

**MINISTRY OF HEALTH & QUALITY OF LIFE  
GOVT. OF MAURITIUS**

**Tender**

**For**

Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius

**Volume-I**

**Prequalification Document**

**September'2019**



**HSCC (INDIA) LTD.**

(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)  
E-6(A), sector-1, NOIDA(U.P) 201301 (India)

Phone: 0120-2542436-40

Fax : 0120-2542447

**PQ Tender No. HSCC/Mauritius/Cancer Hospital/Fur/2019**

**HSCC**

**A Miniratna Co.**

**REPUBLIC OF MAURITIUS  
MINISTRY OF HEALTH & QUALITY OF LIFE**

**NOTICE INVITING e-TENDER**

NIT No. HSCC/Mauritius/Cancer Hospital/Fur/2019

Dated:26.09.2019

Ministry of Health & Quality of Life, Republic of Mauritius invites online item rate bid through HSCC (India) Ltd. from eligible contractors/firms for the works: **"Supply, Installation, testing & Commissioning of furniture work and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius"** Estimated project cost: MUR. 14 Million Completion period : 03 Months. Tender available online from 30/09/2019 and Last date to fill/upload the tender through e-Tendering : 15/10/2019 at 15:00 hrs.

For submission & other tender details, please refer detailed NIT on e-tender portal <http://www.tenderwizard.com/HSCC> and Republic of Mauritius website [www.health.govmu.org](http://www.health.govmu.org) and [publicprocurement.govmu.org](http://publicprocurement.govmu.org).

Prospective bidders are advised to regularly scan through HSCC e-tender portal <http://www.tenderwizard.com/HSCC> and <http://www.hscltd.co.in> as corrigendum/amendments etc., if any, will be notified on these websites only and separate advertisement will not be made for this.

**Sr. Mgr. (C)  
HSCC India Limited**

**REPUBLIC OF MAURITIUS**  
**MINISTRY OF HEALTH & QUALITY OF LIFE**

**NOTICE INVITING e-TENDER**

HSCC/Mauritius/Cancer Hospital/Fur/2019

Dated: 26.09.2019

Ministry of Health & Quality of Life, Republic of Mauritius invites online item rate bid through HSCC (India) Ltd. from eligible contractors/firms for the following works:

Name & Description of work	Estimated cost (in Mauritian Rs)	Tender available online and Last date to fill/upload the tender through e-Tendering.	Bid Security amount (in Mauritian Rs.)
Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius	14 Million	From 30/09/2019 to 15/10/2019 upto 15:00 hrs and opening on 15/10/2019 at 15:30 hrs.	2.80 Lakhs or 0.28 Million

The bidder would be required to register at HSCC e-tender portal <http://www.tenderwizard.com/HSCC>. For submission of the bids; the bidder is required to have Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities. The bidders are required to submit (a) Original nonrefundable Demand Draft of INR 10,000/- (Indian National Rs. Ten Thousand only) or Rs. 5128/- (**Mauritian Rs. Five thousand one hundred twenty eight only**) as cost of bid, in favour of "HSCC (India) Limited", payable at Noida/New Delhi (b) Original bid security in approved form Vol.I of Tender with the office of Chief General Manager (PG-II), HSCC (India) Limited before date and time fixed for opening of bid either by registered post or by hand failing which the bid will be declared non-responsive.

The documents to be uploaded online are listed at **Annexure VI**

The complete set of Tender Documents comprising four Volumes I, II, III, IV & V has been made available at e-tender portal <http://www.tenderwizard.com/HSCC>.

The interested applicant contractors/firms may like to attend the pre bid meeting which will be held at 1500 hrs at Corporate Office of HSCC (India) Limited, E-6(A), Sector 1, Noida on 09.10.2019.

HSCC/ Ministry of Health & Quality of Life, Republic of Mauritius reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.

Prospective bidders are advised to regularly scan through HSCC e-tender portal <http://www.tenderwizard.com/HSCC> and <http://www.hsccltd.co.in> as corrigendum/amendments etc., if any, will be notified on this portal only and separate advertisement will not be made for this.

**Sr. Mgr. (C)**  
**HSCC (India) Limited**

## **INSTRUCTION TO APPLICANTS**

**PROJECT NAME:** Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius

**Completion period:** 03 calendar months from the date of commencement order.

**EMPLOYER/CLIENT:** Cancer Hospital at Solferino, Vacoas, Mauritius.

1. Scope of Bid :

1.1 For & on behalf of Deputy Permanent Secretary, Cancer Hospital at Solferino, Vacoas, Mauritius (The Employer/Client), HSCC (I) Ltd (The Consultant) intends to invite bids from eligible contractors/ firms for above works details as under

1.2 Brief Details :

Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius

**Above works to be executed for** Cancer Hospital at Solferino, Vacoas, Mauritius e-Tender is open to all agencies / firms having sound background and Specialisation in carrying out similar works.

### **2.0 SUBMISSION OF APPLICATION:**

2.1 Application for tender must be submitted complete in all respect in sealed envelopes which must be either delivered by hand or by registered mail, at Sr. CGM-II,. HSCC (India) Ltd, Plot No. 6(A), Block-E, Sector-1, NOIDA, U.P.-201301, so as to reach not later than designated date & time and be clearly marked "Application for tender for " Supply, Installation, testing & Commissioning of furniture work and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius **And/or**

2.2 The name and mailing address of the Applicant should be clearly marked on the envelope.

2.3 All the information asked for pre-qualification and bids shall be answered in the ENGLISH language by all the agencies/firms.

- 2.4 Failure to provide information in the stipulated format enclosed or to provide timely clarification or substantiation of the information supplied (considered essential to evaluate the Applicant's qualification) shall result in disqualification of the Applicant.

### 3.0 MINIMUM PRE-QUALIFICATION CRITERIA:

- 3.1 Pre-Qualification will be based on meeting all the minimum criteria for pre-qualification and other qualification criteria regarding the Applicant's work experience, personnel and equipment capabilities and financial position as demonstrated by the Applicant's responses in the forms attached to the Letter of Application. Experience should be in the name of the bidding company and not in subsidiary/ associate company/ Group Company etc.
- 3.2 The Applicant should meet the following minimum criteria for Pre-Qualification :
- (i) Average Annual Financial Turnover during the last three financial years i.e. 2015-16, 2016-17 & 2017-18 should be at least 100% of the estimated cost.
  - (ii) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following. The works completed up to previous day of last date of submission of tenders shall also be considered :

Three\*similar completed works costing not less than the amount equal to 40% of the estimated cost.

or

Two\*similar completed works costing not less than the amount equal to 60% of the estimated cost.

or

One\*similar completed work costing not less than the amount equal to 80% of the estimated cost.

AND

Bidders (Manufacturers) or his authorized dealer must have executed any kind of furniture work in African countries including Mauritius or in Middle East countries costing not less than the amount equal to 40% of the estimated cost ( proof of authorized dealer to be submitted by the manufacturer)

\* Similar works means:

Supply & Installation of office/Hospital furniture works.

Separate work order & completion certificate for above to be submitted with all supporting document(s).

Certificate issued from client for **completion of work(s) against single work order** to be submitted along with application. Own works/ management/own Certification of the agencies shall not be considered for prequalification.

The value of executed works shall be brought to current costing level by enhancing the value of work at a simple rate of 7 % per annum, calculated from the date of completion to last date of receipt of application for Prequalification.

3.3 Agency/bidders must have their own manufacturing unit since 05 years with following facilities, own machineries including ownership proof along with affidavit and installed machinery photograph to be submitted (lease hold/rented manufacturing unit and machineries shall not be considered):

- ISO- 9001-2008
- ISO- 14001-2004
- OHSAS- 18001
- BIFMA e3 Membership/compliance Certificate.
- GREENGUARD/IGBC Membership Certificate.
- Factory act license.
- PF registration.

3.4 The firm should submit an affidavit duly notarized that they have not abandoned any work of Union Government/ State Governments/ PSU's etc. during the last 5 years. They should also submit an affidavit that they have not been blacklisted, debarred, declared non performer or expelled by Union Government/ State Governments/ PSU's etc. during the last 5 years .

3.5 The applicant should provide information regarding litigation/ Arbitration cases for the last five years as per ANNEXURE-V

3.6 Financial Capabilities: The Applicant should submit Audited Balance Sheets for the last three financial years i.e. 2015-16, 2016-17 & 2017-18. The applicant should not have incurred any loss in more than two years during the last five years ending 31<sup>st</sup> March 2018 ( profit after tax should be positive) (Fill enclosed ANNEXURE-III).

**3.7 Minimum Solvency Requirement:**

A solvency certificate from applicant's Bank (Nationalized/Scheduled) that applicant is solvent for 40% of the Project Estimated Cost. The certificate should not be more than one year old from the date of submission of bid.

**3.8 Bidders/manufacturers are required to submit the catalogue showing images of respective items with specifications of the items as mentioned in the BOQ.**

**4.0 PERSONNEL, EQUIPMENT AND FINANCIAL CAPABILITIES**

- 4.1 **Personnel Capabilities:** The firm should have suitable qualified and experienced personnel for the successful completion of the works. List of employees and bio-data of key officials shall be submitted stating clearly how these would be involved in this work. ( Fill enclosed ANNEXURE-I).
- 4.2 **Equipment Capabilities:** The Applicant should submit the list of equipments for successful completion of project. (Fill enclosed ANNEXURE-II)

**5.0 EXPERIENCE OF EXECUTING OF PROJECTS OF SIMILAR NATURE & COMPLEXITY**

The applicant shall submit information about their past experience of **projects** of similar nature and complexity with information about magnitude of the Projects, Type of Projects, Completion Certificate from Client, Time Overrun if any, Cost overrun if any , ( Fill enclosed ANNEXURE-IV). Client/Consultant reserves the right to verify all credentials submitted by tenderer. Site visits and/or factory visit will be done if required

**6.0 OTHER INFORMATION TO BE SUBMITTED ALONGWITH APPLICATION**

- 6.1 Registration/ Licence : The firm should have Works Contract Tax/VAT/GST Registration with the appropriate Authorities In case the firm is not registered at the time of submission of bid, they will get themselves registered with the concerned authorities in case they are awarded the work
- 6.2 The applicant shall submit the supporting documents regarding the information given in the ANNEXURE-I to ANNEXURE-VII
- 6.3 The contractor will indemnify HSCC/Cancer Hospital at Solferino, Vacoas, Mauritius /Principle employer/client, as the case may be, against all penal action that may be levied/effected by any concerned authority for default in any labour regulation/PF/ESI and other statutory requirements of the relevant Acts/Laws related to the work of the contractor and will bear the legal charges, if any, and will pay the legal charges/dues directly to the concerned authority

**7.0 Even though the Applicants meet the above criteria, they are subject to be disqualified, if they have:**

- made misleading or false representation in the form, statement and attachments submitted; /or
- Record of poor performance such as Poor progress of work, abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.

- The performance of any agency already worked/ working with HSCC is not found satisfactory./or
- found to have been black listed in any of the works.

**8.0** The applicants are advised to visit the site to get first hand information as regards its approach, accessibility, working conditions, site conditions, availability of labour and material etc. and other matters affecting cost and work. All costs incurred in connection with submission of the pre-qualification application shall be borne by the applicant irrespective of the outcome.

**9.0** If any information furnished by the applicant is found incorrect at a later stage, applicant shall be liable to be debarred from tendering in HSCC. The department reserves the right to verify the particulars furnished by the applicant independently.

**10.0** The competent authority to pre-qualify shall have the power to relax any condition/criterion for pre-qualification if it considers expedient to do so.

**11.0** Even though the agency meets all the criteria, the Employer / Consultant reserves the right to accept or reject any applicant/disqualify any agency without assigning any reason whatsoever.

## **12.0 UPDATING QUALIFICATION INFORMATION**

12.1 Applicants shall be required to update the financial information used for Pre-Qualification as and when asked for and at the time of submitting their bids, to confirm their continued compliance with the pre-qualification criteria and verification of information provided.

## **13.0 GENERAL**

13.1 Only agencies/firms who have been pre-qualified under this procedure will be considered for further opening of bid. Firm may submit only one bid for any work. If a firm submitting more than one bid all bids of the firms/party/agency/supplier will be rejected.

13.2 The Employer/Consultant reserves the right to :

- (a) Reject or accept any application without assigning any reason or incurring any liability thereof
- (b) Cancel the tendering process and reject all applications
- (c) Split the works into different packages if required
- (d) Amend the scope and value of any contract under this project.

13.3 Joint venture companies or experience of any work done in joint venture shall not be considered.



- 13.4 No correspondence either from successful/pre-qualified applicant or unsuccessful Applicant will be entertained in this regard.
- 13.5 Check list format attached at Annexure VI must be filled and enclosed along with the application.
- 13.6 The bidder whose bids are found in order and substantially responsive as per minimum prequalification criteria, may be called for a presentation and/or set up samples (one each) of any/all of such items of furniture may be supplied and installed for approval, if required.

**14.0 Technical Evaluation**

The bidders qualifying the initial criteria as set out in Clause 3.0 above will be evaluated for following criteria by scoring method on the basis of details furnished by them.

- (a) Financial strength (Annexure-III & Maximum 20 marks  
Annexure-III A attached below)
- (b) Experience in similar nature of work Maximum 20 marks  
during last seven years (Annexure-IV)
- (c) Performance on works (Annexure-VII) – Maximum 20 marks  
Time over run
- (d) Performance on works (Annexure-VII) – Maximum 40 marks  
Quality

**Total 100 marks**

To become eligible for short listing, the bidder must secure at least 50% marks in each attribute and minimum 60% marks in aggregate.

- 14.1 The financial Bid of only those Bidders who are technically qualified shall be opened.
- 14.2 The financial Bids of Bidders whose technical Bids are found unacceptable shall be not be opened
- 14.3 HSCC shall notify all the technically qualified Bidders of their technical qualification indicating the date, time and venue for opening of financial Bids.

Sr. CGM (PG-II)  
**For & on behalf of HSCC (I) Ltd.**

## LETTER OF APPLICATION

[NOTE: On the letterhead paper of the applicant including full postal address, telephone no., fax no., telex no. and cable address]

Date: \_\_\_\_\_

HSCC(I) Ltd.  
Plot No. 6(A), Block(E), Sector-I  
NOIDA, U.P.-201301

Sir,

1. Being duly authorised to represent and act on behalf of ..... (hereinafter referred to as "the Applicant") and having reviewed and fully understood all the pre-qualification information provided, the undersigned hereby apply to be pre-qualified by yourselves as a bidder for the

-----  
----- **its**  
**maintenance during the Defect Liability period**

Pre-Qualification Number	Client Name
HSCC/Mauritius/Cancer Hospital/Fur/2019	Deputy Permanent Secretary for Cancer Hospital Solferino <b>Vacoas, Mauritius.</b>

2. Attached to this letter are copies or original documents defining:
  - (a) the applicants legal status
  - (b) the principal place of business
  - (c) the place of incorporation (for applicants who are corporations) or the place of registration and the nationality of the owners (for applicants who are partnerships or individually owned firms)
  - (d) application form no. 1 to 6
3. Your agency and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This letter of application will also serve as authorization or any individual

or authorized representative or any institution referred to in the supporting information, to provide such information deemed necessary and requested by yourselves to verify statements and information provided in this application, or with regard to the resources, experience, and competence of the Applicant.

4. Your agency and its authorized representatives may contact the following persons for further information:

General, Personnel, Technical and Financial Enquiries	
Contact 1 :	Telephone 1 :
Contact 2 :	Telephone 2 :

5. This application is made in the full understanding that :

(a) Bids submitted by applicants will be subject to verification of all information submitted at the time of bidding

(b) Your agency reserves the right to :

- amend the scope and value of the contract / bid under this project ; in such event, bids will only be called from pre-qualified bidders who meet the revised requirements ; and
- reject or accept any application, cancel the pre-qualification process, and reject all applications without assigning reasons or incurring any liability thereof ; and

(c) Your agency shall not be liable for any such actions and shall be under no obligation to inform the Applicant

6. The undersigned declare that statements made and the information provided in the duly completed application are , true and correct in every detail.

Sealed & Signed
Name
For and on behalf of

## APPLICATION FORM NO. 1

### GENERAL INFORMATION

All individual firms applying for pre- qualification are requested to complete the information in this form. Information to be provided for all owners or APPLICANTS who are partnerships or individually-owned firms.

1.	Name of firm
2	Head office address
3	Telephone   Contact
4	Fax   E-mail No.
5	Place of incorporation/ Registration   Year of incorporation/ registration   

**Authorized Signatory of bidder**

## **APPLICATION FORM NO. 2**

### **STRUCTURE AND ORGANIZATION**

1. Name & address of the applicant
2. Telephone No. / Telex No. / Fax No.
3. Legal status of the applicant (attach copies of original document defining the legal status)
  - (a) An individual
  - (b) A proprietor firm
  - (c) A firm in partnership
  - (d) A Limited Company or Corporation.
4. Particulars of registration with various Government bodies (attach attested photocopy)

Organisation /Place of registration	Registration No.
-------------------------------------	------------------
5. Name and Titles of Directors & Officers with designation to be concerned with this work.
6. Designation of individuals authorised to act for the organisation
7. Was the applicant ever required to suspend furniture works for a period of more than 02 months continuously after you commenced the furniture works? If so, give the name of the project and reasons of suspension of work.
8. Has the applicant ever abandoned the awarded work before its completion ? If so, give name of the project and reasons for abandonment.
9. Has the applicant ever been debarred / black listed for tendering in any organisation at any time If so, give details.
10. Has the applicant ever been convicted by a court of law? If so, give details.
11. Any other information considered necessary but not included above.

### **Authorized Signatory of bidder**

**APPLICATION FORM NO. 3**

**ANNEXURE - I**

**PERSONNEL CAPABILITIES**

Sl. No.	Designation	Total Number	Number available for this work	Name	Qualification	Professional experience	Remarks

**Authorized Signatory of bidder**

**APPLICATION FORM NO. 4**

**ANNEXURE - II**

**EQUIPMENT CAPABILITIES**

Sl. No.	Name of Equipment	Nos.	Capacity or Type	Age	Condition	Remarks

**Authorized Signatory of bidder**

## FINANCIAL CAPABILITIES

(Rs. In lakhs)

Financial Year	Annual Turn Over in Indian Rupees ( or equivalent to Indian Rupees ) as per Audited Balance Sheet
2015-2016	Rs.
2016-2017	Rs.
2017-2018	Rs.
Average Annual Turnover over the past three years	Rs.

Financial Information in Rs. Equivalent	For year 2013-2014	For year 2014-2015	For year 2015-2016	For year 2016-2017	For year 2017-2018
1. Total Assets					
2. Current Assets					
3. Total Liabilities					
4. Current Liabilities					
5. Profit before Tax					
6. Profit after Tax					
7. Net Worth					

**NOTE : The above data is to be supported by audited balance sheets**

1. Attach copies of audited balance sheets duly certified by the chartered accountant for all three years (2015-16, 2016-17 & 2017-18). Audited Balance sheet should mention the membership number of chartered accountant issued by ICAI along with full address.
2. Attach recent solvency certificate from bankers

**Authorized Signatory of bidder**



**FORM OF BANKERS' CERTIFICATE FROM A SCHEDULED BANK**

This is to certify that to the best of our knowledge and information that M/s./Shri ..... having marginally noted address, a customer of our bank are/is respectable and can be treated as good for any engagement upto a limit of Rs. ....(Rupees.....). This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature)

For the Bank

- NOTE (1) Bankers certificates should be on letter head of the Bank, sealed in cover addressed to tendering authority.
- (2) Incase of partnership firm, certificate should include names of all partners as recorded with the bank.

**APPLICATION FORM NO. 6**

**ANNEXURE - IV**

**EXPERIENCE OF COMPLETION OF PROJECTS OF SIMILAR NATURE & COMPLEXITY**

(During last seven years ending last day of month previous to the one in which applications are invited)

Sl. No.	Name of work / project and location	Owner or sponsoring organization	Cost of work in Lakhs	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Name and address/ telephone number of officer to whom reference may be made	Remarks

**NOTE :** Please attach supporting documents (completion certificates along with order copies) for the above information

**Authorized Signatory of bidder**

**APPLICATION FORM NO. 7**

**ANNEXURE - V**

Litigation Details  
Court Cases/arbitration

Name of Bidder
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Year	Name of the work	Name of the Client, with Address	Title of the court Case/Arbitration	Detail of the Court/ Arbitrator	Status Pending / Decided	Disputed Amount (Current Value, the equivalent ) in case of Court Cases/arbitration	Actual Awarded Amount (Rs) in decided Court Cases/arbitration

**Authorized Signatory of bidder**

**Check-List**

S.No	Criteria	Requirements	Page no. at which required information is available (To be mentioned)	Indicate Eligibility Y / N
1	Average Turnover for last three years	Copies of audited balance sheets certified by the chartered accountant along with Membership no for all three years .		
2	Experience	During last seven years +Similar work completed, 3 nos. of value not less than 40% of the estimated cost +Similar work completed, 2 Nos. of value not less than 60% of the estimated cost +One Similar work completed of value not less than 80% of the estimated cost		
3	Experience	A Certificate from client for completion of work(s) against single work order must be submitted along with application		
4	Personnel Capabilities	List of suitable qualified and experienced personnel in relevant field		
5	Equipment Capabilities	List of equipment required and proposed to be deployed & source of such equipments		
6	Financial Capability	<ul style="list-style-type: none"> <li>▪ Net worth positive for all the three years</li> <li>▪ Profit earning for all the three years</li> </ul>		
7	Solvency Certificate	Solvency certificate from applicant's bank for 40% of the estimated project cost. The certificate should be not more than one year old.		
8.	Abandoning / Blacklisting	Information regarding not abandoned /Black listing for any work of Union Govt./State Govt./ PSU's etc. during last 5 years and  The applicant should provide information regarding litigation/ Arbitration cases for the last five years as per ANNEXURE-V		
9.	Tender document fee, in case down loaded from web site	Rs. 10,000/-		
10	Bid Security	In terms of BG/DD		
11	Tender Documents	All volumes of tender documents submitted in the respective envelopes as specified in tender		
12	Registration/Licence	The firm should have Works Contract Tax/GST Registration with the appropriate Authorities		
13	Indemnification	As per clause no 6.3		

**Authorized Signature of Bidder with stamp**

PERFORMANCE REPORT OF WORKS  
REFERRED TO ANNEXURE-IV

01.	Name of work / Project & Location	
02.	Agreement No.	
03.	Bided Cost	
04.	Executed Cost	
05.	Date of Start	
06.	<b>Date of completion :</b>	
	i) Stipulated date of completion	
	ii) Actual date of completion	
07.	Amount of compensation levied for delayed completion, if any	
08.	Amount of reduced rate items, if any	
09.	<b>Performance Report :</b>	
	a) Quality of work	Out Standing / Very Good / Good / Poor
	b) Financial soundness	Out Standing / Very Good / Good / Poor
	c) Technical Proficiency	Out Standing / Very Good / Good / Poor
	d) Resourcefulness	Out Standing / Very Good / Good / Poor
	e) General behavior	Out Standing / Very Good / Good / Poor

Dated : \_\_\_\_\_

Executive Engineer or Equivalent

**INSTRUCTIONS FOR DOWNLOADING OF TENDER DOCUMENTS FROM INTERNET  
AND ITS SUBMISSION**

1. **The tender documents for the " Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius " can be obtained from the e-tender portal <http://www.tenderwizard.com/HSCC> and the offers can be given on the same subject to the conditions given below which shall be carefully studied by the intending bidders and offers submitted accordingly.**
  2. The tender documents shall be carefully downloaded from the website and the same shall be printed carefully, The tender documents so downloaded shall be complete in all respects, which shall be the sole responsibility of the bidder(s), and the HSCC/ Cancer Hospital at Solferino, Vacoas, Mauritius shall not be liable for any mistakes/loss or corruption of data in the downloading and/ or printing. The end of each volume of the tender documents should marked in bold letter as "END OF VOLUME – X" (where "X" is the Volume Number) on a separate page in the uploaded document, which may be checked while downloading the tender documents to ensure that the complete tender documents has been downloaded. The tenderer(s) must also compare the document as printed with the document as uploaded on the website. The tenderer(s) shall sign the undertaking given in ANNEXURE –VIII of Volume – I (PQ) of Bid Document failing which the offer given by them shall be summarily rejected.
  3. A master copy of the document downloaded from the website mention above shall be kept at HSCC Head Office, E-6A, Sector -1, Noida -201301, (U.P.). In case of any discrepancy between the tender document printed and submitted by the bidder after downloading form the website and the Master Copy, the later shall prevail and shall be binding on the tenderer(s). The offer received shall be deemed to have been submitted on the document as uploaded and appearing in the website mentioned above whose Master Copy is kept in the office of tender inviting authority.
  4. The tenderer(s) shall print the documents on good quality, white A4 size paper on any quality Laser Printer.
  5. The cost of tender document of Rs. 5,000/- (including tax) as mentioned in the notice inviting tender shall be enclosed with the technical package Part –I of the offer as a Demand Draft payable in favor of "HSCC (I) Ltd. NOIDA payable at NOIDA as cost of tender. The cost of tender document shall not be clubbed with the earnest money deposit. The tenders submitted without the requisite cost of tender documents and inappropriate form shall not be considered.
  6. The tender shall be filled up after careful study of the document and the site and any clarification required may be obtained from the tender inviting authority whose address is given in the tender document.
  7. The tenderer(s) downloading the documents from internet must keep themselves updated through the website from which the tender document is downloaded regarding corrigenda, if any, to the same website. The offers received without such corrigenda published are liable to be rejected.
  8. Any willful changes/deletion/addition in printing carried out in the tender documents shall be viewed very seriously, whether detected at the time of opening/award of work, and the same may

result in penal action including banning of further business with the defaulting tenderer(s). In addition, the tenderer(s) are liable to be prosecuted for the same as per law.

9. The Tenderer(s) or his authorized representative shall be original on each page of the downloaded tender document.

**Signature of Tenderer(s)**

## **ANNEXURE - VIII**

Bidders submitting their bids using tender documents downloaded from the websites mentioned above should enclose the tender document fee in the form prescribe above in Envelope no.1 of their bids along with Certificate as per format given at ANNEXURE-VIII of this Volume I of the tender documents failing which the bid shall be rejected.

### **CERTIFICATE**

(Only for bidders using tender documents downloaded from website)

We certify that the tender documents (Volume I, II, III, IV & V) submitted by us along with our bid for \_\_\_\_ (tender no.) \_\_\_\_\_ (name of work) \_\_\_\_\_ are downloaded from HSCC e-tender portal <http://www.tenderwizard.com/HSCC> is same in content and form (verbatim).

We also undertake that any deviation, if detected at any stage, would entitle Cancer Hospital at Solferino, Vacoas, Mauritius/HSCC to reject our bid/tender/offer and take suitable penal action against us. In any such an eventuality, the decision of Cancer Hospital at Solferino, Vacoas, Mauritius /HSCC shall final and the same would be legally binding on us.

**Signature & seal of the Tenderer**



**Form of Bid and Appendix**

**FORM OF BID**

**Name of the Work:** “Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius”

Sr. CGM (PG-I),  
**HSCC (India) Ltd.,**  
**E-6(A), Sector 1,**  
**Noida – 201301**

**Sub: Submission of Proposal**

Having visited the Site, ascertained the Site conditions and examined the General Conditions of Contract as well as Specific Conditions of Contract, Notice Inviting Bids, Instructions to Bidders etc. and addenda for the above project, we the undersigned, are pleased to submit our technical and financial Bid along with relevant documents.

1. We acknowledge that the Appendix forms an integral part of the Bid.
2. While preparing this Bid, we have gathered our own information and conducted our own inquiry/survey to our satisfaction and we did not rely solely on the information provided in the Bid Documents. We shall not hold Employer/HSCC responsible on any account in this regard.
3. We undertake, if our Bid is accepted, to commence the works within the stipulated time and to complete the whole of the works comprised in the Contract within the stipulated time calculated from the start date
4. If our Bid is accepted, we will furnish a bank guarantee as Performance security for the due performance of the Contract. The amount and form of such guarantee or bond will be in accordance with as given in the General Conditions of the Contract and specific conditions of contract.
5. We are aware that in the event of delay in execution of the Project, beyond the agreed timelines due to reasons attributable to us, liquidated damages shall be recovered from us.
6. Our Bid is valid for your acceptance for a period of 180 days from the last date of submission of the Bid as per the Bid Documents or any extension thereto.
7. We agree to the General Conditions of Contract and Specific Conditions of Contract and the terms and conditions mentioned in the Bid Documents.
8. We declare that the submission of this Bid confirms that no agent, middleman or any intermediary has been, or will be engaged to provide any services, or any other item of work related to the award of this Contract. We further confirm and

declare that no agency commission or any payment, which may be construed as an agency, commission has been, or will be, paid and that the Bid price does not include any such amount. We acknowledge the right of Employer/HSCC, if it finds anything to the contrary, to declare our Bid to be non-compliant and if the Contract has been awarded to declare the Contract null and void.

9. We understand that you are not bound to accept the lowest or any Bid you may receive.
10. If our Bid is accepted, we understand that we are to be held solely responsible for the due performance of the Contract.
11. We enclose;
  - a. All documents as per the checklist
  - b. Bank guarantee/Demand Draft/Pay order for Rs \_\_\_\_\_ (Rupees \_\_\_\_\_ only) issued by \_\_\_\_\_ (name of the bank) BG/DD/PO No \_\_\_\_\_ towards EMD.

- Note :
- i. The Appendix forms part of the Bid
  - ii. Bidders are required to fill up all the blank spaces in this form of Bid and Appendix.

Dated this.....day of.....**2019**

Signature .....

Name..... in the capacity of .....

duly authorized to sign Bids for and on behalf of.....

Address .....

.....

.....

Witness – Signature .....

Name .....

Address .....

.....

.....

Appendix  
APPENDIX TO THE FORM OF BID

i.	(a) Amount of Performance Guarantee to be deposited by financially successful bidder (b) Amount of Security Deposit	Yes, As per respective clause of Conditions of Contract.  Yes, As per respective clause of Conditions of Contract.
ii	Date for commencement of work	As per respective clause of Conditions of Contract.
iii	Time for completion	03 calendar months
iv.	Amount of compensation in case of extension of completion date due to delays by the Contractor	Yes, As per respective clause of Conditions of Contract.
v.	Defects Liability Period from the date of issue of Completion Certificate.	12 months
vi.	(a) Period of validity of Performance Guarantee/security (b) Period of validity of Security Deposit	As per respective clause of Conditions of Contract. As per respective clause of Conditions of Contract.

Signature  
 (Authorized Signatory)  
 Date .....  
 Place .....

Name .....  
 Address .....

**Annexure-X**

**CRITERIA FOR EVALUATION OF THE PERFORMANCE OF SUPPLIERS/CONTRACTORS FOR PRE-ELIGIBILITY**

ATTRIBUTES		EVALUATION					
(a)	<b>Financial Strength (20 Marks)</b>	60% marks for minimum eligibility criteria					
	Average Annual Turnover (16 Marks)	100% marks for twice the minimum eligibility criteria or more					
	Solvency Certificate (4 Marks)	In between (i) & (ii) - on pro rata basis					
(b)	<b>Experience of similar class of works (20 marks)</b>	60% marks for minimum eligibility criteria					
		100% marks for twice the minimum eligibility criteria or more					
		In between (i) & (ii) - on pro rata basis					
(c)	<b>Performance on works (Time over run) (20 Marks)</b>						
	Parameter	Calculation for Point	Score			Maximum Points	
	If TOR=		1.0	2.0	3.0	>3.50	20
	(i) Without Levy of compensation		20	15	10	10	
	(ii) With Levy of compensation		20	5	0	-5	
	(Iii) Levy of compensation not decided		20	10	0	0	
	TOR = AT/ ST, where AT = Actual Time; ST = Stipulated Time						
	Note: - Marks for value in between the stages indicated above is to be determined by straight line variation method.						
(d)	<b>Performance of Works (Quality) (40 Marks)</b>	Performance	Marks				
		Outstanding	40				
		Very Good	30				
		Good	20				
		Poor	0				

Bidders qualifying the initial criteria as set out in para 3.0 will be evaluated for following criteria by scoring method on the basis of details furnished by them.

a	Financial strength ( Annexure-III & IIIA)-	Maximum 20 marks
b	Experience in eligible similar nature of work during last seven years (Annexure-IV)	Maximum 20 marks
c	Performance on works (Annexure-VII) - Time over run	Maximum 20 marks
d	Performance on works (Annexure-VII) - Quality	Maximum 40 marks
	<b>Total -</b>	100 marks
To become eligible for short listing, the bidder must secure at least 50% marks in each attribute and minimum 60% marks in aggregate.		

**END OF VOL-I**

**MINISTRY OF HEALTH & QUALITY OF LIFE  
GOVT. OF MAURITIUS**

**Tender**

**For**

Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Existing Block of Cancer Hospital at Solferino, Vacoas, Mauritius

**Volume-II**

**Condition of Contract**

**September '2019**



**HSCC (INDIA) LTD**

**(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)**

**E-6(A), sector-1, NOIDA(U.P) 201301 (India)**

Phone: 0120-2542436-40

Fax : 0120-2542447

**PQ. Tender No. HSCC/Mauritius/Cancer Hospital/Fur/2019**

## SECTION I: INSTRUCTIONS TO BIDDERS

### A. General

#### 1.0 Scope of work:

**1.1 Cancer Hospital at Solferino, Vacoas, Mauritius (Ministry of Health Quality of Life, Government of Mauritius) ( Employer) represented by HSCC (India) Ltd. invite online bids for “Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius.**

**1.2 The successful bidder will complete the works within three (03) Calendar months from the date of commencement order.**

#### 2.0 The Employer:

Cancer Hospital at Solferino, Vacoas, Mauritius (Ministry of Health Quality of Life, Government of Mauritius), represented by their consultant M/s HSCC (India) Limited (HSCC), A Government of India Enterprise, having its Corporate office at plot No. 6(A), Block-E, Sector -1, Noida, Distt. Gautam Budh Nagar (UP) and having its registered office at 105, Plot No.5,Gupta Arcade, D.D.A. Local Shopping Complex, Mayur Vihar, Phase-I, Extension, Delhi-110091 will enter into the agreement with the chosen contractor for & on behalf of Employer.

2.1 In these documents wherever the word tender/ tenderer/tendering has been used, the same may be considered synonymous with bid/bidder/bidding.

#### 3.0 Information's to be submitted:

3.1 All bidders shall include the following information and documents with their bids:

1. Power of attorney of the signatory of the bid to commit the bidder.
2. A Work plan clearly bringing out how the bidder proposes to carry out the work to achieve the time schedule.

#### 4.0 Cost of bidding:

The bidder shall bear all costs associated with the preparation and submission of his bid, and the Employer will in no case be responsible or liable for those costs.

#### 5.0 Site visit:

The bidder is advised to visit and examine the Site of Works and its surroundings and obtain for himself on his own responsibility and at his own risk all information that may be necessary for preparing the bid and entering into a contract for supplying Hospital furniture. The cost of visiting the Site shall be at the bidder's own expense.

### B. Bidding Documents



## **6.0 Content of bidding documents:**

The set of bidding documents comprises the documents listed below:  
Prequalification Document, Conditions of contract, Technical specifications & Bill of Quantities

## **7.0 Clarification of bidding documents:**

A prospective bidder requiring any clarification of the bidding documents may notify the Employer in writing or by cable (hereinafter, "cable" includes facsimile) at the Engineer's address indicated in the Invitation to Bid. The Engineer will respond to any request for clarification which he received earlier than 7 days prior to the submission of bid. Copies of the Engineer's response will be forwarded to all purchasers of the bidding documents, including a description of the enquiry but without identifying its source.

## **8.0 Amendment of bidding Documents:**

8.1 Before the deadline for submission of bids, the Engineer may modify the bidding documents by issuing addenda.

8.2 Any addendum thus issued shall be part of the bidding documents and shall be communicated in writing or by cable to all purchasers of the bidding documents.

8.3 To give prospective bidders reasonable time to take an addendum into account in preparing their bids, the Engineer shall extend as necessary, the deadline for submission of bids in accordance with Sub-Clause 16.2.

## **C. Preparation of Bids**

### **9.0 Language of bid:**

All documents relating to the bid shall be in English Language only.

### **10.0 Documents comprising the bid:**

The bid submitted by the bidder shall comprise the following:

- (a) Bid Security
- (b) Prequalification Document (Vol I)
- (c) Conditions of Contract ( Vol II )
- (d) Specifications ( Vol III )
- (e) Bill of Quantities ( Vol IV )
- (f) Tender drawings ( Vol V ), if any
- (f) Documents mentioned in 6.0 above.

and any other documents required to be completed and submitted by bidders in accordance with these instructions.

### **11.0 Bid prices:**

11.1 The bidder shall fill the rates against each item of BOQ both in words and figures.

11.2.1 All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause shall be included in the rates, prices, and total amount of bid submitted by the bidder. The evaluation and comparison of bids by the Employer shall be made accordingly.

11.3 The rates and prices quoted by the bidder shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.

## **12.0 Currencies of bid and payment :**

The rate to be quoted by the bidder shall be in Indian Rupees.

## **13.0 Bid validity:**

13.1 Bids shall remain valid for a period of 180 days after the deadline for bid submission specified in Clause 16.

13.2 In exceptional circumstances, the bidders may be requested to extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his bid security for the period of the extension, and in compliance with Clause 14 in all respects.

## **14.0 Bid security:**

14.1 The bidder shall furnish, as part of his bid, a security amount of MUR 2,80,197/- The bid security shall be valid up to 180 days after the deadline for bid submission specified in Clause 16.

14.2 The bid security shall be in the form of a Pay order/ Demand Draft from a Nationalized/Scheduled bank in favour of "**HSCC (I) Ltd,**" payable at **Noida/Delhi.**

14.3 In case the bid security submitted in the form of Bank Guarantee from a Nationalized/Scheduled bank to be prepared in favour of "**HSCC (I) Ltd,**" payable at **Noida/Delhi.**

14.4 The cost of tender documents shall be Rs. 10000/- to be submitted in the form of demand draft from a Nationalized/Scheduled bank in favour of "**HSCC (I) Ltd**" payable at **Noida/Delhi.**

14.3 Any bid not accompanied by an acceptable bid security shall be rejected.

14.4 The bid security of unsuccessful bidders will be returned within 30 days of the end of the bid validity period specified in Sub-Clause 13.1.

14.5 The bid security of the successful bidder will be discharged when the bidder has signed the Agreement and furnished the required performance security.

14.6 The bid security shall be forfeited :

- (a) if the bidder withdraws his bid during the period of bid validity;
- (b) if the bidder does not accept the correction of his bid price, pursuant to Clause 23; or
- (c) in the case of a successful bidder, if he fails within the specified time limit to :

- (i) sign the Agreement ; or
- (ii) furnish the required performance security.

14.7 No interest will be payable on the bid security amount cited above.

**15.0 Sealing, marking and submission of bid :**

15.1 The Bid shall be submitted in accordance with the procedure detailed herein. Bidder shall submit their Bids online only in two packages namely the Technical Package and the Financial Package. The contents of the technical and financial package are as mentioned hereinafter. The technical package, clearly labeled as "**TECHNICAL PACKAGE**", has to be submitted in two parts.

**(A) Technical Package Part –I ; Shall be submitted in ORIGINAL in envelope no. 1 with a copy uploaded online and shall comprise the following :**

- i. Original Non-refundable Demand Draft as mentioned in detailed NIT, as Tender Fee
- ii. Bid Security, in original,
  - a. The Bidder shall enclose EMD with their Bid for an amount, as mentioned in Notice Inviting Bids.
  - b. The EMD will be in the form of demand draft of a scheduled bank issued in favour of "HSCC (India) Ltd." payable at Noida/ New Delhi or Bank Guarantee in favour of "HSCC (India) Ltd.." having validity for 180 days or more from the last date of receipt of tenders or any extension thereof. The Bank guarantees should be irrevocable and operative for a period of 180 days or more from the last date of receipt of tenders or any extension thereof.
  - c. Bids not accompanied by EMD & tender fee , shall be treated as non-responsive, and will be summarily rejected by the HSCC/ Cancer Hospital at Solferino, Vacoas, Mauritius
  - d. The Bid securities of unsuccessful Bidders shall be discharged/ returned by HSCC/ Cancer Hospital at Solferino, Vacoas, Mauritius in not later than 30 days after the expiration of the period of Bid Validity.
  - e. The Bid Security shall be forfeited if a bidder withdraws his bid during the period of bid validity or in the case of the successful bidder, if he fails to furnish the necessary performance security or enter into the Contract within the specified time limit.

**(B). Technical Package Part –II ; Shall be submitted online only duly digitally signed & stamped by authorized signatory and comprise the following:**

Power of attorney of person authorised to sign the Bid.

- (b) Bid documents (all pages) & drawing (Volume I, II, III, & V) duly signed and stamped.
- (c) Documents regarding constitution of Bidder to be submitted.
- (d) Certificate of Registration.
- (e) All the information as stipulated in clause 3.0 under information to be submitted
- (f) Schedule for submission of Shop drawings etc.

## 15.2 Contents of Financial Package

The financial package (**VOLUME IV - BILL OF QUANTITY/ PRICE BID**) should be submitted **ONLINE** only. These prices should include all costs associated with the Project including any out of pocket / mobilization expenses, taxes, charges, levies, cess, VAT, including Service tax/GST etc. as applicable till the date of NIT. In case Government levies/modifies any tax subsequently the same will be adjusted plus/minus as the case may be. The Bidder must ensure to fill up price against each item of Price bid. If any cell is left blank/Not quoted then value of that cell shall be treated as "0" (**ZERO**). Rates/prices (Volume IV ) duly filled in and signed and stamped without any conditions whatsoever. Bids containing any conditions in price bids/BOQ are liable to be summarily rejected.

**The Contractor must fill up price against each item of BOQ (Volume IV ) in the blank spaces provided in the respective columns.**

Please note that the price should not be indicated in any of the documents enclosed in Technical Package Part-I & II. Non-compliance shall entail rejection of the Bid. Any addition, modification, alteration etc if observed in any of the bid documents containing volume -I to V at any stage the bid shall be summarily rejected.

**No rates to be quoted for the items where nil quantity is mentioned against that item. Indicating NIL quantity does not mean that this item will not be operated in the work. Rate of item quoted under any section of Bill of Quantity is interchangeable and minimum rate quoted for the same item under any section will be taken for payment.**

**Only summary of all quoted price shall be announced during opening of price bids.**

**Please note that the price should not be indicated in any of the documents enclosed in envelope 1 & 2**

**All bidders are required to submit unconditional bids. Conditional bids if submitted may be rejected and no correspondence in this regard shall be entertained.**

All the financial Bids shall then be ranked according to the financial Bid in increasing order with the Bidder quoting the least amount ranked L1, Bidder quoting next ~~higher~~ figure as L2 and so on. The total quoted amount of all sub-heads/items shall be considered for evaluation and accordingly the work will be awarded to the lowest ~~quoted~~ bidder based on all sub-heads/items

15.2 The bidder shall seal the bid.

15.3 Envelopes shall be sealed and addressed to the CGM (PG-I) HSCC (I) Ltd, E-6A, Sector-I, Noida-201301.

15.4 All the above envelope shall bear the following identification.

**Name of work: -" Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius"**

15.5 All the envelopes shall indicate the name and address of the bidder to enable the bid to be returned unopened, if required.

15.6 All recipients for the purpose of submitting a bid, shall treat the contents of the documents

as private and confidential.

**16.0 Deadline for submission of bids :**

16.1 Bids must be received by the Employer (Cancer Hospital at Solferino, Vacoas, Mauritius (Ministry of Health Quality of Life, Government of Mauritius) at the address specified above not later than the designated date and time.

16.2 The Employer "Cancer Hospital at Solferino, Vacoas, Mauritius (Ministry of Health Quality of Life, Government of Mauritius)" may extend the deadline for submission of bids by issuing an amendment in accordance with Clause 8, in which case all rights and obligations of the Employer/Consultant and the bidders previously subject to the original deadline will then be subject to the new deadline.

**17.0 Late bids:**

Any bid received by the Consultant/Employer after the deadline prescribed in Clause 16.0 will be returned unopened to the bidder.

**18.0 Modification and withdrawal of bids:**

18.1 The bidder may modify or withdraw his bid by giving notice in writing before the deadline prescribed in Clause 16.

18.2 The bidder's modification or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with Clause 15, with the outer and inner envelopes additionally marked "MODIFICATION" or "WITHDRAWAL", as appropriate.

18.3 No bid shall be modified after the deadline for submission of bids.

18.4 Withdrawal of bid between the deadline for submission of bids and the expiration of the original period of bid validity specified in the Form of Bid shall result in the forfeiture of the bid security pursuant to Clause 14.

**D. Tender Opening and Evaluation**

**19.0 Bid Opening**

19.1 Bids shall then be opened in the office of HSCC (I) Ltd., at Plot - 6 (A), Block - E, Sector - I, Noida, Uttar Pradesh - 201 301, half an hour after the prescribed time for Bid submission in presence of the Bidders' representatives who may wish to be present.

Technical Package- Part-I : Shall be opened first. If the Bid Security & tender document fee is not found as prescribed as per 14 above , the Bid shall be summarily rejected.

Technical Package- Part-II shall be opened next. Bids of parties who do not accept the conditions laid above in the Bid documents are also liable to be rejected.

19.2. The Engineer will examine the Bids to determine whether they are complete, whether the requisite bid securities have been furnished, whether the Bids have been properly signed and stamped and whether the Bids are generally in order.

19.3 Telegraphic/ Fax offer will be treated as defective, invalid and rejected. Only detailed HSCC/Mauritius/Cancer Hospital/Fur/2019

complete Bids received prior to the closing time and date of the Bids will be taken as valid.

- 19.4 The Bidder's names, general technical details, the presence of the requisite Bid Security and such other details as the Engineer, at his discretion may consider appropriate will be announced at the Bid opening.

Further, Financial Package i.e price Bid shall be opened (volume-IV). Whose bid is found to be generally in order and substantially responsive shall be opened either at the Bid opening or at a subsequent date to be intimated in advance to such eligible Bidders.

- 19.5 Only summary of prices quoted by the Bidders will be read out.
- 19.6 The Bid of any Bidder who has not complied with any of the instructions contained herein may not be considered.

## **20.0 Process to be confidential :**

- 20.1 Information relating to the examination, clarification, evaluation, and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced. Any effort by a bidder to influence the Engineer's processing of bids or award decisions may result in the rejection of his bid.

## **21.0 Clarification of bids :**

- 21.1 To assist in the examination, evaluation, and comparison of bids, the Engineer may, at his discretion, ask any bidder for clarification of his bid, including break down of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the bid shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Engineer in the evaluation of the bids in accordance with Clause 23.

## **22.0 Examination of bids and determination of responsiveness :**

- 22.1 Prior to the detailed evaluation of bids, the Engineer will determine whether each bid (a) meets the eligibility criteria; (b) has been properly signed; (c) is accompanied by the required securities; (d) is substantially responsive to the requirements of the bidding documents; and (e) provides any clarification and/or substantiation that the Engineer may require.
- 22.2 A substantially responsive bid is one which conforms to all the terms, conditions, and specifications of the bidding documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the bidding documents, the Engineer's right or the bidder's obligations under the contract or (c) whose rectification would affect unfairly the competitive position of other bidders presenting substantially responsive bids.
- 22.3 If a bid is not substantially responsive, it will be rejected by the Engineer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

## **23.0 Correction of errors:**

- 23.1 Bids determined to be substantially responsive shall be checked by the Engineer for any arithmetic errors in computation and summation. Errors will be dealt by the Engineer as per following:
- (a) When there is a difference between the rates in figures and in words, the rates, which correspond to the amounts worked out by the tenderer, shall be taken as correct.
  - b) When the rate quoted by the tenderer in figures and in words tallies but the amount is not worked out correctly, the rate quoted by the tenderer shall be taken as correct and not the amount.

If the bidder does not accept the corrected amount of bid as above, his bid will be rejected, and the bid security may be forfeited in accordance with Sub-Clause 14.0.

**24.0 Currency for bid evaluation :**

Bids shall be evaluated as quoted in Indian Rupees in accordance with Clause 12.

**25.0 Evaluation and comparison of bids :**

- 25.1 The Engineer will evaluate and compare only the bids determined to be substantially responsive in accordance with Clause 22.
- 25.2 In evaluating the bids, the Engineer will determine for each bid the Evaluated Bid Price by adjusting the Bid Price after making any correction for errors pursuant to Clause 23.

**E. Award of Contract**

**26.0 Award Criteria :**

- 26.1 Subject to Clause 27, the Employer intends to award the Contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has offered the Lowest Evaluated Bid Price.

**27.0 Employer's right to accept any bid and to reject any or all bids :**

- 27.1 Notwithstanding Clause 26, the Engineer on behalf of the Employer reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the ground for the Employer's action.

**28.0 Notification of award :**

- 28.1 Prior to expiration of the period of bid validity prescribed, the Employer/Consultant (HSCC) will notify the successful bidder by cable confirmed by registered post / courier letter that his bid has been accepted. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") shall name the sum which the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provision of Clause 29.

28.3 Upon furnishing by the successful bidder of a performance security, the Engineer on behalf of the Employer will promptly notify the other bidders that their bids have been unsuccessful.

### **29.0 Performance Security:**

29.1 Within 15 days of receipt of the notification of award from the Employer/ Consultant (HSCC), the successful bidder shall furnish to the Consultant (HSCC), a performance security in the form of a bank guarantee from any of the scheduled bank in favour of HSCC (I) Ltd **for an amount equivalent to 5% of the Contract Price**. The validity of the Performance Security shall be upto the end of the Defect Liability Period with 3 months claim period after expiry of defect liability period

29.2 Failure of the successful bidder to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the bid security.

### **29.3 Signing of Agreement**

Upon the receipt of the notification of Award by the successful Bidder, the successful Bidder shall fill the Agreement in accordance with form of Agreement included in the Bid documents and submit the same to the Engineer within two weeks of the date of receipt of notification of Award. The Engineer shall return the draft duly approved within one day from the date of receipt of the draft and the successful Bidder shall get the same engrossed, have the correct amount to stamp duly adjudicated by Superintendent of Stamps and thereafter return the same duly signed and executed on behalf of the successful Bidder, all at his own cost within 3 days from the receipt of the approved draft. The signing of agreement may be made together or separately for sections with respective client / HSCC Ltd, on behalf of the client.

30.0 Site information's Contractor/agency/firms at his own cost shall provide car in good running condition including fuel & Driver.



## Section 2. Conditions of Contract

### **A. General** **1.0 Definitions :**

1.1 Terms which are defined in the Contract Data are not defined in the Conditions of Contract but keep their defined meanings. Capital initials are used to identify defined terms.

Acceptance is the date when the Contract came into existence upon receipt by the Contractor of the Letter of Acceptance issued by the Employer.

The Activity Schedule is a schedule of the activities comprising the construction, installation, testing, and commissioning of the Works.

The Completion Date is the date when the Engineer notifies that the works can be used by the Employer.

The Employer is Cancer Hospital at Solferino, Vacoas, Mauritius (Ministry of Health Quality of Life, Government of Mauritius).

The Consultant is M/s. HSCC (I) Ltd. (HSCC).

The Contract is the contract between the Employer of the one part and the Contractor of the other.

The Contract Data defines the documents and other information which comprise the Contract.

The Contractor is a person or corporate body whose bid to carry out the Works has been accepted by the Employer.

The Contractor's Bid is the completed bidding document submitted by the Contractor to the Employer.

The Contract Price is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; months are calendar months.

A Defect is any part of the Works not completed in accordance with the Contract.

The Engineer is the person named in the Contract Data who is responsible for supervising the Contractor, administering the Contract, certifying payments due to the Contractor, issuing and valuing Variations to the Contract, awarding extensions of time etc.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The Initial Contract Price is the Contract Price at the date of the Employer's written acceptance of the Contractor's Bid.

The Intended Completion Date is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The

Intended Completion Date may be revised only by the Engineer by issuing an Extension of time.

Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical function.

The Site is the area defined as such in the Contract Data.

The Start Date is given in the Contract Data. It is the date when the Contractor can commence work on the Contract.

It does not necessarily coincide with any of the Site Possession Dates.

A Subcontractor is person or corporate body who has a contract with the Contractor to carry out a part of the work in the Contract.

Temporary Works are works designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Works.

A Variation is an instruction given by the Engineer which varies the Works.

The Works are what the Contract requires the Contractor to construct, install, and hand over to the Employer.

## **2.0 Interpretation :**

In interpreting these Conditions of Contract, singular also means plural, male also means female, and vice versa. Headings and cross-references between clauses have no significance. Words have their normal meaning under the language of the Contract unless specifically defined.

## **3.0 Language and law :**

The language of the Contract and the law governing the Contract are stated in the Contract Data.

## **4.0 Engineer's decisions:**

The Engineer is to decide contractual matters between the Employer and the Contractor fairly and impartially.

## **5.0 Delegation:**

The Engineer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

## **6.0 Communications:**

Communications between parties which are referred to in the conditions are effective only when in writing.

## **7.0 Removal of personnel**

If the Engineer asks the Contractor to remove a person who is a member of his staff or his work force and states his reasons the Contractor is to ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

## **8.0 Contractor's risks :**

8.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

Excepted Risks are :

- a.
  - (i) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,
  - (ii) rebellion, revolution, insurrection, or military or usurped power, or civil war,
  - (iii) ionising radiations, or contamination by radio - activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio - active toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear component thereof,
  - (iv) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speed,
- b. loss or damage due to the use or occupation by the Employer of any section or part of the Permanent Works, except as may be provided for in the Contract.
- c. loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible.

## **9.0 Insurance :**

9.1 The following insurance cover is to be provided by the Contractor in the joint names of the Employer (Cancer Hospital at Solferino, Vacoas, Mauritius (Ministry of Health Quality of Life, Government of Mauritius) and the Contractor for the period from the Start Date to the end of the Defects Notice Period or of the last Defects Correction Period whichever is the later :

- (a) cover against damage to other people's property caused by the Contractor's acts or omissions;
- (b) cover against death or injury caused by the Contractor's acts or omissions to
  - (i) anyone authorised to be on the Site ;
  - (ii) third parties who are not on the Site ;
- (c) cover against damage to the Works and materials during construction.

9.2 Policies and certificates for insurance are to be produced by the Contractor to the Engineer for approval before the Start Date given in the Contract Data and subsequently as the Engineer may require.

9.3 If the Contractor does not produce any of the policies and certificates required, the Employer may effect the insurance for which the Contractor should have produced the policies and certificates and recover the premiums it has paid from payments due to the Contractor till the said insurance by agency regularized by agency.

9.4 Alterations to the terms of an insurance may be made either with the approval of the HSCC/Mauritius/Cancer Hospital/Fur/2019

Engineer or as a result of general changes imposed by the insurance company with which the insurance policy is effected.

9.5 Both parties are to comply with conditions of the insurance policies.

**10.0 Indemnities :**

10.1 The Contractor is liable for and indemnifies the Employer against losses, expenses and claims for loss or damage to physical property, personal injury, and death caused by his own acts or omissions.

10.2 The Contractor indemnifies the Employer against claims for damage caused by the movement of his Equipment or Temporary Works outside the Site.

**11.0 Queries about the contract data :**

The Engineer is to give instructions clarifying queries about the Contract Data.

**12.0 Contractor to execute the works :**

The Contractor is to, installation testing & commissioning of Office & Hospital furniture in accordance with the Specification and terms& conditions of contract...

**13.0 The works to be completed by the intended completion date :**

The Contractor may begin the Works on the Start Date and is to carry out the Works in accordance with the program submitted by him, as updated with the approval of the Engineer, and complete them by the Intended Completion Date i.e 03 (three) calendar months.

**14.0 Approval of samples of all the BOQ items to be taken from client before manufacturing.**

**15.0 Safety :**

The Contractor is responsible for the safety of all activities on the Site.

**16.0 Possession of the site :**

The Employer is to give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data, the Employer is deemed to have delayed the start of the relevant activities.

**17.0 Access to the site :**

The Contractor is to allow the Engineer and any person authorized by the Engineer access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.

**18.0 Instructions :**

The Contractor shall carry out all instructions of the Engineer.

## **19.0 Procedure for disputes :**

If any dispute or difference of any kind what so ever shall arise between the Employer and the contractor or the Engineer and the contractor in connection with or arising out of the Contract, or

the execution of the works, whether during the progress of the works or after their completion and whether before or after the termination, abandonment or breach of the contract, it shall, in the first place, be referred to and settled by the Engineer who shall, within a period of ninety days after being requested by either party to do so, give written notice of his decision to the Employer and the Contractor. Subject to arbitration, as hereinafter provided, such decision in respect of every matter so referred shall be final and binding upon the Employer and the Contractor and shall forthwith be given effect to by the Employer and by the Contractor, who shall proceed with the execution of the works with due diligence whether he or the Employer requires arbitration or not. If the Engineer has given written notice of his decision to the Employer and the Contractor and no claim to arbitration has been communicated to him by either the Employer or the Contractor within a period of ninety days from receipt of such notice, the said decision shall remain final and binding upon the Employer and the Contractor. If the Engineer shall fail to give notice of his decision, as aforesaid within a period of ninety days after being requested, or if either the Employer or the Contractor be dissatisfied with any such decision, then and in any such case either the Employer or the Contractor may within ninety days after receiving notice of such decision or within ninety days after the expiration of the first named period of ninety days as the case may be require that the matter or matters in dispute be referred to arbitration as hereinafter provided. All disputes or differences in respect of which the decision if any of the Engineer has not become final and binding as aforesaid, shall be finally settled under the Indian Arbitration and Conciliation Act, 1996 or any statutory modification or re - enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause. Such arbitration shall be settled by Sole arbitrator who shall be appointed by Chairman cum Managing Director, HSCC. The arbitration shall take place in New Delhi unless both parties agree otherwise. Neither party shall be limited in the proceedings before the arbitrator to the evidence or arguments put before the Engineer for the purpose of obtaining his said decision. No decision given by the Engineer in accordance with the foregoing provisions shall disqualify him from being called as a witness and giving evidence before the arbitrator on any matter whatsoever relevant to the dispute or difference referred to the arbitrator as aforesaid. The reference to arbitration may proceed notwithstanding that the works shall not then be or be alleged to be complete provided always that the obligations of the Employer, the Engineer and the Contractor shall not be altered by reason of the arbitration being conducted during the progress of the works.

## **B. Time Control**

### **20.0 Program :**

20.1 Within the time stated in the Contract Data, the Contractor shall submit to the Engineer for his approval a program showing the general methods, arrangements, order, and timing for all the activities in the Works.

**20.2 The Contractor is to submit to the Engineer an updated program as required by the Engineer.**

20.3 The Engineer's approval of the program does not alter the Contractor's obligations. The HSCC/Mauritius/Cancer Hospital/Fur/2019

Contractor may revise the program and submit it to the Engineer again at any time. A revised program is to show the effect of Variations.

**21.0 Extension of the intended completion date :**

21.1 The Engineer is to extend the Intended Completion Date if an event not attributable to the contractor causing delay occurs or a Variation is issued which makes it impossible for completion to be achieved by the Intended Completion Date.

21.2 The Engineer is to decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking him to decide upon the effect of a event causing delay or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by his failure is not considered in assessing the new Intended Completion Date.

**22.0 Delays ordered by the Engineer :**

The Engineer may instruct the Contractor to delay the start or progress of any activity within the Works.

**23.0 Management meetings :**

23.1 The Engineer and/ the Contractor may be required the other to attend a management meeting. The business of a management meeting is to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.

**C. Quality Control**

**24.0 Identifying defects :**

The Engineer is to check the Contractor's work and to notify the Contractor of any Defects which he finds. Such checking does not affect the Contractor's responsibilities. The Engineer may instruct the Contractor to search for a Defect and to uncover and test any work which he considers may have a Defect.

**25.0 Tests : Tests of all materials will be carried out as per BIS. Incase it is not available in BIS the same shall be carried out as per decision given by engineer based on existing general practice which will be binding to the agency. The material which is not passing to BIS or any other test will be rejected or may be accepted with reduced rates as per decision taken by engineer.**

**26.0 Correction of defects :**

26.1 The Engineer is to give notice to the Contractor of any Defects of which he is aware before the end of the Defects Notice Period, which begins at Completion.

26.2 Every time notice of a Defect is given, a Defects Correction Period for the notified defect beings. The Contractor is to correct the notified defect within the Defects Correction Period. The length of the Defects Correction Period/Defect liability period is one year as also stated in the Contract Data.

26.3 The Contractor is to correct defects which he notices himself before the end of the Defects Notice Period.

26.4 The Engineer is to certify that all Defects have been corrected when all known Defects have been corrected. If the Engineer considers that correction of a Defect is not essential he can request the Contractor to submit a quotation for the corresponding reduction in the Contract Price or an earlier Intended Completion Date or both. If the Engineer accepts the quotation, the corresponding change in the Contract Data is a Variation.

**27.0 Uncorrected defects after completion date :**

27.1 After completion the Engineer may arrange for a third party to correct a Defect if the contractor has not corrected it within the Defects Correction Period.

27.2 The Engineer is to give the Contractor at least 28 days notice of his intention to use a third party to correct a Defect. If the Contractor does not correct the Defects himself within this notice period, the Engineer may have the Defect corrected by the third party. The cost of the correction will be deducted from the Contract Price.

**D. Cost Control**

**28.0 Bill of quantities :**

28.1 The Bill of Quantities is to contain items for the work to be done by the Contractor.

28.2 The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.

**29.0 Changes in the quantities:**

29.1 Final work done may exceed to any extent item wise as well as total work value wise.

29.2 If requested by the Engineer, the Contractor is to provide the Engineer with a detailed cost breakdown of any rate in the Bill of Quantities.

**30.0 Variations :**

30.1 All Variations are to be included in updated programs produced by the Contractor.

**31.0 Payments for variations :**

If the contract does not contain any rates or prices applicable to the varied work, the rates and prices in the contract shall be used as basis for valuation so far as may be reasonable, failing which, after due consultation by the engineer with the contractor, suitable rates or prices shall be agreed upon between the engineer and the contractor. In the event of disagreement, the engineer shall fix such rates or prices as are, in his opinion, appropriate based on CPWD norms and shall notify the contractor accordingly.

**32.0 Cash flow forecasts :**

32.1 The contractor shall provide cash flow forecast at the start of work to the Engineer. When the program is updated, the Contractor is to provide the Engineer with an updated cash flow forecast.

**33.0 Payment certificates :**

- 33.1 The contractor shall submit to the Engineer monthly statements of the value of the work completed less the cumulative amount certified previously on a printed proforma (prepared at the cost of Contractor).
- 33.2 The Engineer shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.
- 33.3 The Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

#### **34.0 Payments :**

**Payment against each monthly RA bills upon each of the engineers certificates shall be made by the Employer/Consultant (HSCC) within 30 days after such certificates issued by the Engineer i.e. HSCC (I) Ltd.**

However, 75% of the estimated amounts as determined by the Engineer of the payment due against the monthly running bill shall be paid within 10(ten) working days from the date of submission of the bill by the contractor and after certification by the Engineer representative at site/H.O in the approved format and complete in all respects accordingly payment shall be made by the **Employer/Consultant (HSCC )**.

- 1 50% payment on delivery and after making the item ready for installation**
- 2. 75% on installation**
- 3. 90% after checking and verification of individual items by the engineer**
- 4. 5% on certification of functioning by the user/engineer**
- 5. Balance 5% one month after handing over**

To facilitate interim payments, the contractor shall submit a detailed price breakup of the items required to be executed for the project, for the approval of the Engineer. The payment shall be released as per the terms of the payment given in the tender document.

#### **35.0 Taxes:**

Government of Mauritius will exempt payment of VAT, local taxes, levies etc. on project related procurements. Government of Mauritius will provide exemption of Customs Duty and other fees payable to the customs office by Contractors/Consultants to import construction materials, machinery and equipment to Mauritius. The Nodal Agency shall facilitate the approval process for exemption. In case of Indian Contractors/Consultants, Government of Mauritius will not levy any taxes or duties of any kind on machinery, equipment and vehicles (including secondhand vehicles) payable to the customs offices when these are exported out of Mauritius upon completion of the project. For this purpose, Contractors/Consultants will submit to the Nodal Agency of Government of Mauritius the list of such machinery, equipment and vehicles to be imported into Mauritius. Nodal Agency will facilitate obtaining approval within a fortnight. However, if the machinery, equipment and vehicles are sold within Mauritius, then all taxes and/or duties as applicable will be paid by the Contractor/ Consultant or the buyer. The income tax levied on the Indian Contractor/Consultant will be regulated as per the provisions of the Agreement for the Avoidance of Double Taxation and the Prevention of Fiscal Evasion with respect to taxes on Income concluded between Government of India and Government of Mauritius.



Government of Mauritius will provide duty-free import facilities to Indian nationals engaged by Contractors/Consultants for the Project implementation. However, with regard to the import of vehicles for the personal use, such a vehicle should be exported from Mauritius within a period of three months after relinquishment of charge by the beneficiary concerned. If such a vehicle is disposed off in Mauritius, taxes and duties shall be payable by the beneficiary as per the prevailing laws of Mauritius. However for uninterrupted progress of work, Contractor shall pay all taxes , duties, levies if any etc. of the Government provisions and the same shall be reimbursed on submission of documentary evidence.

### **36.0 Cost of Labour :**

The Contractor shall be deemed to have allowed in his Tender Price for the full cost of labour having due regard to the provision of all labour legislation of the Central and State Government which are in force on the date of the tender and which are applicable to labour engaged for the Contract.

### **37.0 Retention Amount :**

37.1 The retention money @ 5% of gross value of each RA bill shall be deducted from the contractor bill by the Employer as stated in the Contract Data until Completion of the whole of the Works.

37.2 On Completion of the whole of the Works, half the total amount retained is repaid to the Contractor and balance half when the Defects Notice Period has passed and the Engineer has certified that all Defects notified by him to the Contractor before the end of this period have been corrected. The second half of the retention may be paid against submission of Bank Guarantee approved by the Engineer from any nationalized bank if applicable.

### **38.0 Liquidated damages :**

38.1 If the contractor fails to complete execution of works within the relevant time as specified in the Contract Data / Extended date, the contractor shall pay the employer the relevant sum of 0.5% per week of delay subject to maximum 10% of contract value as stated in the Contract Data as liquidated damages for every day or part of a day which shall elapse between the relevant time of completion and the date stated in Taking over certificate.

### **39.0 Securities:**

39.1 The performance payment securities are to be provided to the Employer by the Start Date and are to be issued in a form and by a bank acceptable to the Employer. payable.

39.2 If there is no reason to call the performance security, the performance security is to be returned by the Employer within 14 days of the last Defects Correction Period.

39.3 The Employer is to notify the Contractor of any claim made against the institution issuing the security.

39.4 The Employer may claim against the surety if any of the following occurs for 42 days or more

(a) the Contractor is in breach of the Contract and the Employer has notified him that HSCC/Mauritius/Cancer Hospital/Fur/2019

- he is  
(b) the Contractor has not paid an amount due to the Employer.

#### **40.0 Cost of repairs :**

Loss or damage to the Works or materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods is to be mended by the Contractor at the Contractor's cost if the loss of damage arises from the Contractor's acts or omissions.

### **E. Finishing the Contract**

#### **41.0 Completion :**

The Engineer is to issue a certificate certifying Completion to the Contractor and the Employer when he decides that the work is completed.

#### **42.0 Taking over :**

The Employer takes over the Works within seven days of the Engineer issuing a certificate of Completion.

#### **43.0 Final account :**

- 43.1 The Contractor is to furnish to the Engineer a detailed account of the total amount which he considers is payable to him under the Contract before the end of the Defects Notice Period. The Engineer is to certify any final payment which is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Engineer is to issue a schedule which states the scope of the corrections or additions which are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Engineer is to decide on the amount payable to the Contractor.

#### **44.0 Remedies and Powers due to Default of Contractor:**

- 44.1 If the contractor shall become bankrupt or if the Engineer shall certify in writing to the Employer that in his opinion the contractor:

- a) has abandoned the contract, or
- b) without reasonable excuse has failed to commence the work or has suspended the progress of the works for twenty eight(28) days after receiving from the Engineer written notice to proceed, or
- c) has failed to remove materials from the Site or to pull down and replace work twenty eight(28) days after receiving from the Engineer written notice that the said materials or work had been condemned and rejected by the Engineer under these conditions, or
- d) despite previous warnings by the Engineer, in writing, is not executing the works in accordance with the contract, or is persistently or flagrantly neglecting to carry out his obligations under the Contract, or
- e) has to the detriment of good workmanship, or in defiance of the Engineer's instructions to the contrary, sublet any part of the contract, then all the events mentioned in this clause

54.1 shall for the avoidance of doubt be a breach of this contract and the Employer may, after giving fourteen(14) days notice to the contractor, enter upon the site and the works and expel the contractor there from without thereby voiding the contract, or releasing the Contractor from any of his obligations or liabilities under the contract, or affecting the rights and powers conferred on the Employer or the Engineer by the contract, and may himself complete the works or may employ any other contractor to complete the works. The Employer or such other contractor may use for such completion so much of the constructional plant, Temporary works and materials, which have been or are deemed to be reserved exclusively for the execution of works under the provisions of the contract, as he or they may think proper, and the Employer may, at any time sell any of the said constructional plant, Temporary works and unused materials and apply the proceeds of sale in or towards the satisfaction of any sums due or which may become due to him from the contractor under contract.

**45.0 Valuation at date of forfeiture:**

The Engineer shall as soon as may be practicable after any such entry and expulsion by the Employer, fix and determine ex-parte, or by or after reference to the parties, or such investigation or enquiries as he may think fit to make or institute, and shall certify what amount, if any, had at the time of such entry and expulsion been reasonably earned by or would reasonably accrue to the contractor in respect of work then actually done by him under the contract and the value of any of the said unused or partially used materials, any constructional plant and any Temporary works.

**46.0 Payment after forfeiture:**

If the Employer shall enter and expel the contractor under this clause, he shall not be liable to pay to the contractor any money on account of the contract until the expiration of the Defects Notice period and thereafter until the costs of execution and maintenance, damages for delay in completion, if any, and all other expenses incurred by the Employer have been ascertained and the amount thereof certified by the Engineer. The contractor shall then be entitled to receive only such sum or sums, if any as the Engineer may certify would have been payable to him upon due completion by him after deducting the said amount. If such amount shall exceed the sum which would have been payable to the contractor on due completion by him then the Contractor shall, upon demand pay to the Employer the amount of such excess and it shall be deemed a debt due by the contractor to the Employer and shall be recoverable accordingly.

**47.0 Property:**

47.1 All materials on the Site, Plant, and Equipment owned by the Contractor, Temporary Works and Works are deemed to be the Property of Employer and are at his disposal if the Contract is terminated because of a fundamental breach of Contract by the Contractor.

**48.0 Frustration:**

48.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor the Engineer is to certify that the Contract has been frustrated. The Contractor is to make the Site safe and stop work as quickly as possible after receiving this certificate and is to be paid for all work carried out before receiving it and for any work carried out afterwards to which he was committed.

### Section 3. Contract Data

Items marked "N/A" do not apply in this Contract

The following documents are also part of the Contract :

	<b>Clause Reference (Conditions of contract)</b>
*The Contractor's Bid and Letter of Acceptance	[1]
*The Conditions of Contract	[1]
*The Technical Specifications	
*The Drawings	
*The Program	[20]
*The Bill of Quantities	[28]
The Employer Is	: Cancer Hospital at Solferino, Vacoas, Mauritius under Ministry of Health Quality of Life, Government of Mauritius.
The Engineer is :	Dy. General Manger- or any other officer nominated from time to time by Chairman Cum Managing Director (CMD)/Director of HSCC (I) Ltd. Plot 6(A),Block-E, Sector-1,Noida, Distt. Gautam Budh Nagar, Uttar Pradesh- 201301.
*The Start Date is as notified in the letter of Acceptance	
*The Intended Completion Date for the whole Work is 03 calendar month from Date of start .	[13]
*The Contractor is to submit the program for the works within 15 days of being notified of the acceptance of his bid.	[20]
*The contractor is to submit the updated program at the interval of 15 days	[20.3]
*The Site is located at Cancer Hospital at Solferino, Vacoas, Mauritius	[ 1]
*The Defects liability/Notice Period is ONE YEAR	[26]
*The Defects Correction Period is 3 days.	[26,27]
*The language of the Contract is English	[3]
*The law which applies to the Contract is the law of the Union of India, Jurisdiction is High Court of Delhi only	[3]
*Arbitration procedure to be used shall be Arbitration and Conciliation Act 1996 or the latest amended.	[19]
*Appointing Authority for the arbitrator HSCC/Mauritius/Cancer Hospital/Fur/2019	[19]

\*Place where arbitration will take place: New Delhi. [19]

\*The currency of the contract is the Indian Rupees.

\*The proportion of payments retained is 5%. Limited to 5% of contract value. [37]

\*The liquidated damages for the whole of the work are 0.5% per week of delay. [38]

\*Maximum liquidated damages shall be 10% of the Contract price. [38]

\*The amounts and currencies of the performance guarantee are [39]

Amount : 5% of Contract price

Currency : Indian Rupees

**ANNEXURE - A**

**FORM OF AGREEMENT**

1. This Agreement made the \_\_\_\_ day of \_\_\_\_ 2019 between Cancer Hospital at Solferino, Vacoas, Mauritius (Ministry of Health Quality of Life, Government of Mauritius) ( hereinafter called "The Employer" ) represented by M/s HSCC (India) Limited, E-6(A), Sector - 1, Noida (UP) - 201301 who enters into this Agreement of the one part and M/s \_\_\_\_\_ (hereinafter called "the Contractor") of the other part.

1.1 Whereas the Employer is desirous that certain Works should be executed by the Contractor, viz  
**Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius ("the works")** and has accepted a bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

**Now this Agreement witnesseth of follows :**

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz :
  - (a) The Letter of Acceptance and Correspondences ;
  - (b) The said bid ;
  - (c) The Conditions of Contract ;
  - (d) The Specification ;
  - (e) The Drawings ;
  - (f) The Priced Bill of Quantities ;
  - (g) Any other relevant documents referred to this Agreement or in the aforementioned documents

3. In consideration of the payments to be made by the Employer to the Contractor as herein after mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein the Contract Price or only such sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof, the parties hereto have caused this Agreement to be executed the day and year first before written.

Signed, Sealed, and Delivered by the Said \_\_\_\_\_

Binding Signature of HSCC (I) Ltd on behalf of Employer Cancer Hospital at Solferino, Vacoas, Mauritius (Ministry of Health Quality of Life, Government of Mauritius)

Binding Signature of Contractor \_\_\_\_\_

in the presence of

Witness (1) :

Witness (2) :

**ANNEXURE - B**

**PROFORMA FOR PERFORMANCE BANK GUARANTEE  
(On a stamp paper of appropriate value from any Nationalized Bank or Scheduled Bank)**

To,

**HSCC (I) Ltd  
E-6A, Sector-1  
Noida-201301**

Dear Sir,

**In consideration of Cancer Hospital at Solferino, Vacoas, Mauritius (Ministry of Health Quality of Life, Government of Mauritius) ( hereinafter called Employer) which expression shall include his successor and assigns represented by his Consultant M/s. HSCC (I) Ltd., Plot - 6 (A), Block - E, Sector - I, Noida, Uttar Pradesh - 201 301 (hereinafter called HSCC) having awarded to M/s \_\_\_\_\_ (hereinafter referred to as the said Contractor or 'Contractor' which expression shall whenever the subject to context so permits include its successors and assigns) a contract No. \_\_\_\_\_ in terms inter alia, of the HSCC Letter No. \_\_\_\_\_ dated \_\_\_\_\_ and the General Conditions of Contract and upon the condition of the contractor's furnishing security for the performance of the contractor's obligations and discharge of the contractor's liability under and in connection with the said contract upto a sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) amounting to \_\_\_\_\_ percent of the total contract value.**

1. We, \_\_\_\_\_ (hereinafter called 'The Bank' which expression shall include its successors and assigns) having our branch office at \_\_\_\_\_ and Registered/Head Office at \_\_\_\_\_ a company registered under the Companies Act, 1956) hereby jointly and severally undertake to guarantee the payment to the Employer in rupees forthwith on demand in writing and without protest or demur or any and all moneys any wise payable by the contractor to the Employer under in respect of or in connection with the said contract inclusive of all the Employer's losses and damages and costs, (inclusive between attorney and client) charges and expenses and other moneys any wise payable in respect of the above as specified in any notice of demand made by the Employer to the Bank with reference to this guarantee upto an aggregate limit of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only).
2. We \_\_\_\_\_ Bank Ltd. further agree that The Employer shall be sole judge of and as to whether the said contractor has committed any breach or breaches of any of the terms and conditions of the said contract and the extent of loss, damage, cost, charges and expenses caused to or suffered by or that may be caused to or suffered by The Employer/ HSCC on account thereof and the decision of The Employer that the said Contractor has committed such breach or breaches and as to the amount or amounts of loss, damage, costs, charges and expenses caused to or suffered by The Employer from time to time shall be final and binding on us.
3. The Employer shall be at liberty without reference to the Bank and without affecting the full liability of the Bank hereunder to take any other security in respect of the Contractor's obligations and liabilities hereunder or to vary the contract or the work to be done thereunder vis-a-vis the Contractor or to grant time or indulgence to the Contractor or to reduce or to increase or otherwise vary the prices of the total contract value or to release or to forbear from enforcement of all or any of the security and/or any other security(ies) now



or hereafter held by The Employer and no such dealing(s) reduction(s) increase(s) or other indulgence(s) or arrangements with the Contractor or release or forbearance whatsoever shall absolve the bank of the full liability to The Employer hereunder or prejudice the rights of The Employer against the bank.

4. This guarantee shall not be determined or affected by the liquidation or winding up, dissolution, or change of constitution or insolvency of the Contractor but shall in all respects and for all purposes be binding and operative until payment of all monies payable to The Employer in terms thereof.
5. The bank hereby waives all rights at any time inconsistent with the terms of this guarantee and the obligations of the Bank in terms hereof shall not be any wise affected or suspended by reason of any dispute or disputes having been raised by the Contractor stopping or preventing or purporting to stop or prevent any payment by the Bank to The Employer in terms hereof.
6. The amount stated in any notice of demand addressed by The Employer to the Bank as liable to be paid to The Employer by the Contractor or as suffered or incurred by The Employer on account of any losses or damages or costs, charges and/or expenses shall be conclusive evidence of the amount so liable to be paid to The Employer or suffered or incurred by The Employer as the case may be and shall be payable by the Bank to The Employer in terms hereof.
7. This guarantee shall be a continuing guarantee and shall remain valid and irrevocable for all claims of The Employer and liabilities of the contractor arising up to and until midnight of\_\_\_\_\_.
8. This guarantee shall be in addition to any other guarantee or security whatsoever that The Employer may now or at any time any wise may have in relation to the Contractor's obligations/or liabilities under and/or in connection with the said contract, and The Employer shall have full authority to have recourse to or enforce this security in preference to any other guarantee or security which The Employer may have or obtain and no forbearance on the part of The Employer in enforcing or requiring enforcement of any other security shall have the effect of releasing the Bank from its full liability hereunder.
9. It shall not be necessary for The Employer to proceed against the said Contractor before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank notwithstanding that any security which The Employer may have obtained or obtain from the contractor shall at the time when proceedings are taken against the said bank hereunder be outstanding or unrealised.
10. We, the said Bank undertake not to revoke this guarantee during its currency except with the consent of The Employer in writing and agree that any change in the constitution of the said contractor or the said bank shall not discharge our liability hereunder.
11. We\_\_\_\_\_the said Bank further that we shall pay forthwith the amount stated in the notice of demand notwithstanding any dispute/difference pending between the parties before the arbitrator and/or that any dispute is being referred to arbitration.
12. Notwithstanding anything contained herein above, our liability under this guarantee shall be restricted to Rs.\_\_\_\_\_(Rupees\_\_\_\_\_) and this guarantee shall

remain in force till \_\_\_\_\_ and unless a claim is made on us within 3 months from that date, that is before \_\_\_\_\_ all the claims under this guarantee shall be forfeited and we shall be relieved of and discharged from our liabilities thereunder.

Dated \_\_\_\_\_ day of \_\_\_\_\_ 2019

For and on behalf of Bank.

Issued under seal :

**ANNEXURE -C**

**PROFORMA FOR BID SECURITY BANK GUARANTEE**

(To cover payment of Bid Security and Conditions of Contract)

(On a stamp paper of appropriate value from any Nationalised Bank or Scheduled Bank)

To  
**HSCC (I) Ltd**  
**E-6A,Sector-1**  
**Noida-201301**

Dear Sir,

In consideration of your agreeing to accept Bank Guarantee for Rs. ....  
(Rupees ..... ) in lieu of payment from M/s  
..... having its /their registered office at  
.....  
(hereinafter called the Bidder) towards Bid Security in respect of your Tender no. ....  
..... calling for Tender for .....  
at ..... and for due fulfilment of the terms and conditions of the said  
Tender, we hereby undertake and agree to indemnify and keep you indemnified to the extent of Rs  
..... (Rupees .....  
.....).

In the event of any loss or damages, costs, charges or expenses caused to or suffered by you by  
reason of any breach or non observance on the part of the Bidder of any terms and conditions of the  
said Tender, we shall on demand and without cavil or argument, and without reference to the  
Bidder, irrevocably and unconditionally pay you in full satisfaction of your demand the amounts  
claimed by you, provided that our liability under this guarantee shall not at any time exceed Rs  
.....  
(Rupees .....).

This guarantee herein contained shall remain in full force and till you finalise the Tender and select  
the Tender as per your choice and it shall in the event of the said Bidder being selected and  
entrusted with the said work, continue to be enforceable till the said Bidder executes the  
Agreement with you and commences the work as stipulated under the terms and conditions of the  
said Tender have been fully and properly carried out by the said Bidder and accordingly discharges  
the guarantee.

We also agree that your decision as to whether the Bidder has committed any breach or non  
observance of the terms and conditions of the said Tender shall be final and binding on us.  
We undertake to pay the Consultant any money so demanded by the Consultant notwithstanding  
any dispute or disputes raised by the Contractor(s) in any suit or proceedings pending before any  
Court or Tribunal relating thereto, our liability under this present being absolute and equivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment  
there under and the Contractor(s) shall have no claim against us for making such a payment.

This guarantee shall continue to be in full force and effect for a period of 180 days from the date of  
submission of Bid. Notwithstanding the above limitations, we shall honour and discharge the claims  
HSCC/Mauritius/Cancer Hospital/Fur/2019

preferred by you within thirty days of expiry of this guarantee.

We shall not revoke this guarantee during its currency except with your previous consent in writing. This guarantee shall not be affected by any change in Constitution of our bank or of the Bidder firm. Your neglect or forbearance in the enforcement of the payment of any money, the payment whereof is intended to be hereby secured or the giving of time for the payment hereto shall in no way relieve us our liability under this guarantee.

Dated this ..... day of ..... 2019

Yours faithfully,

For

Signature & seal of the Bank (Authorised Signatory)

**END OF VOL-II**

# **MINISTRY OF HEALTH & QUALITY OF LIFE GOVT. OF MAURITIUS**

**Tender**

**For**

Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius)

**Volume-III**

**Technical Specification**

**September' 2019**



**HSCC (INDIA) LTD**

**(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)**

**E-6(A), sector-1, NOIDA(U.P) 201301 (India)**

Phone: 0120-2542436-40

Fax : 0120-2542447

**PQ. Tender No. HSCC/Mauritius/Cancer Hospital/Fur/2019**

## **TECHNICAL SPECIFICATION FOR FURNITURE/FURNISHINGS FOR**

**Name of work:-**Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius)

Following Basic Material to be used in Office & Hospital furniture with prior approval of Client:

### **Material Requirements For All Revolving And Tubular Chairs:**

1. Cushion chairs are made out of flexible polyurethane foam molded to have Consistent hardness of 20-24 kg.
2. The polyurethane foam should be molded with density 45 +/- 2 kg/meter cube and hardness 20 +/- 2 kg on hampdness machine at 25% compression.
3. Armrest of chairs should be made out of integral skin polyurethane foam of shore hardness 'a' 50-70 and reinforced with ms steel insert except unless otherwise specified.
4. Gas lift mechanism for height adjustments tested for 100000 cycles of operation.
5. Chair base of the pedestal consists of 5 prongs made of 5 mm thick ms plates.
6. Plastic cladding is provided to make the pedestal look good aesthetically. The ms pedestal should be tested for load bearing.
7. Twin wheel castors are made of nylon and should be tested to carry a load upto 82 kgs on the chair.
8. All steel components should be powder coated conforming to :-
  - ❖ Dry film thickness more than 45 microns.
  - ❖ Salt spray test to withstand corrosion.
  - ❖ Adhesion as per din 53152 standards.s
  - ❖ Scratch hardness as per bs 3900/e2
  - ❖ Impact test.
  - ❖ Pencil scratch test

### **Mandatory Tests To be Done By Manufacturer on Chairs:**

- Seating Impact test.
- Arms Strength Test
- Back Durability Test.
- Castor/ Chair durability test.
- Base Test.
- Castor retention test.
- Castor Pull Out test.
- Castor Breakability Test.

### **Powder Coating Tests:**

All MS components shall be epoxy polyester powder coated using the seven chamber pretreatment process with the powder thickness greater than 40 microns Dry Film Thickness.

Tests to Be Carried Out on Powder Coating :-

- Cross Cut Test- To check Adhesion

- Impact Resistance Test – To 150 kgs/cm as per BS 3900/E3.
- Scratch Hardness- Upto 4 kgs as per BS 3900/E2.
- Salt Spray Test.

### **Anti Rust Treatment To Be Followed For All Metal Components :**

The manufacturer should have anti rust treatment facilities for treating all the metal components. The anti rust treatment shall consist of Removal of oil by treating metal Components with sodium carbonate and alkaline phosphate at 60 degrees centigrade followed by Rinsing with water at normal temperature. The rinsed components are to be dipped in phosphoric acid solution at 45 degrees centigrade for 10 minutes minimum for de-rusting followed by Rinsing. Components shall undergo phosphating by dipping in phosphating tank containing iron hydrogen phosphate dissolved in phosphoric acid at normal temperature for minimum 5 minutes followed by rinsing and finally Dipping components in chromic phosphatic acid reducing agent chemical at temperature of 80 degree centigrade(+/-10%) for minimum period of 60 seconds.

### **Specifications For Materials And Processes To Be Used On Furniture**

#### **Specifications For Steel Used In Chairs and Other Items :**

- Cold rolled steel for MS sheet shall have thickness ranging from 0.63mm to 1.2mm as per IS:513-1994.
- Hot rolled steel for MS sheet shall have thickness ranging from 2.5mm to 3.15mm as per IS:10748 Group I.
- MS ERW tubes used for tubular components should satisfy IS-7138.

#### **Specification For Fabric To Be Used For Upholstery :**

<b><u>Material Type</u></b>	<b><u>Description/ Selection Criterion</u></b>
100% Polyester, fiber dyed	For a Span of 1.2 Meters shall have weight 330-grams/ meters.
100% poly Propylene	For a Span of 1.2 Meters shall have weight 230-grams/ meters.

#### **Material Specifications :**

##### **1) Plain Particle Board (Medium Density) :**

Particle boards conforming to IS 2380(1977) with physical characteristics as under

Density	:	600 –900 kg per meter cube.
Moisture content	:	5.10%
Water absorption	:	2 hour test – max 15%
24 hour test – max		40%
Swelling in water	:	2 hour – max. 5% thickness
Swelling due to water absorption:		max 6%
Tensile strength perpendicular to surface	:	min 0.3 Newton per millimeter square.(for all thickness)
Tensile strength after cyclic test	:	min 0.3 N/mm square
Screw withdrawal strength on face	:	min 1250 N
Screw withdrawal strength on edge	:	min 850 N



## 2) Medium Density Fiber Boards :

Medium Density Fiber Board conforming to IS: 2380-1977 with following physical characteristics

Specific Gravity	:	0.5 to 0.9
Density	:	600 –900 kg per meter cube.
Moisture content	:	5 to 10%
Water absorption	:	2 hour test – max 7%
24 hour test – max 15%		
modules of rupture upto 20mm thick	:	min 30 N/mm square.
Modules of rupture above 20 mm thick:		min 25 N/mm square.
Linear expansion in thickness due to surface absorption	:	max 5%
Swelling due to general absorption after 24 hour soaking in		
Thickness	:	max 4%
Length	:	max 0.4%
Width	:	0.4 % min.
Tensile strength perpendicular to surface	:	0.7 N/mm square.(for all thickness)
Screw withdrawal strength on face	:	min 1500 N
Screw withdrawal strength on edge	:	min 1250 N

## 3) Pre Laminated And Twin Particle Boards :

Pre-laminated and twin particle boards as per IS:2380-1977.

Density	:	600 –900 kg per meter cube.
Moisture content	:	5 to 10%
Water absorption	:	2 hour test – max 15%
24 hour test – max 30%		
Swelling in water	:	2 hour – max. 8% in thickness
Modules of rupture	:	min. 15 N/mm square.
Tensile strength perpendicular to surface	:	min 0.5 N/mm square.(for all thickness)
Screw withdrawal strength on face	:	min 1550 N
Screw withdrawal strength on edge	:	min 850 N

The following characteristics are according to annexure of IS:128323-1990.

Resistance to steam- No sign of blister, delaminating or change in surface finish.

Resistance to crack – No sign of crack and delimitation.

Resistance to cigarette burn.

Resistance to stain.

Abrasion Resistance (min) in no of revolutions.

## 4) Post formed Laminate Sheets :

The pos formed (high pressure decorative laminate) one side bearing 0.6 or 0.8 mm thick decorative conform to NEMA specification- ANSI/NEMA/LD-3-1991.

The physical characteristics and test requirements are as per NEME-LD-3-1991.

Impact strength - Ball Impact resistance min 20"

Wear resistance - Min 400 cycles.

Gross dimensional change in machine direction - Max. 1.1%

Gross dimensional change in cross machine direction - 1.4% max.

High temperature resistance - slight effect is accepted on specimen at the final examination.

Stain resistance -No effect is acceptable on the specimen.  
Formability - Min radius 12.5mm.  
Blister Resistance - Min 40 Sec.  
Boiling water immersion test (2 hour test) as per IS:2046-1969.  
Increase in weight - Max. 30%.  
Increase in thickness - Max 30%.

## 5) Decorative Laminated Sheets :

Decorative thermosetting synthetic resin bonded laminated sheets are used in 1.0mm thickness and are of type 1 with having one side bearing the decorative surface. The finish, shade, color and pattern shall be mutually decided by the purchaser and supplier. Physical characteristics and test requirements are as per appendix of IS:1046-1969. Resistance to dry heat - no blistering or appreciable surface deterioration or loss of gloss. Dimensional stability in low humidity test at 70+/- 2deg C for 24 hours.- less than 0.5% in length and width dimensions.

Resistance to immersion in boiling water.

Increase in weight - max 5%  
Increase in thickness - max 5%

Resistance to staining for 24 hours with standing against agents specified in IS 2046-1969. specimen should not show blistering at the final examination. Cross breaking strength for 0.6mm thick—2000 kg per CM Square.

Cross breaking strength for 1.0 mm and 1.5mm thick - min 4000 kg per CM square.

Impact strength - min 0.035 kg fm

Machinery test - no Slitting or cracking.

## 6) Epoxy Powder Coating.

Epoxy powder used for coating shall be of a standard shade or as specified at the time of tender. The specific gravity of powder 1.6(+/-0.2) gives a DFT of 50-60 microns. Pencil Hardness of 2H; Cross hatch Adhesion (DIN 553151) or GT - 'O' gloss @ 60 DIN 67530 of 80 +/- 5% for all standard except black for which it shall be 45 +/-5 for black. The coating should be able to withstand min 500 hour of salt spray test. Impact resistance of 150kgcm.

The following IS will be followed for the following items :

- 1.) The grade IS : 513 will be followed in case of steel items. IS: 10748 the right classification Grade 1 shall be used. The steel tubes for furniture shall be as per IS: 7138.
  - 2). The powder coating thickness at P-2 is 45 micron & P-3 is 40 micron.
  - 3). The rated IS/International Standard nos. under which the respective tests are to be performed shall be used. The requisite values against which the test results will be compared for conformity.
  - 4). The "Consistent hardness shall be 20-24 kg" .
  - 5). For MDF boards, maximum water absorption after 2 hours soaking shall be 6% for grade I & II boards. All the required test as per IS code shall be carried out for MDF boards,
  - 6). Under decorative Laminated sheets (P-5) the IS 1046 shall be followed for cash boxes.
- If any differences is found between BOQ & Specification. The Specification will supersede over Bill of quantities items.

NOTE : Sizes in dimensions of all items may vary upto + or - 5%

## ITEM WISE SPECIFICATIONS ( All Images are Indicative Only)

### 1. 2 Door Personal Locker



Overall size of 2 - Door PLU + Lkr (Base) shall be 380mm(W)x450mm(D)x1830mm(H). Stackability shall have add - on units that can be stacked width wise to form bank of lockers having common side panel. Locking shall have 10 Lever cam lock with lock lever plus option of hasp arrangement . Material shall be CRCA 0.6 mm thickness . Construction shall be Rigid Knockdown construction , shelf shall be uniformly distributed load capacity per each shelf level is 35 Kg maximum . Finish shall be epoxy polyester powder coated to the thickness of 50 microns . Handle/Label holder shall be Aesthetically appealing Snap fit ABS plastic handle . Ventilation shall be attractive punched pattern for ventilation . 1 Hanging rod in both compartment .

### 2. 4 Seater Dining Table



4 Seater PU Coated size shall be 1135 Width mm x 1175 Depth mm x 750 Height mm . Top shall be 25 mm thick base material shall be 25 mm MDF board . On top PU painting of minimum 2H hardness with 75% glass as per color chart .Combination color graphics on the centre . Brown Laminate on bottom specially profiled edges for comfort . The Understructure shall be having bend pipe structure of MS powder coated . Pipe dia 38 mm , 2 mm thick and it shall be fitted with top by SS machine screws . Legs shall be of MS powder coated and 38 mm dia. pipe legs are fixed with inderstructure and table top . Glide shall be of Plastic fixed at the understructure to prevent the damage of table top during stacking .

### 3. Three Seater Waiting Chair



The seat and back to be made up of high density Polyurethane (PU) Foam reinforced with 3 mm MS perforated sheet insert. The PU Foam having density of 680 +/- 10 Kg/m<sup>3</sup> with hardness of 55 +/-5. Seat Size :52.0 cm (W) X 46.5 cm (D). Back Size : 52.0 cm (W) X 51.5 cm (H). Cross Beam made up of black powder coated MS ERW square tube of size 6.0+/- 0.05cm X 6.0+/- 0.05cm X 0.018+/-0.016 cm thick fitted with polypropylene end caps. Legs & Armrest made up of powder coated High pressure Aluminium Die cast. Legs are fitted with Soft grip PVC level adjusting shoes.

#### 4. Almirah



Almira shall have an overall size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The Storwel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available.

#### 5. Attendant Stool



Overall Sizes Diagonal Leg Dia 538 mm H470 min-655maxSS 202 made sheet with spin section of thickness 1mm & should be non corrosive. It should have a diameter of 305mm, seat base is made of MS ring and rectangular tube. EN8 Screw having dia of 22 mm should be used for height adjustment of the seat base. The hub should be made of MS ERW tube having dia of 38mm and thickness 2 mm. The Hub should be welded with the legs and it should accommodate and cover the lead screw mechanism. The understructure should consist of 4 legs made up of MS ERW tube of diameter 25.4 mm and 1.6mm thick. The press formed pipe leg should give a round & clean look. All the legs should be provided with 4 nos of Nylon-6 bush. All metal components should be pre treated with zinc phosphating in 9 tank

porcess and then powder coated with anti microbial epoxy polyster powder coating to fulfill the requirements for bacterial protection against at least 2 commonly found bacteria in Hospital environment [Gram positive and Gram Negative].Safe working load must be 135kg

#### 6. Consultant Chair.



The seat & back is made up of  $1.2 \pm 0.1$ cm thk. hot pressed plywood upholstered with synthetic leather over moulded High Resilience Polyurethane foam. Size of back shall be 51.8 cm. (W) x 75.2 cm. (H) & size of Seat Shall be 49.0 cm. (W) x 51.4 cm. (D) High Resilience (HR) foam should be used in making seat & back which shall be moulded with density  $55 \pm 2$  kg/m<sup>3</sup> and hardness  $16 \pm 2$  kgf as per IS:7888 for 25% compression. the Back can be adjusted in 5 positions by manually. Stroke of height adjustable spine is 7 cm. Back height adjustability is applicable for Mid back chair. The adjustable armrest is designed Up-Down adjustment- 8 steps ( $8.0 \pm 0.5$ cm range). Height adjustable armrest structure which is chrome plated & fitted with an armrest top. Fixed Armrest Top is PU moulded over metal insert. Front Pivot Synchro Mechanism of the Chair is adjustable tilting mechanism is designed with 360° revolving type. Single point control. Front-pivot for tilt with feet resting on ground ensuring more comfort. Tilt tension adjustment. 4-position locking with anti-shock feature. Seat/back tilting ratio of 1:2. The pneumatic height adjustment has an adjustment stroke of  $10.0 \pm 0.3$  cm. The pedestal is High Pressure Die cast polished Aluminium and fitted with 5 nos. twin wheel castors. The pedestal is  $65.0 \pm 0.5$ cm. pitch-center dia. ( $75.0 \pm 1.0$ cm. With castors.). The twin wheel castors are injection moulded in black PP. The tubular frame is powder coated ( DFT 40-60 microns ) cantilever structure & made of Dia.  $\varnothing 2.54 \pm 0.03$ cm. x  $0.2 \pm 0.016$ cm.thk. M.S. E.R.W. Tube with a connecting M.S. Spine welded to it. Back spine is fitted to the frame assembly. Seat can be slide horizontally as per user convenience. Stroke of seat slide is 5 cm. This option is available for revolving pedestal type of chair.

#### 7. Consultant Visitor Chair



The seat & back is made up of  $1.2 \pm 0.1$ cm thk. hot pressed plywood upholstered with synthetic

leather over moulded High Resilience Polyurethane foam.

WIDTH (W) : 57.5 CM

DEPTH (D) : 58.2 CM

HEIGHT (H) : 100.8 CM

SEAT HEIGHT (SH) : 47.0 CM.

Fixed Armrest Top is PU moulded over metal insert.

The tubular frame is powder coated.

M.S. E.R.W. Tube with a connecting M.S. Spine welded

## 8. Bed Side Locker



Overall dimension of the locker should be 490(l) x 410 (w) x 941(h) (all in mm)

Top should be made of ABS cover & should have minimum thickness of 2.2mm. Top should have recessed and contoured shaped for better usability.

Plastic molded knob should be provided on the drawers and Cabinet for easy opening.

50mm dia plastic molded castor placed in front.

Cabinet and drawer should be made of CRCA sheet of thickness 0.8mm. Cabinet should be provided with lock.

Telescopic ball slides should be used for easy smooth operation of the drawer.

Corner tubes should be made of MS ERW tubes of dia 25.4 mm x 1.2mm.

Locker should be Anti microbial and thermosetting epoxy polyester powder coated for bacterial protection.

## 9. Mid Back Chair.



The seat and back shall be made up of 1.2 ±0.1cm. thick hot-pressed plywood and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam shall be designed with contoured lumbar support for extra comfort. The seat shall be extra thick foam on front edge to give comfort to popliteal area. The dimensions of back shall be 47.5 cm(W) x 58.0 cm(H) and of seat shall be 47.0 cm (W) x 48.0 cm (D). The HR polyurethane foam shall be moulded with density= 45±2 kg/m<sup>3</sup> and hardness load 16 ± 2 kgf

as. per IS:7888 for 25% compression. The one-piece armrests shall be injection moulded from black Co.polymer Polypropylene. The mechanism shall be designed with 360° revolving type, Upright-position locking, Tilt tension adjustment, Seat/back tilting ratio of 1:3. The pneumatic height adjustment shall has an adjustment stroke of  $12.0 \pm 0.3$ cm. The bellow shall be 3 piece telescopic type and injection moulded in black Polypropylene. The pedestal shall be injection moulded in black 33%

glass-filled Nylon-66 and fitted with 5 nos. twin wheel castors. The pedestal shall be  $66.3 \pm 0.5$ cm. pitch-center dia. ( $76.3 \pm 1.0$ cm with castors). The twin wheel castors shall be injection moulded in Black Nylon. Overall Dimensions of Chair shall be Seat Height - min 42.5 to max 54.5cm, Height - min85.5 to max 97.5cm, Width & Depth of Chair as measured from pedestal - Width-76.3 cm and Depth-76.3 cm.

#### 10. Visitor Chair



The seat and back shall be made up of  $1.2 \pm 0.1$ cm. thick hot-pressed plywood and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam shall be designed with contoured lumbar support for extra comfort. The seat shall be extra thick foam on front edge to give comfort to popliteal area. The dimensions of back shall be 47.5 cm(W) x 58.0 cm(H) and of seat shall be 47.0 cm (W) x 48.0 cm (D). The HR polyurethane foam shall be moulded with density=  $45 \pm 2$  kg/m<sup>3</sup> and hardness load  $16 \pm 2$  kgf as. per IS:7888 for 25% compression. The one-piece armrests shall be injection moulded from black Co.polymer Polypropylene. Overall Dimensions of Chair shall be Seat Height - 46.5cm, Height - 89.5cm, Width & Depth of Chair as measured from pedestal - Width-61.4 cm and Depth-64.5 cm.

#### 11. Fully Motorised Bed



Fully automatic wire remote control Intensive care unit bed with back rest up down, knee rest up-down, trendelenburg and reverse trendelenburg, hi-low position controlled through

noiseless electro mechanical actuators operated by soft touch attendant( nurses')control panel. The overall dimension should be 2206 mm (L)x 1010mm(W)x Height adjusted from 450 mm to 825 mm without mattress. Base frame should made of 30mmx 60mm 2mm thick CRCA rectangular tube with the bed frame of 50x 25mm and 40 x20mm, 2mm thick rectangular tube. bed should have four section lying surface with ABS vacuum form with antimicrobial property which should be easily removable, washable to maintain hygiene with integrated mattress retainer. The bed should have four numbers of pp moulded side board with drop down mechanism, completely collapsible to maintain zero transfer gap.

There should be 4 nos of bumpers given at the four corners made up of neoprene with excellent shock absorbing property. In order to achieve the Deep vein Thrombosis (DVT) position, the lower leg rest portion of the bed frame should have the provision of a ms zinc plated ratchet. The ratchet should be adjustable in eight different positions. The back rest, Knee rest, TR & ATR positions should be operated upto 70 degree, 24 degree and 15 degree respectively. (Should work in all operating heights) The head board and leg board should be with 3mm wall thickness. The head board, leg board & side boards should have provision for color stickers & made of moulded pp with antibacterial additives. Both the head & leg board should be removable without locking mechanism for ease of use during emergency. There should be four nos of nylon moulded patient lifting pole holders and saline stand holders provided at the four corners of the bed . The bed should be provided with 125mm plastic injection moulded twin wheel castors with central and directional locking facility . The castors should be provided with MS round tube made auxiliary brake.

It should have accessories like urine bag holders; ms chrome plated linen tray and provision for bed extension upto 180mm. The bed should have provision for front loading medium sized ms made oxygen cylinder cage. The unit should have the total load bearing capacity of 300kg with patient load bearing capacity of 135kg.17. The unit should work on power input of 230v +/- 15% and 50-60 HZ as appropriate fitted with Indian plug. All the MS parts should be treated with nine tank pre-treatment procedure with zinc phosphate and powder coated with antimicrobial and thermosetting epoxy polyester to control the bacterial growth.. Bed should be provided with telescopic IV pole. This SS made IV pole should be of MS frame and SS made saline stand which can be fitted on the bed. The bed should be provided with 40 density 100 mm thick PU foam mattress which should be covered by heavy helium material which is water proof, flame retardant, vapour & X-ray permeable. The zip & stiches for the mattress cover should be concealed. The bed should compliant with IEC 60602-52 standards and compliant with current protection level of class 1 and shock protection level of Class B. All the electrical parts should have the liquid ingress protection as per IPX4.

## 12. Crash Cart





overall dimension of L 855 W 405 H 1520 mm . SS 304 grade made top sheet with 2mm thickness should be used. Middle & bottom sheet should be used made of SS 304 grade with thickness 1mm. SS 304 grade frame bar with section of 25.4, 19, 1.2 & 16mm should be used. MS plated Cylinder case should be used welded with cylinder holding unit to hook giving the curve bend at the bottom to hold the cylinder. SS 304 grade pipe of section 12mm should be used to provide provision to mount IV rod. High endurance anti static, plastic injected molded 4 swivel castors of dia 125mm should be used & should have provision for diagonal locking. SS 304 handle pipe should have section of 25.4mm with length of 365mm & should have thickness of 1.2mm giving a glossy finish. SS 304 tubular frame should have five different colored removable bins mounted on top shelf and two polystyrene lockable storage units with three drawers each. The top drawers should have containers of different sizes. Thermosetting epoxy polyester with semi gloss finish powder coating must be used. Safe working load must be 30kgs.

### 13. Examination Couch



Overall Sizes (L)1957mm X (W)625 mm X (H)808. It has gas-lift assisted head rest with continuous adjustment from 0° to 30°.The design focuses on ease of operation, hygiene, doctor and patient ergonomics, and aesthetics. Homogeneous soft forms with rounded edges evoke feeling of comfort and safety. Lying surface overall dimension 625 mm x 65 mm, Mattress and Upholstery is to be made with PU molded foam with density 50-55, 23 mm thick. Mattress is to be projecting out from the understructure to provide soft touch from all sides. Seamless upholstery is to be provided to avoid spread of bacteria Head rest overall dimension is 625 mm x 497 mm made of PU molded foam with 50 -55 density and 23 mm thick. Understructure is to be made of MS square tubes with unique styling that provides better strength and stability. It is to be provided to reduce the visual clutter and offers better access and reach. BP Apparatus tray: CRCA sheet construction with SS handle and SS hinge Dia 10 for handle. Sheet thickness 1.2 ,0.8 and 0.6. swivel tray is to be designed for BP Apparatus that should be concealed when not in use SS Handle: SS 202 Dia 10 - Aesthetically designed handles are placed in such a way that to give a unique look also provide wider space for gripping to users. Ergonomics: Increased width of the table (625mm) to give better comfort for patients. Optimized height (808mm) of the table for comfortable observation and reach. Tapered shape is to be provided to give a unique look and better access for doctor. L-shape leg is to be provided for better stability. Single Step stool is to be made of ERW square tube. Textured and Rubber mat is to be provided, of 20mm X 20mm size. Tube 1.2 mm thick and mat 3.0 mm thick Size:485(L) x 335 (W) X 210 (H) Step stool is to be made of MS square tubes, is to be strong and firm. Top is to be made of textured rubber offering firm grip for climbing There should be a ss 304 ERW tube of 12.7 mm dia and 1.2mm thick is to be provided at the back of the back rest section to mount tissue roll which should be used as tissue roll holder. Powder coating is to be Bacterio static and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection. Maximum patient load is to be 135 kg. Head Rest is to be adjustable 0 - 30°.BP Apparatus tray is to be provided to Swivel

angle 0 to 180 deg. Approx. To ensure good quality welding " Co2 Argon" process should be adhered to. All metal components should be pre treated with zinc phosphating in 9 tank process and then powder coated with anti microbial epoxy polyester powder coating to fulfill the requirements for bacterial protection. goods should be supplied in knocked down construction to reduce carbon emission. proof loading test , cycle tests , impact test. The manufacturer should be compliant with ISO 9001, 14001, OHSAS 1800 and CE certification.

#### 14. Consultant Table with Side Unit



Height (ERU).Top shall be of 18 mm thickness made of PLT board with 2 mm Edge banding. Wenge and savannah Maple PLT board shall be used. The Understructure shall be in pre-laminated panels made with PLT boards . 2- Drawer and 3 - Drawer storage units with different combinations to support tops made with 18 mm PLT boards of different colours. Modesty and back panels made with 18 mm PLT boards. The pedestals / storages shall be fitted with necessary locks.

#### 15. Dressing Trolley



SS 304 sheet should be used at top for the placement of the instruments being used & also for easy portability.SS 304 sheet should be at the top as well as bottom shelf for keeping the instrument being used. Horizontal bars should be welded with legs to provide protection at sides with supporting legs for sturdy structure. Castors of 125mm Dia. should be used for easy in movement. Spin section should be provided to the bowl giving a aesthetic look & also bucket should be provided with removable lid & a handle to lift the bucket. Overall Dimension must be 1232mm X 531mm X 915mm H. Maximum safe working load must be 40kg.

#### 16. Over Bed Table



Overall Sizes(L)899 mm X ( W)555 mm X (H) Adjustable from 970 mm to 1170 mm OBT should be a height adjustable Over Bed Table. Table top Height can be adjusted with the help of operating lever and with help of plastic gear which is smooth and noise less. Base frame should be made of ERW Round Tubes and Oval Tubes Housing should be made of ERW Round Tubes Operating lever Handle : Plastic injection molded lever handle with SS rod insert making strong and provides the wider area for the grip Telescopic column with lead screw on Crank for smooth height adjustment of table top height. Table top frame should be made of MS tube 1.2 mm thickness, should be designed to hold the top as well as extension works as a handle for the handling of over bed table. Top: MDF top with membrane press , should give anti scratch Property with good surface finish. Also Glass Holder profiling should be provided on to it. Castors: High endurance anti-static, Plastic injection molded castors are provided of Ø50mm Powder coating should be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection. All powder coated parts in RAL white. Plastic parts in Grey Max Safe Working Load: 20 kg UDL The manufacturer should compliant with ISO 9001, 14001, 13485 & OHSAS 1800 and CE certification. goods should be supplied in knocked down construction to reduce carbon emission.

#### 17. Sofa 2 Seater



SEAT FOAM: The seat is made of PU foam with Density  $28 \pm 2$  kg/cu.mtr having an additional top layer of super soft PU foam in Density  $32 \pm 2$  kg/cu. upholstered with fabric or leatherette. 2) BACK FOAM: The back is made of PU foam with Density  $28 \pm 2$  kg/cu. mtr with two additional top layer of supersoft foam of density  $32 \pm 2$  kg/cu. mtr, upholstered with fabric or leatherette .3) UNDERSTRUCTRE : Understructure is made up of  $1.2 \pm 0.1$  cm. thick hot pressed plywood ( moisture resistance & termite proof as per IS: 303) & pinewood of cross section devoid of major knots & surface defects 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over understructure for cushioning purpose 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over understructure for cushioning purpose. 4) LEG ASSEMBLY: It is a welded assembly made in Stainless steel (grade SS 202) tube & plate with plastic endcap. (W) 146.0\* (D) 90.5(H) 85.5 cm seat (H) 45.0 cm

#### 18. Sofa 3 Seater



1) SEAT FOAM: The seat is made of PU foam with Density  $28 \pm 2$  kg/cu .mtr having an additional top layer of super soft PU foam in Density  $32 \pm 2$  kg/cu. upholstered with fabric or leatherette. 2) BACK FOAM: The back is made of PU foam with Density  $28 \pm 2$  kg/cu. mtr with two additional top layer of super soft foam of density  $32 \pm 2$  kg/cu. mtr, upholstered with fabric or leatherette .3) UNDERSTRUCTRE : Understructure is made up of  $1.2 \pm 0.1$  cm. thick hot pressed plywood ( moisture resistance & termite proof as per IS: 303) & pinewood of cross section devoid of major knots & surface defects 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over understructure for cushioning purpose 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over understructure for cushioning purpose. 4) LEG ASSEMBLY: It is a welded assembly made in Stainless steel (grade SS 202) tube & plate with plastic end cap. (W) 206.0\* (D) 90.5(H) 85.5 cm seat (H) 45.0 cm

#### 19. Semi Motorised Bed



Five function ICU bed should have height, Back rest, Knee rest & auto -contour chair position controlled through noise less electro mechanical 3 nos actuators operated by soft touch control panel(handset). 3 function motorized and 2 function manually operated Trendelenburg & Reverse Trendelenburg (manual operated) mechanism is made of linkages which are made by HR MS flat of size 40mmW x 10mm thick.

Overall Size should be L 2312 X W (900)mm to W1060mm X (H) Adjustable from 490mm to 770 mm. Back rest angular movement 70 deg, knee rest 25 deg, TR 10 deg and ATR 8 deg. Safe working load should be 200 kgs. Bed frame should be made of MS ERW oval shaped tube of size 30mmx60mm of 1.6mm thick. . All corners of bed frame are provided with bumper mounting holders and it should have provision 4iv pole holders & 2 patient lifting pole holders. It is strengthened by rectangular pipe section of size 60mmx30 mm having 1.6 mm thickness. Lying surface should be made of CRCA sheet of thickness of 1.2mm thick. This lying surface should have 4 sections for bed profiling i.e. back adjustment, fixed pelvic section, upper and lower leg adjustment. Mattress platform is provided with 5 nos mattress retainers. Lower leg rest section is provided with Ratchet for leg rest adjustment. Mattress platform is strengthened by tubular frame of size 25.4mm dia x 1.6mm thickness. It should be strengthened by trapezoidal contour (rounded corner), embossed cut out. All metal

components should be pre- treated with zinc phosphate and then powder coated with anti- microbial epoxy polyester powder coating. All mechanism should be operated with the help of lead screws and crank. Lead screws should be made from EN8 and ACME threads roll formed. It should be functioning on the basis of Synchronised Linear Roller Mechanism (SLRM). SLRM is assisted by tension spring covered with telescopic tube with plastic end gaps. The function is operated with the help of ergonomically designed dedicated handle, which are made of metal inserted PP co polymer; it should be snap locked when not in use. All the four handles should be provided operating guidance stickers Head & Foot board should be made of blow moulded Poly propylene with anti- microbial additives. Head board and foot board should be with metal inserts to mound it on bed frame. Removable PP head board and foot board should have cut out, for better gripping. The boards should have provision to paste colour stickers. The stickers should make of PP material and pasted with 3M adhesive. The side rails should be MS. Bed should be provided with high end 125 mm non marking Steinco castors which should be lockable diagonally.

There should infusion pole holder with ht adjustable ss made telescopic infusion pole with two hooks to mount saline bags. The fixed pole should be 31.75 dia and the adjustable pole should be 16 mm dia with 1.6 mm thick. Bed should be provided with 8 mm diam urine bag holder on both the side. Bed should have 4 nos Neoprene made bumpers for Excellent Shock absorbing property. There should be two nos of glass filled Nylon made CPR lever given to at the both side of the bed to make quick release of the back rest. The unit should work on 230v +/- 15%, with 30 time battery back up after fully charged. All the electronic devices should be as per IP X4 rating and class 1 type. The bed should be provided with 40 density 100 mm thick 4 sections PU foam mattress which should be covered by heavy helium material which is water proof, flame retardant, vapour & X-ray permeable. The zip & stiches for the mattress cover should be concealed. All the MS parts should be treated with nine tank pre-treatment procedure with zinc phosphate and powder coated with antimicrobial and thermosetting epoxy polyester to control the bacterial growth. The welding should be done by co2-argon welding and there should be Synergy coat on the welded areas to minimize early rusting.

## 20. Stretcher



overall dimensions 2005mm(L)X666mm(W)X827mm(H) The trolley should be made of 31.75 and 25.4 mm dia 1.6 mm thick ERW tube. holder for stretcher should be made up of mild steel Castor should be of 200 mm dia , diagonal locking castor. stretcher should be made up of ERW tube of dia 25.4 mm and thickness 1.6 mm Top sheet should be made of CRCA sheet of thickness 1.2 mm with contour shape to accommodate patient. IV pole holder should be made of MS Maximum safe work load should be 135 kg To ensure good quality welding " Co2 Argon" process should be adhered to. All metal components should be pre treated with zinc phosphating in 9 tank process and then powder coated with anti microbial epoxy polyester powder coating. goods should be supplied in knocked down construction to reduce carbon emission. proof loading test , cycle tests , impact test, salt spray test, castor break test,

The manufacturer should be compliant with ISO 9001, 14001, 13485, OHSAS 1800 and CE certification.

### 21. Cafeteria Chair



The Seat and back are made up of injection moulded high impact strength polypropylene polymer compound with indoor grade UV resistance. Seat Size: 52.5cm(W)X53.2cm(D). Back Size: 51.6 cm(W)X40.5cm(H). MS powder coated understructure made from MS ERW tube. Shoe made of high strength polypropylene polymer compound with indoor grade UV resistance and pressed fitted with tubular frame.

### 22. Wheel Chair.



Folding Wheelchair

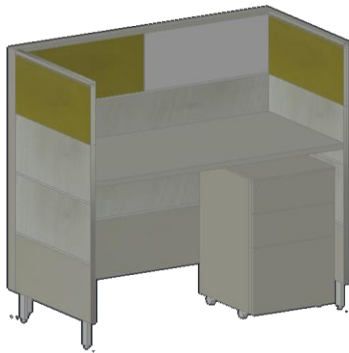
Wheel Chair: (L) 790 x (W) 600 x (H) 870mm. Foldable frame structure should be made of section 22 dia x 1.2mm A3 carbon steel with chrome finish. Cross bar should be made of A3 carbon steel with section 25.4 x 1.2mm. Rear Wheel: 24 inch Solid mag wheels with alloy in the rim. Integrated hand rim provide to drive the wheel chair of section 16x1.2mm A3 carbon steel with chrome finish. Front Wheel: 8 inch HUB made of PA polymer and outer with solid rubber. PU molded arm rest & base should be made of ABS for better arm support. Leatherite strap for calf rest & leatherite cushion for seat. Adjustable all minimum die cast foot rest with updown & swivel type mechanism. Handles should be made of moulded rubber grip to push the wheelchair. Hand brakes should be provided to lock the wheelchair at desired location. Foot Press Extended base with molded plastic for better grip. Anti rust chrome finish. safe work load of 100 Kg

### 23. Work Table



table size shall be 1200 Width x 600 Depth x 740 Height . The top shall be made from 25 mm thick pre- laminated board . All the edges are sealed with 2 mm thick PVC edge band all around . Side panels shall be made from 25 mm thick pre- laminated particle board . All the edges are sealed with 2 mm thick PVC edge band on the user side and 0.8 mm on the top and bottom side .The side panels have 2 glide screws each for levelling of the desk. Modesty panel shall be made from 18 mm thick pre- laminated particle board . All the edges are sealed with 0.8 mm thick PVC edge band all around. Freestanding Pedestal shall be made from 18 mm pre- laminated particle board with a combination of 2 mm and 0.8 mm PVC edge band on all the exposed surfaces as per requirement . The drawers are provided with suitable slides for smooth operation . All the pedestal drawers are centrally locked with a single key .

#### 24 Work Station (1500mmx 1500mm)



WORKSTATIONS-1500 X 1500, Providing and placing panel & tile based modular workstation, with partition thickness as 52 mm to 55 mm thick and ht - 1200 including powder coated aluminum trims. Tiles: Top Tile to be Fabric and White Board. Bottom tiles - Plain metal.

INTERMEDIATE BLOCKS Intermediate blocks are given in DL finish.

Wire Management - Wires shall be taken into the system through cable ducts from the junction boxes and it is carried up to the panels through concealed conduits inside the blocks.

Side panels or legs - out of 25 mm thick prelam particle board with flat pvc lipping edge banding considered only on the open end conditions or metal powder coated legs at the end and shared condition. System shall also have 120 mm high powder coated standalone panel legs to give the system an elevated look.

Work surface - out of 25 mm thick prelam particle board with flat pvc lipping edge banding  
Pedestals with or without legs - pedestal flat metal front, full ht free standing central locking of size 390 mm w x 435 mm d x 646 mm ht 3dr = 2box+1file.

CPU trolley - with castors.

KBPT - plastic.

Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring.

#### 25. Book Rack



Overall Dimensions of Single Sided Steel Book Rack Base Unit shall be 900mm(W)x316mm(D)x1850mm(H). Rigid Knockdown Construction, Material used shall be CRCA 0.8 mm thick. The Stackability shall be add-on units can be stacked width wise to form a bank of racks having common side panel. Number of adjustable shelf shall be five with six loading levels. Uniformly distributed load capacity per each shelf is 80 kg maximum. Shelf back stiffener at the rear end of the shelves shall be provided. These are to support books on the rear side. Label holder & range indicator on each main unit for inserting labels.

## 26. Book Case



4 Door Book Case shall have the configuration of 914mm(W)x320mm(D)x1742mm(H). The unique design provides the right rigidity to the Top hinged doors, which shall facilitate easy use. The Book Case shall be made from prime quality CRCA steel with anti rusting treatment. It shall have a Rigid Knock Down Construction. The Top Panel, Back Panel and Side Panel are made from 0.7mm high yield CRCA and other components from 0.8mm CRCA. Each door shall have a 6 Lever Cam Lock with Common Key. 3mm thick glass should be used in each door for clear inside vision which shall be secured in a metal frame through a rubber gasket. Scissor Mechanism should be provided in each door for receding inside the top of every



compartment and it shall ensure parallel and smooth movement. Each door should be provided with plastic side end caps as handle which is easy to grip. Each compartment shall have a storage shelf with a UDL capacity of max 80 Kg. The 2 Door Book Case shall have 18mm PLB Top straight edge with PVC lipping. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10).

#### 27. Conference Table (20 Seater)



Conference Table With Wire Manager size shall be Single seater 760 Width mm x 600 Depth mm , Two seater 1360 Width mm x 600 Depth mm , Half Round (2 Seater ) R 713 + Quarter Round ( 1 Seater ) R 713 . The top shall be 31.6 mm thick (18 mm + 12 mm + 0.6 mm DL ( both sides ) + 0.4 mm Membrane ) Edge Profile shall be waterfall edge 10 mm radius on top edge and 5 mm at bottom . In Understructure the Legs shall be made from 25 mm PPB having a straight profile with half round edges and clad with 0.6 mm thick post Forming laminate . Overall thickness of leg shall be 26.2 mm The modesty panel in understructure shall be mae from PLT ( Pre laminated twin) boards of 18 mm thick . There shall be Wire Management wire carrier shall be made from 0.6 mm thick CRCA painted and carrier cover shall be made of 12 mm thick MDF painted all over.

#### 28 MS. Table



The Main table shall be of size 1800 Width mm x 900 mm Depth x 750 mm height. Top surface of the table shall made up of MDF (Medium density fibre ) board duly finished with Veneer and final coating of PU. The Main desk should contain in built key board pull out tray for keeping keyboard of computer. The front modesty panel of the table shall be made up of MDF board of size 1640 mm x 600 mm x 16mm which shall also be duly finished with Veener and PU coating. For personal storage one mobile pedestal (3 drawer unit) shall be provided of size 510 mm Width x 635 mm Height and 445 mm Depth. The storage pedestal shall also be made up of MDF duly finished with veener & final coating of PU. The Side shall be of size

1200mm Width x 445mm Depth x 660 mm Height. The side unit shall be made up of MDF board duly finished with Veneer and final finish by PU Coating. The design of the side unit shall be such that it can be placed on either side of the main table. The side unit shall contain open space for keeping cpu in extreme right side, one closed storage shutter at extreme left end & open space in the middle with one shelf for keeping files. The thickness of the top of the side unit shall be 25mm. The Size of the Back unit shall be 2215mm width x 410 mm Depth x 2000mm height. The back unit shall be made up of MDF board duly finished with veneer & final finish by PU coating. Below storage shall be provided with wooden shutters & the upper left & right side of the back unit shall also be provided with wooden shutters. The middle 3 door shutters should be of glass of minimum 5mm thick for display purpose. The hardness of the PU coating shall be 1.5H

### 29. Library Table



Size shall be 1800 Width mm x 900 Depth mm x 740 Height mm . The top shall be 25 mm thick PLB with 2 mm thick PVC Edge Beading plus the Understructure shall be having C - Frames 1.6 mm thick MS supporting the top . The Legs shall be of dia. 38.1 x 1.6 mm thick MS ERW tube .

### 30 Instrument Cabinet



overall dimensions of 900mmWx 1990mmHx450mmD and should have transparent doors and sides with steel frame work. Transparent portion of this cupboard should be made of Acrylic of 4mm thick. This cabinet should have 5 adjustable acrylic shelves each of 6 mm thickness. Three way lock should be provided of 6 levers. In the front door there should be 4 acrylic sheets and 2 each on both the sides. Metal used should be of CRCA and powder coated for finish. To be provided with rubber shoes to prevent direct contact of cabinet and floor.

### 31. Conference Room Chair



The seat shall be made up of 1.2+/-0.1cm thick hot pressed plywood measured as per QA method described in OCP-QLTA-P14-18 and upholstered with fabric or synthetic leather and moulded polyurethane foam. The back shall be made up 1.2+/-0.1cm thick hot pressed plywood upholstered with replaceable fabric or synthetic leather upholstery covers and moulded polyurethane foam. The moulded polyurethane foam shall be of density 45+/-2kg/m<sup>3</sup>, and hardness load 16+/-2kgf as per IS:7888 for 25% compression. The dimensions of seat shall be- 51.0cm(W) x 48.0cm(D) and of back shall be 48.0cm(W) x 76.0cm(H). The armrest top shall be made of moulded polyurethane and mounted on to a fixed type M.S tubular armrest support chrome plated. The Arm support has static vertical adjustment of +/-1.5+/-0.05cm. The mechanism of the chair shall have following features : 360<sup>0</sup> revolving type, Front pivot synchro mechanism, Tilt tension adjustment, Single point control, 4 position locking with anti shock feature, Seat/Back tilting ratio of 1:2. The backrest shall consist of a fixed type mechanism i.e no back up/down adjustment. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 +/- 0.3 cm. The pedestal shall be fabricated from 0.2+/-0.02cm thick HR sheet, chrome plated and assembled with injection moulded black polypropylene hub cap. The size of the pedestal shall be 66.0+/- 0.5 cm pitch-centre-dia (76.0 +/- 1.0 cm with castors). The twin wheel castors shall be made black nylon. Overall dimensions of Chair shall be, Width of Chair - 76.0cm, Depth of Chair - 76.0cm as measured from pedestal below. Height from ground - min 102.5 to max 111.5cm. Seat height - min 46.0 to max 55.0cm. Dimensions tolerance / variations shall be within +/- 1 cm.

### 32. Laboratory



LH /RH 900 Ht.C-Frame Assy. For Table Depths 770 Wall Side Without Upright , 1540 Island Without Upright & 920 Wall Side With Upright. Common 900 Ht. C-Frame Assy. For Table Depths 770 Wall Side Without Upright , 1540 Island Without Upright & 920 Wall Side With Upright 1500/1350/1200 Module Length Horizontal Members. Fixed Type Reagent Shelf (Main Type) 1350/1200 L- Cutout : 6M + 6M Hanging Storage 900/750/600Mm W, 535 Mm

D & 635 Mm H . Drop-In Sink ,Jet Black Granite ,silicon sealant ,masking tape etc should be used .

### 33. MS Chair



The cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with pure leather and moulded high resilience (hr) polyurethane foam of density  $45 \pm 2 \text{ kg/m}^3$ , and hardness load  $16 \pm 2 \text{ kgf}$  for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size  $1.9 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$ . it upholstered with pure leather. seat size : 47.6 cm. (w) x 49.2 cm. (d). back size : 47.5 cm. (w) x 77 cm. (d). armrests: the armrest top should be moulded from polyurethane (pu), upholstered in pure leather and mounted on to a drop lift adjustable type tubular armrest support made of  $3.81 \pm 0.03 \text{ cm} \times 0.2 \pm 0.01 \text{ cm}$  thk m.s e.r.w tube having chrome plated finish. the armrest height adjustable up to  $6.5 \pm 0.5 \text{ cm}$  in 5 steps. active bio-synchro mechanism: the adjustable tilting mechanism should be designed with the following features:  $360^\circ$  revolving type. front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. tilt tension adjustment can be operated in seating position. 5-position tilt limiter giving option of variable tilt angle to the chair. seat/back tilting ratio of 1: 2. the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of  $6.0 \pm 0.5 \text{ cm}$ . 5 adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of  $7.42 \pm 0.5 \text{ cm}$  for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic height adjustment has an adjustment stroke of  $10.0 \pm 0.3 \text{ cm}$ . pedestal assembly the pedestal should be high pressure die cast polished aluminium and fitted with 5 nos. twin wheel castors. the pedestal should be  $65.0 \pm 0.5 \text{ cm}$ . pitch-center dia. ( $75.0 \pm 1.0 \text{ cm}$ . with castors.). twin wheel castors: the twin wheel castors should be injection moulded in black polypropylene.

### 34. MS Visitor Chair



The cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with pure leather and moulded high resilience (hr) polyurethane foam of density  $45 \pm 2 \text{ kg/m}^3$ , and hardness load  $16 \pm 2 \text{ kgf}$  for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size  $1.9 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$ . it upholstered with pure leather. Seat size : 47.6 cm. (w) x 49.2 cm. (d) Back size : 46.5 cm. (w) x 59.5 cm. (d) Visitor tubular frame: the tubular frame should be cantilever type and made of  $\phi 2.54 \pm 0.03 \text{ cm} \times 0.02 \pm 0.016 \text{ cm}$  thick ss 202 tube. the back should be connected to frame through chrome plated high pressure die case connector piece.

### 35. Center Table



Glass shall be  $12 \pm 0.3 \text{ mm}$  thick black tinted toughened glass UV glued with bushes made in SS 202 grade for fixing with understructure. It shall be a welded assembly made in SS202 grade having dia.  $12 \pm 0.04$  as per IS:1762. overall dimensions of table shall be Width of table= 112.0 cm, Depth=60.0 cm, height=35.1 cm.

### 36 Corner Table



Glass shall be  $12 \pm 0.3 \text{ mm}$  thick black tinted toughened glass UV glued with bushes made in SS 202 grade for fixing with understructure. It shall be a welded assembly made in SS202 grade having dia.  $12 \pm 0.04$  as per IS:1762. overall dimensions of table shall be Width of table= 60.0 cm, Depth=60.0 cm, height=35.1 cm.

### 37. Fast Track Curtain



- Track material shall in general be aluminium alloy 6063-T-6 having tensile strength 195 Mpa, shear tensile Strength 195 MPa, Shear Strength 150 Mpa. All materials shall be Corrosion resistance and shall have minimum 50 micron polyester powder coating of approved shade. The curtain track system shall have following components.
- Support units consisting of ceiling suspender system and wall support unit. Ceiling suspender system shall consist of upper aluminium plates of diameter 50.4 mm and thickness 1.8 mm. Each plate shall be fixed to ceiling with 3 No. rawl plugs and screws. Ceiling suspenders shall be made of Aluminium pipe of minimum dia 12.7 mm and of variable height in conformity with the ceiling height and curtain height. Minimum three suspenders shall be provided for each cubical. Wall support unit shall be made of aluminium and shall be fixed with the wall with rawl plug and screws.
- Curtains track shall be made of aluminium alloy of minimum size 20.4 mm x 25 mm of thickness side 1.5 mm and top 3.3 mm. it will have curtain removable point made of galvanized steel for simple loading and unloading of curtains.
- 7mm diameter wheel type Teflon coated plastic roller and provided with 1.8 mm dia stainless steel (302 grade) 30mm hooks.
- Bends: Track shall be bendable to a radius of 300 mm at 90 degree to cover the length and width of bed. The bend shall be joint less.
- Hospital cubical curtains consisting of polyester blended fabric with 450 mm nylon mesh (net) on the top of curtain. The fabric shall be wrinkle free, shrink proof, anti-odor, stain retardant and water-repellent. Curtains shall be fitted with stainless steel grommets at 150 mm centre to centre.
- Colour of curtains : sea green

### 38. LED TV 43"

Providing and fixing the TV of 43" of reputed brand-SONY/SAMSUNG

### 39 LED TV 50"

Providing and fixing the TV of 50" of reputed brand-SONY/SAMSUNG

**END OF VOL-III**

# **MINISTRY OF HEALTH & QUALITY OF LIFE GOVT. OF MAURITIUS**

**Tender**

**For**

Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius

**Volume-IV**

**Bill of Quantity**

**September' 2019**



**HSCC (INDIA) LTD**

**(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)**

**E-6(A), sector-1, NOIDA(U.P) 201301 (India)**

Phone: 0120-2542436-40

Fax : 0120-2542447

**PQ. Tender No. HSCC/Mauritius/Cancer Hospital/Fur/2019**



**Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius**

The BOQ item description shall be read in conjunction with the technical specifications ( Vol-III), Conditions of Contract ( Vol-II) and their quoted rates shall deem to include all works/ requirements specified in the technical specifications including samples/materials as approved by Engineer/Employer & Conditions of Contract etc.

Name of Bidder M/s:-

**Bill Of Quantity**

S. no.	Items Description	UNIT	TOTAL Quantity	Rate in Figures in Rs.	Rate in words in Rs.	Amount (in Rs.)
1	2 Door Personal Locker Unit	Each	20			0.00
2	4 Seater Dining Table	Each	4			0.00
3	3 Seater Waiting Chair	Each	87			0.00
4	Almirah	Each	43			0.00
5	Attendent Stool	Each	87			0.00
6	Consultant Chair	Each	9			0.00
7	Consultant Visitor Chair	Each	18			0.00
8	Bed Side Locker	Each	75			0.00
9	Mid Back Chair	Each	43			0.00
10	Visitor Chair	Each	6			0.00
11	Fully Motorised Bed	Each	15			0.00
12	Crash Cart	Each	24			0.00
13	Examination Couch	Each	15			0.00
14	Consultant Table	Each	9			0.00
15	Dressing Trolley	Each	24			0.00
16	Over Bed Table	Each	64			0.00
17	Sofa 2 Seater	Each	14			0.00
18	Sofa 3 seater	Each	6			0.00
19	Semi Motorised Bed	Each	56			0.00
20	Stretcher	Each	15			0.00
21	Cafeteria Chair	Each	16			0.00
22	Wheel Chair	Each	10			0.00
23	Work Table	Each	7			0.00
24	Work Station	Each	8			0.00
25	Book Rack	Each	8			0.00
26	Book Case	Each	6			0.00
27	Conference Table (20 seater)	Each	1			0.00
28	MS - Table	Each	1			0.00
29	Library Table	Each	2			0.00
30	Instrument Cabinet	Each	4			0.00
31	Conference Room Chair	Each	20			0.00
32	Laboratory	Each	2			0.00
33	MS - Chair	Each	1			0.00
34	MS - Visitor	Each	3			0.00
35	MS - Centre table	Each	1			0.00
36	MS - Corner Table	Each	2			0.00
37	Fast Track Curtain	Sqm	580			0.00
38	LED TV 43"	Each	18			0.00
39	LED TV 50"	Each	2			0.00
<b>Total Amount In (Rs.)</b>						<b>0.00</b>

# **MINISTRY OF HEALTH & QUALITY OF LIFE GOVT. OF MAURITIUS**

**Tender**

**For**

Supply, Installation, testing & Commissioning of furniture work and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period for Exiting Block of Cancer Hospital at Solferino, Vacoas, Mauritius)

**Volume-III**

**Tender Drawing**

**September' 2019**



**HSCC (INDIA) LTD**

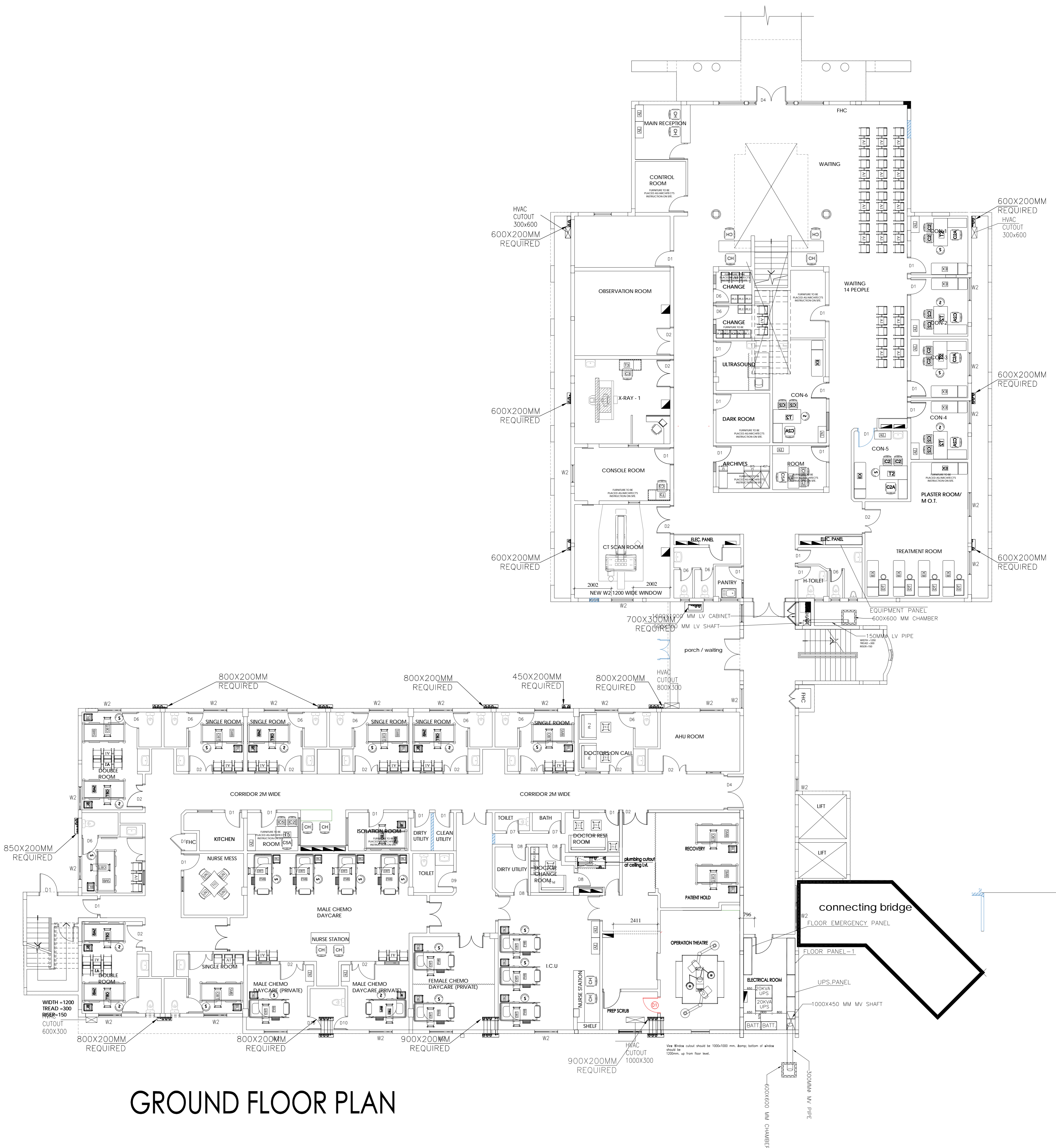
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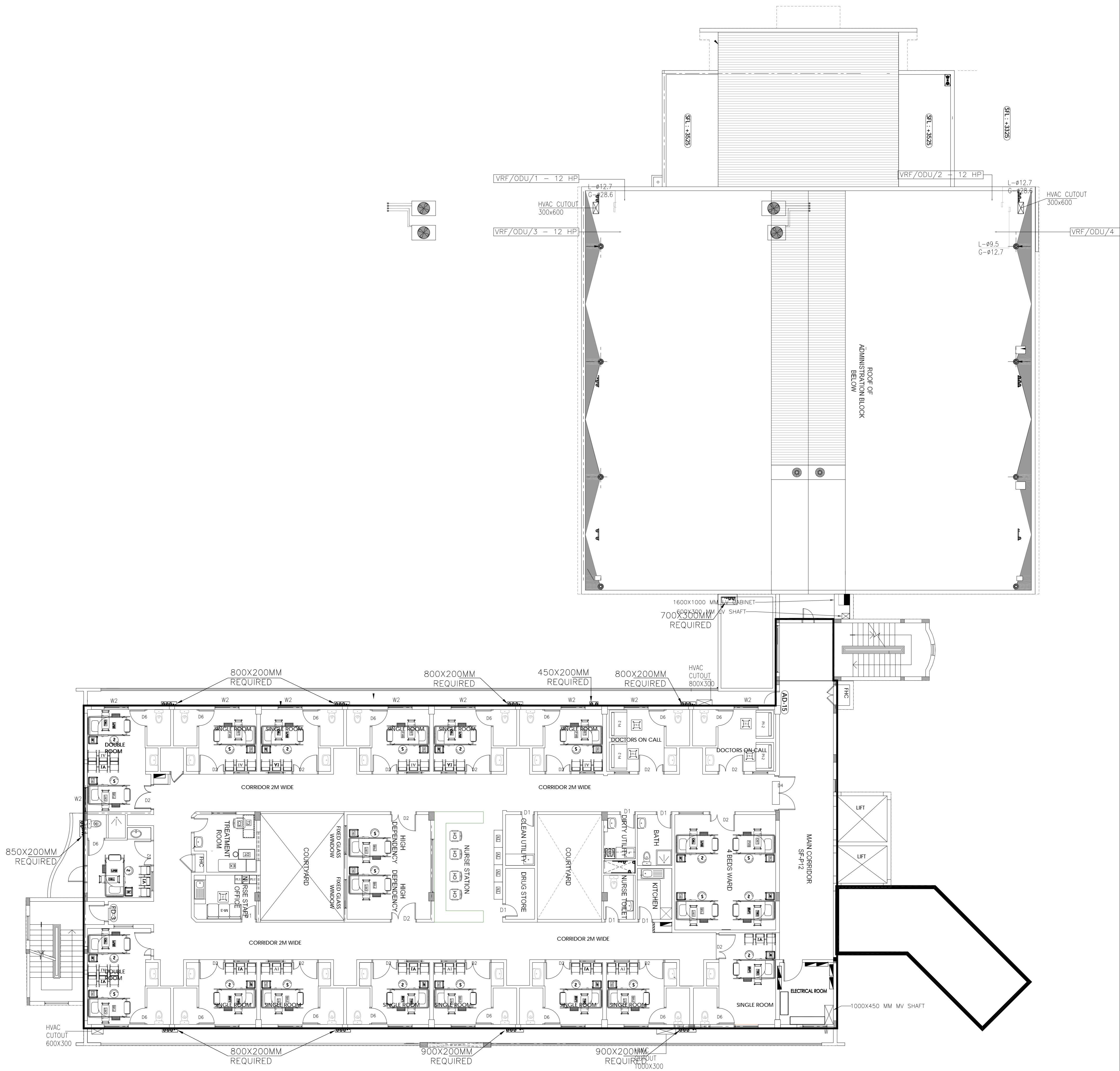
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# GROUND FLOOR PLAN





## SECOND FLOOR PLAN