans and Aviation Light and accessories .	2.72%		
1-B6-ii	Installation of Light Fixtures, fans Exhaust fans and Aviation Light and accessories .	1.17%		
	L V SYSTEM			
1-C1	CCTV Surveillance System including cameras, switches, cables, conduiting etc,	3.82%		
1-C1-i	Slab conduiting/ wall conduiting for CCTV system	0.38%		
1-C1-ii	Wiring of CCTV system	1.15%		
1-C1-iii	Supply of CCTV System	1.34%		
1-C1-iv	Installation of CCTV System	0.96%		
1-D1	Fire Alarm System including conduiting ,all devices , panel, hooters , cables etc	3.31%		
1-D1-i	Slab conduiting/ wall conduiting for FDS system	0.33%		
1-D1-ii	Wiring for FDA devices	0.99%		
1-D1-iii	Supply of FDA system including , switches, patch cords etc	1.32%		
1-D1-iv	Installation of FDA System complete	0.66%		
1-E1	Public Address system ncluding conduiting ,all devices, Speekers, amplifries cables etc	0.98%		
1-E1-i	Slab conduiting/ wall conduiting	0.10%		
1-E1-ii	Wiring for PA system	0.29%		
1-E1-iii	Supply of PA system	0.39%		
1-E1-iv	Installation of PA System	0.20%		
1-F1	Telepone/ IPBAX system completes with devices & accessories	3.03%		
1-F1-i	Slab conduiting/ wall conduiting	0.30%		
1-F1-ii	wiring for IPBAX system	0.91%		
1-F1-iii	Supply of IPBAX system including all software and all accessories to complete the commissioning the system	0.91%		
1-F1-iv	Supply of Instruments	0.30%		
1-F1-v	Installation of IPBAX System	0.61%		
1-G1	TV system	0.18%		
1-G1-i	Slab conduiting/ wall conduiting	0.07%		
1-G1-ii	wiring for TV system/ GI boex and switch sokets and other necessary items for commisiiong the system	0.11%		
	LIFT AND ESCALATORS			
1-I1	Lifts & Escalators with all accesories for commissioning	11.28%		
1-I1-i	Supply of Lifts and Escalators	6.77%		
1-I1-ii	Installation of Lifts and Escalators for commissioning	4.51%		
	IBMS			
1-J1	Building Management system with devices & accessories	5.09%		
1-J1-i	Slab conduiting/ wall conduiting	0.51%		
1-J1-ii	wiring for BMS system	1.27%		
1-J1-iii	Supply of BMS system including all software and all accessories to complete the commissioning the system	1.78%		
1-J1-iv	Installation of BMS System	1.53%		

S/N	Particulars	Break-up of Total % Payable Cost		
		Item %	Individual %	Cumulative %
	External Electrical:			
2A	HT panels		2.54%	
2A-i	supply		1.78%	
2A-ii	Installation		0.76%	
2B	Main LT Panels		5.10%	
2B-i	supply		3.57%	
2B-ii	Installation		1.53%	
2C	APFC and AHF Panel		2.97%	
2C-i	supply		2.08%	
2C-ii	Installation		0.89%	
2D	BUS DUCT		2.41%	
2D-i	supply		1.69%	
2D-ii	Installation		0.72%	
2E-i	Transformer		6.75%	
2E-i	supply		4.73%	
2E-ii	Installation		2.03%	
2F	DG-Set and synchronisation panel and Exhaust Chimney with control cabling & other accessories to complete for commissioning the system		7.82%	
2F-i	supply		5.47%	
2F-ii	Installation		2.35%	
2G	HT CABLES		0.58%	
2G-i	Supply of HT cables		0.41%	
2G-ii	Laying of HT Cabled		0.17%	
2H	LT CABLES		5.01%	
2H-i	Supply of LT/ Control Cables cables		3.51%	
2H-ii	Laying of LT/ Control Cables		1.50%	
2I	Earthing		1.44%	
2I-i	Supply		0.72%	
2I-ii	Installation		0.72%	
2J	Solar Photovoltaic Power generation		3.20%	
2J-i	Supply		1.60%	
2J-ii	Installation		1.60%	
2K	External Lighting		0.74%	
2K-i	supply		0.37%	
2K-ii	Installation		0.37%	
2L	Safety Materials		0.02%	
2L-i	Supply		0.01%	
2L-ii	Installation		0.01%	
2M	Boom barrier		0.13%	
2M-i	supply		0.09%	

S/N	Particulars	Break-up of Total % Payable Cost		
		Item %	Individual %	Cumulative %
2M-ii	Installation	0.04%		
2N	UPS	2.86%		
2N-i	Supply of UPS	1.72%		
2N-ii	Installation of UPS	0.29%		
2N-iii	Supply Battery of UPS	0.57%		
2N-iv	Installation Battery of UPS	0.29%		
2O	Fire Suppression system (Gas flooding System)	0.93%		
2O-i	Supply	0.56%		
2O-ii	Installation	0.37%		
III	HVAC Works			
1-A	On submission and approval of Good for construction Drawings & Design Deliverables from HSCC ``			
	Submission of Credential, Shop Drawings for HVAC works viz., SLD layout for Master plan, HVAC electrical system, Plant Room technical details, drawings for cooling tower, chillers, pumps etc, Ducting layout, drawings of HVAC Plant Room etc.	60.00%	0.25%	
	Submission of technical datasheets for HVAC works viz., Plant Room equipment technical details, data sheet and drawings for cooling tower, chillers, pumps, AHU, HWG, Fans, etc, Low side & electrical technical data sheet etc.	40.00%		
1-B	HVAC -Works		8.75%	
1-B-i	Highside Equipment			
1	Supply of CHILLER	14.35%		
2	Installation of CHILLER	6.15%		
3	SUPPLY OF PUMP	2.10%		
4	INSTALLATION OF PUMP	0.90%		
5	SUPPLY OF COOLING TOWER	1.40%		
6	INSTALLATOION OF COOLING TOWER	0.60%		
7	SUPPLY OF OTHER EQUIP Viz. Hot Water Generator	0.35%		
8	INSTALLATION OF OTHER EQUIP Viz. Hot Water Generator	0.15%		
1-B-ii	Low Side Equipment			
1	SUPPLY OF AHU+CSU	7.56%		
2	INSTALLATION OF AHU+CSU	3.24%		
3	SUPPLY OF Ventilation Fans VIZ INLINE, AXIAL, CENTRIFUGAL, AIR WASHER, FAN SECTION ETC	3.99%		
4	INSTALLATION OF OF Ventilation Fans	1.71%		
5	SUPPLY OF OTHER EQUIP VIZ EXPENSION TANK	0.42%		
6	INSTALLATION OF OTHER EQUIP VIZ EXPENSION TANK	0.18%		
1-B-iii	SUPPLY OF Piping & Fittings VIZ VALVES ETC	12.32%		
1	INSTALLATION OF Piping & Fittings VIZ VALVES ETC	5.28%		
1-B-iv	SUPPLY OF Ducting	10.36%		
1	INSTALLATION OF Ducting	4.44%		
2	SUPPLY OF ADP	3.22%		
3	INSTALLATION OF ADP	1.38%		
1-B-v	SUPPLY OF Insulation	5.81%		
1	INSTALLATION OF Insulation	2.49%		
1-B-vi	HVAC Electrical works			
1	SUPPLY OF Panels VIZ Main HVAC, distribution , starter etc.	2.80%		
2	Installation OF Panels VIZ Main HVAC, distribution , starter etc.	1.20%		
3	Supply of Cable	5.32%		
4	Installation of of Cable	2.28%		
IV	IT Works		1.80%	87.30%
1-A	IT & Special Services drawing & Design Deliverables viz.,submission of agency credentials, technical datasheets, shop drawings	100.00%	0.25%	
1-B	IT SERVICES (Execution)			
1-B-i	Network (Lan & Wifi) & Security Components	87.00%		
	Delivery of the equipments at site subject to submission of inspection report.	60.90%		
	Installation and commissioning of the equipments.	17.40%		
	Handing over to client	4.35%		
	Successful completion of 5 years onsite OEM warranty & maintenance support.	4.35%		

S/N	Particulars	Break-up of Total % Payable Cost			
		Item %	Individual %	Cumulative %	
1-B-ii (a)	QMS Hardware	6.50%	1.55%		
	Delivery of the equipments at site subject to submission of inspection report.	4.55%			
	Installation and commissioning of the equipments.	1.30%			
	Handing over to client	0.33%			
	Successful completion of 5 years onsite OEM warranty & maintenance support.	0.33%			
1-B-ii (b)	QMS Software	6.50%			
	Against Preparation & Acceptance by Client and Implementation and acceptance of Application Software (User Acceptance Testing).	0.65%			
	Completion of Training, Final Acceptance Test (FAT) and Go Live.	3.90%			
	Handing over of the system to client.	0.30%			
	Successful completion of 5 years onsite OEM warranty & maintenance support.	1.65%			
V	SES WORKS (MGMS AND PTTS)		1.35%	88.65%	
1-A	On submission and approval of Good for construction Drawings & Design Deliverables from HSCC				
	Submission of Credential , Shop Drawings & technical datasheets for specialized services viz. PTTS and MGMS System	100.00%	0.15%		
	Special Services				
1-A-i	Medical Gas Manifold System	60.00%	1.20%		
1-A-iii	PTTS	40.00%			
	*The stage payment of Special Services is further subdivided as (a) 75% against supply & installation of equipment/items (b) 15% against testing & commissioning of special services and (c) 10% against demonstration & handing over of special services to Client.				
VI	Furniture		1.35%	90.00%	
1	On approval of drawings and samples	5%	1.35%		
2	Supply of furnitures	70%			
3	Installation, Testing and Commissioning of Furnitures	15%			
4	Handing over to Client	10%			
VII	Testing, Commissioning and Handover		10%	100.00%	
1	Testing and Commissioning	50%	5%		
2	Handover to the Client	50%	5%		

Note:
A. Items/Specifications to be provided at any location even though left out in the above provisions but is required as per functional requirements and as per approved drawings shall be provided as per direction of Engineer-in-Charge and the rates for same shall be deemed to be inclusive in quoted rates of the contractor. Nothing extra on this account shall be payable.

B. SUPPLY OF EQUIPMENT/ITEMS :
1. **Supply** means the supply of complete items /equipments along with all accessories to complete the installation.
2. **Installation** means placing and installation of the equipment with all its accessories complete in all respect in their respective locations and ready for commissioning.