

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

Dated : 04.07.2024

AMENDMENT No.– XII

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".

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

This has reference to subject work, the following Amendment may be noted, which shall be treated as a part of the contract to be uploaded along with tender/ bid:

1. The Last date of submission & opening of bids has been extended as follows:

Last date to fill/upload the tender : **upto 15:00 hrs. on 08.07.2024**
through e-Tendering

Date of Opening of bids/tender : on 08.07.2024 at 16:00 hrs.

2. The validity of Bid Security/ Earnest Money Deposit (EMD) to be submitted by the bidder along with their bid in case of Bank Guarantee (BG) shall be minimum period of 180 (One Hundred Eighty) days i.e. valid upto **23.11.2024**.

3. The following amendments/modifications may also be noted :

Sl.No.	Volume Ref.	Sub Head	Page No.	Existing Provision as per tender	As per Amendment
1	Volume V (Tech. Specs.)	Technical Specification for SES Works 1. MGPS	297	The design & selection of all items should be of standard like NFPA 99(latest version) standard and UL listed or ISO-7396-1/DIN/ EN (latest version) and UL listed/European CE/BIS or HTM 02 01 (latest version) /BIS guideline and European CE/BIS. This supersedes single/multiple standards mentioned at any other places in the tender specification involving item/system/capacity etc. The imported products should be of one standard only. All indigenous items should be of high quality and to be compatible to the main system.	The design & selection of all items should be of standard like NFPA 99(latest version) standard and UL listed or ISO-7396-1/DIN/ EN and UL listed/CE/BIS or HTM 02 01 (latest version) /BIS guideline and CE/BIS. This supersedes single/multiple standards mentioned at any other places in the tender specification involving item/system/capacity etc. All indigenous items should be of high quality and to be compatible to the main system.
2	Volume V (Tech. Specs.)	1.1 Fully Automatic Oxygen Control Panel:	297	Automatic control panel should be constructed in accordance with the requirement of international standards. The fully automatic oxygen control panel should comply with HTM 02-01/NFPA 99C/DIN/EN/ISO-7396-1 standards. It should be BIS/US FDA/European CE Certified with 4 digit notified body number or American ETL/ UL listed.	Automatic control panel should be constructed in accordance with the requirement of international standards. The fully automatic oxygen control panel should comply with HTM 02-01/NFPA 99C/DIN/EN/ISO-7396-1 standards. It should be BIS/US FDA/CE Certified.
3	Volume V (Tech. Specs.)	1.4 Oxygen Flow meter with Humidifier Bottle As per guidelines	299	I) should be BIS/European CE certified with 4 digit Notified number/USFDA Certified UL Listed/ETL Listed	I) should be BIS/CE certified /USFDA Certified UL Listed/ETL Listed
4	Volume V (Tech. Specs.)	19. Site Modification	305	a Construction of Overhead/Under Ground trench size approx 1.5mx1m bidder has to provide Overhead/Under Ground trench as standard for interconnection between buildings/plant/manifold/etc block .	a Construction of Overhead/Under Ground trench size approx 1.5mx1m bidder has to provide Overhead/Under Ground trench as standard for interconnection between buildings/plant/manifold/etc will be executed by the civil contractor for the efficiency of the work. All civil and electrical work related to MGPS and PTTS shall be under the scope of civil contractor

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5	Volume V (Tech. Specs.)	3. VACUUM SYSTEMS	299	It should be BIS/US FDA/European CE certified with 4 digit notified body number or American ETL/UL listed. (In-case of NFPA 99c the control panel of Plant must be ETL/UL Listed and Undertaking from manufacturer must be submitted for using the same control panel in the system offered)and should comply with HTM 02-01/ NFPA 99C/EN/DIN/ISO 7396-1	It should be BIS/US FDA/CE certified/American ETL/UL listed. and should comply with HTM 02-01/ NFPA 99C/EN/DIN/ISO 7396-1/ISO 7396-2.
6	Volume V (Tech. Specs.)	4. Ward Vacuum Units As per guidelines	301	7. It should be BIS/US FDA/European CE certified with 4 digit notified body number or American ETL/UL Listed.	7. it should be BIS/CE certified /USFDA Certified UL Listed/ETL Listed
7	Volume V (Tech. Specs.)	6. GAS OUTLETS	302	Outlets should be BIS/US FDA/European CE certified with 4 digit notified body number or American ETL/UL listed.	Outlets should be BIS/US FDA/CE certified/American ETL/UL listed.
8	Volume V (Tech. Specs.)	6. Compact End Station	315	The Pneumatic Station should be controlled by the use of the integrated Touch Panel Display for the following features: 1. Touch screen display with multifunctional operation screen. 2. Touch panel operation via finger, safety gloves or styluses 3. Individual programmable user profiles and customized hotkeys 4. Individual authorization levels for personalized users profiles 5. Touch screen surface protection for easy cleaning addressees are individually programmable; Search button and addressee index simplify the usage. 6. Bar Code Reader for Pharmacy Stations and Blood Bank Stations	The Pneumatic Station should be controlled LCD pannel with memberane Key pad/integrated touch panel display as per decision of HSCC/Client for features mentioned in the tender.
9	Volume IV (DBR)	A. MEDICAL GASES PIPELINE SYSTEM (MGPS)/ MEDICAL GASES MANIFOLD SYSTEM (MGMS)	204	The design & selection of items shall be of standard like NFPA 99c(latest version) standardand UL listed or DIN EN (latest version) ISO-7396-1and UL listed/CE marked/BIS or HTM02 01 (latest version) standard/BIS guidelines and European CE marked/BIS. The importedproducts shall be of one standard only. All indigenou items shall be compatible to the main system.	The design & selection of items shall be of standard like NFPA 99c(latest version) standardand UL listed or DIN EN (latest version) ISO-7396-1and UL listed/CE marked/BIS or HTM02 01 (latest version) standard/BIS guidelines and CE marked/BIS . All indigenou items shall be compatible to the main system.
10	Volume IV (DBR)			Pneumatic Tube system shall be equipped with following major items & equipment of adequate quantity with standby to meet entire load and network of facilities/services of the hospital: MAIN CONTROLLER ROTARY TRANSFER UNIT FRONT LOAD PASS THROUGH STATIONS END STATION MULTI SEND & MULTI RECEIVE STATION DIVERTER THREE WAY SIDE CHANNEL BLOWER TUBE (GREY) 160 MM BENDS SLEEVES CARRIERS WITH RFID RFID TUBING MATERIAL & OTHER ACCESSORIES	Pneumatic Tube system shall be equipped with following major items & equipment of adequate quantity with standby to meet entire load and network of facilities/services of the hospital: MAIN CONTROLLER LINE TRANSFER ZONE/LINEAR COUPLER: (as per specification Vol-5 Pg. No.312) FRONT LOAD PASS THROUGH STATIONS END STATION MULTI SEND & MULTI RECEIVE STATION DIVERTER THREE WAY SIDE CHANNEL BLOWER TUBE (GREY) 160 MM BENDS SLEEVES CARRIERS WITH RFID RFID TUBING MATERIAL & OTHER ACCESSORIES

Sl.No.	Volume Ref.	Sub Head	Page No.	Existing Provision as per tender	As per Amendment
11	Vol.-IV (DBR)	8. High Back Chair	225	<p>Providing and Placing in Position High Back Chair. The cushioned seats shall be made of injection moulded plastic outer and inner. Plastic inner shall be upholstered with pure leather and moulded high resilience polyurethane foam of Density = 45 ± 2 kg/m³, and hardness load 16 ± 2 kgf as per IS:7888 for 25% of compression. Seat size shall be 47.6 cm W x 49.2 cm D. The back shall be cushioned and shall be made up of PU foam with insitu moulded MS ERW round tube of size 1.9 ± 0.03 cm x 0.16 ± 0.0128 cm, upholstered with pure leather. Back size shall be 47.5 cm W x 77 cm D. The armrest top shall be moulded from polyurethane, and shall be upholstered with pure leather and mounted on a drop lift adjustable type tubular armrest support made up of $\text{Ø}3.81 \pm 0.03$ cm x 0.2 ± 0.01 cm thick MS ERW tube having chrome plated finish. The armrest height shall be adjustable up to 6.5 ± 0.5 cm in 5 steps. The adjustable tilting mechanism shall be designed with the following features : 360° revolving type, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort, Tilt tension adjustment can be operated in seating position, 5-position tilt limiter giving options of variable tilt angle to the chair, seat/back tilting ratio 1:2, the mechanism housing is made up of HPDC aluminum black powder coated. Seat depth adjustment shall be integrated in the seat through a sliding mechanism. Seat depth adjustment range shall be 6.0 ± 0.5 cm. Back frame shall be connected to the up/down mechanism housed in plastic T spine. It can be adjusted in the range of 7.42 ± 0.5 cm for the comfortable back support to suit individual need. the pneumatic height adjustment shall have an adjustment stroke of 10 ± 0.3 cm. The pedestal shall be high pressure die cast polished aluminum and fitted with 5 nos. of twin wheel castors. The pedestal shall be 65.0 ± 0.5 cm pitch centre dia. 5 nos. of twin wheel castors shall be injection moulded in plastic having 6.0 ± 0.1 cm wheel diameter and assembled to pedestal Company should be ISO-9001, 14001, 45001, AIOTA and Greenguard certified. Chair as approved by engineer in-charge/employer.</p>	<p>Providing and Placing in Position High Back Chair. The cushioned seats shall be made of injection moulded plastic outer and inner. Plastic inner shall be upholstered with synthetic leather/leatherite and moulded high resilience polyurethane foam of Density = 45 ± 2 kg/m³, and hardness load 16 ± 2 kgf as per IS:7888 for 25% of compression. Seat size shall be 47.6 cm W x 49.2 cm D. The back shall be cushioned and shall be made up of PU foam with insitu moulded MS ERW round tube of size 1.9 ± 0.03 cm x 0.16 ± 0.0128 cm, upholstered with synthetic leather/leatherite. Back size shall be 47.5 cm W x 77 cm D. The armrest top shall be moulded from polyurethane, and shall be upholstered with synthetic leather/leatherite and mounted on a drop lift adjustable type tubular armrest support made up of $\text{Ø}3.81 \pm 0.03$ cm x 0.2 ± 0.01 cm thick MS ERW tube having chrome plated finish. The armrest height shall be adjustable up to 6.5 ± 0.5 cm in 5 steps. The adjustable tilting mechanism shall be designed with the following features : 360° revolving type, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort, Tilt tension adjustment can be operated in seating position, 5-position tilt limiter giving options of variable tilt angle to the chair, seat/back tilting ratio 1:2, the mechanism housing is made up of HPDC aluminum black powder coated. Seat depth adjustment shall be integrated in the seat through a sliding mechanism. Seat depth adjustment range shall be 6.0 ± 0.5 cm. Back frame shall be connected to the up/down mechanism housed in plastic T spine. It can be adjusted in the range of 7.42 ± 0.5 cm for the comfortable back support to suit individual need. the pneumatic height adjustment shall have an adjustment stroke of 10 ± 0.3 cm. The pedestal shall be high pressure die cast polished aluminum and fitted with 5 nos. of twin wheel castors. The pedestal shall be 65.0 ± 0.5 cm pitch centre dia. 5 nos. of twin wheel castors shall be injection moulded in plastic having 6.0 ± 0.1 cm wheel diameter and assembled to pedestal Company should be ISO-9001, 14001, 45001, AIOTA and Green guard certified. Chair as approved by engineer in-charge/employer.</p>
12	Vol.-IV (DBR)	9. Mid Back Chair	226	<p>Providing and Placing in Position Mid Back Chair. The overall dimensions shall be 76.1cmx 76.1cm x 96.5-114cm. Seat height shall be 44.5cm - 54.5cm. The cushioned seats shall be made of injection moulded plastic outer and inner. Plastic inner shall be upholstered with pure leather and moulded high resilience polyurethane foam of Density = 45 ± 2 kg/m³, and hardness load 16 ± 2 kgf as per IS:7888 for 25% of compression. Seat size shall be 47.6 cm W x 49.2 cm D. The back shall be cushioned and shall be made up of PU foam with insitu moulded MS ERW round tube of size 1.9 ± 0.03 cm x 0.16 ± 0.0128 cm, upholstered with pure leather. The armrest top shall be moulded from polyurethane, and shall be upholstered with pure leather and mounted on a drop lift adjustable type tubular armrest support made up of $\text{Ø}3.81 \pm 0.03$ cm x 0.2 ± 0.01 cm thick MS ERW tube having chrome plated finish. The armrest height shall be adjustable up to 6.5 ± 0.5 cm in 5 steps. The adjustable tilting mechanism shall be designed with the following features : 360° revolving type, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort, Tilt tension adjustment can be operated in seating position, 5-position tilt limiter giving options of variable tilt angle to the chair, seat/back tilting ratio 1:2, the mechanism housing is made up of HPDC aluminum black powder coated. Seat depth adjustment shall be integrated in the seat through a sliding mechanism. Seat depth adjustment range shall be 6.0 ± 0.5 cm. Back frame shall be connected to the up/down mechanism housed in plastic T spine. It can be adjusted in the range of 7.42 ± 0.5 cm for the comfortable back support to suit individual need. the pneumatic height adjustment shall have an adjustment stroke of 10 ± 0.3 cm. The pedestal shall be high pressure die cast polished aluminum and fitted with 5 nos. of twin wheel castors. The pedestal shall be 65.0 ± 0.5 cm pitch centre dia. 5 nos. of twin wheel castors shall be injection molded in plastic having 6.0 ± 0.1 cm wheel diameter and assembled to pedestal. chair as approved by engineer in-charge/employer.</p>	<p>Providing and Placing in Position Mid Back Chair. The overall dimensions shall be 76.1cmx 76.1cm x 96.5-114cm. Seat height shall be 44.5cm - 54.5cm. The cushioned seats shall be made of injection moulded plastic outer and inner. Plastic inner shall be upholstered with synthetic leather/leatherite and moulded high resilience polyurethane foam of Density = 45 ± 2 kg/m³, and hardness load 16 ± 2 kgf as per IS:7888 for 25% of compression. Seat size shall be 47.6 cm W x 49.2 cm D. The back shall be cushioned and shall be made up of PU foam with insitu moulded MS ERW round tube of size 1.9 ± 0.03 cm x 0.16 ± 0.0128 cm, upholstered with synthetic leather/leatherite. The armrest top shall be moulded from polyurethane, and shall be upholstered with synthetic leather/leatherite and mounted on a drop lift adjustable type tubular armrest support made up of $\text{Ø}3.81 \pm 0.03$ cm x 0.2 ± 0.01 cm thick MS ERW tube having chrome plated finish. The armrest height shall be adjustable up to 6.5 ± 0.5 cm in 5 steps. The adjustable tilting mechanism shall be designed with the following features : 360° revolving type, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort, Tilt tension adjustment can be operated in seating position, 5-position tilt limiter giving options of variable tilt angle to the chair, seat/back tilting ratio 1:2, the mechanism housing is made up of HPDC aluminum black powder coated. Seat depth adjustment shall be integrated in the seat through a sliding mechanism. Seat depth adjustment range shall be 6.0 ± 0.5 cm. Back frame shall be connected to the up/down mechanism housed in plastic T spine. It can be adjusted in the range of 7.42 ± 0.5 cm for the comfortable back support to suit individual need. the pneumatic height adjustment shall have an adjustment stroke of 10 ± 0.3 cm. The pedestal shall be high pressure die cast polished aluminum and fitted with 5 nos. of twin wheel castors. The pedestal shall be 65.0 ± 0.5 cm pitch centre dia. 5 nos. of twin wheel castors shall be injection molded in plastic having 6.0 ± 0.1 cm wheel diameter and assembled to pedestal. chair as approved by engineer in-charge/employer.</p>

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13	Vol.-IV (DBR)	19. High end Office Chair	238	Supply and Installation of high back chair, The seat shall be made up of 1.2 +/- 0.1 cmthick hot pressed moulded reconstituted wood & upholstered with leather and moulded polyurethane foam. Size of back shall be (W)-46.0cm, (H)-57.0cm & size of seat shall be (W)-49.0cm x (D)-49.5cm. High Resilience (HR) foam should be used in making seat & back which shall be moulded with density 45 +/- 2 kg/m ³ and hardness load 16 +/- 2 kgfas per IS: 7888 for 25% compression. The back rest should be connected to the mechanism with a drop-lift mechanism which can be adjusted in the range of 7.0 +/- 0.5cm for the comfortable back support to suitable individual need. Armrests should be pressure die casted in polished aluminum with PP arm tops. The mechanism of chair shall have following features: 360 degree revolving type, Seat/Back tilt ratio of 1:3, Synchronized tilt, Back tilt with 4 position locking and Side tilt tension adjustment knob should be operated while taking back support for better adjustment of comfort. The chair shall be provided with pneumatic height adjustment which shall have stroke of 10.0 +/- 0.3 cm. The pedestal shall be made of die-cast polished aluminium. it shall be fitted with 5 nos twin wheel castor. The size of head rest shall be (W)26.0cm x 12.0cm(L). The size of the pedestal shall be 65.0 +/- 0.5 cm pitch-centre-dia (75.0 +/- 1.0 cm with castors). The twin wheel castors shall be injection moulded in black polypropylene. Overall dimensions of Chair shall be, Width of Chair - 75.0cm, Depth of Chair - 75.0 cm as measured from pedestal below. Height from ground - min 113.5 to max 138.0 cms. Seat height - min 41.0cm to max 51.0 cm. Dimensions tolerance / variations shall be within +/- 1 cm. chairs approved by engineer in-charge/employer.	Supply and Installation of high back chair, The seat shall be made up of 1.2 +/- 0.1 cmthick hot pressed moulded reconstituted wood & upholstered with synthetic leather/leatherite and moulded polyurethane foam. Size of back shall be (W)-46.0cm, (H)-57.0cm & size of seat shall be (W)-49.0cm x (D)-49.5cm. High Resilience (HR) foam should be used in making seat & back which shall be moulded with density 45 +/- 2 kg/m ³ and hardness load 16 +/- 2 kgfas per IS: 7888 for 25% compression. The back rest should be connected to the mechanism with a drop-lift mechanism which can be adjusted in the range of 7.0 +/- 0.5cm for the comfortable back support to suitable individual need. Armrests should be pressure die casted in polished aluminum with PP arm tops. The mechanism of chair shall have following features: 360 degree revolving type, Seat/Back tilt ratio of 1:3, Synchronized tilt, Back tilt with 4 position locking and Side tilt tension adjustment knob should be operated while taking back support for better adjustment of comfort. The chair shall be provided with pneumatic height adjustment which shall have stroke of 10.0 +/- 0.3 cm. The pedestal shall be made of die-cast polished aluminium. it shall be fitted with 5 nos twin wheel castor. The size of head rest shall be (W)26.0cm x 12.0cm(L). The size of the pedestal shall be 65.0 +/- 0.5 cm pitch-centre-dia (75.0 +/- 1.0 cm with castors). The twin wheel castors shall be injection moulded in black polypropylene. Overall dimensions of Chair shall be, Width of Chair - 75.0cm, Depth of Chair - 75.0 cm as measured from pedestal below. Height from ground - min 113.5 to max 138.0 cms. Seat height - min 41.0cm to max 51.0 cm. Dimensions tolerance / variations shall be within +/- 1 cm. chairs approved by engineer in-charge/employer.
14	Vol.-IV (DBR)	20. High End Office Visitor Chair	239	Supply and Installation of mid back chair, The seat shall be made up of 1.2 +/- 0.1 cmthick hot pressed moulded reconstituted wood & upholstered with leather and moulded polyurethane foam. The back shall be designed with contoured lumbersupport for extra comfort. Size of back shall be (W)-45.0cm, (H)-49.0cm & size of seat shall be (W)-49.0cm x (D)-49.5cm. High Resilience (HR) foam should be used in making seat & back which shall be moulded with density 45 +/- 2 kg/m ³ and hardness load 16 +/- 2 kgf as per IS: 7888 for 25% compression. The back rest should be connected to the mechanism with a drop-lift mechanism which can be adjusted in the range of 7.0 +/- 0.5cm for the comfortable back support to suitable individual need. Armrests should be pressure die casted in polished aluminium with PP arm tops. The mechanism of chair shall have following features: 360 degree revolving type, Seat/Back tilt ratio of 1:3, Synchronized tilt, Back tilt with 4 position locking and Side tilt tension adjustment knob should be operated while taking back support for better adjustment of comfort. The chair shall be provided with pneumatic height adjustment which shall have stroke of 10.0 +/- 0.3 cm. The pedestal shall be made of die-cast polished aluminum. it shall be fitted with 5 nos. twin wheel castor. The size of the pedestal shall be 65.0 +/- 0.5 cm pitch-centre-dia (75.0 +/- 1.0 cm with castors). The twin wheel castors shall be injection moulded in black polypropylene. Overall dimensions of Chair shall be, Width of Chair - 75.0cm, Depth of Chair - 75.0 cm as measured from pedestal below. Height from ground - min 93.5 to max 110.5 cm. Seat height - min 41.0cm to max 51.0 cm. Dimensions tolerance / variations shall be within +/- 1 cm. chair as approved by engineer in-charge/employer.	Supply and Installation of mid back chair, The seat shall be made up of 1.2 +/- 0.1 cmthick hot pressed moulded reconstituted wood & upholstered with synthetic leather/leatherite and moulded polyurethane foam. The back shall be designed with contoured lumbersupport for extra comfort. Size of back shall be (W)-45.0cm, (H)-49.0cm & size of seat shall be (W)-49.0cm x (D)-49.5cm. High Resilience (HR) foam should be used in making seat & back which shall be moulded with density 45 +/- 2 kg/m ³ and hardness load 16 +/- 2 kgf as per IS: 7888 for 25% compression. The back rest should be connected to the mechanism with a drop-lift mechanism which can be adjusted in the range of 7.0 +/- 0.5cm for the comfortable back support to suitable individual need. Armrests should be pressure die casted in polished aluminium with PP arm tops. The mechanism of chair shall have following features: 360 degree revolving type, Seat/Back tilt ratio of 1:3, Synchronized tilt, Back tilt with 4 position locking and Side tilt tension adjustment knob should be operated while taking back support for better adjustment of comfort. The chair shall be provided with pneumatic height adjustment which shall have stroke of 10.0 +/- 0.3 cm. The pedestal shall be made of die-cast polished aluminum. it shall be fitted with 5 nos. twin wheel castor. The size of the pedestal shall be 65.0 +/- 0.5 cm pitch-centre-dia (75.0 +/- 1.0 cm with castors). The twin wheel castors shall be injection moulded in black polypropylene. Overall dimensions of Chair shall be, Width of Chair - 75.0cm, Depth of Chair - 75.0 cm as measured from pedestal below. Height from ground - min 93.5 to max 110.5 cm. Seat height - min 41.0cm to max 51.0 cm. Dimensions tolerance / variations shall be within +/- 1 cm. chair as approved by engineer in-charge/employer.

All other terms & conditions remain unchanged.

Prospective bidders are advised to regularly visit through HSCC e-tender portal <https://hscenivida.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.

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GM (Projects)
HSCC (India) Ltd.