

## Tender for Pallet Racks for Betalactum Block



# BENGAL CHEMICALS & PHARMACEUTICALS LTD

(A Govt. of India Enterprise)

Bengal Chemicals & Pharmaceuticals Limited  
168 Manicktala Main Road, Kolkata-700054  
West Bengal, India.

### Tender for Pallet Racks for Betalactum Block

#### NIT

<b>Tender No</b>	<b>Tender No: LT/Pallet Rack/Beta/01/15-16</b>
<b>Tender Date</b>	13 <sup>th</sup> October, 2015
<b>EMD</b> (Mandatory, without EMD, no bidder will qualify the technical round)	Rs: 16,000.00/-
<b>Demand Draft Address</b>	All DD will be in favor of Bengal Chemicals & Pharmaceuticals Limited, payable at Kolkata.
Address for Bid submission & Evaluation	Purchase Department, Bengal Chemicals & Pharmaceuticals. 168, Manicktala Main Road, Kolkata –700 054.
Last date & Time of Bid Submission	<b>3<sup>rd</sup> November, 2015 up to 4:00Pm</b>
Opening of Bid	3 <sup>rd</sup> November, 2015 up to 4:30Pm
Venue for Bid submission & Opening	Purchase Department, Bengal Chemicals & Pharmaceuticals Ground Floor of Manicktala Main Office, Manicktala Main Road, Kolkata – 54.

#### **SCOPE OF WORK**

The scope of work under this tender covers supply transportation, loading, Unloading & placement of Pallet Rack.

; Detail of the Pallet Rack is as mentioned in Technical Specifications, Bill of Quantities and enclosed Ground Floor Layout.

**COMPLETION PERIOD:** Two (02) Months, will be reckoned from the date order acceptance/issued.

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## Eligibility Criteria:

The Tenderer to qualify the below criteria for participating in this tender,

- Tenderer must have executed under their Company/ firm's name & style at least 2(Two) order for Pallets & Racks supply.
- Documentary evidence (duly signed & stamped) must be enclosed with the bid. Tenderer must have valid registration certificate for Sales Tax, Income Tax, Provident Fund / ESI and Trade License.

***(Documentary Evidence to be accompanied the technical Bid)***

## Bid submission Criteria:

Bidders to be submitted their Bids under two separate sealed covers, one cover containing Part 1 (Un-priced Bid / Technical Bid) & the other cover containing Part 2 (Priced Bid / Commercial Bid). Indicating Tender Name, No, Date with Tender Due Date.. These two bids should be submitted in a single sealed cover with the respective Tender No & Item. Mentioned thereon, complete in all respect, addressed to the DM (Purchase), BENGAL CHEMICALS & PHARMACEUTICALS LTD, 168, MANIKTALA MAIN ROAD, KOLKATA-700 054.

## VALIDITY OF OFFER:

Bidders shall keep their offer valid for a period 90 days from the due date / extended due date (if any) of the tender-opening.

## NON-CONFORMANCE

Tenders not conforming to the above mentioned requirement are liable to be rejected.

## RIGHT OF ACCEPTANCE / REJECTION

Mere issue of tender document and submission of bids does not necessarily qualify for consideration of bids Bengal Chemicals & Pharmaceuticals Ltd reserve the right to accept or reject any tender either in part or in full without assigning any reason whatsoever.

## CLARIFICATIONS

For any clarifications please contact Bhaskar Chowdhury Manager Projects & Engineering Mobile no: +91-9830851116 & Pranoy Kr. Marjit Sr.Asst.Manager (Production) Mobile no.09038629242, BCPL, Maniktala, phone No: (033) 2320-4153 (Ext-108),

## TERMS OF PAYMENT

- a) **20%** of Contract Value will be paid as advance along with purchase order against Bank guarantee of minimum 90 days validity from a nationalized bank of India.
- b) **60%** of contract value will be paid against supply of materials at site.
- c) **10%** of contract value will be paid against Positioning of materials.
- d) Balance **10%** (Ten percent) of the contract value shall be considered for release after completion of Defect Liability Period / Guarantee Period, which shall be 12 months from the date of Positioning/Handing over .The retention money shall be released against submission of Bank Guarantee of equal amount, from any Nationalized Bank of India.



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### **Guarantee**

Supplier shall provide full guarantee against any manufacturing defects/poor workmanship/inferior design or quality etc. for a period of 12 months from the date of commissioning or 18months from the date of delivery whichever is later. During this period supplier will arrange to repair/replace any defective part free of cost or replace item if required. Supplier shall guarantee that all the materials shall be supplied in grand new condition.

### **INSPECTION:**

Materials on its arrival at Client's site will be inspected by Stores In-charge / Client's Representative and Engineer-in-charge and their decision in the matter will be final & binding upon also to the vendor.

### **TEST CERTIFICATES:**

Test Certificates, shall be obtained and furnished to the client free of cost along with the supply. Client reserve the right to avail third party for inspection and testing.  
Dispute if any to be settled within BCPL, Maniktala, and Kolkata jurisdiction.

**STAMPED & SIGNED BY THE BIDDER**



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## FORM OF BID

(To be submitted by the Bidder)

M/s.  
BCPL, Kolkata

Sub :

Dear Sir,

1. Having carefully examined all the Tender documents attached to your Invitation to Bid No. .... Dated ....., and its Amendments / Errata / Corrigendum / Clarifications issued till the date of tender opening, we agree to complete the WORKS in conformity with all the terms and conditions stated in Tender Documents and its Amendments / Errata / Corrigendum / Clarifications issued till the date of tender opening and as per time schedule given in Tender Document. The Plant, Equipment and System offered are of best and of latest technology and of international standards.
2. I / We declare and certify that I / We fully satisfy the Qualifying Requirements and the documentary proof as called for, have been annexed.
3. We undertake, in case our bid is accepted, to commence the work from the date of Letter of Award and to complete and deliver the whole of the work and responsibilities comprised in the contract within Three (3) Months calculated from the date of Work Order and as per time schedule given in Tender Document.
5. We agree to abide by and keep our Bid valid initially for a period of 3 months from the date of opening of Bid and it shall remain binding on us and may be accepted at any time before the expiry of that period.
6. Should our Bid be accepted, we hereby agree to abide by and fulfill all Terms and Conditions of Tender Document as accepted by us. We understand that BENGAL CHEMICALS AND PHARMECUTICALS LTD is not bound to accept the lowest or any Bids received and BENGAL CHEMICALS AND PHARMECUTICALS LTD has the right to reject a bid, without assigning any reason whatsoever.
7. This Bid together with written acceptance by way of Work Order thereof, shall constitute a binding CONTRACT between BENGAL CHEMICALS AND PHARMECUTICALS LTD. and ourselves till any formal contract is executed.
8. Dated this \_\_\_\_\_ day of \_\_\_\_\_.

Witness – Authorised Signature

Signature

Occupation

Date

Address

Witness –: DESIGNATION

**STAMPED & SIGNED BY THE BIDDER**



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## SCHEDULE OF CONFIRMATION

Questionnaire on Commercial Points to be answered by the Bidder

1.0 Name of Bidder Firm/Company

1.1 Address:

1.2 Telephone No. :

1.3 Fax. No. & E-mail Address:

1.4 Banker's Name & Address:

1.5 Name & Full address of Chief executive:

1.6 Name, Designation and full address of contact person and:

Cell No. ,

E-mail address.

1.7 Place of manufacture of supply item:

1.8 Other information if any (enclose separate sheets):

1.9 VALIDITY OF BID

2.0 Please confirm the validity of Bid to be 3 months:

**STAMPED & SIGNED BY THE BIDDER**



# Tender for Pallet Racks for Betalactum Block

## TECHNICAL SPECIFICATION, BILL OF QUANTITY, LAYOUT AND PRICE BID FORM:

### ➤ Technical Specification:

#### ○ Type A

Technical Specification		
1	Location	warehouse Betalactum
2	MOC	CRS (Cold Rolled Steel) with Epoxy paint
3	Height of Pallet	250mm
4	Beam span	2310mm clear
5	Frame Depth	1000mm
6	Upright height	2000mm
7	No. of levels	2
8	Level to level height	1200mm
9	Top loading level height	1455mm
10	Pallet size	1000mm (w) x 1200mm (D) Two side opening
11	Load per pallet	1000 kgs
12	Pallets per level	2 Nos
13	Pallets per unit	4 Nos
14	Total no. of unit	Refer BOQ
Other Requirement		
1	Vendor to provide the drawing with dimensions and specifications along with the offer based on the attached Conceptual Drawing	
2	Vendor to provide the pre requisites like floor tolerance and floor finish along with the offer	
3	Vendor to provide the payment schedule and delivery time along with the offer.	



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○ **Type B**

Technical Specification		
1	Location	Warehouse Betalactum
2	MOC	CRS (Cold Rolled Steel) with Epoxy paint
3	Height of Pallet	250mm
4	Beam span	1410mm clear
5	Frame Depth	1000mm
6	Upright height	2000mm
7	No. of levels	2
8	Level to level height	1200mm
9	Top loading level height	1455mm
10	Pallet size	1000mm (w) x 1200mm (D) Two side opening
11	Load per pallet	1000 kgs
12	Pallets per level	1 No
13	Pallets per unit	2 Nos
14	Total no. of unit	Refer BOQ
Other Requirement		
1	Vendor to provide the drawing with dimensions and specifications along with the offer based on the attached Conceptual Drawing	
2	Vendor to provide the pre requisites like floor tolerance and floor finish along with the offer	
3	Vendor to provide the payment schedule and delivery time along with the offer.	



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➤ **Material Specification:**

• **Raw Material:**

Load bearing members of the system are made out of High strength HR steel having properties equivalent to grades specified by IS 5986:2002 / IS 2062:2006

The different types of material used for Load bearing members such as Uprights and Beams are:

Steel Type	Minimum guaranteed Yield Strength	Equivalent International Standard
Equivalent to IS: 5986 / Fe 510 (or) IS:2062 / E 350	355 MPa	JIS 3101: SS 490 EN 10025 : S 355 JR DIN 17100 : St 52
Equivalent to IS: 5986 / Fe 410 (or) IS:2062 / E 250	255 MPa	JIS 3101: SS 400 EN 10025 : S 235 JR DIN 17100 : St 42

In addition to high strength, the raw material used for structural load bearing members also possesses adequate ductility to ensure toughness. The material also has the necessary impact strength for cold room applications up to -20 deg C.



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## ➤ Design Basis:

Unless otherwise specified, as applicable, for design of its Storage system.

IS 801: 1975 - Code of practice for use of cold formed light gauge steel structural members in general building construction

IS 800: 1884 /2007 - Code of practice for general construction in steel

BS: 5950 (V): 1998 - Building design using cold formed steel sections

FEM 10.2.06 - The design of hand loaded static steel shelving system

SEMA - Code of practice for the design of High and Low Rise Static steel shelving Surface Finish

For long life and protection from corrosion, Racking components are given a thorough anti-rust treatment. All steel components unless otherwise specified are powder coated for obtaining a smooth, scratch resistant and lasting attractive finish. The Dry Film Thickness (DFT) after powder costing would be ranging from 35 to 60 microns.

All components are subjected to an elaborate 4 step, six zone anti corrosion treatment, viz. De-Greasing as per IS 6005:1970, Rinsing, Phospating as per IS 3618:1966 and De-mineralized water rinsing.

Further more, the testing of paint for various physical and chemical properties is done as per IS 101: 1964.

Unless otherwise specified, Uprights and bracings are offered in Oxford blue colour and Beams in

Orange colour.

## ➤ Surface Finish:

All components are given a thorough anti-rust treatment to prevent corrosion, thereby increasing the life of the component. Steel components are powder coated for obtaining a smooth, scratch resistant and a lasting attractive, finish. The Dry Film Thickness (DFT) of 35 microns is achieved on an average after Powder coating.

All components are subjected to an elaborate 4 step, six zone anti corrosion treatment, viz. De-greasing as per IS 6005:1970, Rinsing, Phospating as per IS 3618:1966 and De-mineralized water rinsing.

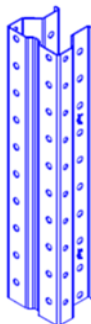
## Tender for Pallet Racks for Betalactum Block

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Furthermore, the testing of paint for various physical and chemical properties is done as per IS 101: 1964.

- **UPRIGHT**

1. Usage : Vertical load bearing **multi bend profile** to be designed to offer **maximum load carrying strength** with **optimum surface utilization**, ensuring **high standards of stability and safety**. It transfers the load to the ground via grouted base plates.
2. Design Criteria to be followed are **BS 5950 Part (V) and SEMA Guidelines**.
3. Manufacturing should be **Roll formed** construction **made in single piece without welding**. Process of **punching and forming should be in one flow and in a synchronized operation, hence providing dimensional accuracy and uniform and consistent contour.**
4. Flexibility : **Slots** to be present at every **50 mm** enabling warehouse user utilise height optimally, face hole dia 11mm, to adapt to ever changing SKU sizes.
5. Fixity: Should be Bolted with base plates to transfer the load to the ground.
6. Profile : Should be of Omega profile with **multi bends**.
7. Material Quality : **Minimum yield strength should be 355 MPa**.
8. Finish should be **Lead Free Epoxy Polyester powder coated**, and the finish is to be lead free.
9. Colour should be Oxford Blue

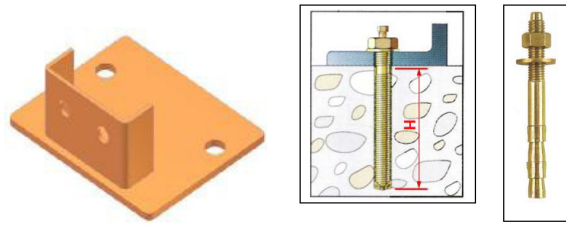


- **BASE PLATES**

1. Utility : Used to **anchor upright to the ground**
2. Manufacturing Process to be **Welding and Press forming**.
3. Fixity : Should be grouted with 2 nos M12x100 torque type mechanical anchor expansion bolts and bolted to upright by four M10x25 of fasteners. Floor level adjustments to be done through shims.
4. Grouting fasteners are to be zinc plated.
5. Finish should be **Lead free Epoxy Polyester powder coated**, lead free. **Orange in colour**.

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- **BRACINGS**

1. Utility: Essential members- **Diagonal & horizontal bracings** are to be connected to upright to make frames so as to **impart stability to the structure**.
2. Configuration : Requisite amount of diagonal and horizontal bracings are to be provided as per load capacity and application as **shown in the side view of elevation** in the drawing. The horizontal bracings are connected to the topmost and bottommost diagonal bracings for frame stability. Length of bracings as per depth of the units.
3. Profile is to be **Lipped Channel**.
4. No. of bends should be **4 nos**.
5. Manufacturing Process should be **through roll forming technology**.
6. Surface Finish should be **Galvanized**.



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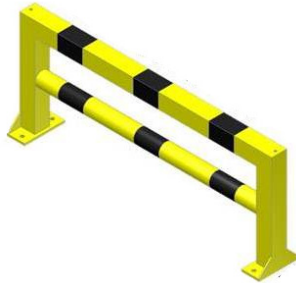
- **Row Guard:**

**1. Utility:** Safety member to prevent racks being hit by MHE while turning. They protect the end frames.

**2. Location:** At the end of rows where working and cross aisles meet. Protects the two cross aisle facing uprights and frame.

**4. Fixity:** Grouted to the ground.

**5. Surface Finish:** Epoxy Polyester powder coated.



- **HEM BEAMS**

1. Utility : The horizontal load carrying members that support the pallets.

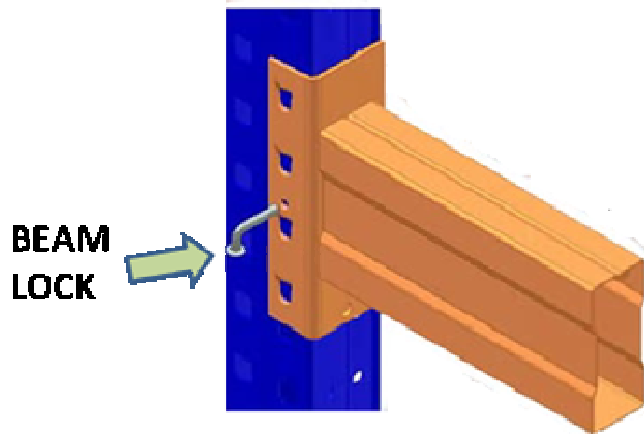
2. Manufacturing : Roll formed. It is formed through single sheet **through continuous gradual roll forming cum hemming operation in single flow**. This ensures tensional strength of the beams and distinguishes us from others, unlike open profiles which tend to buckle for heavy loads or for longer beam lengths. No welding is allowed to form box section.

3. Material Specification : Material used is hot rolled steel with minimum yield strength of 255MPa.

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4. Profile :Box section. **The beams are made in to box section by single sheet only.**
5. Design Criteria : The beams shall withstand for the specified load, with the ratio of **span / deflection > 200 under SEMA guidelines.**
6. Fixity : The box beams are welded to 4 **lip connectors** (at works, and not at site) which will be hooked on to uprights.
7. Locking Mechanism. Beam locks by locking pins ensure that beams are engaged with uprights precisely and prevent any accidental beam dislodgement due to handling equipments. Diameter is 6mm for locking pin.
- 8.Surface Finish : **Lead Free Epoxy Polyester powder coated, Deep Orange in colour.**



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- **SAFETY SINAGE:**

1. They are **safety sign boards / instructions** for operators.
2. It displays the **dos and don'ts for safe operation.**
3. Quality : **Photo finish.**



## Tender for Pallet Racks for Betalactum Block

➤ **Bill of Quantity (BOQ):**

S No.	Location	'A' Type	'B' Type	Pallet capacity	Rate in Rs.	Amount in Rs.
1.	RM Receipt	04	0	16 nos		
2.	Airlock	02	0	08 nos.		
3.	Quarantine	02	0	08 nos.		
4.	Primary pkg material	12	01	50 nos		
5.	Raw material cold room	04	0	16 nos		
6.	Raw material control room	04	0	16 nos		
7.	Printed labels	04	0	16 nos		
8.	FG store - OSD	15	0	60 nos		
9.	FG store - Injectables	10	0	40 nos		
10.	Semi Finished storage	03	0	12 nos		
	<b>Total Pallet Racks, Amount</b>	<b>60</b>	<b>01</b>	<b>242 nos</b>		

➤ **Warehouse Layout: Refer enclosed Ground Floor Layout (PHPL/080614/LYT(GEN)-03/01. Rev.00)**

**\*\*The rate shall all inclusive  
(Inclusive all taxes & duties, transportation, loading  
Unloading & placement)**

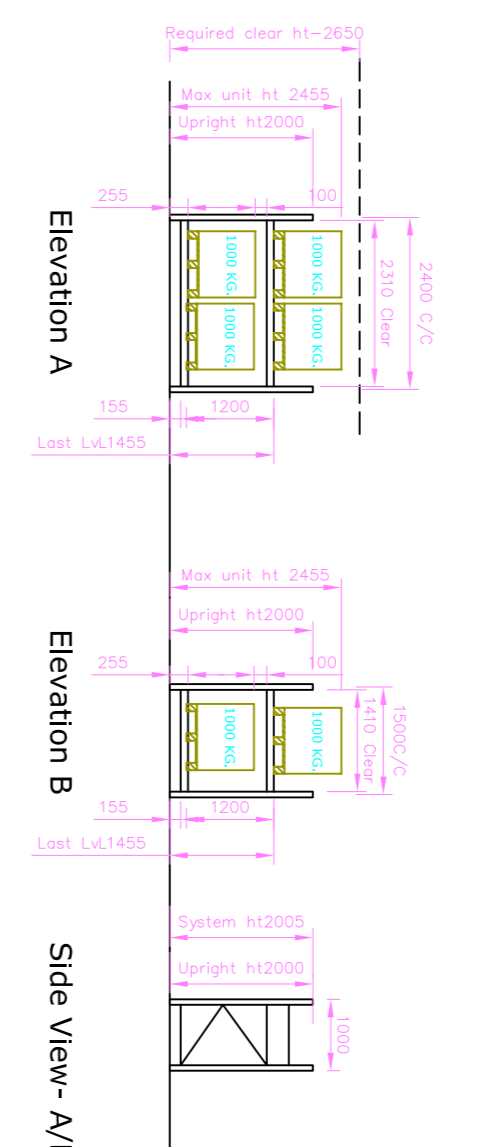
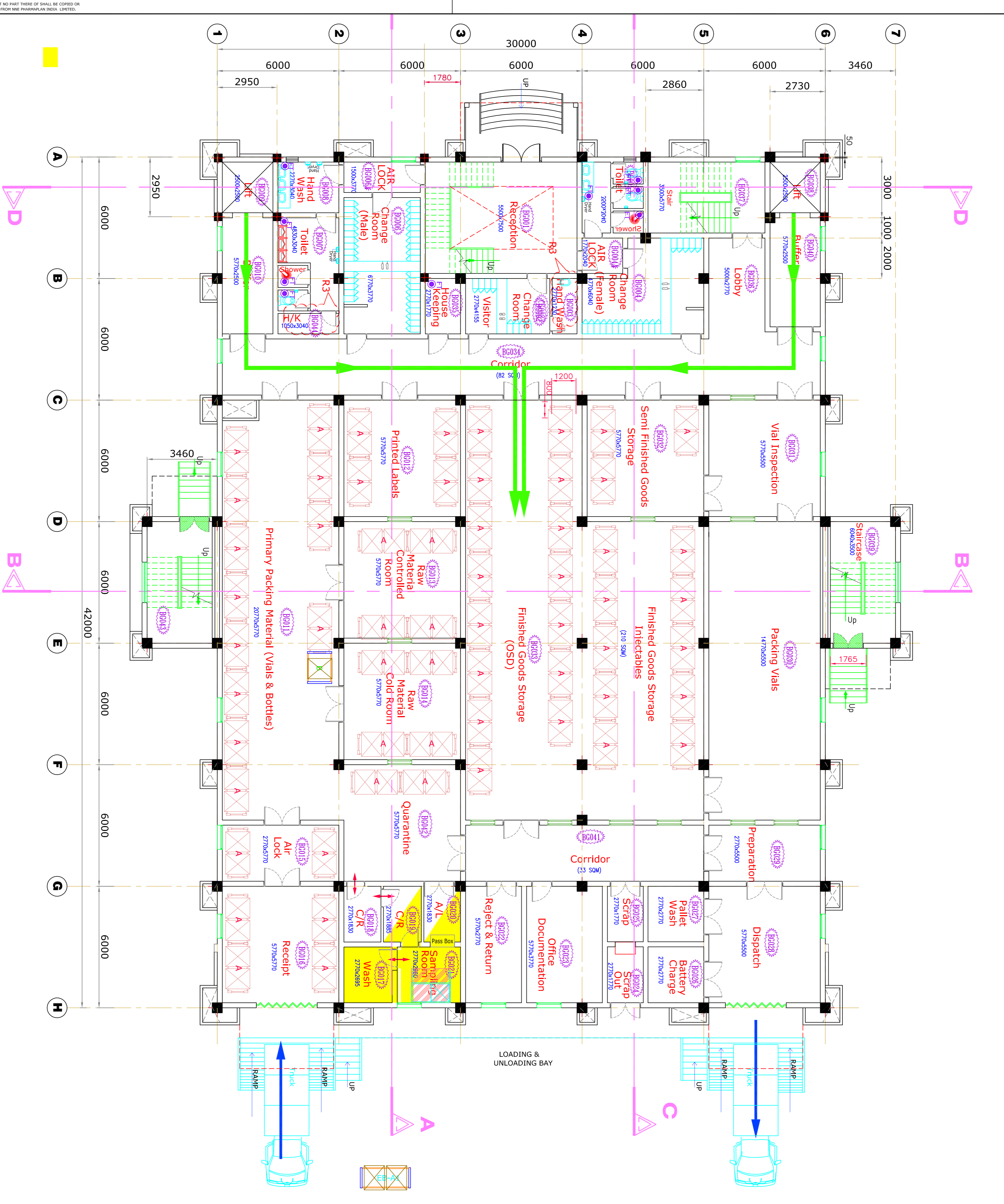
**STAMPED & SIGNED BY THE BIDDER**

**Tenderer are requested to sign & stamp in all pages of bid document and submit in the technical bid (Un-Priced/Technical Bid)**

**BOQ/Price bid to be printed on bidders letter head and submit inside the Price Bid (Commercial Envelop)**

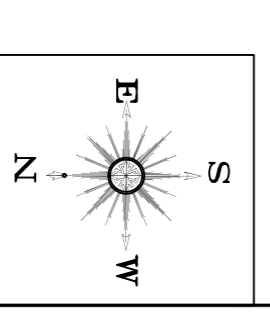
**DM (Purchase)  
BCPL, Manicktala, Kolkata – 54**

**GROUND FLOOR PLAN**  
EL. (±) 0.00M LVL.



**LEGEND:-**

- FINISHED GOODS FLOW
- ROLLING SHUTTER
- EMERGENCY DOOR
- 1 BLOCK = 1.0 MTR.
- ALL DIMENSIONS ARE IN MM.
- REVISION MARK
- ROOM SERIAL NUMBER
- G - GROUND FLOOR
- M - MEZZANINE FLOOR PLAN
- F - FIRST FLOOR
- S - SECOND FLOOR PLAN



Rev.	Date	Checked	Kind of revision	Date Issued To
01.	22.08.2018	SS/9B	Changed	PH/080614/VT/GENV-03/01
02.	24.09.2018	SS/9B	AS PER DISCUSSION WITH CLIENT	02. 24.09.2018 CLIENT
03.	13.01.2019	SS/9B	AS PER VIB FOR COMMENTS	03. 13.01.2019 CLIENT

<b>Project:</b> GREEN FIELD PHARMA BLOCKS BENGAL CHEMICAL & PHARMACEUTICALS LIMITED MANIKTALA		<b>Project No.:</b> 080614 Location A-2/118, Sahastrajung Enclave, New Delhi - 110 029, INDIA	
<b>Description:</b> BETA LACTUM BLOCK GROUND FLOOR PLAN MATERIAL FLOW		<b>Drawn:</b> 07.08.2018 RS <b>Checked:</b> 07.08.2018 SS/9B <b>Scale:</b> 1:1000 <b>Units:</b> mm <b>Sheet:</b> 3 of 3 <b>Rev.:</b>	