Date: - 06th February, 2021

Corrigendum
for

Setting up of In-Vitro Fertility Lab alongwith other services (on turnkey basis) in Department of Obstetrics & Gynaecology at AIIMS, Jodhpur.

N.I.T. No.	Admn/Tender/56/2020-AIIMS.JDH
NIT Issue Date	07th November 2020
Pre Bid Meeting	19th November 2020 at 03:00 PM
Earlier Last Date of Online Submission of tender	15th February 2020 upto 03:00 PM
Extended Last Date of Online Submission of tender	25th February 2021 upto 03:00 PM
Bid Opening	26th February 2021 upto at 03:15 PM

The following revised and additional specification will be added: -

1. **Page 3, Point no. 4 and 35, In view of additional imposed Health Cess, Inclusion of witnessing system in tender specification, increased labour and freight costs the Estimated Cost is revised as:**
   For
   Rs. 3,53,50,000/-
   Read
   Rs. 3,75,00,000/-

2. **Page 4, Point no. 5:**
   For
   The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of Rs. 7,10,000/- (Rupees Seven Lac Ten Thousand only) by way of demand drafts or Bank Guarantee only. The Demand Drafts or Bank Guarantee shall be drawn in favour of "All India Institute of Medical Sciences, Jodhpur" Payable at Jodhpur. The EMD of the successful bidder shall be returned after the successful submission of Bank Guarantee/ Security Deposit and for unsuccessful bidder(s) it would be returned after award of the contract. The demand drafts or Bank Guarantee for EMD must deliver to AIIMS, Jodhpur on the Date & Time of Bid Opening.
   a) Bidder shall not be permitted to withdraw his offer or modify the terms and conditions thereof. In case the Bidder fail to observe and comply with stipulation made herein or backs out after quoting the rates, the aforesaid amount of earnest money will be forfeited. Tender for Setting up of In-Vitro Fertility Lab along with other services (on turnkey basis) Admn/Tender/56/2020-AIIMS.JDH Page 5 of 73
   b) The Firm who are registered with Micro, Small & Medium Enterprises (MSME) / National Small Industries Corporation (NSIC) / Small Scale Industries (SSI) are exempted to submit the

EMD only (Copy of registration must be provide along with technical bid) other conditions for eligibility should be as per tender conditions.

c) The EMD in case of unsuccessful Bidders shall be retained by AIIMS, Jodhpur till the finalization of the tender. No interest will be payable by AIIMS, Jodhpur on the EMD.

d) The EMD submitted in form of Demand Draft / Bank Guarantee or any other banking document etc. shall remain valid for a period of 180 days (One hundred and Eighty days) after the date of tender opening prescribed in the TE document. Any Demand Draft / Bank Guarantee or any other banking document etc. with valid of a shorter period shall be treated as unresponsive and rejected.

Read

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3. **Page 36, IVF (LAMINARFLOW) WORK STATION WITH INTEGRATED STEREOZOOM MICROSCOPE WITH ACCESSORIES, Point 2:**

   For

   HEPA filters: Class H-14 HEPA Filters in accordance with EN1822. Filter Efficiency 99.999% for 0.3 Micrometer particles size.

   Read

   HEPA filters: Class H-14 HEPA Filters in accordance with EN1822/ IEC61010-1-2010 (3rd edition). Filter Efficiency >/=99.97% for 0.3 Micrometer particles size.

4. **Page 36, IVF (LAMINARFLOW) WORK STATION WITH INTEGRATED STEREOZOOM MICROSCOPE WITH ACCESSORIES, Point 12:**

   For

   IVF work station should be fully heated with provision for heated system for Sterozoom microscope.

   Read

   IVF work station should be fully heated/heating surface with even and stable heating with provision for heated system for Sterozoom microscope.

5. **Page 36, IVF (LAMINARFLOW) WORK STATION WITH INTEGRATED STEREOZOOM MICROSCOPE WITH ACCESSORIES, Point 16:**

   For

   Inbuilt LCD monitor 19' to 21' of medical grade with video grabber and adequate memory for seeing microscope images on the screen.

   Read

   Inbuilt LCD monitor 19' to 22' with video grabber and adequate memory for seeing microscope images on the screen.

6. **Page 36, IVF (LAMINARFLOW) WORK STATION WITH INTEGRATED STEREOZOOM MICROSCOPE WITH ACCESSORIES, Point 21:**

   For

   Test tube heater should be portable, able to hold test tubes (14 ml) with rechargeable battery, heater, sensor, and LED indicators for battery and temperature - 4 Nos.

   Read

   Test tube heater should be portable, able to hold 8 minimum test tubes (14ml) with heater, sensor, and LED display for temperature-4 in number

7. **Page 37, Co2 Incubator, Point 2:**

   For

   Humidity: Active sterile humidity maintained through vaporizing module operating at 120oC Measuring range 0-98% RH /Range 60-95% RH. System should have easy to set high -low humidity levels.

Read

Humidity: Active sterile humidity maintained through vaporizing module operating at 120^{o}C Measuring range 0-98% RH /Range 60-95% RH. System should have easy to set high -low humidity levels/ automatic humidification control system.

8. **Page 38, Co2 Incubator, Point 11:**

   For

   Diagnostic system: Optical and Acoustic alarm. Alarm messages are retained in non-permanent memory. Set points should be saved in case of power interruption. Remote alarm. Short recovery times: for all adjustable parameters through optimized microprocessors control less than 4 minutes. Incubator must offer direct access port to enable comparative CO2 measurement by external device.

   Read

   Diagnostic system: Optical (Visual) and Acoustic (audio) alarm. Alarm messages are retained in non-permanent memory. Set points should be saved in case of power interruption. Incubator must offer direct access port to enable comparative CO2 measurement by external device.

9. **Page 38, Co2 Incubator, Point 14:**

   For

   Lockable main door-preferable

   Read

   Lockable main door-preferable/replaceable outer door seal.

10. **Page 38, Co2 Incubator, Point 15:**

    For

    Integrated Humidity Limit Control (88-97%) with digital display of relative humidity – resolution of display. 0.5%, setting accuracy 1%.

    Read

    Deleted.

11. **Page 38, Co2 Incubator, Point 17:**

    For

    With accessories: CO2 Regulator and inline filter with each incubator.

    Read

    With accessories: CO2 Regulator and inline filter with each incubator, O2, CO2, N2 connecting hose set, O2 sensor with gas humidification, CO2 and O2 gas monitor

12. **Page 38, TRIGAS BENCHTOP INCUBATOR FOR HUMAN EMBRYO CULTURE WITH TRI-GAS MIXER, Point 2:**

    For

    Four or more chambers for placing Petri Dishes. If make and model has less than FOUR chambers the quantity has to be adjusted to accommodate atleast FOUR petri dishes (1 in each chamber).

    Read

    Four or more chambers for placing Petri Dishes. If make and model has less than FOUR chambers the quantity has to be adjusted to accommodate atleast FOUR petri dishes.

13. **Page 38, TRIGAS BENCHTOP INCUBATOR FOR HUMAN EMBRYO CULTURE WITH TRI-GAS MIXER, Point 4:**

    For

    Each chamber must have independent display of gas and temperature. Kindly remove the independent display as it is leading to a specific product/model.

    Read

    Incubator must have a display of gas and temperature

14. **Page 39, TRIGAS BENCHTOP INCUBATOR FOR HUMAN EMBRYO CULTURE WITH TRI-GAS MIXER, Point 17:**
    For
    Auto mix inbuilt mixer and should be provided with SS304 tubing for gas supply.
    Read
    Auto-Mix Inbuilt/compatible trigas mixer with necessary tubing and attachments

15. **Page 39, TRIGAS BENCHTOP INCUBATOR FOR HUMAN EMBRYO CULTURE WITH TRI-GAS MIXER, Point 18:**
    For
    Should have UV-C decontamination of air stream.
    Read
    Should have UV-C decontamination of the air stream /Gas line filter.

16. **Page 39, TRIGAS BENCHTOP INCUBATOR FOR HUMAN EMBRYO CULTURE WITH TRI-GAS MIXER, Point 23:**
    For
    Must be US FDA or EU certified Tri gas mixer for bench-top incubator able to supply multiple bench-top incubators.
    Read
    Deleted.
17. **Page 39, PIPETTER AND DENUDATION SYSTEM WITH DENUDATION TIPS, Point 2c:**
    For
    Size 130um (10 packs with each pack containing ten pipettes).
    Read
    Size 130-135um (10 packs with each pack containing ten pipettes).

18. **Page 39, PIPETTER AND DENUDATION SYSTEM WITH DENUDATION TIPS, Point 2d:**
    For
    Size 140um (10 packs with each pack containing ten pipettes).
    Read
    Size 140-150um (10 packs with each pack containing ten pipettes).

19. **Page 39, PIPETTER AND DENUDATION SYSTEM WITH DENUDATION TIPS, Point 2e:**
    For
    Size 170um (10 packs with each pack containing ten pipettes).
    Read
    Size 170-180um (10 packs with each pack containing ten pipettes)

20. **Page 39, PIPETTER AND DENUDATION SYSTEM WITH DENUDATION TIPS, Point 2f:**
    For
    Size 300um (10 packs with each pack containing ten pipettes).
    Read
    Size 270-300um (10 packs with each pack containing ten pipettes)

21. **Page 39, ASPIRATION PUMP, Point 3:**
    For
    It should have a foot operated switch with vacuum gauge with pressure control switch, pressure gauge, Occlude switch, main switch, overflow vessel.
    Read
    It should have a foot operated switch with normal and boost footswitch

22. **Page 39, ASPIRATION PUMP, Point 5:**
    For
    Volume of overflow vessel 1 x 50ml – 02 nos. (1x50ml for individual vessel).
    Read
    Volume of overflow vessel 1 x 50ml – 02 nos. (1x50ml for individual vessel) to be supplied if the system requires

23. **Page 39, ASPIRATION PUMP, Point 14:**
    For
    Should be Labotech/Cook/Craft/equivalent Aspiration pump.
    Read
    Should be Labotech/Cook/Craft/cooper surgical/equivalent Aspiration pump.

24. **Page 40, INVERTED MICROSCOPE WITH MICROMANIPULATOR AND HEATING SYSTEM FOR ICSI WITH CAMERA AND MONITOR, Point 2:**
    For
    Lamp house with 100W Halogen.
    Read
    Lamp house with 100W halogen / LED light source.

25. **Page 40, INVERTED MICROSCOPE WITH MICROMANIPULATOR AND HEATING SYSTEM FOR ICSI WITH CAMERA AND MONITOR, Point 12,13:**
    For
    Micromanipulator should be compatible for the utility of commonly available LASER and Spindle view imaging system.
    Read
    Micromanipulator should be compatible for the utility of commonly available LASER and Spindle view imaging system.

26. **Page 41, INVERTED MICROSCOPE WITH MICROMANIPULATOR AND HEATING SYSTEM FOR ICSI WITH CAMERA AND MONITOR, Point 14X,Xi:**
    For
    (x)The image shall be displayed on the TFT monitor and also in the TV kept
    (xi) in the consultation room of the ART centre. The cabling and change over shall be done by the bidder.
    Read
    The image shall be displayed on the TFT monitor and also in the TV kept in the consultation room of the ART centre. The cabling and change over shall be done by the bidder.

27. **Page 41, GAS IN LINE FILTER, Point 2:**
    For
    Should have 2.4-2.8 sq. of Potassium Permanganate & Activated Carbon membrane
    Read
    Should be read as "2.4 to 2.8 sq. of potassium permanganate/ULPA of 0.3 micron and activated carbon membrane.
28. **Page 41, GAS IN LINE FILTER, Point 3:**
    For
    Should have additional PE-layer for removing particulates
    Read
    Should have an additional PE- layer for removing particulates/additional HEPA- layer for removing particulates.

29. **Page 41, GAS IN LINE FILTER, Point 6:**
    For
    Compact with standard connectors

Read
Should read as “compact with standard connectors/hose barb.

30. **Page 42, TRINOCULAR COMPOUND MICROSCOPE FOR ANDROLOGY LAB, Point 6:**
For
3 watt LED light illumination for excellent image quality
Read
3-watt LED/Halogen light illumination for excellent image quality.

31. **Page 43, VERTICAL LAMINAR AIR FLOW FOR ANDROLOGY LAB AND I FOR IVF LAB, Point 1:**
For
Size 3’x2’, fully heated (at 37 degree Celsius, stainless steel table, should have dual sensor contolled digital microprocessor based temperature regulator
Read
Size 3’x2’ fully heated/marked heated area (at 37-degreeCelsius), stainless steel table, should have dual sensor controlled digital microprocessor-based temperature regulator.
.
32. **Page 43, CRYOCANS, Point 6:**
For
Should be provided with SS canister, 11-12canister each with 42 to 48lit container and 6 canisters with 21 lit. Each canister to be provided with Goblets with different color viso tubes. Diameter of canister should range between 65 to 75 mm.
Read
Should be provided with SS canister, 11-12canister each with 42 to 48lit container. Each canister to be provided with Goblets with different color viso tubes. Diameter of canister should range between 65 to 75 mm.

33. **Page 43, CRYOCANS Point 9:**
For
Facility for filling liquid nitrogen Static holding time - 125 -145 days.
Read
Point 9a Facility for filling liquid Nitrogen
Point 9b Static holding time of 115-145 days and static evaporation rate of 0.25 litre/day.

34. **Page 43, CRYOCANS, Point 10:**
For
Static evaporation gross rate : 0.25 litre/day.
Read
Should be European CE or US FDA certified.

35. **Page 43, GAS CHANGE OVER UNIT (AUTOMATIC), Point 7:**
For
Unit should be battery operated. Extra battery should be provided.
Read
Unit should be battery operated/UPS back up supplied with the unit.

36. **Page 43, GAS CHANGE OVER UNIT (AUTOMATIC), Point 9:**
For
Should be European CE/US FDA certified.
Read
European CE/US FDA/BIS.

37. **Page 45, SMART MONITORING SYSTEM (Co2, O2 and Temperature analyser), Point 2:**
    For
    Sensor for CO2 measurement 0 to 100%.
    Read
    Sensor for CO2 measurement 0 to 20%.

38. **Page 45, SMART MONITORING SYSTEM (Co2, O2 and Temperature analyser), Point 4:**
    For
    – Temperature sensor: measurement range 0-1000 degree C
    Read
    Temperature sensor: measurement range 0-50 degree celsius

39. **Page 45, SMART MONITORING SYSTEM (Co2, O2 and Temperature analyser), Point 7:**
    For
    It should have a compensation range 1000+/-256 mbar response time should not be more than 2 minutes
    Read
    Point 7a: It should have a compensation range 1000+/-256 mbar
    Point 7b:Response time should not be over 2 minutes.

40. **Page 45, SMART MONITORING SYSTEM (Co2, O2 and Temperature analyser), Point 10:**
    For
    Alerts should come via SMS, voice call and email
    Read
    Alerts should come via SMS, voice call and email or could be enables for alerts via SMS, voice call and email

41. **Page 45, SMART MONITORING SYSTEM (Co2, O2 and Temperature analyser), Point 12:**
    For
    Should work for CO2incubators, O2 incubators, Cryocans, media/drug refrigerator and IVF lab door
    Read
    Should work for CO2incubators, O2 incubators, media/drug refrigerator and IVF lab door.

42. **Page 46, DIGITAL pH METER WITH MICRO ELECTRODE, Point 8:**
    For
    Automatic pH input impedance: >10 MΩ
    Read
    Should have >/=1.5 GB internal memory

43. **Page 46, DIGITAL pH METER WITH MICRO ELECTRODE, Point 8:**
    For
    pH display: LED
    Read
    Ph display LED/LCD

44. **Page 47, ALL IN MULTI-FUNCTIONAL PRINTER WITH SCAN, COPY AND FAX FACILITY E, Point 14:**

For

Mobile printing services: Apple AirPrint; HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi

Read

Mobile Printing Services – HP/Canon ePrint

45. **Page 49, LAB PURIFICTION SYSTEM, Point 10:**

For

Replacement bulb kit (one set to be available) or supply of replaceable filters for first 5 years

Read

Replacement Bulb Kit (one set) to be supplied along with one additional set to be provided/ or supply of replaceable filters for first 5 years

46. **Page 49, LAB PURIFICTION SYSTEM, Point 36:**

For

Electronic witnessing system

Read

1. 1.Should be based on Radio Frequency Identification (RFID)
2. Should automatically scan samples in the work area and prevent unrelated samples at a particular work area
3. RFID readers should be situated at all stations where samples are handled for automatic and continuous (24x7) tracking and logging
4. Should provide Sperm Reader for Andrology with self-tuning
5. Should also provide Beady Printer for labelling the tags
6. Each RI Witness work area has a networked PC
7. The PCs provided at each area should have: OS, windows 10 pro, windows 8.1 pro, windows 7pro,64bit: 6 gen intel core 13 processor 3.7 GHz 8GB RAM 1 TB hard disk space or 20 GB direct *9 graphics device with WDDM 1 or higher driver, 1 ethernet port, 1 space USB connector
8. Its software should be compatible with Should be compatible with Windows 10, Windows 8.1, Windows 7, Windows XP and leading patient management databases
9. Should be Compatible with GS1 barcodes (GS1-128)
10. Should be Compatible with USB (Keyboard wedge) fixed and hand held scanners
11. Should supply patient cards, RFID circular, rectangular square tags and labels for minimum 10 patients with the system
12. Cost of tags for first 100 patients should be included
13. Should be CE/US FDA certified

47. **Page 55, TRAINING, Point 1:**

For

Off-site training of 3 clinicians at good and recognised training lab over a period of 1 year

Read

Off-site training of 3 clinicians at good and recognised training lab for a period of 3-4 weeks over a period of 1 year

48. **Page 56, CIVIL AND ELECTRICAL WORKS, Point B:**

For

Supply and installation of 80mm thick puff insulated wall panel with 0.8mm powder coated aluminium on visible side and 0.8mm aluminium on other side.

Finished to a clean room standards.

The core of sandwich panel shall be filled with ridged poly-urethane foam which has to be

injected under high pressure with minimum density of 40kg/m3. The individual wall panels shall be fixed using tongue and groove technology. The gaps between panels shall be suitably filled with metal filler / epoxy.
A cryo-room has to be created in IVF lab using modular partition as per drawing.

Read

Supply and installation of 80mm thick puff insulated wall panel with 0.8mm powder coated aluminium/powder coated PPGI on visible side and 0.8mm aluminium/powder coated PPGI on other side.
Finished to a clean room standards.
The core of sandwich panel shall be filled with ridged poly-urethane foam which has to be injected under high pressure with minimum density of 40kg/m3. The individual wall panels shall be fixed using tongue and groove technology. The gaps between panels shall be suitably filled with metal filler / epoxy.
A cryo-room has to be created in IVF lab using modular partition as per drawing

49. Page 56 CIVIL AND ELECTRICAL WORKS, Point C:

For

Supply and installation of 60mm thick and puff insulated ceiling panel with In-side 0.8 mm powder coated aluminium and outside with 0.8mm aluminium. Finished to a clean room standards. The core of sandwich panel shall be filled with ridged poly-urethane foam which has to be injected under high pressure with minimum density of 40kg/m3. The individual ceiling panels shall be fixed using tongue and groove technology. The gaps between panel shall be suitably filled with metal filler / epoxyPPGI (Pre-painted Galvanised Iron) ceiling panels are common.

Read

Supply and installation of 60mm thick and puff insulated ceiling panel with In-side 0.8 mm powder coated aluminium and outside with 0.8mm aluminium/ powder coated PPGI. Finished to a clean room standards. The core of sandwich panel shall be filled with ridged poly-urethane foam which has to be injected under high pressure with minimum density of 40kg/m3. The individual ceiling panels shall be fixed using tongue and groove technology. The gaps between panel shall be suitably filled with metal filler / epoxy

50. Page 56 CIVIL AND ELECTRICAL WORKS, Point d1:

For

Supply and fixing 49mm thick puff insulated door with puff insulation under high pressure (PUF @ 40 kg / cum) laminated by 0.8mm powder coated aluminium towards lab side and 0.8mm on the outer side.

Read

Supply and fixing 49mm thick puff insulated door with puff insulation under high pressure (PUF @ 40 kg / cum) laminated by 0.8mm powder coated aluminium/ SS towards lab side and 0.8mm on the outer side.

51. Page 56 CIVIL AND ELECTRICAL WORKS, Point e1:

For

PVC FLOORING.

Read

"PVC/Vinyl Flooring".