



GLUCONATE HEALTH LIMITED

(A GOVT. OF WEST BENGAL UNDERTAKING)

H.O. & R. O.: 2, DurgaCharan Doctor Lane,
Kolkata - 700 014.

Ph No.(033)2265-0001/2/3, Fax033-22658537

(Under Health & Family Welfare Department)

Tender Form : Two Bid System

Tender Ref.No –NIT/PT-07 /17-18 Dated 13.07.2017.

Construction of Pharmaceutical Clean room for Dry Syrup on Turn Key basis.

as per Annex-1 . At our Factory at 1,Health Institute Road, Dumdum Cantonment, Kol.-65

Date & Time schedule:

Sl. No.	Particulars	Date & Time
01.	Date of uploading of NIT documents online (Publishing Date)	13.07.2017
02.	Documents download/sell start date (Online)	13.07.17 from 2.00 pm
03.	Documents download/sell end date (Online)	01.08.17 at 2.00 pm
04.	Bid submission start date (Online)	13.07.17 from 2.00 pm
05.	Bid submission closing (Online)	01.08.17 at 2.00 pm
06.	Bid opening date for technical proposals (Online)	03.08.17 at 4.00 pm
07.	Date of uploading list for technically qualified bidder (Online)	Will be uploaded after technical bid evaluation
08.	Date & place for opening of Financial proposal (Online)	Will be uploaded after technical bid evaluation
09.	Date of uploading of list of bidders along with the offer rates through online Also if necessary for further negotiation through offline for final rate	Will be uploaded after opening of financial bid.



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H.O. & R. O.: 2, DurgaCharan Doctor Lane,

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Ref. NIT/PT-07 /17-18 Dated 13.07.2017.

Dear Sirs,

You are requested to submit your lowest offer through e-tendering system only as per guidelines given.

The following conditions must be followed strictly

1. The rates quoted should be FOR Gluconate Health Limited at our factory at 1, Health Institute Road, Dumdum Cantonment, Kolkata 700065 only.
2. The terms & conditions as enumerated in the enclosed Annexure-II shall be complied with while submitted the offer. The rates quoted without complying with the above terms and conditions shall not be considered.
3. Please quote rates for each item separately as per the format given.
4. GST must be clearly mentioned in terms of rate as well as amount, else the same will not be payable in the invoice.
5. Offers submitted with counter conditions will not be considered. The technical bids will be rejected if the terms and conditions of the tender are not compliance with.
6. The offers should be kept valid for a period of three months during which no price escalation at any ground will be considered.

Managing Director

Gluconate Health Ltd.



ANNEX 1

GLUCONATE HEALTH LIMITED

(A GOVT. OF WEST BENGAL UNDERTAKING)

H.O. & R. O.: 2, DurgaCharan Doctor Lane,

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(Under Health & Family Welfare Department)

Tender Form : Two Bid System

Tender Ref.No – NIT/PT-07 /17-18 Dated 13.07.2017.

Construction of Pharmaceutical Clean room for Dry Syrup on Turn Key basis.at our Factory at

1,Health Institute Road, Dumdum Cantonment, Kolkata -700065.

Sl.no.	Scope of Work	Quantity & Specification	EMD (Rs.)
01	Construction of MODULAR PANEL With demolition of existing construction	As mentioned in Anex III	3,00,000.00
02	Supply of CLEAN ROOM ACCESSORIES	As mentioned in Anex V	
03	Installation of H VAC System	As mentioned in Anex IV	
04	Installation of Electrical works	As mentioned in Anex VI	
The tenderers are advised to go through the documents meticulously and prepare tender on the basis of the data made available. They are also advised to make themselves thoroughly acquainted with the site and its working environment. In case of any doubt about any data The tenderer may contact with W.M & QAM at our factory, 1,Health Institute Road, Dumdum Cantonment, Kolkata - 700065.before submission the tender.			

Offer should be valid for a minimum period of 90 days during which no price escalation at any ground will be considered. Please note that Specification of scope of works are attached separately.

Managing Director

Gluconate Health Ltd.

1. Necessary Earnest money will be deposited by the bidder electronically: online - through his net banking enabled bank account, maintained at any bank . Intending bidders will get the Beneficiary details from e-tender portal with the help of Digital Signature Certificate and may transfer the EMD from their respective bank. For NEFT/RTGS, bidders are also advised to submit EMD of their bid, at least 3 working days before the bid submission closing date as it requires time for processing of payment of EMD.
2. In the event of e-filling, intending bidder may download the tender documents from the website <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate. Technical Bid and Financial bid both will be submitted concurrently duly digitally signed. Tender document may be downloaded from website & submission of Technical Bid/Financial Bid as per tender time schedule stated. The documents submitted by the bidders should be properly indexed & digitally signed.
3. Both Technical document and Financial bid are to be submitted in technical (Statutory& Non-statutory folder) and financial folder concurrently duly digitally signed in the website <https://wbtenders.gov.in>. The Technical document and Financial Bid submission : as per table given.
4. The Financial offer of the prospective bidder will be considered only if the Technical Document (both Statutory and Non-statutory) of the bidder found qualified by the authority.
5. Eligibility criteria for participation in the tender :
 - i) The prospective bidders shall have satisfactorily completed minimum 3-5 orders for the quoted Job during the last 3 (three) years from the date of issue of this Notice .(Non statutory document)
 - ii) Bidder should submit work completion and satisfactory performance certificate of the quoted Jobs from 3-5 users.(Non statutory document)
 - iii) Valid up to date Income Tax return. Copies of Pan Card/GST Registration Certificate/ Trade License/Turnover certificate are to be accompanied with the Technical documents (Non statutory documents).
6. Inspection may be carried at user end by GHIL to access the performance of quoted jobs from past users
7. Bidders have to specifically mention about comprehensive warranty of the quoted machineries.
8. Bids shall remain valid for a period not less than 90 (ninety) days after the deadline date for Financial Bid submission. Bid valid for a shorter period shall be rejected by the GHIL authority as non-responsive. If the bidder withdraws the bid during the period of bid validity, the earnest money as deposited will be forfeited forthwith without assigning any reason thereof.
9. Earnest Money : As mentioned in the table.
10. Prospective applicants are advised to note carefully the minimum qualification criteria as mentioned in ‘Instruction to Bidders’ before tendering the Bids.
11. Conditional/Incomplete tender will not be accepted under any circumstances.
12. The intending bidders are required to quote the rate on line as per the format given.

13. Location of Critical Event :

Bid Opening : Online opening: At the Head Office of Gluconate Health Ltd at 2, Durgacharan Doctor Lane Kolkata -700014.

14. Qualification criteria : The tender inviting & Accepting Authority will determine the eligibility of each bidder, the bidders shall have to meet all the minimum criteria regarding :

a. Financial Capacity\Technical Capacity.

b. Experience/Credential

i) The eligibility of a bidder will be ascertained on the basis of the digitally signed documents in support of the minimum criteria as mentioned above. If any document submitted by a bidder is either manufactured or false, in such cases the eligibility of the bidder will be out rightly rejected at any stage without any prejudice.

13. Before issuance of the ORDER, the tender inviting authority may verify the credential and other documents of the lowest bidder if necessary. After verification if it is found that the documents submitted by the lowest bidder is either manufactured or false in that case order will not be issued in favour of the said bidder under any circumstances and the Earnest Money deposited by the bidder will be forfeited by the Tender Inviting Authority without assigning any reason thereof.

Managing Director
Gluconate Health Ltd.



GLUCONATE HEALTH LIMITED

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Kolkata - 700 014.

ANNEXURE –I I

Ref. NIT/PT-07 /17-18 Dated 13.07.2017.

TERMS & CONDITIONS

1. The quoted jobs will be executed on turn key basis and the rate should be quoted as free delivery at our works at Gluconate Health Limited, 1, Health Institute Road, Dum Dum Cantonment, Kolkata 700065 exclusive of GST . The rate (percentage) and amount of GST should be clearly indicated, otherwise, tender is liable to ignored.
2. **It is not binding on the purchaser to place order on the lowest or any other tenderer against this enquiry. GH L reserves the right to cancel the tender without showing any reason.**
3. The manufacturer's name on the machines along with specification, capacity, expiry gross& tare weight etc. should clearly be depicted .
4. The offer shall be kept valid for a period of minimum 90days from the date of opening of tenders. Tenders not giving the required validity period may be rejected at the discretion of purchaser.
5. For the rates quoted as F.O.R. GH L factory, all the expenses like packing, forwarding, insurance, cartage and freight etc. are to be borne by the supplier.
6. The delivery period shall be the essence of the order. The supplier has to adhere to the delivery schedule as per order, failing which they will have to pay liquidated damages/penalties. Declaration should be submitted for confirmation of capability and time bound execution for supply.
7. OPENING: As mentioned , through on line system only.

8. **RISK PURCHASE :**Non-supply or failure to supply the material within the delivery period shall cause risk purchase by the purchaser. Failure to supply of materials as per delivery schedule shall be at the risk and cost of supplier. In such events, the purchaser would procure the machines from alternate source and the additional cost incurred (if any) will be recovered from the defaulter/supplier.However no financial advantage shall be passed on to the supplier if goods are purchased at lower rates and amount of END will be forfeited.

9. **PAYMENT TERMS:** Usually payment is made after satisfactory installation provided Bank Guarantee for 10% value of the machine(Having validity for one year) is given by the supplier. However payment terms offered by the tenderer being otherwise different then the above shall be subject to the acceptance by the company.

10.**Perfomance Guarantee :**The supplier shall have to submit performance guarantee @ 10% of the value of the quoted machines for smooth function for a period of minimum one year.

11.**ARBITRATION:** All disputes arising out of this order shall be referred to an arbitrator to be nominated by the Managing Director, GHIL. The award of the arbitrator shall be final and binding on both the parties.

12. **LEGAL PROCEEDINGS:** All disputes and legal proceedings arising out of this Tender shall be lodged and admissible in Kolkata Courts only and not outside Kolkata.

13. **PRICE ESCALATION:** The price escalation clause shall not be acceptable.

14. **MATERIAL PACKING:** Suppliers must ensure that the materials should strictly conform with the specifications, tests, and sizes etc. mentioned in the purchase order. The material should be properly packed so as to avoid loss, damage, and other hazards of transportation.

15. **ACCEPTANCE OF PURCHASE ORDER:** Purchase Orders shall be sent by Courier, by e-mail or by Fax. The supplier should ensure to send the acknowledgment of receipt of purchase order. The unconditional confirmations of receipt of purchase order may be mailed/faxed. In case no acknowledgement is received within 2 days, it will be assumed that the order is duly accepted by the supplier.

16. **TRANSPORTATION:** Materials should be transported preferably by any Bank approved carrier, or transporter having its godown at Kolkata.

17.**DESPATCH ADVICE & DOCUMENTS:** As soon as the consignment is delivered to the transporter a copy of consignment note, challan, delivery No. etc. indication the order No. and date should be sent, immediately to Gluconate Health Ltd.

18. **INVOICE / BILL :**

(i) GST Invoice/Bill should be duly signed, clearly marked and properly made with regard to description, specifications and quantity of goods.

(ii) GST Regn. No. should be printed on the Invoice/Bill, Failing which no GST will be paid.

(iii) Invoice/Bill must indicate the Number and date of consignment note or challan, including the name of carrier.

(iv) A copy of Purchase Order must be attached with the invoice/Bill for smooth processing of the invoice/bill.

(v) Purchase Order No. and date should invariably be quoted by the supplier in all correspondence relating to supplies.

18. **TEST CERTIFICATES:** Test, guarantee, Warranty, Performance credential, or any other documents specification or description of goods should invariably be sent along with the dispatch documents. Payments are liable to be with-held incase of non-compliance. Supplier has to arrange Documentation, Installation & Maintenance Manual, Warranty certificates, Manuals, Spare parts list, Design qualification, Installation qualification, Operational qualification, Performance qualification as per schedule M GMP Norms

19. **DAMAGE, SHORTAGE:** Damage/Shortage, if any, notified by the consignee will be reported to the supplier within a reasonable period. The suppliers shall be bound to arrange prompt replacement/rectification on receipt of such intimation.

20. **Penalty:** Penalty will be imposed for delayed delivery @ 0.5% per day and as per the clauses of the Purchase Order.

21. **REJECTION & REMOVAL OF GOODS :**The declaration of rejection of goods by our

Inspecting Officer shall be final and binding and shall be intimated to the supplier within fifteen days of the receipt of material. The rejected goods are to be removed by the supplier at his own risk and cost within a period of one week from the date of rejection intimation received by them.

23. EMD will be returned to the unsuccessful supplier after completion of evaluation. For successful suppliers, EMD will be returned after completion of the contract period

24. Documentary evidences are to be submitted establishing the Bidder's qualification to perform the contract if the bid is accepted.

Managing Director
Gluconate Health Ltd.

ABOVE TERMS ARE ACCEPTED

(Signature of Tenderer/Supplier with stamp)

SECTION A

INSTRUCTION TO BIDDERS

General guidance for e-Tendering :

Instructions / Guidelines for electronic submission of the tenders have been annexed for assisting the contractors to participate in e-Tendering.

1. Registration of Contractor :

Any agency willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement system; through logging on to <https://wbtenders.gov.in> , the Bidder is to click on the link for e-Tendering site as given on the web portal.

2. Digital Signature Certificate (DSC):

Each Bidder is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. The Bidder can search & download NIT & Tender Document(s) electronically from computer once he logs on to the website using the Digital Signature Certificate. This is the only mode of collection of tender Documents.

3. Participation :

A prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm.

4. Submission of Tenders :

Tenders are to be submitted through online to the website in two folders at a time for each work, one in Technical Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats).

Bidders eligible for exemption of EMD as per Govt. rule may avail the same and necessary documents regarding the exemption of EMD must be uploaded

5. Technical Proposal :

The Technical proposal should contain scanned copies of the following in two covers (folders) :

Statutory Cover Containing the following documents :

a) NIT along with terms and conditions (download properly and upload the same with signature and stamp). **Pages 1 to 8**

b) Non-Statutory Cover containing the following documents :

(i) Registration Certificate under Company Act, (If any).

(ii) Valid up to date Income Tax return/Pan Card/GST Registration Certificate/ Trade License./ Turnover certificate

(iii) For prospective bidders should submit work completion & satisfactory performance certificate of the quoted machineries from 3-5 users during the last 3 (three) years prior to the date of issue of this NIT.

(iv) Declaration (Ref:- As per format shown in Section-B)

N.B. : Failure of submission of any of the above mentioned documents as stated above will render the bidder liable to be rejected for both statutory and non statutory cover.

The above stated Non Statutory / Technical Documents should be arranged in the following manner :

Click the check boxes beside the necessary documents in the My Document list and then click the tab "Submit Non Statutory documents' to send the selected documents to Non- Statutory folder.

S.No.	Category	Sub Category	Sub Category Description	Format /File
1	CERTIFICATES	CERTIFICATES	GST REGISTRATION CERTIFICATE ALONG WITH LAST RETURN ACKNOWLEDGEMENT, PAN LATEST I.T ACKNOWLEDGEMNT, P TAX, Turnover certificate.	
2	COMPANY DETAILS	COMPANY DETAIL 1	TRADE LICENSE, COMPANY REGISTRATION CERTIFICATE	
3	CREDENTIAL	CREDENTIAL 1	COMPLETION CERTIFICATES	
4	DECLARATION	DECLARATION FILE 1	SECTION -B	

1. Tender Evaluation Committee (TEC)

Evaluation Committee constituted as Purchase Officer, Accounts Officer, Quality Assurance Manager will function as Evaluation Committee for selection of technically qualified contractors.

2. Exempted from EMD :

If any contractor is exempted from payment of EMD, copy of relevant Government Order needs to be furnished.

3. Opening of Technical Proposal :

Technical proposals will be opened by the Managing Director, Purchase officer, electronically from the website using their Digital Signature Certificate (DSC).

4. Intending bidders may remain present if they so desire.

5. Cover (folder) for Statutory Documents will be opened first and if found in order, cover (folder) for Non-Statutory Documents will be opened. If there is any deficiency in the Statutory Documents, the tender will summarily be rejected.

6. Decrypted (transformed into readable formats) documents of the non-statutory cover will be downloaded & handed over to the Tender Evaluation Committee.

7. Summary list of technically qualified bidders will be uploaded on line.

8. Pursuant to scrutiny & decision of the Tender Evaluation Committee the summary list of eligible bidders and the items for which their proposal will be considered will be uploaded in the web portals.

9. During evaluation the committee may summon of the bidders & seek clarification / information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

10. Financial Proposal

- (i) The financial proposal should contain the following documents in one cover (folder) i.e. Bill of Quantities (BOQ). The bidder is to quote the rate on line through computer in the space marked for quoting rate in the BOQ.
- (ii) PRICE BID .
- (iii) Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor.
- (iv) Penalty for suppression / distortion of facts :
If any bidder fails to produce the original hard copies of the documents like Completion Certificates and any other documents on demand of the Tender Evaluation Committee within a specified time or if any deviation is detected in the hard copies from the uploaded soft copies, it may be treated as submission of false documents by the bidder and action may be referred to the appropriate authority for prosecution as per relevant IT Act.
- (v) Rejection of Bid :
The company reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Purchase Order 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 Employer's action.
- (vi) Award of Purchase Order:
The Bidder who's Bid has been accepted will be awarded the Purchase Order in specific format of the Company and will be notified accordingly.

Managing Director

SECTION -B

DECLARATION

(To be furnished in The Company letter head duly signed by authorized person of the company)

1. I, the under-signed do certify that all the statements made in the attached documents are true and correct. In case of any information submitted proved to be false or concealed, the application may be rejected and no objection / claim will be raised by the under-signed.
2. The under-signed also hereby certifies that neither our firm M/s..... nor any of constituent partner had been debarred to participate in tender by the Gluconate Heath Limited during the last 3 (three) years prior to the date of this NIT.
3. The under-signed would authorize and request any Bank, person, Firm or Corporation to furnish pertinent information as deemed necessary and / or as requested by the Company to verify this statement.
4. The under-signed understands that further qualifying information may be requested and agrees to furnish any such information at the request of the Company.

Signed by an authorized officer of the firm

Name of the Firm with Seal

Date :

PRICE BID

(TO BE FURNISHED IN THE COMPANY LETTER HEAD DULY SIGNED BY AN AUTHORISED PERSON OF THE COMPANY)

Ref. NIT/PT-07 /17-18 Dated 13.07.2017.

JOB : **Construction of Pharmaceutical Clean room for Dry Syrup on Turn Key basis.**

FORMAT FOR QUOTATION

- 1. Name of item -----

- 2. Basic Rate -----

- 3. GST -----

- 4. Total -----

- 5. Name of the manufacturer -----

- 6. Other Details if any -----

Authorized Signatory with stamp



GLUCONATE HEALTH LIMITED

Specification of MODULAR PANEL

Sl.NO	Description	qty	unit
01	Double Skin Wall Panels 80mm Thick		
	Double skin Wall panels- 80mm Thick(PCGI/PCGI)80mm thick double skin wall panels of skin thick 0.8mm GPSP(120GSM Zinc Coated) Sheet. PUF as infill material Density 40-42 Kg/Cu mtr with both side powder coating of thickness 60-70 micronsincluding Bottom track & silicon sealent etc.	378	Sq.mt
02	Ceiling Panels NonWalkable 50mm Thick		
	Double skin NonWalkable False Ceiling- 50mm Thick (PCG PCGI) 50mm thick double skin walkable False cealing panels of skin thick 0.8mm GPSP (120GSM Zinc Coated) Sheet. PUF as infill material Density 40-42 Kg/Cu mtr with both side powder coating of thickness 60- 70 microns.with suitable Ceiling grid and supporting hardware . Joints shall be sealed with cleanroom compatible silicon	183	Sq.mt
03	Inbuilt Air Raisers		
	Frame work for inbuilt return air raisers in 80mm Wall panels, 36" x 3" - 7 Nos, 24" x 3" - 1 No, 18" x 3" - 15 Nos, 10" x 3" - 12 Nos,	35	nos
04	View panels Double Glazed		
	Double Glazed View Panels 1200x1200mm in 80mm wall panel including 6mm Thick Clear Float Glass on both sides with Adhesive tape & Silicon Sealent for fixing of glasses	18	nos
05	Covings		
	Al Extruded Male & Female Coving Powder Coated R70 (Internal & External)	800	Ru mt
	Al 2D / 3D Corner Cove.	184	nos
06	Cutouts		
	Electrical cutouts in wall Panels With PVC Conduit	58	Nos
	Ceiling cutouts for Lights & HVAC	81	Nos
07	GI PU Painted Doors		
	Single Leaf Door of Size 900X2100mm	21	Nos
	Single Leaf Door of Size 1200X2100mm	04	nos
08	Hardware		
	SS Ball Bearing Butt Hinges 102x76x3mm	75	nos
	Door closer Std. Arm Ryobi without designer Cover	25	Nos
	SSD- handle 19x254mm - Dorset	25	Nos
	SS304 Push Plate 125x300x1.2mm	25	Nos
	Mortise Dead lock with both side key operated lock & Key ML100D	25	Nos
	Concealed Door Drop Seal automatic	25	Nos
	Clear Float glass of size 350x750x6mm thick Double Glazed with 25mm ceramic black border with adhesive tape & Silicon sealent	25	Nos

EPOXY FLOORING

01	Epoxy flooring equivalent to SikaFloor, 2mm thick Self Leveling for production area of Dry Syrup Powder section. The material will be SIKA/APURBA/PIDILITE or Equivalent make. The said manufacturer with their applicator will execute the job to give an even surface to avoid any settlement of dust particle on the surface of floor for clean room requirement. Surface prepration, checking of Moisture content in the existing surface, to be checked & done properly. The required shade of flooring will be decided prior to starting of the job.	183	Sq mtr
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ANNEXURE –IV

GLUCONATE HEALTH LIMITED

Specification of H VAC system

Sl.NO	Description	qty	unit
01	Condensing Units		
	Supply of air cooled condensing unit comprising of reciprocating/scroll compressor & air cooled condenser complete with 10 meters of refrigerant piping with closed cell polyethylene insulation 19 mm thick & with metallic foil, stands for mounting outdoor unit, expansion valves & controls for following capacity: Make- Carrier/Emerson/Equivalent		
	Filling Sealing Area		
	5.5 TR	1	no
	2TR	1	no
	Charge Room, Wash, ANC-II, Powder Quarantine, AL-II Area		
	2.0 TR	1	no
	8.5 TR		
	Labeling & Packing, FG Quaran, FG Store Area		
	5.5 TR	1	no
	Change Rooms, AL-IV, Utensil Wash, ANC-I, Chemist, IPQC, Corridor-II Area		
	8.5 TR	1	no
	Bottle Day Store, Bottle Washing, RM Day Store, AL-III, Corridor-I Area		
	8.5 TR	1	no
02	First charge of refrigerant gas for all condensing unit	1	Lot
03	Refrigerant piping with closed cell polyethylene insulation 19 mm thick & with metallic foil between AHU/IDU and Condensing unit for following capacity (if exceeds 10 Mtrs.)		
	2.0 TR	R.O	RFT
	5.5 TR	R.O	RFT
	8.5 TR	R.O	RFT
04	Air Handling Unit		
	Sheet metal sectionalised cabinet type air handling unit in Double skin construction fabricated from Al extruded section frame structure. The inner skin 24G & outer skin 22G GI construction with 30 mm thick PUF insulation panel complete with following		
	Mixing chamber		
	Prfilter section with Pre filter(10 Micron & 90 % Efficiency)		
	Coil section with cooling coil of required rows as per TR & CFM		
	Blower(DIDW BACKWARD CURVED FAN WITH 80 MM/WG STATIC) section with Blower and motor ,both Motor and Blower are mounted on common base frame		
	Microvee filter section with M.V. filter In Aluminium construction(5 Micron&95 %Efficiency)		
	Fresh air Module With S.S. bird screen ,volume control damper and 20 Micron Filter(90%Efficiency)		
	Exhaust air Module With S.S. bird screen ,volume control damper and 20 Micron Filter(90% Efficiency)		
	sandwich type insulated drain pan ,drain pan should be 18 G SS construction		
	Magnahelic Guages with Necessary Tubing across Pre Filter (0.25mm of W.G.) Microveefilter (0-25 mm of W.G.)		
	Mixing chamber should be of minimum 500 mm, Prefilter section should be of Minimum 200 mm for 50mm Thick filter size (for higher filter thickness ,difference in thickness will be added in pre-filter section.), Coil section should be of minimum 500 mm, Blower section length should be as per standard dimension of the blower required to install the		

	blower in housing, After blower and before Microvee filter there should be gap of 500mm, and after Microvee filter and main discharge should be min 500 mm. There should be access door across every section of AHU, Necessary openings for Magnahelic gauges & electrical connections. Marine Light in blower section & Limit Switch at Drive door should be provided. Heater section will be provided with heater in unit & Desiccant Rotor will be added in AHU of Filling Room & Charge Room.							
	AHU Coverage	TR	CFM	S.P.(mm of wg)	TEMP(D)	Rh %		
	Filling sealing	7.5	1500	150	23 +/-2	35 +/-5	1	no
	Charge room	10.5	2000	150	23 +/-2	35 +/-5	1	no
	Labeling packaging	5.5	2000	80	25 +/-2	55 +/-2	1	no
	CHANGE ROOM & OTHRS	8.5	2500	80	25 +/-2	55 +/-2	1	no
	BOTTLE DAY STORE & OTHERS	8.5	2500	80	25 +/-2	55 +/-2	1	no
05	SHEET METAL WORKS							
	Sheet metal work comprising of G.S.S. ducting with RTV sealant, sizes & quantities are as under							
	24 G						2500	SFT
	22 G						1200	SFT
	20 G						RO	SFT
06	Supply Air Duct insulation with 19 mm Thick Chemically Cross linked closed cell polyethylene foam insulation material						1600	SFT
07	Return Air Duct insulation with 13 mm Thick Chemically Cross linked closed cell polyethylene foam insulation material						2100	SFT
08	Supply air Grill with volume control damper(room operated) in GI Powder coated construction						27	SFT
09	Return air Grill with volume control damper(room operated) in Al construction.						35	SFT
10	Volume control dampers 16 G(G.I.)						15	SFT
11	Fire Damper at suction and discharge of every unit with fusible link						15	SFT
12	Terminal box for supply air in ceiling areas in minimum 16 G thick CRCA powder coated complete with Al powder coated(18 G) perforated sheet & gear type volume control dampers(room operated) of suitable HEPA size							
	610 mm x610mm x66mm						6	Nos
	610 mm x610mm x100mm						5	nos
13	Magnahelic Guages across room for differential pressure. This includes S.S. box to mount these units and necessary tubing and other accessories to get these unit functioning.(0 -						10	nos
14	Drain Pipe							
	G.I. Drain Pipe of 25 mm Dia for AHU						100	RFT
15	ELECTRICAL PANEL FOR ALL AHU'S AND CONDENSING UNITS							
	Supply installation, testing & commissioning of cubicle type electrical panels for airhandling units and condensing unit. Panel comparisoning of main incoming switch along with outgoing feeders for air handling unit, condensing unit and heaters. The panel will be made out of 14G CRCA sheets. duly powder coated with two coats of synthetic enamel siemens Grey colour. Control panel should have all necessary interlocking arrangement for heater, blower and humidistat. Each panel shall be provided with a trifoliate or engraved metal name plates mentioning the AHU number. control panel shall be totally enclosed ,completely dust proof,with hinged doors ,neoprene gasket and suitable locking arrangement.							
	Following push Button are required							
	For AHU on / off							
	For condensing unit on /off							
	For Heater on /off							
	Following indicating lamps are required							
	For AHU on / off and trip							
	For condensing unit on /off and trip							
	For Heater on /off and trip							
	RYB indicating lamp shall be provided on the panel at the input side of, Heater, condensing							
	control Panel for AHU, CDS, Heaters.						5	nos

16	Electrical Cabling		
	From Main HVAC panel Power wiring of:		
	3c x 2.5 sq. mm Al core	RO	RFT
	3c x 4 sq. mm Al core	RO	RFT
	3c x 6 sq. mm Al core	RO	RFT
	4c x 6 sq.mm Al core	RO	RFT
	Electrical Cabling Tray		
	300 m wide	RO	RFT
	450 m wide	RO	RFT
17	Earthing 8 G G.I.	RO	RFT



GLUCONATE HEALTH LIMITED

Specification Of CLEAN ROOM ACCESSORIES

SL.NO	Description	qty	unit
01	<p>SS Cross Over Bench Supply and fabrication of Cross Over Bench with shoe rack MOC : SS 304 Thickness : 18 Swg. Type : S Type, Top Half Open on One Side and Bottom Half Open on other side. Proper Stiffeners will be provided on bottom of the top sheet for sturdiness and strength. Coving to be provided. Finish: MATTE Size : Length : 2225 mm. Depth : 300 mm. Height : 560 mm.</p>	01	no
02	<p>SS Dress Cabinet Supply and fabrication of SS Dress Cabinet with Racks, Hanger holding Rod and used garment holding Box with Flap door. Finish: MATTE MOC : SS 304 Thickness : 18 Swg Size : 700 mm(W) 450 mm (D) 2000mm(H)</p>	02	no
03	<p>SS Locker for 16 users Supply and fabrication of SS Locker having 16 Nos. compartments MOC : SS304 Finish: MATTE Thickness of Sheet : 18 Swg. Size : 1150mm W 450 mm. D 1800mm.H</p>	01	no



ANNEXURE –VI

GLUCONATE HEALTH LIMITED

Specification Of Electrical Works

Sl.NO	Description	qty	unit
01	Wiring for light/fan point with 3x1.0 sqmm FR PVC insulated cu. Wire (Make- HAVELLS/Any branded) through surface/recessed PVC conduit pipe 20mm without switch Box cover & switches (Avg. length - 6 mtrs approx)	44	points
02	Supplying & drawing of following sizes FR PVC (ON ACTUAL) insulated copper conductor wire (Make- HAVELLS/Any branded) through surface PVC conduit pipe 20mm as required :- a) 2 X 1.5 + 1 X1.0 sqmm (from DB to ckt wiring) b) 2 X 2.5 + 1 X1.0 sqmm (from DB to power wiring) c) 3 X 4 + 1 X 1.0 sqmm (from DB to power wiring) d) 4 X 2.5 + 1 X 1.1 sqmm (from M/C DB to 3 PH M/C wiring)	360 360 200 125	Mtr Mtr Mtr Mtr
03	Supplying & fitting with fixing of modular module (HAVELLS) with modular (PVC) cover Plate,s/ws,sockets etc including connection for the individual boards without box :		
03A	A) LIGHT CKT BOARD : a)8 Module PVC with 7 nos 10A s/w	5	nos
04	B) POWER CKT BOARD : 1 no 10A socket and 1 no 10A switch with Moduler box and PVC cover plate a) Supply and fixing of Modular 5M PVC power board 1no 10A socket 1 no 10A s/w & MCB with 5 Moduler PVC cover plate b)Supply & fixing of 4 way SPN DB DD with 10A ,3P,MCB	25	Nos
05	8 Way TPN Vertical DB DD with input isolator,4P,80/63A- 01 No & outgoing 16A TP MCB- 03Nos & 10A TP MCB - 03Nos,20A TP MCB-01 25A TP MCB - 01No all interconnections, DB Double Door (M/C DB) (All Make - HAVELL'S or Any Branded) NOTE : DOUBLE DOOR DB having IP- 42 protection	10	nos
06	a)Supply of M.S.Powder coated bottom openable Light Fixtures (1 X 36W PLL) with mirror reflector with acryalic sheet. MAKE - Diamond / Any branded b) Fitting & Fixing with end connection c) supply of PL Lamp 36W ,Make- Phillip's/ Havell's	16 16 16	nos nos Nos
07	a)Supply of M.S.Powder coated 4FT 22W LED light Light Fixtures with acryalic cover, Make - Mescab	3	Nos
08	a)Supply with lying of 3.5 core 25 sqmm Aluminum Armoured (MAKE : Polycab) XLPE ,1.1KV GRADE cable+ 1 X 8No G.I wire on surface with shaddle & accessories etc as required from MAIN sub LT panel to (PDB+ M/C DB+ individual Dryers) without civil work b) End termination of 3.5 Core 25 sqmm PVC AL armoured cable with aluminium single compression gland etc	55 8	Mtrs set

SL.NO	Description	qty	unit
09	a)Supply of Wall mounted Sub Main Panel duly M.S.Powder coated , incorporating with following incomer & outgoing Feeders in complete electrical wiring with interconnections as well as fabrication & painting, two setof ammeter & voltmeter with selector s/ws, for both Main & DG Set , Indicating lamps- 06 No's & having Electrolytic Grade (30X10) COPPER Busbars current capacity (450 to 460)A - Maxim with FRS DRS supporters.	01	no
	INCOMER FOR MAINS : 250A, 4P,MCCB, (MAKE : L&T OR STANDARD/ HAVELLS)		
	INCOMER FOR DG SET : 250/ 400A, 4P,MCCB, (MAKE : L&T OR STANDARD/ HAVELLS)		
	Panel having both electrical & Mechanical (Cassel) lock arrangement.		
	OUTGOING FEEDERS :		
	40A , 4P, ISOLATOR - 01 NO (LDB)		
	63A , 4P, ISOLATOR - 01 NO (PDB)		
	80A , 4P, ISOLATOR - 01 NO (M/C DB)		
	32A , 4P, MCB - 04 NOS		
	40A , 4P, MCB - 06 NOS		
	25A , 4P, MCB - 03 NOS		
	63A , 4P, MCB - 02 NOS		
	NOTE : All MCB'S (HAVELLS)		
10	Supply & drawing of following cables		
	a) Telephone Cable	100	Mtr
	b) CAT-5 Wire	100	Mtr
	c) Cable for Fire Alarm	100	Mtr