

**HAFFKINE BIO PHARMACEUTICAL CORPORATION LIMITED****Procurement Cell****(A Government of Maharashtra Undertaking)****Regd. Office : Acharya Donde Marg, Parel, Mumbai 400 012 (INDIA)****Phone No: 022- 24129320-23****Managing Director :022-24150628****General Manager (Procurement Cell) :022-24100478****Website : http://www.vaccinehaffkine.com****E-mail: procurementcell@vaccinehaffkine.com**दि: ३०.१०.२०२३ प्रशासकीय मंजूर निधी ८,९५,००,०००/-
(केंद्र राज्य हिस्सा निधी २०२३-२४) (Qty.- ०१)**No.: 7969 /Haffkine/Procurement Cell/ RT-5126/Turn Key Work for C T Simulator Machine / 2023-24.****Date: 22.05.2024****To,****M/s. Swamini Enterprises & Developers,**

44/3, Vastu-Udyog Colony, Near Bank of Maharashtra,

Pimpri, Pune-411 018

E-Mail: sachin.shitole20@gmail.com

Contact No. 99217 38103

Subject : Work Order for Tender No. RT-5126/Turn Key Work for C T Simulator Machine**Reference: 1. Tender No. RT-5126/HBPCL/PC/Turn Key Work for C T Simulator Machine / 2023-24.****२. शासन निर्णय, क्रमांक - सीएचए -२०२०/प्र.क्र.२१/प्रशा-१ दिनांक : ३० ऑक्टोबर २०२३****3. Sanction of Tender Approval Committee Meeting No. 187 Date : 05.04.2024.**

With reference to the tender cited under reference no 1, you are requested to complete the following work as per details mentioned below to consignee list enclosed with this order.

Sr. No.	Name of the item	Specification of item	Quantity / Unit (DMER)	Unit Rate inclusive of GST(Rs.)	Total Amount Rs.
1	Turn Key Work For C T Simulator Machine	As per Annexure X	01	53,01,410/-	53,01,410/-

Total amount in words: Fifty-Three One Thousand Four Hundred and Ten only**Office/Factory Location: 44/3, Vastu-Udyog Colony, Near Bank of Maharashtra, Pimpri, Pune-411 018****1 Forwarding: Forwarding Free on Road Destination. I.e. door delivery basis.****2 Work Completion Period: 120 days from the date of receipt of work order by the contractor.****3 Risk purchase clause: If the bidder fails to supply the stores within the stipulated delivery period, the order will stand cancelled. Undersigned shall be entitled to purchase such stores from any other source at such price which ordinarily should not be more than 10% of the tender price. The extra expenditure in such cases shall be recovered by Managing Director, Haffkine Bio Pharmaceutical Corporation Ltd. (Procurement Cell), Mumbai from the Supplier.**

- 4 **1. Payment Terms: Milestone Payment**
1. 15% Amount shall be paid after mobilization at site.
 2. 20% Amount shall be paid on base work & load hooks fixing electrical panel delivery
 3. 20% Amount shall be paid on completion of PCC, Plaster Putty. Painting, Flooring, wall tiles, door frames & delivery of HVAC duct & Chiller materials
 4. 20% Amount shall be paid on completion of electrical earthing works, mics. Works like telephone, LAN, fire panels, HVAC Equipement and false ceiling
 5. 15% Amount shall be paid on complrtion of supply of all brought out items, Furniture HVAC fire panels & CCTV
 6. 5% Amount shall be released after completion of all works and site handover.

Retention Money/DLP

- A. 5% retention amount to be deducted from each bill and to be released after defect liability period of 6 months.
 - B. Retention amount can also be released after completion of work against submission of PBG, Bank commission charges if any to be in scope of contractor.
- 5 **Acceptance & Receipt:** It should be submitted in Appropriate Format to the purchasing authority.
- 6 **Delivery Challan** - Should be sent in the name of consignee in duplicate. It should specify Name of Equipment / Mfg. by / packing & quantity.
- 7 **Invoice Copy** - Should be sent in triplicate on the Name of Managing Director, Haffkine Bio Pharmaceutical Corporation Ltd. (Procurement Cell), Mumbai. Along with Bill of Entry and Country of Origin Certificate of the consignment. (if Necessary)
- 8 **Other Terms:**

Warranty: The warranty period shall be for 1 year from the date of project operational.

- 9 **Contract Agreement:** Bidder should submit Contract Agreement on non-judicial stamp paper of requisite value.

Fall Clause

It is a condition of the contract that all through the currency there of the price at which you will the supply stores should not exceed the lowest price charged by you to any customer during the currency of the contract and that in the event of the prices going down below the rate contract prices you shall promptly furnish such information to us to enable to amend the contract rates for subsequent supplies.

- 10 The Bidder should submit (within 7 days) amount of 1.5% i.e. **Rs. 79,521/-** of order value to meet other incidental expenditure and 3% i.e. **Rs.1,59,042/-** as Security Deposit in form of Bank Guarantee. The Bank Guarantee valid for 2 months after the expiry of date of warranty issued by any Nationalized / Scheduled Bank.
- 11 **Penalty on Late Delivery:** The Project execution period will be 90 days from the date of receipt of work order by the contractor. In the event of the form the date late completion of turnkey work the contractor will recover from contractor by way penalty, a sum equal to **half Percent (1/2 %)** price of the work carried out calculated from the next day after the agreed work execution over.
- 12 The measurement book (M.B) should be signed by Dean and PWD engineer. The maintenance of measurement book is responsibility of dean and PWD Engineer, Rules of PWD about quality and reasonability shall apply

Amount to be deposited to Following Account:

Name of Account	Haffkine B P C L (Procurement Cell), CESS Account
Name of the Bank & Branch	Bank of Maharashtra, Branch- Mumbai Parel
Account No.	60381379835
IFSC Code	MAHB0000079

Consignee: As per list enclosed


General Manager

**Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.**

Copy to:

- 1) Commissioner Health Services, Mumbai.
- 2) Director, Medical Education & Research, Mumbai-400 001.
- 3) Account Manager, Haffkine Bio Pharmaceutical Corporation Ltd. (Procurement Cell), Mumbai.
- 4) Office File.

Copy to Consignee: Government Medical College & Cancer Hospital, Aurangabad.: The user Institution should get the Comprehensive Maintenance Contract done with supplier agency @ 5% of the Order value (excluding taxes) of equipment one year after Completion of warranty period.

Copy Submitted to: 1) Secretary, Medical Education & Drug Department, Mantralaya, Mumbai.

Annexure-X

Specification of Turnkey Proposal for C T Simulator Unit (CT Room, Control Console, Module Room)			
Sr.No	Work Description	Qty	Unit
CIVIL Work :			
	DISMANTELING	Qty	
	Anti-termite treatment	80	Sq.m.
	CONCRETE WORK		
	Conc. 1:3:6 in floor	2	Cu.m
	BRICK WORK		
	Brickwork 115 th.	30	Sq.m.
	DOOR & WINDOW WORK		
	Granite door frames	65.00	RM
	Wooden flush doors with 2mm laminate	7.50	Sqm
	Holdfasts	30	nos.
	Hydraulic door closures	6	nos
	Locks & Handles	6	nos
	2mm Lead lined door-laminated	805	Sq.m
	2mm Lead lined beading	6	RM
	Tower bolts	12	Nos
	Door Stoppers	6	Nos
	FLOORING		
	Vitrified tile flooring (60x60cm)	65	Sq.m
	Vitrified tile dado (60x60cm)	210	Sq.m
	FALSE CEILING		
	12mm th. Cement plaster	80	Sq.m
	Distempering with OBD	45	Sq.m
	Architectural Mural in the false ceiling	3	Sq.m.
	FINISHES		
10.	12mm th. Cement plaster	275	Sq.m.
11.	Distempering with OBD	300	Sq.m.
12.	MISCELLANEOUS WORKS		
	Cable Trench	28	Mtr
1.	PVC pipe	28	Mt.
2.	Name plates	5	L.S.
3.	ELECTRICAL WORKS		
4.	LT PANEL 7 DISTRIBUTION BOARDS		
5.	L T Panel with remote control	1	LS
6.	Sub Distribution Boards	2	Nos
7.	Supply, laying in trenches/on trays/ on racks/ on wall structure, testing & commissioning of the PVC insulated flexible copper conductor power cables of the following sizes complete as require including cable marker and end termination with Brass compression gland and copper lugs etc. (Make: CCI/ Gloster)		
	IC x 10 sq mm flexible copper wire and end termination	50	RM
	IC x 70sq mm flexible copper wire and end termination	220	RM
	POINT WIRING		
	Light point 5Amp	20	Nos
	Dimmer controlled light points	1	Nos
	Power points 15Amp	35	Nos
	Power point 32Amp	3	Nos

	Power point 63Amp for AC	2	Nos
	LIGHT FIXTURES		
	40W Ceiling mounted LED lights 600x600	20	Nos
	Emergency light	3	Nos
	Radiation Lights	2	Nos
	Broadband connection	1	LS
	EPBAX System		
	Inter-room communicating system connecting the Reception counter with order cabins of the MRI complex. 24 lines with 3 incoming- EPBAX	1.00	Nos
	Telephone Instruments	4.00	Nos
	Telephone Points RJ 11	4.00	Nos
	Supply & Laying of 10 Pair telephone Cable, PVC insulated, Make Delton / Finolex	100.00	Nos
	Networking		
	Providing RJ 45 Connector and Crimping at the respective points (D link)	14.00	Nos
	Supply & laying of Cat-6 computer cable	150.00	Mtr
	Lan 24 Port Switch (10/100/1000 Gigabite- Dink)	16.00	Nos
	9U server rack for switch	1.00	Nos
	Cat6 Patch Cords- 3 Feet	14.00	Nos
	FIRE DETECTION & FIGHTING		
	Conduit & cabling	100	mt.
	Break glass unit	1	Nos.
	Smoke detector	8	Nos.
	Heat detector	1	Nos.
	Hooter	1	Nos.
	FIRE DETECTION & FIGHTING		
	Conduit & cabling	100	mt.
	Break glass unit	1	Nos.
	Smoke detector	8	Nos.
	Heat detector	1	Nos.
	Hooter	1	Nos.
	Response indicator	1	Nos.
	PVC insulated copper cable		
	4x1.5 sq.mm.	100	m.
	Fire panel	1	Nos.
	Fire Extinguisher ABC Type 2KG	3	Nos.
	EARTHING		
	Earthing pit- copper	3	Nos.
	Copper cabling	50	m.
	AIR CONDITIONING WORKS		
A	conditioning units (IDUs & ODU's). The unit shall be complete with ductable fan coil unit and external unit condensigand inbuilt stabilizer,cooling thermostat complete in all respects. The Refrigerant shall be R410A efficiency of split AC shall be as per ASHRAE 90.0-2016. The unit capacities shall be as follows.		
✓	8.5 TR- (R-410 GAS):	2.00	Nos.
✓	High Wall SPLIT AC-5 STAR RATED- 2.0	2.00	Nos
	Lower side HVAC job		
B	SUPPLY & INSTALLATION		

	Supply, installations, testing, & Commissioning of communications kit with temperature sensor communications wire with wired remote controller & all accessories, equipment to complete the programming etc.		
B1	Installations, testing, & Commissioning of Ductable Unit		
✓	8.5 TR- (R-410 GAS):	2.00	Nos
B2	Gas Charging of Ductable split unit (R-410 GAS)	22.00	Kg
B3	Supply, Installations, testing, gas charging & Commissioning of High wall Split AC		
✓	High Wall SPLIT AC-5 STAR RATED-2.0 TR	2.00	Nos
C	REFRIGERENT PIPE		
C1	DUCTABLE SPLIT		
	For 8.5 Tr Ductable AC 12.7 mm dia (with 13 mm thick nitrile rubber insulation) in Supply & 28.6 mm dia (with 19 mm thick nitrile rubber insulation) in Return,	40.00	Rmt
C2	SPLIT UNIT		
✓	Supply, Installation and Commissioning of Refrigerant piping for 2.0 Tr Condensing Units with 9 mm insulation for supply line & Return line	30.00	Rmt
D	Electrical Power Cabling		
	Providing and fixing Shielded Control cabling (copper) between indoor, outdoor, remote controller as per specifications. Shielded control wiring shall run in 25mm Heavy Duty Conduit.		
	Flexible Cu Cable (4C X 6 Sq.mm) for Ductable AND HEATER Units.	20.00	Rmt
	Flexible Wire (4C X 2.5 Sq.mm) run in flexible / Rigid PVC Conduit for High wall Split AND DUCTABLE Units	30.00	Rmt
E	CONTROL COMMUNICATION CABLING (Indoor to Outdoor unit)		
✓	For 8.5 Tr Ductable AC	45.00	Rmt
✓	For High Wall Split AC	60.00	Rmt
F	AUTO FUNCTIONAL TIMER		
✓	Supply installation of Timer into ductable unit: 2 phase	1.00	Nos
G	DRAIN PIPE		
	Providing and fixing rigid UPVC piping complete with fittings, supports and connected to nearest floor trap as per specifications and duly insulated with 6 mm thick closed cell insulation.		
✓	32 mm dia pipes (10kg/cm sq.)	20.00	RM
✓	25 mm dia pipes (10 kg/cm sq.)	40.00	RM
✓	GI Drain Tray with insulation for Ductable Indoor Units.	2.00	Nos.
H	HUMIDITY CONTROLLER		
	Dehumidifier Panel		
✓	Supply, installation, testing and commissioning of free floor/wall mounted compartmentalized thermostat based panel with heating arrangement, humidistat, PLC based system/Timer automatic changeover of heater Cut off/ON range should be in between 45-55% of RH with humidity & temperature sensor should be installed at return supply and air flow sensor installed in plenum with separate controller to switch off the heater in case the range of Temperature cross 26/27 Degree. (Make Honeywell or equivalent)	1.00	No.
✓	Providing and fixing strip heater to be installed in plenum in three banks consisting of 12 KW strip heater with individual control and interlock with blower to be used for reheating in monsoon and winter heating.	1.00	Set
I	AIR DISTRIBUTION		

I1	Duct Work		
	Supply, installation and testing of Factory fabricated GI sheet metal ducts as per SMACNA in accordance with the approved shop drawings. (120gm/zinc coating). Duct work included GI supports, GI flanges fully threaded GI rods, GI nuts and bolts, vanes, splitters etc. (RECTANGULAR DUCT)		
	Maximum Duct size		
√	24 SWG GI Sheet	48.00	Sqm.
	22 SWG GI Sheet for S/A Plenum	15.00	Sqm.
I2	Flexible Canvass Connection		
	Supply, installation, testing and balancing constructed of fire resistant double resin sleeve as per the approved shop drawings.	2.00	Nos.
I3	Diffuser/Diffuser with VCD/Grill		
	Supply, installation, testing and balancing of Powder coated extruded aluminium/GI construction, Square/round shape air diffusers with removable core & antismudge ring.		
√	Powder coated aluminium supply air diffusers without volume control dampers.	2.00	Sqm.
√	Powder coated aluminium supply air diffusers without volume control dampers.	2.00	Sqm.
√	Supply & Installation of Gravity Damper (non-return damper)	2.00	Sqm.
√	Volume Control Damper		
	Supplying & fixing of opposed blade volume control dampers in supply air duct collars as per approved drawings. Damper shall be with 1'8G GSS body and blades shall be with aluminium air foil construction.	2.00	Sqm.
J	INSULATION		
√	Acoustic Insulation		
	Supply, installation testing and commissioning of acoustic insulation. Material shall be duct coustic lining material shall be Nitrile Rubber open cell foam. Density of the nitrile should pass Fungi Resistance as per ASTM G 21 and Bacterial Resistance as per ASTM E 2180 and all accessories.		
	10 mm thick Nitrile Rubber acoustic insulation	20.00	
√	Thermal insulation		
	Supply and installation of Thermal insulation material for		
	Duet insulation shall be closed cell Elastomeric Nitrile Rubber or cross linked polyethylene rubber, with Self-adhesive backing on ducts.		
	13 mm thick nitrile rubber insulation for supply duct	60.00	Sqm.
K	Outdoor M S STAND		
➤	8.5 TR	2.00	Nos.
➤	2.0 TR	3.00	Nos.
L	M.S.Cage		
➤	8.5 TR	2.00	Nos.
➤	2.0 TR	3.00	Nos.
	Grand Total (Low side)		
	FURNITURE		
➤	Medium Back Swinging chairs (Godrej or equivalent)	9	no
➤	Wall-mounted storage cupboards (1800 X 500 X 1200) mm	2	no
➤	Open Rack (500 X 300 X 1000)mm	2	no
➤	Wall mounted storage cupboard with MDF laminate shutters (approx.	6	no

	1800 mm length; 750 mm height; 300 mm depth) for console.		
➤	Shoes Rack (500 X 300 X 1000) mm	1	no
➤	Workstation Table (1200 mm Length)	4	no.
➤	Soft Boards	2	Nos.
	Gas Manifold Works		
➤	Should confirm to international standards (NFPA / HTM / EU). Gas line with shut off valves, safety valves, monitors and alarms with termination in MR compatible quick connectors to be provided at the walls. Flow meters and regulators also should be MR compatible. Gas Piping works for Gas Manifold System- 40m.	1	LS

Consignee Details

M/s. Swamini Enterprises & Developers		
Turn Key Work For C T Simulator Machine		
Delivery Period	120 Days from the date of receipt order	
PO Ref. No.	No.: 7969 /Haffkine/Procurement Cell/RT-5126/ Turn Key Work for C T Simulator Machine /2023-24. Dtc: 22.05.2024.	
	दि: ३३.१०.२०२३ प्रशासकीय मंजूर निधी ८,९५,००,०००/- (केंद्र राज्य हिस्सा निधी २०२३-२४) (Qty.-०१)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	Government Medical College & Cancer Hospital, Aurangabad.	01
	Total	01


General Manager

Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.