

Amendment No. 3**24.03.2018****Sub: Amendment to the Bidding Document****Ref.: Notice Inviting Bid ref. HITES/PCD/NCI-AIIMS/12/17-18 dated 05.02.2018 read with its Amendment No. 01 & 02 dated 24.02.18 & 21.03.18**

The following changes have been authorised and are being incorporated in the above referred Bidding Document.

**SECTION - I
NOTICE INVITING BIDS (NIB)****Existing:**

Sl. No.	Rfx no.	Short Description of goods	Quantity	Bid Security (BS) (Rs.)	Tender Processing Fee incl. GST (Rs.)
1	3000002600	Mobile OT Light	16	1,60,000	3,540
6	3000002606	Endoscopy washer & disinfectant system	2	2,00,000	3,540
8	3000002608	OT Table(High End)	9	3,96,000	3,540
9	3000002609	Advance Electrosurgical unit with vessel sealing system	9	3,60,000	3,540
10	3000002610	Smoke Evacuator	9	2,70,000	3,540

Amended as:

Sl. no.	Rfx no.	Short Description of goods	Quantity	Bid Security (BS) (Rs.)	Tender Processing Fee incl. GST (Rs.)
1	3000002600	Mobile OT Light	9	54,000	3,540
6	3000002606	Endoscopy washer & disinfectant system	This tender/ item is cancelled and need not be quoted.		
8	3000002608	OT Table(High End)	9	10,00,000	3,540
9	3000002609	Advance Electrosurgical unit with vessel sealing system	These tenders/ items are cancelled and need not be quoted.		
10	3000002610	Smoke Evacuator			

SECTION- VI**LIST OF REQUIREMENTS****Part I:****Existing:**

Sl. no.	Rfx/ Event number	Short Description of goods	Quantity	Warranty Period	CAMC period after warranty
1	3000002600	Mobile OT Light	1	05 years	05 years
2	3000002602	Ultrasonic Bone scalpel	2	05 years	05 years
3	3000002603	Multipurpose Pneumatic Drill & Saw	3	05 years	05 years
4	3000002604	Multipurpose Electric Drill and saw	4	05 years	05 years
5	3000002605	Biological Fluid Aspirator & Disinfector	5	05 years	05 years
6	3000002606	Endoscopy washer & disinfector system	6	05 years	05 years
7	3000002607	Molecular resonance lancet	7	05 years	05 years
8	3000002608	OT Table(High End)	8	05 years	05 years
9	3000002609	Advance Electrosurgical unit with vessel sealing system	9	05 years	05 years
10	3000002610	Smoke Evacuator	10	05 years	05 years
11	3000002611	Bipolar Coagulator for Microscopic Surgery	11	05 years	05 years
12	3000002612	Hands and Foot Wear Disinfection System	12	05 years	05 years

Amended as:

Sl. no.	Rfx/ Event number	Short Description of goods	Quantity	Warranty Period	CAMC period after warranty
1	3000002600	Mobile OT Light	9	05 years	05 years
2	3000002602	Ultrasonic Bone scalpel	5	05 years	05 years
3	3000002603	Multipurpose Pneumatic Drill & Saw	3	05 years	05 years
4	3000002604	Multipurpose Electric Drill and saw	3	05 years	05 years
5	3000002605	Biological Fluid Aspirator & Disinfector	4	05 years	05 years
6	3000002606	Endoscopy washer & disinfector system	This tender/ item is cancelled and need not be quoted.		
7	3000002607	Molecular resonance lancet	3	05 years	05 years
8	3000002608	OT Table(High End)	9	05 years	05 years

Sl. no.	Rfx/ Event number	Short Description of goods	Quantity	Warranty Period	CAMC period after warranty
9	3000002609	Advance Electrosurgical unit with vessel sealing system	These tenders/ items are cancelled and need not be quoted.		
10	3000002610	Smoke Evacuator			
11	3000002611	Bipolar Coagulator for Microscopic Surgery	4	05 years	05 years
12	3000002612	Hands and Foot Wear Disinfection System	5	05 years	05 years

**SECTION - VII
TECHNICAL SPECIFICATION AND GENERAL POINTS**

TECHNICAL SPECIFICATION:

Item No. 1 (Rfx/Event number 3000002600)

Mobile O.T light

Sl. No.	Page/Para	EXISTING SPECIFICATION	AMENDED AS
1	Page 44, Para 3	There should be single dome equipped with not more than 15 LEDs and minimum 50,000 lux (measured at 1 meter distance).	There should be single dome equipped with not more than 20 LEDs and minimum 50,000 lux (measured at 1 meter distance).
2	Page 44, Para 7	Energy irradiated at maximum level from one dome should not be more than 120 W/m ² .	Deleted
3	Page 44, Para 9	Optional battery backup with battery charger should be offered.	Inbuilt 30 min battery backup should be offered.

Added BOQ – Mobile O.T. Light

S.No.	Name of Item	Qty/Unit	UOM
1	Mobile OT Light	01	No.

Item No. 2 (Rfx/Event number 3000002602)

Ultrasonic Bone Scalpel

Added BOQ - Ultrasonic Bone Scalpel			
S.No.	Name of Item	Qty/Unit	UOM
1	Ultrasonic Bone Scalpel	01	No.
2	Hand Piece	01	No.

S.No.	Name of Item	Qty/Unit	UOM
3	Angled Right Tips	05	Nos.
4	Angled Left Tips	05	Nos.
5	Osteotomy saw blades	05	Nos.
6	Diamond finishing blades of different shapes	05	Nos.
7	Irrigation sets	10	Nos.
8	Sterilization tray	01	No.
9	Foot Pedal	01	No.

Item No. 3 (Rfx/Event number 3000002603)

Multipurpose Pneumatic Saw and Drill system

Sl. No.	Page/Para	EXISTING SPECIFICATION	AMENDED AS
1	Page.46, Para.4	Power should be in the range of 140 Watts at 120 psi	Power should be in the range of 90 Watts or more at 120 psi
2	Page.46, Para.10	Regulator hose should be detachable at both regulator side and foot pedal side	Regulator hose should be detachable at both regulator side and/or foot pedal side
3	Page.46, Para.12	Sound level should not be more than 70dB @ 72000rpm @ 120psi / 8 bar	Sound level should be ≤ 76dB @ 72000rpm @ 120psi / 8 bar
4	Page.46, Para.18	Should quote for Micro Oscillating saw , Reciprocating saw which can be detachable from the gas hose	Should quote for Micro Oscillating saw , Reciprocating saw which can be detachable from the gas hose or the motor
5	Page.46, Para.20	Oscillating saw should operate between 20000 to 23,000 cpm speed and Reciprocating saw should operate between 10000 to 13,500 cpm	Oscillating saw should operate between 10000 cpm or more speed and Reciprocating saw should operate between 10000 cpm or more
6	Page.46, Para.21	Blades should be of stainless steel & Blades should be of 0.mm thickness with fine cutting design	Blades should be of stainless steel & Blades should be of 0.4mm-0.6mm thickness with fine cutting design
7	Page.46, Para.21	Micro and Macro drill attachment with drill bits	Micro and Macro drill attachment with 5 nos. of drill bits
8	Page.46, Para.23	Hand piece - Short Straight Attachment (7cm & 8cm): 1 No. each.	Hand piece - Short Straight & Angled Attachment: 1 No. each.

Sl. No.	Page/Para	EXISTING SPECIFICATION	AMENDED AS
9	Page.46, Para.24	Hand piece - Medium Straight & Angled Attachment 9cm: 1 No each.	Hand piece - Medium Straight & Angled Attachment: 1 No each.
10	Page.46, Para.26	Sternotomy handpiece with guard - 1	Sternotomy/ sternal handpiece with guard - 1
11	Page.46, Para.32-6	Diffuser for Lubrication of Motor	In line lubrication of motor with diffuser or Oil receptacle
12	Page.46, Para.32	Should quote separately for the following consumables : 1. Blades for oscillating and reciprocating saws – Various sizes & shapes 2. Drill bits 3. Fast Cutting Burrs (3 mm) 4. Diamond Burrs (3 mm) 5. Bone Cutter Drill bits for craniotomy 6. Diffuser for Lubrication of Motor	Should quote separately for the following consumables : 1. Blades for oscillating and reciprocating saws – Various sizes & shapes - 5 Nos each 2. Drill bits - 5 Nos 3. Fast Cutting Burrs (3 mm) - 5 Nos 4. Diamond Burrs (3 mm) - 5 Nos 5. Bone Cutter Drill bits for craniotomy - 5 Nos 6. In line lubrication of motor with diffuser or Oil receptacle - 5 Nos

Added BOQ - Multipurpose Pneumatic Saw and Drill system

S.No.	Name of Item	Qty/Unit	UOM
1	Micro Oscillating Saw	01	No.
2	Reciprocating Saw	01	No.
3	Drill Hand piece with Micro and Macro drill attachment	01	No.
4	Hand Piece - Short Straight attachment	01	No.
5	Hand Piece - Medium Straight attachment	01	No.
6	Hand Piece - Medium Angled attachment	01	No.
7	Craniotomy burr hole attachment with duraguard (Adult)	01	No.
8	Sternotomy/Sternal Hand Piece with guard	01	No.
9	Perforator driver	01	No.
10	Cleaning brushes of different sizes	01	Set
11	Blades for oscillating and reciprocating saws - various sizes & shapes	05	Sets
12	Drill bits	05	Nos.
13	Fast cutting burrs (3 mm)	05	Nos.
14	Diamond Burrs (3 mm)	05	Nos.

Added BOQ - Multipurpose Pneumatic Saw and Drill system			
S.No.	Name of Item	Qty/Unit	UOM
15	Bone cutter drill bits for craniotomy	05	Nos.
16	In line lubrication of motor with diffuser or Oil receptacle	05	Nos.
17	Connecting Hose	01	No.

Item No. 4 (Rfx/Event number 3000002604)
Multipurpose Electric Drill & Saw System

Sl. No.	Page/Para	EXISTING SPECIFICATION	AMENDED AS
1	Pg 47 , Para A	Capability to accept and use at least two hand-pieces simultaneously	Capability to accept at least two hand-pieces.
2	Pg 47 , Para C	Flexible, Autoclavable electrical cord, with push-pull type connectors,	Flexible, Autoclavable electrical cord, with connectors,
3	Pg 47 , Para D .1	Sterilisable through Steam, ETO & Flash hand-piece,	Sterilisable through Steam or ETO or Flash hand-piece,
4	Pg 47 , Para D 1(v)	Stainless Steel Burs: 1 mm, 2 mm, 3 mm and 4 mm	Burs: 1 mm, 2 mm, 3 mm and 4 mm - 5 nos each.
5	Pg 47 , Para D1(vi)	Diamond Burs: 2 mm, 3 mm, 4 mm	Diamond Burs: 2 mm, 3 mm, 4 mm - 5 nos each
6	Pg 47, Para D 2	Sterilisable through Steam, ETO & Flash hand-piece,	Sterilisable through Steam or ETO or Flash hand-piece,
7	Pg 47 , Para D 2 g.	g. Perforator Bits	Perforator Bits - 5 nos
8	Pg 47 , Para D 2 h.	h. Cutter for Footed attachment	Cutter for Footed attachment - 5 nos
9	Pg 47 , Para D 2 i.	i. Stainless Steel Burs: 1 mm, 2 mm, 3 mm and 4 mm	Burs: 1 mm, 2 mm, 3 mm and 4 mm - 5 nos each
10	Pg 47 , Para D 2 j.	j. Diamond Burs: 2 mm, 3 mm, 4 mm	Diamond Burs: 2 mm, 3 mm, 4 mm - 5 Nos each
11	Pg 48 , Para D-3	Micro oscillator saw handpiece: Maximum speed of 23000 cpm or more	Micro oscillator saw handpiece: Maximum speed of 15000 cpm or more
12	Pg 48 , Para D-3	Choice of Blades	Choice of Blades - 20 nos. (as per user requirement)

Sl. No.	Page/Para	EXISTING SPECIFICATION	AMENDED AS
13	Pg 48 , Para D-4	Micro sagittal saw hand-piece: Maximum speed of 23000 cpm or more	Micro sagittal saw hand-piece: Maximum speed of 15000 cpm or more
14	Pg 48 , Para D-4	Choice of Blades	Choice of Blades - 20 nos. (as per user requirement)
15	Pg 48 , Para D-5	Micro reciprocating saw hand-piece: Maximum speed of 17000 cpm or more	Micro reciprocating saw hand-piece: Maximum speed of 10000 cpm or more
16	Pg 48 , Para D-5	Choice of Blades	Choice of Blades - 20 nos. (as per user requirement)
17	Pg 48 , Para D-6	Universal driver: Should have variable speed control, with a Maximum speed of 1500 rpm	Universal driver: Should have variable speed control, with a Maximum speed of 1000 rpm or more

Added BOQ - MULTIPURPOSE ELECTRIC DRILL & SAW SYSTEM

S.No.	Name of Item	Qty/Unit	UOM
1	Microprocessor based control unit	01	No.
2	Foot switch	01	No.
3	Connecting cord	01	No.
4	Micro Drill handpiece for onco-plastic & reconstructive surgeries	01	No.
5	Straight short micro drill attachment	01	No.
6	Straight long micro drill attachment	01	No.
7	Angled short micro drill attachment	01	No.
8	Angled long micro drill attachment	01	No.
9	Cutting burrs for micro drill: 1 mm, 2 mm, 3 mm and 4 mm	05	Nos. each
10	Diamond burrs for micro drill: 2 mm, 3 mm and 4 mm	05	Nos. each
11	High torque micro drill Hand piece for onco-skull, spine & head and neck surgeries	01	No.
12	Straight high torque micro drill attachment 7-8 cm	01	No.
13	Straight high torque micro drill attachment 11-12 cm	01	No.
14	Angled high torque micro drill attachment 7-8 cm	01	No.
15	Angled high torque micro drill attachment 11-12 cm	01	No.
16	Perforator chuck	01	No.
17	Footed attachment for craniotomy - non rotating, 16 mm	01	No.

Added BOQ - MULTIPURPOSE ELECTRIC DRILL & SAW SYSTEM			
S.No.	Name of Item	Qty/Unit	UOM
18	Perforator bits for high torque micro drill	05	Nos.
19	Cutter for footed attachment	05	Nos.
20	cutting burrs for high torque micro drill: 1 mm, 2 mm, 3 mm and 4 mm	05	Nos. each
21	Diamond burrs for high torque micro drill: 2 mm, 3 mm and 4 mm	05	Nos. each
22	Micro oscillating saw handpiece	01	No.
23	Blades for oscillating saw	20	Nos. (as per user requirement)
24	Micro sagittal saw handpiece	01	No.
25	Blades for sagittal saw	20	Nos. (as per user requirement)
26	Micro Reciprocating saw handpiece	01	No.
27	Blades for reciprocating saw	20	Nos. (as per user requirement)
28	Universal driver	01	No.
29	Jacob's chuck	01	No.
30	Wire chuck	01	No.
31	Pin chuck	01	No.
32	Micro-debrider	01	No.
33	Blades for micro-debrider:		
a	2.5 mm Aggressive, 11 cm	01	Box
b	4.0 mm Aggressive, 11 cm	01	Box
c	4.0 mm Aggressive, Serrated, 11 cm	01	Box
d	4.0 mm Angled Aggressive, 40 degree, 11 cm	01	Box
e	4.0 mm Angled Aggressive, 60 degree, 11 cm	01	Box
f	4.0 mm Angled, convex, 11 cm	01	Box

Item No. 5 (Rfx/Event number 3000002605)

Biological Fluid Automated Aspirator and Disinfector

Added BOQ - Biological Fluid Automated Aspirator and Disinfector			
S.No.	Name of Item	Qty/Unit	UOM
1	Biological fluid automated aspirator and disinfector	01	No.
2	Consumables including filters and certified disinfectant (packs/bottles sufficient for 100 uses)	100	100 Uses

Item No. 7 (Rfx/Event number 3000002607)**Molecular Resonance Lancet**

Added BOQ - Molecular Resonance Lancet			
S.No.	Name of Item	Qty/Unit	UOM
1	Molecular Resonance Lancet	01	No.
2	Consumables:		
a	Needles/loops/blades for coagulation, cutting & fulguration functions	10	Sets
b	Double finger Switch (cut & coagulation, three pin type)	10	Nos.
c	One each of Bipolar Forceps Straight, Bipolar Forceps 45 degree, Bipolar Forceps Bayonet Shaped (stainless steel) user selectable with cables.	01	Each
d	Reusable patient plate	05	Nos.

Item No. 8 (Rfx/Event number 3000002608)**OT Table (High End)**

Sl. No.	Page/Para	EXISTING SPECIFICATION	AMENDED AS
1	Pg 52 , Para I	Multipurpose Electro Mechanical/Electro Hydraulic with manual/electric override mobile Table with divided leg section suitable for all major surgical procedures, complete with 5cm or more foam mattress and corded handset.	Multipurpose Electro Mechanical/Electro Hydraulic/ Powered with manual/electric override mobile Table with divided leg section suitable for all major surgical procedures, complete with 5cm or more foam mattress and corded handset.
2	Pg 52 , Para II	Electrical specifications:	Technical Specifications
3	Pg 52, Para II 5.	Width: 550-600 mm	Width: 550-600 mm (with side rails)
4	Pg 52, Para II 7.	Maximum height (without mattress) : More than 1050 mm.	Maximum height (without mattress) : More than 1000 mm.
5	Pg 52 , Para II(8)	Maximum lateral tilt : 20 – 30 deg. or more (both sides)	Maximum lateral tilt : 18 – 25 deg. or more (both sides)

Sl. No.	Page/Para	EXISTING SPECIFICATION	AMENDED AS
6	Pg 53 , Para II(12)	Leg section adjustment : + 50 deg. to - 90 deg.	Leg section adjustment: +10 deg. to - 90 deg.
7	Pg 53 , Para II(15)	Longitudinal movement : ± 250 – 300 mm	Longitudinal movement: 150 mm or more from centre
8	Pg 52 , Para III	Technical Specifications - Accessories	Standard Accessories (required for 9 nos. OT Tables)
9	Pg 53 , Para III(2)	Lithotomy leg holders	Deleted
10	Pg 53 , Para III(8)	Arm support, Perspex – 2 Pc	Lateral arm support- 1 No.
11		Added Para:	Added Para: Large arm board for hand surgery- 2 nos.
12		Added Para:	Added Para: Clamp for attaching side supports: 3 nos.
13		Added Para:	Added Para: Lateral support - 1no.
14		Added Para:	Added Para: Back support: 2 nos.
15		Added Para:	Added Para: Pubic support: 1 no.
16		Added Para:	Added Para: Tunnel cushion for leg in lateral position: 1 no.
17		Added Para:	Added Para: Gel Chest Roll: 2 nos.
18		Added Para:	Added Para: Gel Head rings Medium & Large- 1 no. each.
19	Pg 53 , Para V.a	Gynae & Urology Accessories	Gynae and Urology accessories (required for 4 nos. OT Table)
20	Pg 53 , ParaV.a(iii)	Clamp for attaching side supports: 3 nos.	Deleted
21	Pg 53 , ParaV.a(iv)	Lateral support: 1 no.	Deleted
22	Pg 53 , Para V.a(v)	Back support : 1 No.	Deleted.
23	Pg 53 , ParaV.a(vi)	Pubic Support: 1 no.	Deleted.

Sl. No.	Page/Para	EXISTING SPECIFICATION	AMENDED AS	
24	Pg 53 , ParaV.a (vii)	Tunnel Cushion for leg in lateral position: 1 No.	Deleted.	
25	Pg 53 , Para V.b	Neurosurgery	Neurosurgery accessories (required for 1 no. OT Table)	
26	Pg 53 , Para V.b(i)	Connection Bracket : 1 No.	Connection Bracket: 2 nos	
27	Pg 53 , ParaV.b(iv)	Doro Skull Clamp : 1 No	Doro/ Maryland Skull Clamp : 1 No	
28	Pg 53 , ParaV.b(vi)	Connecting Fixture : 1 No	Deleted.	
29	Pg 53 , ParaV.b (viii)	Prone Head rest - 1no.	Deleted	
30		Added Para:	Added Para: Neurosurgery Accessories: Sitting position attachments - 2 Nos	
31		Added Para:	Added Para: Para. V.C.Accessories for Operating in Prone position (required for 2 nos. OT Tables) i. Prone face support - 1 no. ii. Prone Arm support-2 nos. iii. Prone chest support-1 no. iv. Prone pelvic support-1 no.	
32		Added Para:	Added Para: Demonstration of quoted model with accessories should be given if desired	
Added BOQ - OT Table				
S.No.	Name of Item		Quantity	UOM
1	OT Table as per technical Specifications		09	Nos.

Added BOQ - OT Table			
S.No.	Name of Item	Quantity	UOM
2	Standard Accessories 1. Arm Board – 2 2. Body strap – 3 3. Anaesthesia screen – 1 4. Clamp, rotary – 2 pc. 5. Clamp, circular – 2 Pc 6. Accessories stand, mobile on castors – 1 Pc 7. Lateral support Arm-1no. 8. Clamp for attaching side supports- 3 nos. 9. Lateral support- 1 no. 10. Back support- 2 nos. 11. Pubic support- 1 no. 12. Tunnel cushion for leg in lateral position: 1 no. 13. Gel pad head rings medium – 1no. 14. Gel pad head rings large – 1no. 15. Gel chest rolls – 2nos. 16. Large arm board for hand surgery- 1no.	09	Sets
3	Gynae and Urology Accessories for Lithotomy position 1. Seat Plate/Foot extension - 1 No. 2. TUR Drainage Set - 1 No. 3. Lithotomy rods with Clamp - 2 Nos. 4. Lithotomy leg holders (adult) – 1 set	04	Sets
4	Neurosurgery Accessories 1. Connection Bracket: 2 No. 2. Basic Unit for Skull Clamp: 1 No. 3. Adapter for Skull Clamp: 1 No. 4. Doro/Maryland Skull Clamp: 1 No. 5. Adult and Child Pins: 1 No. 6. Horseshoe head rest two-parts: 1 No. 7. Spinal pads : 1 No	01	Set
5	Accessories for Operating in Prone Position 1. Prone face support- 1 no. 2. Prone arm support – 2 nos. 3. Prone chest support – 1 no. 4. Prone pelvic support – 1 no.	02	Sets

Item No. 11 (Rfx/Event number 3000002611)
Bipolar Coagulator for Microscopic Surgery

Added BOQ - Bipolar Coagulator for Microscopic Surgery			
S.No.	Name of Item	Qty/Unit	UOM
1	Bipolar coagulator for Microscopic surgery	01	No.
2	Foot switch	01	No.
3	Consumables:		
a	Double Pneumatic or electrical Pedal	01	No.
b	Bipolar Forceps (Nonstick- AgCu or other alloy offering nonstick effect) Bayonet shaped	05	Nos.
c	Suitable/compatible Bipolar Cable	05	Nos.
d	Power cables	01	No.

Item No. 12 (Rfx/Event number 3000002612)
Hands and Foot wear Disinfection System

Added BOQ - Hands and Foot wear Disinfection System			
S.No.	Name of Item	Qty/Unit	UOM
1	Hands and foot wear disinfection system	01	No.
2	Compatible disinfection solution	01	No.

All other contents of the Bidding Document including terms & conditions remain unaltered.