



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

No.: 7298 /Haffkine /Procurement Cell/E-2385/ 3 Tesla
M.R.I Machine with Turn Key /2022-23

Date : 25-07-2022

To,

M/s. Philips India Ltd.,

Unit No. 402, 4th Floor, B Wing,

Times Square, Sakinaka, AK Road,

Andheri East, Mumbai – 400072.

Contact No.: 9920290677.

E-Mail: santosh.mhatre@philips.com

Sub: Amendment in Order for 3 Tesla M.R.I Machine with Turn Key

Ref: 1. OrderNo.6877/Haffkine/Procurement Cell/E-2385/3 Tesla M.R.I Machine with
Turn Key/2022-23. Dated 13.06.2022.

With reference to page number 2 following change is made in referred order.

| Sr. No. | Pg. No. | As per Supply Order. | Read as |
|---------|---------|--|---|
| 1 | | 1) The Detail BOQ of Turn key & Site Layout | 1) As per the Corrigendum given for the detail BOQ of Turn key & site Layout |
| | 2 | 2) Payment Terms: Payment of 100% of the contract value will be made within 8 weeks on delivery and successful installation and satisfactory commissioning and operation of the machinery. | 2) Payment:- Payment of 80% of the Contract value will be made after delivery of the material at site & on receipt of Acceptance Certificate and 20% after successful installation and satisfactory commissioning and operation of the machinery. |

All other terms & conditions will remain same.

मा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

Dr. Sadanand Bhise
General Manager

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

Copy to: 1) Dean, Government Medical College & Hospital, Chandrapur.
2) System Integrator

**Corrigendum regarding detail BOQ & Site layout and Payment Term, for
E-2385 3 Tesla MRI Machine with Turn Key.**

The detail BOQ of Turn Key and site layout is attached herewith.

| | |
|----|--|
| | SITE MODIFICATION WORK |
| a. | The system should be installed and handed over in working condition with all necessary electrical, air conditioning and civil work undertaken by the vendor. |
| b. | All necessary interconnecting interfaces, cable, modules, and other hardware and software to fully integrate the system for full operational status. |
| | The Site-Modification Scope of Work-MRI |
| | The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-Conditioning, Fire Fighting and miscellaneous works for the construction of MRI Scan Centre. While preparing the plan, the following aspects have to be addressed. |
| a. | The MRI should be sited in such a manner, in order to minimize the effect of fringe magnetic field on surrounding areas. The areas lying within 5 Gauss line should be clearly demarcated and cordoned off with adequate warning. |
| b. | Care should be taken to provide easy negotiation of the patient stretchers/trolleys through corridors and doors. |
| c. | RF shielding for doors, walls, glass viewer etc. |
| d. | Furniture like desk, chairs, shelves etc. |
| e. | Patient stretcher and other furniture/accessory to make the scan centre |
| | |
| | The cost of Site Modification Work for the area (as per drawing) and sufficient Air-conditioning will be(as per drawing) considered for Ranking/Evaluation purpose |
| | |
| | Moreover Bidders will have to quote the Unit Rates of the following components of site Modification Work and detailed BOQ should be mentioned. |
| a. | Civil works (in units like sq. m / cubic m, kg etc.) |
| b. | Electrical work (in unit like per metre price, unit price for panel, isolation etc.) |
| c. | Public health (plumbing and sanitary fittings like per metre of pipe, number of points etc.) |
| d. | Air conditioning (HVAC)-rate of tonnage, type of false ceiling and sq. m rate etc. |
| e. | Interior Furnishing & Furniture |
| f. | Miscellaneous |
| | |
| | Scope of work for Site Modification MRI unit works:- |
| | |
| | The MRI SCAN CENTRE shall consist of the following rooms: |
| a. | MRI scan room |
| b. | Equipment room |
| c. | UPS Room |
| | |
| | The actual area of site Modification works done will be considered for payment, based on the unit rates and site measurements |
| | Civil work: |
| a. | Flooring as per the approved plan and equipment layout plan. |
| b. | Concrete bed at MRI equipment area. |

| | |
|----|---|
| c | Platform for unloading and shifting the MRI should be provided if necessary. |
| d | Platform for Chiller unit would be provided. Fencing and weather protection facility should be provided for the Chiller unit |
| e | Cable tray, trench & channel necessary trenches, cable tray and channels at required location would be provided. |
| F | All the construction work to be done as per the final plan approved by the purchaser. |
| G | Active and passive room shielding for magnetic, fringe field should be provided as per the requirement of the equipment. |
| H | The entire complex will be made rodent/pest proof. |
| | |
| a) | Flooring |
| | Added Para: Anti static Vinyl flooring within the Magnet room |
| | Providing and laying approved quality, colour, design and shade fully homogeneous 600 x 600 mm (thickness to be specified by the manufacturer) vitrified tile flooring (Marbonite or Granitite, conforming to IS code 15622 with water absorption less than 0.08%) flooring in pattern as detailed in drawing or as directed by the Engineer In Charge (EIC) and grouted with matching colour approved quality readymade grout, curing, cleaning etc to required line level etc. all complete at all leads, lifts and heights to the entire satisfaction of the EIC. Providing and fixing 2-3mm thick POP protection over polythene covering sheet to flooring areas till handed over and cleaning, etc all complete as per drawings & specification and as directed by EIC with 100mm tile skirting to match in MRI equipment room, console room, UPS room. Note: Mode of measurement (Finished surface area of the tiles shall be measured and paid. Rate shall be inclusive of providing and laying levelling course, PVC spacers, providing and applying epoxy grout and no additional payment shall be made for wastages). |
| | 50 mm thick cement concrete flooring at all heights and locations including scaffolding, preparing the surfaces, neat cement finished to correct line or as required to receive architectural finish, level and plumbing, curing wherever required complete as per requirements and drawings, with Vinyl flooring in MRI equipment/UPS room. |
| b) | Painting |
| | Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in MRI equipment room. Pre laminated particleboard wall panelling in MRI equipment room, Console room, UPS Room. |
| c) | False Ceiling |
| | Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. Finished with White paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances. |
| d) | Plumbing work |
| | I. All water pipes and fittings shall be of high density polythene of approved and standard make. The gratings shall be brass chrome plated. All plumbing accessories should be of standard make. |
| | II. Copper pipes to be used for plumbing the Chiller to the MRI |
| | Note: |
| 1 | All sanitary wares & CP brass fitting & fixtures shall be of first quality with ISI mark (unless otherwise specified) and shall be of the make as per the latest approved list of materials as per list of approved make/model, if any. They shall be got approved by the Engineer-in-charge before incorporating in the work |
| | All the items include testing after completion of the work. Concealed/underground |

| | |
|----|---|
| 2 | GI pipe line is to be wrapped with hessian cloth and painted with two coats of Anti corrosive paint. Disposing off: The surplus excavated materials by mechanical transport lead up to 2KM to the nearby dumping pits/dumping areas within institute campus identified by Engineer in charge, including all lifts, loading, unloading, stacking etc. complete as per specifications & as directed by the EIC. |
| e) | Electric work |
| | The supplier shall be required to specify the total load requirements for the MRI scan centre including the load of air conditioning , room lighting and for the accessories if any. The supply line will be provided by the Institute up to one point within the MRI equipment room, Console room, UPS room. The distribution panel shall be provided by the vendor. The electrical work shall include the following |
| | a. Wiring – All interior electrical wiring- with main distribution panel board, necessary MCBs, DB, joint box, switch box etc. the wires shall be of copper of different capacity as per the load and should be renowned make as listed below. |
| | b. Switches light and power points should be of modular type and of standard make as listed below. |
| | c. General lights – LED light fittings with 500 Lux Illumination |
| | d. MRI compatible lights for MRI equipment room. The bulbs used within the RF cage should be easy replaceable and locally available. |
| | e. All wires used must be FRLS (Fire Retardant with low smoke) type only |
| f) | AIR CONDITIONING: |
| | i. Ductable split air conditioners and split AC units may be used according to room requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface. |
| | ii. The outdoor units of AC should have grill coverings to prevent theft and damage. |
| | iii. Ventilation is required in toilet. |
| g) | Environment specifications: |
| | i. Relative Humidity range: To be maintained between 60% and 80% in all areas except equipment room which shall be as per requirement of the equipment. |
| | ii. Temperature ranges: $22 \pm 2^{\circ}$ C in all areas except equipment room which shall be as per requirement of the equipment. |
| | iii. Air conditioning load: The heat load calculations and maintaining the desired temperature and humidity shall be the responsibility of the bidder |
| h) | Furniture: |
| | i. Executive high-back,height adjustable revolving chairs with hand-rest and leather cushions – 3 NO.S |
| | ii. Executive medium-back, height adjustable revolving chairs with hand-rest and leather cushions - 15 NO.S |
| | iii. Cupboard with laminate door shutters for storage of spare parts and accessories and records as per requirement 3'X7'X2'.. – 3 NO.S |
| | iv. Drug trolleys for patient preparation area.- 2 NO. |
| | v. MRI compatible Patient trolley with rubber foam mattress to be kept in the patient preparation room-2 No S |
| | vi. Tables for Workstation nodes- 3 NO.S |
| | vii. Console room table |
| | viii. Changing rooms should have change lockers and dressing table. |
| | ix. Dustbins (plastic with lid) ; 10 no.s. |
| | x. All the rooms in the complex will be signposted. Sun film& ventilation blinds |

| | |
|--------------|---|
| | 7 curtain will be put up in all windows. |
| | All furniture items should be of standard make as mentioned in the table below. |
| (i) | Miscellaneous: |
| | 1 Reporting room should have planilux LED X-ray Film viewer with adjustable brightness; capable of holding 4 films of 14"x17" size. – 2 no.s and viewer with adjustable brightness; capable of holding 2 films of 14"x17" size. – 2 no.s |
| | 2 Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc |
| | 3 Broadband connection: for REMOTE SERVICE of MRI system. |
| | 4 Dry chemical power type fire extinguisher of 5kgs capacity, with initial filling in brand new cylinder with power coated finish, fitted with Gun metal union, high pressure CO2 gas cartridge, discharge hose, wall mounting bracket etc. complete, confirming t IS:2171 of approved make & complete as directed by EIC. |
| | 5 LED TV 46" along with dish connection for Waiting Hall (2year subscription) |
| | 6. Audio Music systems for patient waiting areas. |
| | 7. Music and Public Address system for calling/informing the patients in waiting areas. |
| | 8 CCTV:- All the Rooms(Console Room, patient preparation Room, sister room, Technician Room, Seminar Room, Waiting Hall, Radiologist Room, Reporting Room, (10 No Cameras) |
| | LIST OF ITEMS AND SUGGESTED MANUFACTURERS. |
| SL NO | ITEMS PREFERRED MAKES |
| A | FLOORING VITRIFIED TILES -Somany, Kajaria , H&R Johnson, RAK india |
| B | PAINT - Dulux, Asian Paints , Nerolac |
| C | PLUMBING - Kohler, Jaguar , Grohe , Roca |
| D | SANITARY ITEMS - CERA, Hindware, Parryware |
| E | ELECTRICAL |
| 1 | CABLES - Finolex, Havells ,V-Guard |
| 2 | SWITCHES - Legrand, L&T, Crabtree , Roma |
| 3 | DISTRIBUTION BOX , MCB - Legrand, L&T, Siemens, Havels |
| 4 | LIGHT FITTINGS - Philips / Crompton / Wipro/Syska |
| F | AIR CONDINTIONING - Daikin, Hitachi, Blue Star, Voltas, |
| G | FURNITURE - Hermen Miller , Godrej , Featherlite, Geeken |
| | |
| 1. | Any of the Civil and Electrical work for installation of MRI (turnkey work) varies according to the requirement of the MRI models as per guideline of different manufacturer. |
| 2. | Based on the installation & commissioning requirement bidders have to calculate the estimate of various civil, electrical & other services work depending upon the area demarcated for the installation of MRI- model of the manufacturer. |
| 3. | Space planning for the installation of MRI is done on the ground floor in the ongoing construction. Area enclosed by ABCDEF demarcated in the drawing along with dimension of specific room is enclosed for bidders review. |
| 4. | Bidders is to evaluate the Construction related requirement of Area designated for the installation of MRI machine and services requirement after reviewing the area demarcated in the drawing and accordingly bidders has to quote the rate during tendering stage after analyzing the requirement of items and quote for unit prices against each items which suits and satisfy the user requirement. |

The payment term is revised as follows.

COMMERCIAL-Bid (PART-II)

20. Payment: - Payment of 80% of the contract value will be made after delivery of the material at site & on receipt of acceptance certificate and 20% after successful installation and satisfactory commissioning and operation of the machinery.

The revised schedule for the Tender is as follows.

Corrigendum II

| Sr. No. | Tender No. | Name of Tender Item. | Period of sale & preparation of bid | Date of Bid Submission | Date of Bid Closing | Bid Opening |
|---------|------------|-----------------------------------|--|--|-----------------------------|-----------------------------|
| 1 | E-2385 | 3Tesla MRI Machine with Turn Key. | From 07.03.2020 10.00 am to 21.09.2020 up to 14:00 hrs. | From 07.03.2020 10.00 am to 21.09.2020 up to 14:00 hrs. | 21.09.2020 at 14:00 hrs. | 23.09.2020 at 14:00 hrs. |



**Dr. Sadanand Bhise
Manager Equipment.**

Haffkine Bio-Pharmaceuticals Corporation Ltd., Mumbai.