

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES SHEIKHPURA,

PATNA – 14 – (BIHAR)

SHORT QUOTATION NOTICE No.- Engg/01/C/EC/2018-19

Sealed item rate quotations for following works are hereby invited from reputed service agency who have experience in similar nature of works . Quotationer can submit their quotations within schedule time in hard copy in The Office of The Superintending Engineer, IGIMS, Patna.

Last Date for submission of rate quotation in the office of Superintending Engineer (Civil), IGIMS, Patna-14.

Dated : 14/06/2018 till 3.00 PM

Date & Time of opening the received quotation

Dated:- 15/06/2018 at 2.00PM

Quotation No.	Details of work
A	Name of work : - Supplying Installation, testing and commissioning of Fire Fighting Work at IGIMS, Patna .
B	Name of work : - Supplying and fixing of I.V. Hanger Overhead Intravenous Track System for ICU Bed at IGIMS, Patna
C	Name of work : - Supplying and fixing of furniture cushioning sheet for attendant bed cushion in Old Pvt. Ward at IGIMS, Patna
C.	Name of work : - Supplying and fixing of G.I metal work false Ceilings Pre coated in Deptt. of Microbiology and Deptt. of Radiology at IGIMS, Patna
	The Details Can be Viewed on Institute web site. www.igims.org
	sd/- Superintending Engineers
	IGIMS, PATNA

QUOTATION PART-(A)

Name of work : - Supplying Installation, testing and commissioning of Fire Fighting Work at IGIMS, Patna .

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
	SUB HEAD - I - FIRE FIGHTING PUMPS & EQUIPMENTS			
1	Supply, Installation, Testing and Commissioning of Electric Motor Driven Main Fire Pump suitable for auto operation & consisting of following: complete in all respect as required.			
	Motor Rating (HP) : 180			
	Capacity (LPM) : 2850			
	Rated speed (rpm)/ Pole : 1480			
	Total Dynamic Head (Mtr) : 175	1.00	Set	
	Make:- KIRLOSKAR or Equivalent			
2	Supply, Installation, Testing and Commissioning of Diesel Engine Driven Fire Pump suitable for auto operation and consisting of following: complete in all respect as required.			
	Motor Rating (BHP) : 168			
	Capacity (LPM) : 2850			
	Rated speed (rpm)/ Pole : 1800			
	Total Dynamic Head (Mtr) : 175	1.00	Set	
	Make:- KIRLOSKAR / GREAVES or Equivalent			
3	Supplying, Installation, Testing and Commissioning of Electric Driven Pressurization Pump (Jockey Pump) suitable for auto operation and consisting of following: complete in all respects as required.			
	Motor Rating (HP) : 12.5			
	Capacity (LPM) : 180			
	Rated speed (rpm)/ Pole : 2880			
	Total Dynamic Head (Mtr) : 175	1.00	Set	
	Make:- KIRLOSKAR or Equivalent			
4	Fabrication, Supplying, Installation, Testing & Commissioning of Electrical Fire Motor Control Panel of cubical construction, floor mounted type, fabricated out of 2mm. thick CRCA sheet, compartmentalized with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, interconnection with solid aluminium strip / single core PVC insulated FRLS copper conductor cable, having suitable mountings for switchgears and accessories and internal control & power wiring with suitable rating PVC insulated FRLS copper conductor, earth terminals, numbering etc. complete in all respects, suitable for operation on 415 V, 3 phase 50 HZ AC supply with enclosure protection class IP 42 with aluminium bus bar etc complete as required.			
	Make:- RIVA / RISHA or Equivalent			
	Incoming			
	500 Amp. 3 Pole, 36kA MCCB - 1 set			
	Each set having the following			
	MCCB Horizontal draw out type of fault breaking capacity 35KA (Ics=Icu=Icw=1 Sec.) Electrical Draw Out Motorized operated, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/ test/isolated position indicators and frame earthing contact, conforming to IS-13947-2 1993 as amended up-to-date complete with following accessories & suitable to receive bus duct connections.			
	Metering and indicating for each incomer:			
a.	Battery charger, voltmeter of range 0-50 Volts and Ammeter of range 0-50 Amps. for trickle and boost charging.			

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
b.	Digital flush type class-1 accuracy multifunction meter with RS485 showing V, A, F, PF, KVAR, KW, KWH etc. with 3 Nos. current transformers of 400/5A ratio, 15 VA Class 1 metering.			
c.	LED indicating lamps for RYB, Breaker ON/ OFF/ TRIP/ "Spring Charged", DC control supply healthy, backed up with control MCB's.			
d.	Exciter field D.C. voltmeter and ammeter.			
e.	MCCB Trip reset luminous push buttons.			
f.	Trip circuit healthy luminous push buttons.			
g.	Required Auxiliary contactors, suitable for 24 V DC.			
h.	Control bus fitting with fuses.			
i.	Hooter			
	Bus Bar :			
	Electrolytic high conductivity aluminium three phase and neutral bus bars rated at 415V, 500 amps, 50Hz, AC, insulated with heat shrinkable coloured PVC sleeves & clip on shrouds for joints.			
	Outgoing for Main Fire Pump & Sprinkler Pump			
a)	MCCB TP, 500 A (with adjustable thermal magnetic release and (Ics=Icu=36KA), with CT operated digital Ammeter (0 - 500 A), with 3 CT's of 500/5 A, 10 VA, accuracy 1.0, ASS and coloured LED for on (Red) indication - 3 Sets			
b)	Fully Automatic Star Delta Starter suitable for fire Pumps motor of minimum 215 HP / (as per the recommendation of pump manufacturer) complete with over load protection, current sensing type single phase preventer complete with contactors, push button, indicators LED type Auto/manual selector switches all accessories and FRLS copper conductor wiring etc. as required - 2 Sets			
	Outgoing for Pressurization Pump(Jockey)			
c)	MCB TP, 32 A, 10 KA with CT operated digital Ammeter (0 - 60 A), with 3 CT's of 32/5 A, 10 VA, accuracy 1.0, ASS and coloured LED for on (Red) indication with adjustable thermal magnetic release - 3 Sets			
d)	Fully Automatic DOL Starter suitable for jockey Pumps motor of minimum 12.5 HP / (as per the recommendation of pump manufacturer) complete with over load protection, current sensing type single phase preventer complete with contactors, push button, indicators LED type Auto/manual selector switches all accessories and FRLS copper conductor wiring etc. as required - 2 Sets			
	Diesel Engine Control			
i)	Auto / Manual selector switch and 3 attempt Starting device, Electronic timer, Relays, Auxiliary switches, Rotary switches, Tripping relays, Contactors, Push button for manual Start / Stop etc. to make the equipment automatic as per functional requirement			
j)	Battery charging unit suitable for 24 V DC with boost and trickle charger, selector switch, with suitable rating transformer, rectifier, RC filter network, fuses on AC and DC protection, 0 - 30 V DC Digital Volt meter, 0 - 20 A DC Digital Ammeter, the charger should be cut off when the engine is started and the batteries shall be charged from battery charging alternator provided in the engine.			
k)	Suitable rating & type standard relays, contactors and other accessories for automatic operation of diesel engine			
l)	Indication LED's for high / low lub, oil pressure, water temperature, engine on indicator, with suitable alarms, acknowledgement button etc.			
	System Controller			
m)	Designing, Supply, Installation, Testing and Commissioning of system controller to control operation of Main Electric Fire Pumps, Diesel Engine Pump, Jockey Pumps, in sequence as per specification consisting of relays, timers, sensors, annunciation window for fault indication, complete as per specification.			
n)	First Jockey pump will start than hydrant and sprinkler pump start, in case of failure of power diesel pump will start.			
o)	Colour coded internal wiring and connections etc. with suitable size Fire Retardant Low Smoke PVC insulated copper cable / solid aluminium strip / bus bar from incoming to bus bar and from bus bar to switch gears / MCCB, starters, meters, selector switches, indicating LED's, interlocking and sequence operation arrangements.			
p)	Terminal facility for repeat indicator of various audio and visual indications.			
q)	First Jockey pump will start than hydrant and sprinkler pump start, in case of failure of power diesel pump will start.			

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
r)	Colour coded internal wiring and connections etc. with suitable size Fire Retardant Low Smoke PVC insulated copper cable / solid aluminium strip / bus bar from incoming to bus bar and from bus bar to switch gears / MCCB, starters, meters, selector switches, indicating LED's, interlocking and sequence operation arrangements			
s)	Terminal facility for repeat indicator of various audio and visual indications.	1.00	Set	
	Fire panel as above			
5	MS (Class 'C') Pipes complete with one coat of primer & two coats of post office red enamel paint tied in ceiling, walls, columns for all heights with hangers/supports and fasteners all as per drawing including chasing of walls/columns/ceiling etc. and making good the same complete required			
a)	250 mm dia	1.00	Metre	
b)	150 mm dia	1.00	Metre	
c)	100 mm dia	1.00	Metre	
d)	80 mm dia	1.00	Metre	
e)	50 mm dia	1.00	Metre	
	Make:- TATA / JINDAL or Equivalent			
6	Supplying, Installation, Testing and Commissioning of CI body flanged (both ends) type serviceable suction / Y strainer with (stainless steel / brass mesh) conforming to relevant IS specifications amended upto date complete including providing and fixing nuts, bolts, washers, gaskets etc. complete as required.			
a)	150 mm dia	1.00	Each	
b)	100 mm dia	1.00	Each	
	Make:- DRONA or Equivalent			
7	Supply, Installing, Testing & Commissioning of C.I Foot Valve as per IS:4038, Lift type, body seat ring of G.M. and Neoprene rubber seated Disc for 100% leak proof with required flanges, nuts, bolts and gaskets etc. complete.			
a)	150 mm dia	1.00	Each	
b)	100 mm dia	1.00	Each	
	Make:- DRONA or Equivalent			
8	Supplying, Installation, Testing and Commissioning of Butterfly valves of PN 1.6 rating of following sizes with nitrile Bronze / G.M. seat duly ISI marked and stainless steel stem with lever/gear operation and cast iron body in powder coated finish for fire fighting application complete in all respects conforming to IS: 13095 as required			

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
a)	150 mm dia	1.00	Each	
b)	100 mm dia	1.00	Each	
c)	80 mm dia	1.00	Each	
d)	50 mm dia	1.00	Each	
Make:- KORO / KARTAR or Equivalent				
9	Supply, Installation, Testing and Commissioning of double flanged cast iron Non-Return Valve (double flapper type) , PN 1.6 of following sizes confirming to IS : 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required.			
a)	150 mm dia	1.00	Each	
b)	100 mm dia	1.00	Each	
c)	80 mm dia	1.00	Each	
Make:- KORO / KARTAR or Equivalent				
10	Supply, Installation, Testing and Commissioning of double flanged cast iron Non-Return Valve (single flapper type) , PN 1.6 of following sizes confirming to IS : 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required.			
a)	50 mm dia	1.00	Each	
Make:- KORO / KARTAR or Equivalent				
11	Supply, Installation, Testing and Commissioning of Gun Metal / Bronze Ball Valves with brass body chrome plated of following sizes as required.			
a)	50 mm dia	1.00	Each	
b)	25 mm dia	1.00	Each	
c)	3/8 mm dia	1.00	Each	
Make:- ZOLOTO or Equivalent				
12	Supply, Installation, Testing and Commissioning of 100 mm dia Bourden type, Stainless Steel dial type Pressure Gauge filled with glycerine including brass isolation valve and siphon pipe having calibration of 0 - 14 Kg / cm ²	1.00	Each	
Make:- H.GURU / UTTAM or Equivalent				

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
13	Supply, Installation, testing and commissioning of pressure switches for Hydrant / Diesel Engine Driven Pump / Jockey Pumps, diaphragm type, adjustable range from 0-9 bar and a regulation range of 0.1- 1.5 bar direct mounted SNAP acting type made from die cast aluminium with epoxy powder coated finish and SS:316 diaphragm and other wetted parts, including necessary wiring up to control panel & other materials as required as per specifications.	1.00	Each	
	Make:- DANFOSS / INDOFOSS or Equivalent			

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
14	Fabricating, Supplying, Installation, Testing and Commissioning of Air Vessel of continuous welded construction with flanged discharge header on the top of each riser fabricated out of 10 mm thick dished ends and 8 mm thick MS sheet, Air Release Valve complete with suitable drain arrangement with 25 mm dia gun metal wheel valve complete with all accessories etc. as required of the following sizes:-			
a)	1500 mm height and 250 mm dia.	1.00	Each	
15	Supplying , installation, testing & commissioning of resilient rubber lined single arch vibration eliminators suitable for raw water up to 45oC temperature, working pressure of 8.8 Kg/cm2 and test pressure 14 Kg/cm2 for Fire Pumps :			
a)	150mm	1.00	Each	
b)	100mm	1.00	Each	
c)	80mm	1.00	Each	
	Make:- UNIQUE or Equivalent			
16	Supplying & Fixing Priming Tank 1000 Lars with working fire delivery line.	1.00	Each	
17	Supplying and fixing fire retardant / extinguishing electrical insulated synthetic mat of 3mm thick $\pm 10\%$ conforming to latest BIS doc no.-ET-02(5440) meeting requirements of IS 3043 / IS 5216 (Part I, II & III), IS 8437 & IEC 479 suitable for all voltages not exceeding 3.3 KV AC supply and having minimum width of 1000mm ± 20 mm and including supply of required quantity of adhesive / compound and fixing the same at site as per site requirement.	1.00	Metre	
18	Fabricating and Installing following size of perforated G.I cable tray including horizontal and vertical bends, reducers, tees, cross members and other accessories as required and duly suspended from the ceiling with MS suspenders and including painting etc. as required.			
a)	150 mm width x 50 mm depth x 1.6 mm thickness	1.00	Metre	
b)	100 mm width x 50 mm depth x 1.6 mm thickness	1.00	Metre	
19	Supplying and laying the PVC insulated & sheathed FRLS Armoured cables of 1.1 K.V. Aluminium Conductor including supplying and making end termination with brass compression glands:			
a)	3 core x 95 Sq mm	1.00	Metre	
b)	3 core x 16 Sq.mm.	1.00	Metre	
	Make:- HAVELLS / FENOLEX / POLYCAB or Equivalent			
20	Supplying and laying the PVC insulated & sheathed FRLS Copper cables of 1.1 K.V. Copper Conductor including supplying and making end termination with brass compression glands:			
a)	2 core x 4 Sq.mm.	1.00	Metre	

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
b)	2 core x 1.5 Sq.mm.	1.00	Metre	
Make:- HAVELLS / FENOLEX / POLYCAB or Equivalent				

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
21	Providing of True Power – Chemical Earthing with TPES Electrode . G.I Electrode Pipe . in strip technology (Electrode) of 3 mtrs.(3000mm) Long and 50mm diameter field with (gel) suitable quantity of conduction content materiel (CCM) of surrounding area of electrode which should be tested and certified. Compound, in order to boost moisture. CPRI Tested, With 50kg BFC compound.	1.00	Set	
	Make:- TRUPOWER or Equivalent			
	TOTAL OF SUB HEAD - I - FIRE FIGHTING PUMPS & EQUIPMENTS			
	SUB HEAD - II - HYDRANT SYSTEM			
	PIPING BELOW GROUND (HYDRANT SYSTEM)			
1	Providing and laying M.S (Class 'C') pipe IS:1239 marked including all accessories such as screwed/welded flanges, tees, reducers etc. conforming to IS standards complete including painting, welding, jointing and neoprene gaskets, nuts, bolts etc. as required.			
	MS (Class 'C') Pipes complete with painting, wrapping and coating of the pipes as per IS:10211 in all kinds of soil at a depth 1.5 m including excavation of PCC, back-filling with soil and PCC of surface all complete.			
a)	150 mm dia	1.00	Metre	
	Make:- TATA/ JINDALor Equivalent			
	PIPING ABOVE GROUND (HYDRANT SYSTEM)			
2	Providing, fixing & jointing by welding heavy quality class - C, MS pipe conforming to IS:1239 including fittings i.e. tees, bends, elbows, unions, reducers, flanges etc. as required including fixing of pipe work on pedestal 600 x 600 x 600 mm each at suitable distance which shall be painted with two coats of enamel paint of fire red shade over a coat of primer.			
a)	150 mm dia	1.00	Metre	
	Make:- TATA/ JINDALor Equivalent			
3	Supply, Installation, Testing and Commissioning of Single Headed External Hydrant Valve oblique pattern with instantaneous Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked, conforming to IS : 5290 (Type A), with 80 mm dia flanged inlet, with ABS cap and chain complete with all accessories etc. as required.	1.00	Each	
	Make:- Lifeguard or Equivalent			
5	Supplying and fixing of 100% synthetic flax canvas Non-percolating FIRE hose (Type A) , I.S.I marked 63mm dia x 15m long with stainless steel male & female couplings (ISI marked) bound & riveted to hose pipes with copper rivets and copper wire as required.	1.00	Each	
	Make:- Lifeguard or Equivalent			
6	Supplying and fixing Stainless Steel branch pipe with 20mm dia nozzle conforming to IS:903. suitable for installation connections to hose coupling etc. as required.	1.00	Each	
	Make:- Lifeguard or Equivalent			
7	Supply, Installation, Testing and Commissioning of 4 way 63 mm instantaneous Fire Brigade Inlet Connection (FBIC) comprising of gunmetal body and gunmetal instantaneous male inlet coupling confirming to IS:904 with plug and cap with chain as required with nuts & bolts and high pressure rubber gasket, suitable for 150 mm dia MS pipe connection etc. complete as required.	1.00	Each	
	Make:- Lifeguard or Equivalent			
Note:- Every Quoted Rate must be for complete work such as SITC ,transportation, taxes, contractor profit etc.				
Contractor/ Quotation		Superintending Engineers		

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
				IGIMS, PATNA

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
QUOTATION PART-(B)				
Name of work : - Supplying and fixing of IV Hanger Overhead Intravenous Track System for ICU Bed at IGIMS, Patna				
Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
1	Providing and Fixing of I.V. 201 System– Overhead Intravenous Track System Including Track, TROLLEY, Hanger & Roof Suspender as per following specification, feature and complete work as direction of Engineer In-charge.			
Technical Specifications				
a	Available in 4 ft. Also available "IV 201 Track Only" in Custom Size Custom IV 201 Hanger - "5 Points (24"/18") in Closed Position Collapsible type with 5 Point Hanger Only high-grade material are used in the manufacturing of components, and the track sections are hygienic Powder-coated aluminium extrusions The IV hanger can be easily adjusted as per your required height by thumb pressure while your hand comfortably rests on handle made to fit the grip of the nursing staff.			
b	This prevents a dangerous and sudden drop The top trolley is specially made assembly, made to make the lateral movement extremely smooth The trolley locks itself on release of hanger to restrict lateral movement IV 201 system has proved highly effective in major installations in Top Healthcare names all over India. Its effective usage in ICUs, Post / Pre-op areas is proved by a vast number of healthcare professional users Five-point telescopic carrier hanger Heavy-duty ceiling mounted track able to withstand up to 5 IV bottle carriers All hooks made in SS 304			
Salient-Features				
	Five-point telescopic carrier hanger All hooks made in SS 304 Collapsible hooks when not in use Telescopic hanger for height adjustment white finish for the Hanger body Wide choice of layout configuration Self-locking wheeled trolleys to restrict lateral movement. Heavy-duty ceiling mounted track able to withstand up to 5 IV bottle carriers Choose between High Quality Aluminium and Stainless Steel in powder coated Single thumb operation for height adjustment that is effortless for the nursing staff Telescopic intravenous carrier hanger to be suspended self locking wheeled trolley mounted within the track sections	1.00	EACH	
Make:- FASTRACK or Equivalent				
Note:- Every Quoted Rate must be for complete work such as SITC ,transportation, taxes, contractor profit etc.				
Contractor/ Quotation		Superintending Engineers IGIMS, PATNA		

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
QUOTATION PART-(C)				
Name of work : - Supplying and fixing of furniture cushioning sheet for attendant bed cushion in Old Pvt. Ward at IGIMS, Patna				
Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
1	Providing and fixing of furniture cushioning sheet treated with Health Fresh technology to preserve hygiene and eliminate bad odour in (32 D) density in size of L 205 cm x W 57.5 cm x T 7.5 cm thickness. Stain, velvet finish with good quality Rexene cover etc all completed as per direction of Engineer In-charge.	1	Each	
Make:-Sleep well primo or Equivalent.				
Note:- Every Quoted Rate must be for complete work such as SITC ,transportation, taxes, contractor profit etc.				
	Contractor/ Quotation			Superintending Engineers
				IGIMS, PATNA

Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
QUOTATION PART-(D)				
Name of work : - Supplying and fixing of G.I metal work false Ceilings Pre coated in Deptt. of Microbiology and Deptt. of Radiology at IGIMS, Patna				
Item No	Description Of Item	Quantity	Unit	Rate In Figure and Word
1	Providing and fixing of G.I Metal open cell grid cell size 100 mm x 100 mm and Grid size 600 mm x 600 mm. In Black Color.	1	sqm	
Make:-Armstrong or Equivalent.				
1	Providing and fixing of G.I Metal plain sheet 0.5 mm Grid size 600 mm x 600 mm. In White Color.	1	sqm	
Make:-Armstrong or Equivalent.				
Note:- Every Quoted Rate must be for complete work such as SITC ,transportation, taxes, contractor profit etc.				
Contractor/ Quotation		Superintending Engineers		
		IGIMS, PATNA		