

# CLARIFICATIONS ON TENDER DOCUMENTS (PRE-BID MEETING)

<b>Venue:</b>	: At Corporate Office, Nath House, Nath Road, Aurangabad – 431005 (MS)
<b>Date:</b>	: 6 <sup>th</sup> April 2015
<b>Time:</b>	: 11.00 Hrs onwards
<b>Tenders</b>	: <ol style="list-style-type: none"> <li>1. Construction of Roads, Storm Water Drains and Compound Wall</li> <li>2. Building Civil Work</li> <li>3. Pre Engineered Building (PEB)</li> <li>4. Cold Room</li> </ol>

## **MEMBERS PRESENT IN THE MEETING**

From, Paithan Mega Food Park Private Limited (SPV)

- **Mr. Naresh Bafna**

From Abhyuday Techno Economic Consultants Private Limited (Project Management Consultants)

- **Mr. Devesh S Rastogi**

From, SEMAC Consultants Private Limited (A/E Consultants)

- **Mr. C. Srikamal**

## **VENDOR REPRESENTATIVES WHO ATTENDED PRE BID MEETING**

Sr. No	Name of Person	Firm Name	Tendering For
1	Yogesh C Malade	Amiya Commerce & Construction Co Pvt Ltd	PEB Structure
2	Sanjay Sahapurkar	Sahapurkar Infra	(Civil Work Only) Road And Drainage Compoundwall
3	Mohan R Fulsundre	Omkar Groups	Road & Drainage Work
4	Arun Dabhade (Suraj Buidling)	Suraj Tubes India Pvt Ltd	PEB Structure
5	Pradeep S. V.	Nikitha Buidl Tech Pvt Ltd	PEB Structure
6	Madhav Savrikar	Ravikiran Construction	Compound Wall / SWD / Building / Road
7	Pravin A Rudrabhat	Unity Buildtech Pvt Ltd	Civil Work
8	K Vinod Kumar	Ram Engineering Lintied	All Type Of Work
9	Anil Ivayk	Rinac India Pltd	Cold Rooms
10	Sanjay Tongaonkar	Vandana Infrastructure Pvt. Ltd.	Road, Compound Work, Peb Building
11	Vyankatesh Ram S	Mukesh Sharma & Associates	Civil & PEB
12	M. Kolhatkar	Rudranee Infratech Ltd	Civil & PEB
12	R V Deshpande	Rudranee Infratech Ltd	Civil & PEB
13	M Kumar Reddy	Deogiri Infra	Civil
14	Shantanu Pole	Millenium Associates	Civil

Sr. No	Name of Person	Firm Name	Tendering For
15	Ajay Kalok	Ingenious Industries	Cold Storage & Peb
16	Nitin Dorestwar	Alchemist Ltd	Road Technology
17	Pramod Mantri	Abhay Infrastructure	Road & Drains
18	Jagdish Patel	Core Vasth Combine	Buidling Work & Civil
19	Pawan Mugdiya	Sumangal Construction	Road Storm Water Drains Compound Wall
20	Thorve H C	Airtech Hvac Pvt Ltd	PEB & Cold Storage
21	Suresh Malyani	R Z Malyani	Building Work
22	Mannandersingh Rajput	Vamshita Consultation	Road
23	Vinod	Shree Styadai Builders * Developer	Cold Chain Infrastructure
24	Gautam Kataria	Aadinath Construciton	Civil Work
25	Adarsh Vinayak	Lloyd Insulation India Ltd	PEB & Cold Storage
26	Dattaprasad Kamdar	Lloyd Insulation India Ltd	PEB & Cold Storage
27	Shashank Ambare	Lloyd Insulation India Ltd	PEB & Cold Storage
28	Shriram Jhagirdar	Local Representative For Era Buidling System India Ltd	Civil, PEB & Cold Storage
29	Sunil Khullar	Extron Peb Slutions Pvt Ltd	PEB
30	Kedarnath Kanjor	Sai Assocoates	Civil Works
31	Kiran J Waghchawre	Waghchawre & Co	Civil Works
32	Aradhya	Peps Pennar	PEB
33	Kishor Shirdodkar	Aakruti Ventures Pvt Ltd	Civil - Road, SW Drains &Compound Wall

***The list of queries raised by the bidders during the pre-bid meeting (and via subsequent emails up till 7<sup>th</sup> April 2015), and clarifications offered against them ; with regard to Tender Documents & Tendering Process is as under :***

***General Clarifications***

1. Joint Venture / Group Turn Over shall not be considered for eligibility.
2. EMD was decided to be reduced from 1% to 0.50% of the estimated project cost . The revised EMDs are as under -

Tender	EMD Amount
Construction of Roads,	Rs. 2, 75, 000/-
Construction of Strom Water Drains	Rs. 1, 60, 000/-
Construction of Compound Wall	Rs. 1, 25, 000/-
Building Civil Work	Rs. 4, 25, 000/-
Pre Engineered Building	Rs. 2, 50, 000/-
Cold Room	Rs. 2, 50, 000/-

3. Performance Bank Guarantee is reduced from 5% to 3% of the Bid Value.
4. RA Bill payment for civil works (Construction of Roads, SW Drains, Compound Wall and Building Works) shall be done as per following criteria :-
  - a. 50% Payment within 20 days of submission of bill along with all the supporting documents as required
  - b. Balance payment shall be made after due verification. In case of any recovery, the same shall be adjusted in subsequent bill payments.
  - c. Last two bills shall be paid only after due verification and this interim payment system shall not be followed.
5. Retention money will be kept as 5% wherever applicable.
6. Design for PEB and Cold Room shall be provided by respective vendors based on the technical specifications and brief provided in the tender documents and clarifications offered during Pre Bid Meeting.
7. "C Form" shall be provided.
8. Any Entry Tax, Octroi is not applicable in the project area.
9. Revised date of Tender Submission is 16<sup>th</sup> April for all tenders.

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**Specific Tender related Queries and the Reply/Clarification**

***TENDER FOR ROADS, STORM WATER DRAINS, COMPOUND WALL & BUILDING WORK (CIVIL)***

<b>Sr. No.</b>	<b>Query Raised</b>	<b>Reply / Clarification</b>
1	In the work of Compound Wall And Storm Water drain the excavation measurement are same width of pcc , But pcc offset taking only 10 cm this is very small space of working.	The measurement shall be taken as specified in the Tender Documents only.
2	If extend time period of work more than nine 9 months from date of work order, pl consider price escalation as per state government rules.	Price escalation shall not be considered in general. Bidders are advised to foresee such situations and quote accordingly.
3	Payment Cycle of 45 days reduce upto 25 days	Response provided in point no 4 mentioned above.
4	Due to time bonding work and less time period for work, Third party testing of concrete strength is impossible, so at the site 3 days, 7 days, 28 days, testing with jointly contractor and PMC is better.	Period third party testing should be done at a predetermined frequency agreed between the Contractor and SPV & PMC.
5	You are consider max foundation depth up to 1.5 mtr but in case foundation goes above 1.5 Mtr, pl consider actual width of excavation.	Please stick to the brief provided in the Tender Documents
6	Any changes in taxation as per govt rules pl consider.	Taxation shall be as per the prevailing taxation rules at the

Sr. No.	Query Raised	Reply / Clarification
		time of billing.
7	You are requested to recover the Mobilization advance in 3 installments and the recovery should start from third RA bill instead of from the very first RA bill.	Will be recovered from the 2 <sup>nd</sup> RA Bill. The entire advance shall be recovered by the 2 <sup>nd</sup> last RA Bill.
8	Price variation clause should be made applicable to all the works particularly for the starred items like CEMENT, STEEL / Structure steel and asphalt for any variation beyond +/- 5%.	Any variation beyond 5 % shall be considered in the mentioned items
9	Time limits for all works as per tender are quite short and should be made min 12 months for all work heads, particularly for the work of Roads, civil work of building.	For the purpose of Bidding, please stick to the time lines provided.
10	Qualification criteria needs be changed i.e. for road work tender you are requested to accept any similar road work instead of as mentioned in your tender criteria, for compound wall and storm water drainage line, consider any work of civil construction. For cold storage building consider any building work of value mentioned in your criteria.	Any civil construction involving roads, buildings, drains and compound wall as components shall be accepted as eligible experience. Industrial construction shall be preferred over residential construction.
11	Crushed sand for RCC work, UCR masonry and brickwork will be allowed?	Allowable limits as per IS Code Provisions Proper Test Report to be submitted for Slump & Cube Test
12	RCC work with mix design 60-40 proportion (Crushed sand :river sand) can take into consideration? or 100% river sand is expected.	100 % river sand is expected
13	If Burned Clay bricks having crushing strength 35kg/cm <sup>2</sup> is not available around premises shall we consider Fly ash bricks for quote?	No
14	RMC (Ready Mix Concrete) is allow to use for concreting?	Can be allowed based on the crushing strength of the sample
15	Item No. C10 in BOQ- Building, is a item of chamber cover? It shows 5mm thick plate around precast slab instead of 2mm m.s. sheet which makes cover too heavy. Shall we quote with same specifications?	As per the specifications only
16	Though the ITEM no. MIS-11 is related to landscaping rate shall be quote?	Shall be quoted (Quote Rate Only)
17	The Requirement of Machinery Should Coincide with the Nature of Work For Example for Road Work Hot Mix Plant, Paver Should be compulsory instead of Concrete Mixer. which	Please provide list of plant and machinery based on the nature of work.

Sr. No.	Query Raised	Reply / Clarification
	may pl be reviewed	
18	Instead of Third Party Insurance ,CAR POLICY ( Contractors All Risk policy ) should be accepted in which Employer and Contractor is Insured	CAR Policy shall be accepted
19	The Material which are Purchased directly from supplier are inclusive of Royalty so it is not possible to provide royalty Receipt. Otherwise Royalty Charges should be Separately paid and Deducted from Bills, Kindly Clarify whether Royalty will be Deducted for Excavation work	As per Tender Documents
20	Considering the Local Temperature Asphalt of 60/70 Grade should be permitted As per Govt Norms to avoid Unnecessary cost	Decision shall be taken based on the sample test results. However , for bidding purpose , stick to the specs provided.
21	In Coursed Rubble Masonry rectangular stones as used in archeological department are to be used or chiseled random rubble masonry is allowed. Kindly specify.	It is not chisle cut as mentioned but random sized stones to course
22	To avoid extra project cost, temporary office of smaller size should be allowed.	Office is for contractor only
23	As per clause No. 3a (iii) work done certificate from government department should be considered instead of PMC Certificate.	Allowed
24	As per clause No. 2 Pg. No. 26 tack coat should be applied on all asphalt surface during construction period.	Yes, in Roads
25	While submitting more than one tender the Consolidated values solvency certificates is permissible or have to submit separate solvency certificate for each value of tender i.e. @ 20% of the quoted tender.	Consolidated Solvency Certificate shall be accepted but each tender should carry such copy.
26	If river sand is not available then whether the Crush sand will be allowed for the execution of work.	Allowable limits as per IS Code Provisions
27	And due to none availability of river sand the ancillary work will be affected and same shall be considered for the in time limit for completion of work please clarify	No Considerations shall be made, Contractor shall make arrangements for the Project material requirements.
28	As per tender notice, there are four tender (i.e A, B, C, D type of work) But while download the tender documents from your web sites it seen that there are different BOQ & tender document	Separate tenders to be submitted

Sr. No.	Query Raised	Reply / Clarification
	for each work separately. So please clarify that we have to submit the separate tenders downloaded from the web site or have to submit club tenders for work as per the notice invite by you	

### **TENDER FOR PRE ENGINEERED BUILDINGS**

Sr. No.	Query Raised	Reply / Clarification
1	Payment Terms for PEB Contractor	As per Amendment
2	There is discrepancy regarding who will design PEB structure. Please refer point no 2 of special condition of contact page no.62 and point no.2 of technical specification on page no.3.-- - Please clarify.	Design is with PEB Vendor, but models and Design need to be reviewed by Design Consultants/ PMC.
3	PEB structure shall be designed with AISC code as per MBMA standard.	Yes, Except seismic design as per IS Code & Its Provisions, Chapter 12 need not be considered.
4	Kindly clarify regarding Gravent System Mention in technical Specification.	Gravent as per Detailed drawing (on the ridge)
5	For canopy—Gutter is of FRP make or profiled sheet.	Profiled Sheet may be considered.
6	Generally down take pipe is made from color coated galvalume sheet but tender document has mention if of PVC make. Please clarify.	PVC Pipes as per Technical Specification
7	Size of Central warehouse--- Please refer page no.3 of technical specification shows 66M X 41 M while plan drawings shows 65.77 X74.44. Please clarify.	65.77 X 74.44 as per Drawings. All dimensions and sizes, please refer drawings.
8	In F & V processing center--- Turbo vents and Gravent system is require or not? Not shown in plan and section drawings.	No Required
9	Central warehouse--- What will be the live load on Mezzanine Floor?	5 KN/ SQM
10	Also the wind load combination, Deflection criteria refers to both MBMA and IS. Please clarify.	All other design considerations as per AISC- ASD
11	Please confirm whether we have to	C/C dimension for PEB design

Sr. No.	Query Raised	Reply / Clarification
	follow i/i or c/c or o/o dimension	
12	AUTOCAD drawings, as the column location and partition wall details are not clearly visible in the PDF drawing.	Autocad drawings are Shared on the website
13	The Drinking and Potable water for workers shall be provided at free of cost to PEB Contractor. Necessary Provisions shall be arranged by PEB Contractor.	Yes
14	Point (f) - All penetrations to be sealed with Fibre Reinforced Polymer (FRP) – Please clarify	As per Tech Spec
15	Warehouse: The Roof Slope is mentioned as 1:10, whereas in the drawings it is shown as 1:15.	Slope as per Drawings. To Match the ridge in F&V 1:10 & 1:15 are used. Else warehouse 1:10. Please refer drawing
16	F&V Building: The Clear height on the South side is mentioned as 7.7m, where as in Book 3 it is mentioned as 9.5m.	Maximum Portal height to be considered for Design as per typical PEB design system, Hence 9.5 mentioned in Structural DBR
17	The coordination with other agencies would not be in PEB Contractor scope. The details that have to be incorporated in Design & Detailing has to be provided by the client / consultants.	It's in the interest of the project and the vendors to have close co-ordination with other vendors who can affect their work. SPV / PMC shall facilitate the introduction if so warranted.
18	The PEB Contractor shall only submit GA drawings for approval of the client / consultants and Erections drawings before commencement of erection. Shop Drawings would not be submitted.	Shop Drawings are required Post approval and vendor finalization, and before factory fabrication and Site Erection.
19	Structural Steel System – Point (h): Structural Steel Protection System. Please clarify.	Protect Material on Site & all Necessary Protection on Site during Erection
20	Painting: Shot Blasting should be followed by Epoxy Primer and Epoxy Finish Paint, where as the it is mentioned as enamel paint in the Pg 12. (For enamel paint, sweep blasting process is preferred.)	Shot Blasting (SA2.5) should be followed by Epoxy Primer and Epoxy Finish Paint
21	Samples – Mock up / Prototype of structures would not be done for PEB.	Not Needed
22	Storage – Point (c), provision of a protective treatment to the whole external façade panels would not be	Protection Should be Provided

Sr. No.	Query Raised	Reply / Clarification
	provided.	
22	a. Field Welding could not be done for PEB b. c. d. e.	Where necessary to make on site joinery etc, not entire PEB
23	Point (h) – Please provide the details of testing to be done	Testing refers to Snag list, for certifying the Structure as usable.
24	Point (k) – Please provide the document for Safety Standards & Rules to be followed	PEB Vendor QAP and Safety Standard shall be followed
25	Pg 18, Point 1 (c) – The details of Structural Framing required for sub structures has to be provided prior to order finalization	As per tech spec.
26	Pg 18, Point 1 (d) – The details of Signage elements has to be provided prior to order finalization	Answer to Point 22 is applicable.
27	GUARANTEE – Leak Proof Warranty can only be provided for 10 years only for Roof, if the Roof sheeting is Standing Seam Sheeting. The Sheeting specification in Section 3.2.2.2 Metal Sheet Roof System, doesn't refer to Standing Seam Sheeting.	Both are OK. Standing Seam is superior to Trapezoidal
28	The specification for Secondary Cold Formed Members (Purlins, Girts) is not provided in the tender document. We are considering that they are "Pre Galvanized to 120 GSM".	200- 250 GSM can be considered
29	Portal Bracing up to the bottom of truss along the interior column lines and up to 5m along the periphery of the side walls.	No Portal Bracing allowed in the interior columns. Periphery column bracings should also be above 5.0m.
30	Leak Proof warranty for Standing Seam sheeting will be void, if there are any punctures made on the sheet for fixing the Fall Protection Life Line or for any other purpose.	Yes to be considered as per Standard industry Practices
31	0.5mm TCT Profile Color Galvalume sheets for gutters.	YES
32	In Warehouse Building - The width of the canopy is shown as 3.5m in the drawing, whereas in Book No.2, it is mentioned as 3m. Please clarify	As Per Drawings to be considered



Sr. No.	Query Raised	Reply / Clarification
33	In Warehouse Building - Please provide the details of the throat /width of Gravent. We would either provide Ridge Ventilator or Roof Monitor instead of Gravent.	Provide only Gravent System. Details as shared on Website
34	The location of Aluminium Door Openings (D & D1) are note shown in the drawing	Mentioned on Mezzanine Floor area.
35	In Warehouse Building - Whether the Mezzanine floor is in PEB Scope. If yes, please provide the Dead Load, Live Load and thickness of concrete over the decking sheet	Yes, Deck Concreting & Partitions is not in PEB scope Dead Load: 4 Kn/Sqm, Live Load: 5 Kn/Sqm , Finish Load: 2 Kn/Sqm,
36	In Warehouse Building - The Allu. Partition wall, shown along the periphery of the mezzanine area is not considered in PEB Scope.	Not in PEB Scope, But Consider its loads while designing.
37	In Warehouse Building - All the staircases are not considered in PEBS Scope. Only cage ladder has been considered.	In PEB Scope
38	In Warehouse Building - Whether false ceiling load (in addition to the collateral load of 0.45 kN/sq.m) has to be considered on the roof above the mezzanine floor	Yes about 25 Kg/sqm for Panel False ceiling in F&V Cold Rooms
39	In Warehouse Building - There are no wall lights (polycarbonate sheets) shown on the wall in the drawing, though it has been mentioned in the wall sheeting specification in Book 2. We are not considering any wall lights.	Polycorbanate Sheet for F&V as per Drawing
40	In Warehouse Building - In General Instructions – Book No.2, the Roof & Wall sheeting specification is mentioned as Single Skin Sheeting for Roof & Wall, whereas the drawing shows Insulation for both Roof & Wall sheeting. Please clarify whether to consider insulation for roof / wall?	Single Skin roof sheeting for Warehouse
41	In F & V Processing Unit - Bay Spacing – The Bay Spacing in drawing is shown as 15@7m. Can we consider economical spacing as 4@7m	Bay Spacing as per Drawing only.

Sr. No.	Query Raised	Reply / Clarification
	+ <a href="#">10@7.7m</a> for F&V Processing Unit	
742	In F & V Processing Unit - Whether the Roof Insulation has to be provided only for Partial Roof area, excluding the racking system area (false ceiling has been considered)?	Wall- Puff Panel in Walls as per drawing in F&V Building Not in PEB Scope  Roof- Single skin sheet in Cold room Area and Single Skin with under deck insulation as per Tech Spec for other areas in F&V.
43	In F & V Processing Unit - The Insulation thickness mentioned in the General Instructions – Book No.2 and the drawing are NOT same, for both Roof & Wall. Please clarify what has to be followed	Thickness of Puff Panels as per Drawing and under deck insulation for Roof as per Technical Specification
44	In F & V Processing Unit - For Roof sheeting –(0.5mm thk single skin Bare Galvalume with 50mm Fiber Glass wool insulation) & for wall sheeting- (PW -900 Colour Coated) for both the Building. (but As Per drawing in F & V Processing unit Puf panel of thickness 60mm /100mm is shown for wall & same for Roof (As per specification) Dead load is Calculated for Double skin . Please Confirm.	Yes. Warehouse Single skin Roof  F&V Wall- Puff Panel in Walls as per drawing- Not in PEB Scope  F&V Roof- Single skin sheet in Cold room Area and Single Skin with under deck insulation as per Tech Spec for other areas in F&V.  Thickness of Puff Panels as per Drawing and under deck insulation for Roof as per Technical Specification
45	In F & V Processing Unit - Portal/ angle Bracing for wall for both the building's and rod Bracing for roof. Please confirm.	Bracings as per Code
46	In F & V Processing Unit - As per tender FRP Eave gutter & PVC Downspouts is Mentioned. Please confirm.	Profiled Sheet may be used for Eave Gutter & PVC for Downtake pipes
47	In ware house building there is Mezzanine on Grid K-L (between GL 4 to 10).	YES
48	For Mezzanine deck sheet 1mm thick is asked as per specification	YES
49	In Central warehouse - Life line required for roof access. Please confirm.	Yes, as per best industry Practices
50	In Central warehouse - Scope of handrail in mezzanine area also not	No Handrail in Mezzanine area, only Partitions & Not in PEB Scope

Sr. No.	Query Raised	Reply / Clarification
	clear.	
51	Central warehouse width shown in specification is different than tender drawing,	For Dimensions of Building Please refer Drawing
52	In Central warehouse - Scope of spiral staircase not clear form tender. Please confirm.	PEB Scope
53	In Central warehouse - Supporting structure/column/Girts required for fixing of Cold room panel at internal partition wall not clear.	Wall Panels not in PEB Scope
54	In Central warehouse - False ceiling load on roof to be consider while PEB design as drawing showing false ceiling suspended from roof structure.	Yes Load to be considered, supports not in PEB Scope.

### **TENDER FOR COLD ROOM**

Sr. No.	Query Raised	Reply / Clarification
1	How the cold room designs / loads shall be considered . Will it be based on the layout dimensions or the storage qty provided in the Technical Specifications.	Cold room contractor shall refer basis of design - Technical Specifications for cold room sheet. And design cold/freezer storage, Banana & Mango Ripening chambers, Pre-cooling units as per that sheet only. Foot Prints in the layout will be changed, based on the same. Cold storage dimensions are based on storage capacity of 1000 MT each & 25 MT loading per day. Pull down time 24 hrs. Pallets size shall be considered as per standard sizes.
2	Is Storage racks design & supply, installation are in cold room contractor scope?	Yes
3	Should internal partitions be considered.	250 MT x 4 chambers for Cold Room and Freezer Storage Room. Internal partitions should be considered.
4	What is the PUF Panel thickness of cold room and freezer storage	Freezer storage wall/floor/ceiling panels are 150 mm thick & cold storage panels are 100 mm thick.
5	What is thickness of external PUF Panels. Whose scope of work is this.	All F&V building – comprising IQF Areas, Aseptic Pulping Line , Grading/Sorting hall, Wide Corridor (Ante room) etc ; all these areas external wall panels are in RPUF 60mm thick panels & the same is in cold room contractors scope since they will have the manufacturing

		capability and would offer economic rates. However , they will need to work in close co-ordination with PEB Vendor.
6	All roofing panels above the cold rooms , ripening chambers areas (roofing above the false ceiling areas)	All roofing panels over this area are in single skin sheet with under deck insulation, the same is in PEB contractor scope.
7	Should IQF be quoted for?	Current Tenders do not include IQF & Aspetic Pulping Lines. Cold room contractor shall consider only external wall panels for these area as mentioned in no. 5
8	What is the height available for cold store and freezer rooms	Insulated panels ceiling & support arrangement (T suspensions & Rod) to be considered for Freezer/cold storage. Above ceiling there will be single skin roof sheeting. Ht. of PUF panes ceiling are based on our rack design & storage capacity
9	Refrigeration System basis?	Refrigeration system is Freon based. Air Cooled Compressors are preferred. As per the Environmental Guidelines & Industry.
10	BOQ Working for panels etc and how the layout should be designed.	All wall/ceiling panels, doors are estimated based on basis of design. all rooms layouts should be accommodated in PEB layout.
11	Quote should be lump sum or item rate ?	Prices are with item rate, qty & amount format, based on design qtys.
12	Will stand by compressors be required ?	Since there are individual chambers capable of functioning independently , No standby for Refrigeration Systems is required.
13	How many dock levelers and dock sealers to be considered.	Need not to consider Dock leveler. Only consider 2 nos. dock seals for Freezer storage material dispatch.
14	On what basis Refrigeration units for Pre Cooler are to be designed?	For Pre-cooler room. capacity is 10 MT & Pull down is 3 hrs i.e. per day 50 MT products to be pre-cooled in 15 hr.
15	Ante Room for Cold Room and Freezer Room not considered	Ante room to be considered and should be adjusted within the Cold Room and Freezer Room Layout.
16	Strip Curtain or Air Curtain	All cold rooms/ freezer rooms doors are with PVC strip curtains
17	Angles / Flashings	All angles/flashings are as per our standard design
18	Door thickness is high for movement.	Cold room door leaf thickness is 100mm & for freezer it is 120mm---for Sliding type doors
19	Corners	3D Corners
20	Coving	To be considered
21	Lighting	Concealed , flushed with the roof

22	Flooring after insulation	Civil Contractor scope
23	QAP (Quality Assurance Parameters)	As per manufacturers QAP. UNFCC certification for Puff Panel should be provided

***Additional Clarifications***

1. PCC/RCC over our flooring insulation is in Civil contractor scope
2. Puff Panel for Pack house is to be considered in the Cold Room vendor scope.
3. False Ceiling is to be considered for Cold Room Component. Additional Ceiling load for PEB to be considered as @ 25 kg/ Sq meter.