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Department of Nephrology

Corrigendum in Technical specifications in Tender No. 24/Hemodialysis/492/2019-Rish(Admn)

S.No.	Page No.	Current specification	Revised specification
1.	20	Hemodialysis Machine-20 (8 at beginning)	Hemodialysis Machine-24 (13 at beginning). The number may vary as per requirement, however the total number of dialysis machines (HD + HDF) would remain 30.
2.	20	S.No.- 2 HDF machine-10 (2 at beginning)	Number of machines as per requirement but 01 to begin with, however the total number of dialysis machines (HD + HDF) would remain 30.
3.	20	S.No3.- RO plant 1000 L/hr	S.No. 3- RO plant 1500 L/hr

Page No.- 30 Appendix – J

S.No.	Current specification		Revised specification	
	Item	Quantity	Item	Quantity
1.	Automatic Defibrillator with accessories.	02	Automatic Defibrillator with accessories.	01
2.	ECG machine	02	ECG machine	01
3.	Mechanical Ventilator	02	Mechanical Ventilator	00
4.	Portable USG	01	Portable USG	00
5.	Glucometer	Not mentioned	Glucometer	02
6.	Crash cart	Not mentioned	Crash cart (with all resuscitation equipments)	01

7.	Suction apparatus	04	Suction apparatus	02
8.	Weighing Machine	02	Platform weighing machine of size-24x24” with weighing capacity up to 200 kg	02
9.	Cardiac monitors	One for each bed/chair	Cardiac monitor (with display of Heart Rate, NIBP, SpO ₂ , Respiratory Rate and with ECG display)	One for each bed/chair
10.	Double door Refrigerator (approx. 300 L)	Not mentioned	Double door Refrigerator (approx. 300 L)	01
11.	Needle Destroyer	Not mentioned	Needle Destroyer	02

Page 30 Point- 15

For: - All required consumables and drugs for adult and paediatric patients as per standards laid down by the In-charge Nephrologist.

Read as: -

All required dialysis consumables for adult and paediatric patients as per standards laid down by the In-charge Nephrologist.

Drugs will be provided by AIIMS, Rishikesh or will be borne by the patients themselves. The service provider will not directly provide any drug to the patient.

Page No. 43 Point-7

For: - The Service provider will provide technical cover by employing adequate operating staff for operating and maintaining the machines and a Safaiwala/Safaiwali for cleaning and maintaining the Unit. Further 6 qualified Dialysis Technicians, 4 Assistant Technicians and 6 Attendants will be provided by the Service provider. The qualification of the said staff will be reviewed and approved by the Department of Nephrology/Hospital Administration, AIIMS Rishikesh.

Read as: - **The Service provider will provide medical and technical staff as follows:** -

- 1) **Medical Officers (on duty) – One doctor (MBBS) per shift. The M.O. must be present during any procedure including dialysis.**
- 2) **3 Dialysis technicians/ nurses: One technician for every 3 machines and one dedicated for dialysis machine for patients with blood borne infections per shift.**
- 3) **Dietician (optional).**
- 4) **Sweepers -1 for every five machine per shift.**
- 5) **Hospital attendant - 1 for every five machines per shift.**

The qualification of the said staff will be reviewed and approved by the Department of Nephrology/Hospital Administration, AIIMS Rishikesh.

Page No: - 11 Point-3

For: - The service provider should install a minimum of 10 Dialysis machines plus one each dedicated machine for infective cases (Hepatitis B, Hepatitis C, HIV etc.).

Read as:- The service provider shall install a minimum of 13 Dialysis machines in the first phase (10 for seronegative and 03 for seropositive patients i.e. Hepatitis B, Hepatitis C, HIV). However, the number of machines which would be dedicated for seropositive patients may vary as per requirement.

The Hemodiafiltration machines will be used for seronegative patients only.

Page No.-40 Appendix- O

S.No.	Current specification	Revised specification
1.	Ultrafiltration coefficient (ml/hr x mmHg) – 13- 16	UF coefficient (ml/hr x mmHg)- 13- 22
2.	Urea clearance (Qb 200ml/min)- 185- 190	Urea clearance (Qb 200ml/min) -185- 300
3.	Creatinine clearance (Qb 200ml/min)- 170-175	Creatinine clearance (Qb 200ml/min)-170- 300
4.	Effective surface area (m ²) – 1.3- 1.6	Effective surface area (m ²) 1.3- 2.5
5.	Blood priming volume (ml)- 75- 95	Blood priming volume (ml) – 75- 135

Page 41-Point J.5

For- Routine disinfection of active and backup dialysis machines are performed according to defined protocol. Documentation of absence of residual disinfectants is required for machines using chemical disinfectant.

Read as: -

Routine chemical disinfection to be done after every dialysis session and heat disinfection to be done once in 24 hours, of all dialysis machines. Documentation of absence of residual disinfectants is required for machines using chemical disinfectant. The back washing of the RO plant has to be done daily approximately between 2-3 am to 5-6 am.

Page 41- Point J.6

For- Samples of dialysate from machines chosen at random are to be tested (microbiological and chemical) at regular intervals as per instructions by the In-charge Nephrologist. The test reports should confirm to the

standards set by the Association for the advancement of Medical Instrumentation (AAMI) standards. These reports to be submitted to the In-charge Nephrologist

Read as: -

Samples of dialysate from machines chosen at random are to be tested (microbiological and chemical) at three monthly intervals and/or as per instructions by the In-charge Nephrologist. The test reports should confirm to the standards set by the Association for the advancement of Medical Instrumentation (AAMI) standards. These reports to be submitted to the In-charge Nephrologist.

Page 41-Point J.12

J.12 is added & to be read as follows-

Viral markers of all patients to be done by patients themselves at three monthly basis or as per clinical requirement and this is to be monitored and record to be maintained by the dialysis staff.

Page 41- Point J.13

J.13 is added & to be read as follows-

The service provider has to get the entire HD staff vaccinated (before/at the time of their joining to AIIMS, Rishikesh) against Hepatitis B virus as per standard schedule and the vaccination record of each staff has to be maintained.

Page 41- Point J.14

J.14 is added & to be read as follows-

The pipes for water drainage to be made of CPVC (Chlorinated Polyvinyl Chloride) for inlet water and of PVC (Poly Vinyl Chloride) for the drainage

Keeping in view of the representation and pre-bid meeting, total cost is below our expectations.

Page No 6,12

For:-

8. Total Project Cost is Rs. 10 Crores approximately. All Tenders must be accompanied by EMD of Rs. 20,00,000/- (2% of the Total Project Cost). Tenders without EMD shall be rejected.

Should be Read As:-

Total Project Cost is Rs. 4-5 Crores approximately. All Tenders must be accompanied by EMD of Rs. 5,00,000/-. Tenders without EMD shall be rejected.

For:-

9. Turnover should be average Rs.20 crore during last three years. This can be relaxed for Startups, who will produce copy of startup registration as per Government of India instructions.

Should be Read As:-

Turnover should be average Rs. 5 crore during last three years. This can be relaxed for Startups, who will produce copy of startup registration as per Government of India instructions

L1 bidder on financial quote (Appendix-F) will be decided on the basis of total of one time (first use dialyses) plus 7 times reuses.(This is discussed and proposed by Prof Vikram Singh, Adjunct faculty).