

Tender No.65.11.8056

**Specification of Harmonic Scalpel (Ultrasonic Energy based Surgical System)
for the DRH BPL under M&P programme for the year 2011-2012 under Rly. Bd's power**

S.No	Cat	Description
1	Major Parameter	<ul style="list-style-type: none"> • <u>GEN 04-Generator 300(110v) 1no. –</u> <p>Ultrasonic generator with fixed frequency of 55.5 KHz with capable of incising tissue and providing homeostasis with minimal thermal injury with having 5mm instruments/probes/shears for both Open and laparoscopic surgeries. with 3 discreet audible tone settings possible to indicate generator status with have an option of reusable HAND ACTIVATION with bilateral switches to change power levels with having with provision for connecting 2 footswitches for two surgeons to work simultaneously with having self-diagnostic mode to detect any problem with generator, footswitch, transducer or instruments with a graphical display to enable surgeon/technicians to understand the problem with have a warning system for a worn out probe/shear/instrument with error codes for better diagnosis with have a vibration range of 50-110 microns (micro meters,µm) for optimal cutting and coagulation with have an option of using 5mm Laparoscopic/Open Shears with integrated hand activation for better control with having shears of variable lengths for different surgeries- 4cm,9cm,14cm,17cm,23cm,36cm and 45 cm with having probes with integrated hand activation and ability to adjust the lengths in order to facilitate better dissection in open surgeries.</p> <ul style="list-style-type: none"> • FSW01-Footswitch and Cable-01no. • HP054-Harmonic Hand Piece-01no. • HPBLUE-Harmonic Blue Hand Piece-01no. • TLB01 -Torque lock blade wrench-02 nos. • HST 02- Test Tip-01no. • CRT01-Generator Cart -01no.
2.	Minor Parameter	<ul style="list-style-type: none"> • ACE36E-Harmonic ACE- Ergonomic grip, Curved blade, 5mmshaft diameter, 36cm shaft length, HP054 compatible with-06nos. • ACE14S-Harmonic ACE Scissor grip, Curved blade, 5mmshaft diameter, 14cm shaft length, HP054 compatible with-06nos. • ACE23E-Harmonic ACE Ergonomic grip, Curved blade, 5mmshaft diameter, 23cm shaft length, HP054 compatible with-06nos. • FCS9-Harmonic FOCUS Scissor grip, Curved blade, HPBLUE compatible with-06nos. • WAVE18S-Harmonic WAVE Scissor grip, Straight blade, 8.5mmshaft diameter, 18cm shaft length, HP054 compatible with-06nos. • SNGCB-Harmonic SYNERGY Curved Blade HPBLUE Compatible with -6nos. • HK105-Combination Hook Blade HP054, HSA08 Compatible with -6nos. • SNGHK- Harmonic SYNERGY Hook Blade HPBLUE Compatible with -6nos. • ACE 36P-Harmonic ACE- Pistol grip, Curved blade, 5mmshaft diameter, 36cm shaft length, HP054 compatible with-06nos. • LCSC5HA-Laparoscopic Coagulating Shears/with Hand Controls -Pistol grip, Curved blade, 5mmshaft diameter, 36cm shaft length, HP054 compatible with-06nos. • LCSC1HA-Laparoscopic Coagulating Shears/with Hand Controls -Pistol grip, Curved blade, 5mmshaft diameter, 36cm shaft length, HP054 compatible with-01no. • LCSC5L- Laparoscopic Coagulating Long Shears- Pistol grip, Curved blade, 5mmshaft diameter, 45cm shaft length, HP054 compatible with-06nos. • LCSC5- Laparoscopic Coagulating Shears- Pistol grip, Curved blade, 5mmshaft diameter, 36cm shaft length, HP054 compatible with-06nos. • LCSC1- Laparoscopic Coagulating Shears-Pistol grip, Curved blade, 5mmshaft diameter, 36cm shaft length, HP054 compatible with-01no.

		<ul style="list-style-type: none"> • ACE23P-Harmonic ACE Pistol grip, Curved blade, 5mmshaft diameter, 23cm shaft length, HP054 compatible with-06nos. • CS14C-Coagulating Shears Scissor grip, Curved blade, 5mmshaft diameter, 14cm shaft length, HP054 compatible with-06nos. • CS23C- Coagulating Shears Scissor grip, Curved blade, 5mmshaft diameter, 23cm shaft length, HP054 compatible with-06nos. • HBC05- Laparoscopic Ball Coagulator 5mmshaft diameter, 31cm shaft length, HP054, HSA08 compatible with-06nos. • HC325- Laparoscopic Curved Blade 5mmshaft diameter, 32cm shaft length, HP054, HSA08 compatible with-06nos. • HDH05- Laparoscopic Dissecting Hook 5mmshaft diameter, 32cm shaft length, HP054, HSA08 compatible with-06nos. • HST01 - Sterilization Tray-01no. • TTBlue01-Harmonic Blue Test Tip-01no.
3.	Optional Accessories	<ul style="list-style-type: none"> • WAREX -One year Harmonic Extended Warranty -01no. • HSA06 -5mm blade system adapter-02nos. • HSA07- Hand switching adapter-01no. • HSA08- Disposable hand Switching adapter-03nos. • HAOSL- Harmonic ACE 5mmOpen sleeve-06nos.
4.	AMC /CMC Requirement	Tenderer are required to quote separately for post warrantee AMC for a period of five years after expiry of the warranty period of the M&P along with their offers. The AMC charge would be added to the FOR destination price quoted for M&P for the purpose of comparative evaluations of offer.AMC charges will be include all costs of personnel, spares etc except the cost of consumables required for day-to-day operation. For the purpose of calculating the total cost of offer, the basic cost + taxes etc of the offer and comprehensive AMC cost up to the period of 5 years will be added up & considered for inter-se ranking of the offer. For the maximum down time & response time and for penalties to adhere to the same, the detail is given in warranty terms below.
5.	Warranty	12 months from the date of commissioning or 18 months from the date of supply. (Maximum two weeks will be allowed for attending and rectification of faults during the warranty period. A penalty of 0.5% per week of the contract value will be levied for delay in response time for attending and rectification of faults beyond specified time & maximum penalty to be levied on account of warranty failure will be 5% of contact value calculated during whole warrantee period and after that if there is any delay on the part of supplier, purchaser shall be entitled for encashment of WG bonds.)
6.	Special Requirement	Training of one Doctor and one paramedical staff in a recognized reputed institute.