

INVITATION FOR QUOTATION

HSCC/PUR/KCGMC/Low Value/Medical College Items/2017/MC-Jun (9)

Dated: 29th June, 2017

To

All Bidders

Subject: Invitation for Quotations for supply of Low Value Items for Forensic Medicine Department of Kalpana Chawla Medical College, Karnal, Haryana.

Dear Sirs,

1. HSCC (India) Ltd. for and on behalf of Director General, Medical Education & Research, Panchkula, Govt. of Haryana invites your most competitive quotation for the following goods of the respective Departments are details below:

Annexure - I (Including name of items, Specification and Quantity)

- (I) Department of Forensic Medicine.
2. Quotation:
 - 2.1 The contract shall be for the full quantity as described above.
 - 2.2 Corrections, if any, shall be made by crossing out, initialling, dating and rewriting.
 - 2.3 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - 2.4 The unit price/ rate of the item should be clearly indicated in the tender. Rates /Prices quoted shall be Inclusive of all taxes, duties, forwarding, and insurance & transportation up to the destination, Kalpana Chawla Medical College – Karnal.
3. Each bidder shall submit only one quotation.
4. Evaluation of Quotations:

The Purchaser shall evaluate and compare the quotations determined to be substantially responsive i.e. which;

 - 4.1 are properly signed; and
 - 4.2 confirm to the terms and conditions, and specifications.
 - 4.3 final considerations of equipments shall be based on the quality of equipments during demonstration / inspection.

5. The Quotations would be evaluated item wise.
6. Award of contract:
 - 6.1 The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest rate for the item subject to quality of the items during demonstration / inspection.
 - 6.2 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and cancel the bidding process and reject all quotations at any time prior to the issue of Purchase Order, without assigning any reason.
7. Delivery period shall be within **07** days from date of placement of order.
8. Payment shall be made only in Indian Rupees as follows:

Satisfactory Acceptance and delivery - 100% of total cost

100% Payment on submission of following documents (Duly signed & stamped at your end):-

- Copy of Purchase order.
- Consignee receipt in original issued by KCGMC/HSCC
- Invoice in favour of consignee/Director, KCGMC, Karnal through HSCC (I) Ltd
- Warranty Certificate in original.

9. All supplied items shall be under warranty of **12** months from the date of successful acceptance and date of delivery of items.
10. You are requested to provide your offer as follows:

Sr. No.	DESCRIPTION	ITEMS	Closing date & time for submission & receipt of tender	Date and time of Opening of Techno – Commercial Tenders
A	Equipments for Department of Forensic Medicine:		12.07.2017 at 14:00	12.07.2017 at 14:30
	Annexure - I: List of Weapons	64		
	Annexure - II: List of Photographs	30		
	Annexure - III: List of Models	69		
	Annexure - IV: List of Bones	3		
	Annexure - V: List of Poisons	156		
	Annexure - VI: List of Charts	94		

NOTE: (Under any unforeseen circumstances if the due date for submission of Tender is declared as holiday then the tender shall be submitted & opened on the next working day at the scheduled time).

The quotations will be opened in HSCC office, NOIDA as mentioned above in the presence of tenderer or their authorised agents as they may choose to attend.

11. Information brochures/ Product catalogue, if any, must be accompanied with the quotation clearly indicating the model quoted for.

12. Sealed quotation to be submitted/ delivered at the address mentioned below:

**General Manager (Procurement)
HSCC (India) Ltd.
E- 6 (A), Sector -1.
NOIDA – 201 301.**

THE COVER SHOULD BE SUPERSCRIBED WITH THE FOLLOWING:

Reference to letter of enquiry.
Due date of opening.
Serial No of the Items.

13. Quoted amount should be in Indian Rupees only.

14. For all items, the Technical Evaluation Committee may opt for Demonstration of the items. The Committee may also ask for Demonstration / Inspection before supply / delivery of the items for quality assurance.

15. Insurance shall be arranged/borne by supplier.

Note: Please indicate the quotation reference no. (Given at the top of page 1 of this letter) and Serial No of the Items on the top of the envelope.

The details of various medical equipment shall be also made available at www.hsccltd.co.in, and modification/amendments etc, if any, shall only be notified on website only.

We look forward to receiving your quotation and thank you for your interest in this project.

General Manager (Procurement)

I. DEPARTMENT OF FORENSIC MEDICINE

LIST OF LOW VALUE LABORATORY EQUIPMENTS IN FORENSIC MEDICINE DEPARTMENT

ANNEXURE I (LIST OF WEAPONS)

Sr. No.	Item Required
1.	AXE
2.	BASOLI
3.	BELAN
4.	BELCHA
5.	BHALA
6.	BLADE
7.	BLADE HACKSAW
8.	BROKEN BOTTLE
9.	CHAINI
10.	CHIMTA
11.	CHISEL
12.	CHOPPER
13.	CRICKET BAT
14.	CUTTER
15.	DAO
16.	DATI /DRANTI
17.	PROTOTYPE FIREARM WEAPONS (One No each of Revolver, Pistol, Rifle and Shotgun with ammunitions - cartridge case and 2 rounds of bullets & pellets)
18.	FARSA
19.	FLASK HOLDER
20.	FORK
21.	GAINTI
22.	GOKHRU
23.	HAMMER
24.	HOCKEY
25.	ICE PICK
26.	IRON CHAINS
27.	IRON ROD
28.	JUMPING ROPE
29.	KASSI
30.	KARNI
31.	KHAUNCHA
32.	KHUKHRI
33.	KHURPI
34.	KNIVES
35.	KUDALI
36.	LATHI
37.	MADHANI
38.	MEAT CHOPPER
39.	NIRANI
40.	PLIER (PALAS)

41.	PUNCH
42.	PARKHI
43.	PETHA PINNER
44.	PHAWADA
45.	POINTED IRON ROD
46.	RAMPURI CHAKU
47.	ROPE (One No each of Jute and plastic)
48.	SAW
49.	SAW (METAL)
50.	SCISSORS (BIG)
51.	SCISSORS (CURVED)
52.	SCISSORS (GRASS CUTTING)
53.	SCISSORS (STRAIGHT)
54.	SCREW DRIVER
55.	SICKLE
56.	STONE
57.	SWORD
58.	TEER
59.	TENTWA
60.	THAPPI
61.	TRISHUL
62.	TYRE
63.	WEAVER'S INSTRUMENT
64.	WICKET

NOTE: One each of all the above items

ANNEXURE II (LIST OF PHOTOGRAPHS)

Sr. No.	Item Required
1	Advanced Decomposition
2	Autoerotic / Sexual Asphyxia
3	Degree of burns
4	Contusion / Bruises
5	Defence Wounds
6	Dribbling of Saliva in a case of Hanging
7	Entry wound of Firearm Over Skull
8	Fabricated Wounds
9	Garroting
10	Graze or Grinding Abrasion
11	Postmortem burns
12	Homicidal Stab Injuries over Chest
13	Imprint or Patterned Abrasion
14	Incomplete or Partial Hanging
15	Laceration of Liver
16	Defence wound
17	Linear Abrasion or Scratches
18	Pressure Abrasion
19	Homicidal cut throat
20	Postmortem Artefacts due to Maggots
21	Rifled Firearm Entry Wound
22	Shotgun Entry Wound
23	Smothering
24	Stab injury Liver
25	Comminuted fracture of skull
26	Throttling
27	Stab Injury of Pericardium and Heart
28	Lynching
29	Transverse Ligature Mark of Strangulation
30	Traumatic Asphyxia

NOTE:

One each of all the above items

Note:1. All the Photographs should preferably be provided on a laminated, wall mountable board.

Following details should be mentioned above each of the Photograph:

"DEPARTMENT OF FORENSIC MEDICINE, KCGMC, KARNAL" in single line.

All Photographs should be thick Laminated & PVC Mounted & must be quoted separately for each photo.

ANNEXURE III (LIST OF MODELS)

Sr. No.	Item Required
1	Acetic Acid Poisoning: Stains on the Lip and tongue caused by Glacial acetic acid.
2	Action of maggots.
3	Adipocere.
4	Ante-mortem Burns
5	Arsenic Skin Complications. (Front View).
6	Asphyxia Hanging.
7	Automobile injuries.
8	Blast injury
9	Bruises: showing parallel linear hemorrhages due to lathi
10	Burns (Degree of burns).
11	Cadaveric Spasm: - The electric wire firmly grasped in the hand. A Case of accidental death from electricity.
12	Cadaveric spasm (Grass weeds)
13	Choking.
14	Copper Sulfate Poisoning (Suicidal) presence in mouth.
15	Crescentic Abrasions
16	Death due to starvation.
17	Decomposed Body
18	Defensive wounds.
19	Drowning.
20	Effects of poisoning
21	Electric injury
22	Entrance wound shooting with gun
23	Exhumed Body
24	Exit wound of firearm
25	Firearms wounds.
26	Grazed abrasion
27	Healing of wounds.
28	Homicidal wounds.
29	Incised Wound
30	Injuries - nose cut
31.	Kerosene Burning
32.	Lacerated wound and Incised wound
33.	Ligature mark of neck
34.	Manual strangulation i.e throttling
35.	Mouth & tongue in poisoning by Cocaine.
36.	Mummification.
37.	Nitric acid Vitriolage on the body.
38.	Poisoning of a mixture of Sulphuric and nitric acid. Stains on Lip, right angles of mouth, chin due to corrosive action of these acid.
39.	Poisons.
40.	Post Mortem Staining.
41.	Post Mortem Changes
42.	Protrusion of eye balls
43.	Putrefaction
44.	Sexual assault and murder
45.	Sexual offences.
46.	Snake bite (nontoxic)

47.	Snake bite VIPER (toxic)
48.	Stab wound
49.	Stomach in poisoning by Oxalic acid.
50.	Stomach in acute poisoning by Arsenic.
51.	Stomach in Poisoning by Carbolic acid.
52.	Stomach in Poisoning by Caustic potash.
53.	Stomach in poisoning by Hydrochloric acid.
54.	Stomach in poisoning by Nitric acid.
55.	Stomach in poisoning by Potassium Cyanide.
56.	Stomach in poisoning of Sulphuric Acid.
57.	Stomach Poisoning by Alcohol.
58.	Stomach poisoning by Opium
59.	Stomach Poisoning by Phosphorus - red & white.
60.	Strangulation by ligature
61.	Sulphuric acid Vitriolage on the face and chest
62.	Suicidal cut throat
63.	Suicidal Hanging
64.	Sulphuric Acid Poisoning. Stains on angles of mouth and chin due to corrosive action of sulphuric acid.
65.	Tattoo mark over forearm
66.	Traumatic Asphyxia
67.	Tuft of Hair.
68.	Types of hymen.
69.	Types of wounds.

NOTE: One each of all the above items

ANNEXURE IV (LIST OF BONES)

Sr. No.	Item Required	Quantity
1.	Human Male Skeleton - Articulated (along with proper stand and support)	06
2.	Human Female Skeleton - Articulated (along with proper stand and support)	06
3.	Disarticulated Human skeletons (Bone sets)	06

ANNEXURE V (LIST OF POISONS)

Sr. No.	Item Required
1.	Acetic acid glacial
2.	Acetone.
3.	Aconite
4.	Ajwain
5.	Alcohol (Methyl and Ethyl)
6.	Aluminium sulphate
7.	Aluminium sulphide
8.	Aluminum nitrate.
9.	Ammonia solution.
10.	Ammonium carbonate.
11.	Ammonium chloride.
12.	Ammonium ferrous sulphate
13.	Ammonium nitrate
14.	Ammonium oxalate
15.	Ammonium sulphate
16.	Antimony sulphate
17.	Alum or phitkari
18.	Arandi oil (Castor oil)
19.	Arandi seeds
20.	Argemone prickly poppy
21.	Arsenic oxide or trioxide
22.	Atom-Imidacloprid 17.8% SL.
23.	Barium
24.	Barium carbonate.
25.	Barium chloride.
26.	Barium chromate
27.	Barium hydroxide
28.	Barium nitrate
29.	Barium phosphate
30.	Benzene.
31.	Bismuth
32.	Bleaching powder.
33.	Borax.
34.	Boric acid.
35.	Boron
36.	Bromine
37.	Cadmium acetate.
38.	Calcium carbonate.
39.	Calcium chloride
40.	Calcium hydroxide
41.	Calcium hydrogen orthophosphate.
42.	Calcium oxalate
43.	Calcium sulphate dihydrate.
44.	Calotropis
45.	Camphor.
46.	Canabis sativa
47.	Centipede
48.	Cerbera thevetia (Yellow Kaner)
49.	Chloral hydrate
50.	Chlorine
51.	Chromic Acid
52.	Colocynth (Bitter Apple)
53.	Copper sulphate

54.	Cupric sulphate.
55.	Cypermethrin 10%
56.	D.D.V.P
57.	Daalcheeni.
58.	DDT
59.	Dhatura seeds
60.	Endrin
61.	Ferric oxide red.
62.	Ferrous ammonium sulphate
63.	Ferrous chloride anhydrous.
64.	Formaldehyde solution.
65.	Formalin.
66.	Gramoson
67.	Heera (2,4-D ethyl ester)
68.	Hot shot-Imida cloprid a.i 17.80% SL.
69.	Hydrochloric acid
70.	Hydrofluoric acid
71.	Imidacloprid
72.	Insecticidal marshal
73.	Iodine
74.	Iron phosphate
75.	Iron Sulphate
76.	Jaiphal
77.	Jamalgota (Croton Tiglium)
78.	Kalmi-shora
79.	Kaner
80.	Lal mirch (Capsicum)
81.	Lastraw
82.	Lead borate
83.	Lead carbonate
84.	Lead chloride.
85.	Lead nitrate.
86.	Lime water.
87.	Magnesium bicarbonate
88.	Magnesium chloride.
89.	Magnesium nitrate.
90.	Magnesium oxalate
91.	Magnesium sulphate.
92.	Magnesium sulphide
93.	Manganese dioxide
94.	Marshal 25 E
95.	Mercury
96.	Malathion
97.	Methyl parathion 2% DP.
98.	Naphthalene powder.
99.	Neelathotha
100.	Neem baan (azadirachtin)
101.	Nerium Odorum (White Kaner)
102.	Nitric oxide
103.	Oleander
104.	Opium
105.	Oxalic Acid
106.	Paraffin wax.
107.	Pest seal.
108.	Phosphorus (white or yellow and Red)
109.	Picric Acid
110.	Plaster of paris
111.	Plumbago rosea

112.	Potassium bicarbonate.
113.	Potassium carbonate anhydrous.
114.	Potassium chloride.
115.	Potassium Hydroxide
116.	Potassium nitrate
117.	Potassium permanganate
118.	Potassium sulphate.
119.	Profax
120.	Rakshak (disinfectant phenyl 2)
121.	Rattan jot.
122.	Rati (Abrus precatorius)
123.	Roban-rat killer.
124.	Rogan dhatoora.
125.	Rogan khashkhash.
126.	Salicylic Acid
127.	Sankhia
128.	Sapindastrifoliatus
129.	Scorpion sting
130.	Semecarpus anacardium
131.	Sindoor
132.	Silver Nitrate
133.	Sodium carbonate anhydrous.
134.	Sodium chloride
135.	Sodium hydroxide.
136.	Sodium nitrate
137.	Spray.
138.	Strychnos (Nux Vomica)
139.	Sulban chlorpyriphos
140.	Sulphous.
141.	Sulphur powder.
142.	Sulphuric acid.
143.	Supari
144.	Tannic acid.
145.	Tartaric Acid
146.	Temiseal (chloropyriphos)
147.	Terpentine oil
148.	Thallium
149.	Tobacco
150.	Washing soda
151.	White disinfectant fluid
152.	Yellow ammonium sulphide solution
153.	Zinc chloride
154.	Zinc Oxide
155.	Zinc Phosphide
156.	Zinc sulphate

NOTE: One each of 500 ml (in good quality Glass Bottle) for all the above items

ANNEXURE VI (LIST OF CHARTS)

Sr. No.	Item Required
1.	Ages of appearance and fusion of different ossification of bones : - 1. Whole Skeleton. 2. Hip bone. 3. Body, manubrium and xiphoid process of Sternum. 4. Humerus, Radius and Ulna. 5. Femur, Tibia and Fibula. 6. Clavicle and Scapula.
2.	Advantages and disadvantages of comparisons of teeth and finger prints.
3.	Blood factors of Fisher & Race & Wiener R. H. Agglutinogens & blood factors.
4.	Mode of Death – Syncope
5.	Mode of Death—Asphyxia
6.	Mode of Death—Coma.
7.	Causes of Impotence & Sterility in Males.
8.	Causes of sudden death.
9.	Cephalic Index.
10.	Classification of Wound.
11.	Details of examination of Mutilated Bodies / Decomposed Bodies and bony remains.
12.	Determination of ABO Groups.
13.	Determination of Identity.
14.	Determination of race in Hindu & Mohammadan Female.
15.	Determination of race in Hindu & Mohammadan Male.
16.	Determination of sex.
17.	Difference between arsenic poisoning & cholera.
18.	Difference between cobra & viper (Fatal dose & amount injected in one bite)
19.	Difference between Hanging & Strangulation.
20.	Difference between oxalic acid, magnesium sulfate.
21.	Difference between Respired and un-respired Lungs.
22.	Difference between temporary & permanent teeth.
23.	Difference in lungs before, after Respiration.
24.	Differences between Ante-mortem and Postmortem Abrasions.
25.	Differences between Bruise & Congestion.
26.	Differences between Bruise and Postmortem Staining.
27.	Differences between Bruises and lesions Produced by Chemicals or Plant Juices.
28.	Differences between Civil and Criminal Negligence.
29.	Differences between professional negligence and infamous conduct.
30.	Differences between dhatura and capsicum seeds.
31.	Differences between male and female sex characters.
32.	Differences between Coroner's Court and Judicial Magistrate's Court.
33.	Differences between Police Inquest (Investigation) and Magistrate/ Coroner's Inquest
34.	Differences between professional Negligence & Professional Misconduct
35.	Differences between Suicidal and Homicidal Cut Throat.
36.	Differences between true Insanity and Feigned Insanity.
37.	Differences between mandible in infancy, adult and old age.
38.	Differences between Postmortem hypostasis and congestion.
39.	Differences between rigor mortis and cadaveric spasm.
40.	Differences between drunkenness and concussion.
41.	Differences between extra-dural hematoma due to burns and due to blunt force.
42.	Differences between Ante-mortem and Postmortem wounds.
43.	Differences between wounds of entrance and exit of a bullet wound.
44.	Differences between human and animal hair.
45.	Differences between true bruise and artificial bruise.
46.	Differences between Ante-mortem and Postmortem burns.
47.	Differences between fresh water and sea water drowning.
48.	Differences in the uterus of parous and nulliparous women.
49.	Differences between virginity and defloration.

50.	Differences between drug addiction and drug habituation.
51.	Differences between white phosphorus and red phosphorus.
52.	Different Measurements of Uterus after delivery.
53.	Difficulties in detection of crime in India.
54.	Distinction between natural & criminal abortion.
55.	Effects of Cocaine.
56.	Effects of Dhatura.
57.	ESTIMATION OF AGE – Ages of Eruption of Teeth.
58.	External Morphological Features in Male and Female
59.	Gordon's Classification of Death.
60.	Height of fundus of the Uterus at Different Periods of Pregnancy.
61.	Impact of car from behind with person falling.
62.	International System of Numbering Teeth.
63.	Interpretation of 114 Drugs Concentrations in Blood.
64.	Interpretation of Chemical Concentrations in Blood.
65.	Material to be preserved in case of suspected poisoning.
66.	Medico legal Aspect of Age.
67.	Methods for determining the extent of a burn.
68.	Methods of inducing Criminal Abortion.
69.	MN System. The genotype of parents & Phenotypes of children's.
70.	Multiplication factor for different bones for calculation of persons of different parts of India
71.	Postmortem changes and the process of decomposition.
72.	Postmortem changes in myocardial infarction.
73.	Pressure in Chamber, Muzzle Velocity, Spinning Revolution of Projectile, Striking Range and Effective Range of Projectiles, Features of Fire Arm Injuries, Extent of Effects of Partly Burnt Gun Powder, Smoke, Heat and Fire, Wound of Entrance at Different Parts of the Body at Different Distances in Case of Shot Gun.
74.	Putrefactive changes occurring at different periods of time in a body submerged in water.
75.	Racial Difference in Skull.
76.	Sex Differentiating Features in Hip Bone Differentiating.
77.	Sex Differentiating Features in Articulated Pelvis in addition to those present in Hip Bone & Sacrum.
78.	Sex Differentiating Features in Femur.
79.	Sex Differentiating Features in Mandible.
80.	Sex Differentiating Features in Sacrum
81.	Sex Differentiating Features in Skull
82.	Side effects of antipsychotic & depressants drugs.
83.	Sign & symptoms of pregnancy in woman.
84.	Sign of Death
85.	Skeletal maturation and growth
86.	Structure of firearm weapons and their components properties of different explosives.
87.	Symptoms & signs of Acute Alcohol Poisoning.
88.	The postmortem fate of Human remains Summer Decay rates (Bodies on Surface) and Winter.
89.	The various ABO matings & the children which can arise from them.
90.	Treatment of some common Poisons.
91.	Types of guns and mechanism of breech loading.
92.	Types of Intersex.
93.	Types of medical evidence.
94.	Wound entrance at different parts of the body at different distance in case of short barrelled rifled guns.

NOTE:

One each of all the above items

Note:1. All the Charts should preferably be provided on a laminated, wall mountable board.

Following details should be mentioned above each of the Charts:

"DEPARTMENT OF FORENSIC MEDICINE, KCGMC, KARNAL" in single line.

All Charts should be thick Laminated & PVC Mounted & must be quoted separately for each Chart.

Price bid

SI No.	Name of Item	Qty(Nos)	Unit Price(Rs.)	Tax (if any)	Unit Price (Incl. Tax)	Total Price(Incl. Tax) Rs.

We accept all terms and conditions of the above Invitation of Quotation

Authorized signatory
Name , designation and sealed