

PRE-BID MEETING MINUTES

Tender no.: 001 dt: 18.04.2023

Pre-Bid Meeting date: 10.05.2023

Sr no	Page No of RFQ	Query Reference	Queries	CNP REMARK
M/s Pitney Bowes India Ltd., Mumbai				
1	GENERAL QUERIES		Throughput of each stacker	Tender condition prevails
2			No of Pallet Flow in each area to Calculate AGV & Truck Loading system Throughput	Details given at Page No. 24 clause no. 3.8.5
3			No of RGV 2 Nos Should we Quote as per Customer BOM or need to validate again, For validation we will required Layout with each block	To be quoted as per given BOM. However, any additional requirement which is not mentioned but required for successful operation has to be provided by the vendor.
4			No of AGV 6 Nos Should we Quote as per Customer BOM or need to validate again, For validation we will required Layout with each block	To be quoted as per given BOM. However, any additional requirement which is not mentioned but required for successful operation has to be provided by the vendor.
5			Foundation work & Required earthing including pit for the system will not be in the vendor Scope	Foundation and earthing will be carried out by vendor.
6			Since Layout is Not available, Do we require to prepare Layout? & If Layout is required then we need to Visit Site for Study.	Layout is to be prepared by the bidder. Provision for site visit was already mentioned in the tender document at SIT point no. 4. Also tentative lay will be provided along with the corrigendum

- ① Craftsman Automation *Shan (Anil Bhan)*
- ② CNC India Tools & Services Pvt Ltd *Rajendra (Rajshikhar. H. H. H. H.)*
- ③ Megabotic Machines Pvt Ltd *Shri (S. S. S. S.)*
- ④ Nandan GSE Pvt Ltd. *Jaboyish*
- ⑤ Address Technology *Sopangal*
- ⑥ SSB Group of Companies *Anand Prasad*
- ⑦ Pitney Bowes India, Mumbai. *Shri*
- ⑧ fox solutions Pvt Ltd *Shri*
- ⑨ Teiksha *Shri*

107 Eastro control system Pvt. Ltd.
→ *Shri*

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7		Each bundle will have machine printed label and bidder has to read these labels and create a data base with this information for entire process, in case any label is missing on the bundle, then bidder has to provide the equipment which can read the currency prefix and first three numbers and apply the fresh label on bundle or firm can devise their own mechanism to make this information available on the bundle and process the flow. The bundle shall have details like denomination, prefix, qty., production date & time or any other details deemed required	Need To discuss	Tender condition prevails
8		create a data base with this information for entire process	is customer have the capable server for database creation, storage and tracking purpose or need to consider the server?	Details given at Page Nio. 26, clause no. 7.0 (5)
9	21	There are three numbers of single note inspection machines	Scope of single note inspection machine	Not relevant
10			is it required to track the output of each single note inspection machine.	Tender condition prevails. There is no specific requirement.
11	23	The firm should provide a system to print the information on two sides of the box	Two consecutive side or two opposite side?	Consecutive side
12			send make list if available	List of makes for AGV are already provided in the tender document.
13	12	Terms & mode of payments	Advance payment, better payment terms considering the turnkey project & delivery timelines	Tender condition prevails
14	12	Warantee clause	Minimum 36 months	Tender condition prevails
15	14	Delivery timelines	36 weeks, need to discuss.	Discussed and the delivery period for completion of the entire project shall be 12 months from the date of issue of PO.
16	14	After Sales Service	Service & supplies, clarification required	Tender condition prevails

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17	44	Price	AMC	Tender condition prevails. Discussed with respect to the payment for the CAMC which will be made on Quarterly basis.
M/s Taikisha Engineering India Pvt. Ltd.				
18	Page 17	Point 2.2	Is there a variation on the size of the lot. / Is there a variation in the quantity of the lot.	No variation in size of the lot and Quantity of the lot
19	Page 18	Point no. 10	From where do we have to get the information ? Pint the data & paste on the bundle ?	Tender condition prevails
20	Page 18	Point 16 & 18	Printing is done twice ?	The details of the printing are different at both the stages. Please refer the respective 3.7.14 & 3.8.4.
21	Page 19	All points	The pallets sent for processing are further carried to the next zones or they are returned back ?	The pallets are not reutrned back in the intermitent stages. The empty pallets can be returned to the Block I after the loading at Finishing machine.
22	Page 19	Point 3.2	More clarity required on the fence design. (chain link ???)	Tender condition prevails
23	Page 19	Point 3.2.2	This sequence is bypassing the Integlow process ? ASRS 2 - > Block IV	Tender condition prevails
24	Page 20	Point 3.6.2	Trays to furnished are slotted /with peagion hole ?	Tender condition prevails. Bidder can propose the suitable box.
25	Page 20	Point 3.6.2	Tray size shall have 18 pocketss based on the bundle size. Need more clarity as to how do we intigrate 50 quantity v/s 18 pockets.	Tender condition prevails.
26	Page 20	Point 3.6.2	One tray will have only one type of currency notes. Please confirm.	Yes. One tray will have only one type of currency notes
27	Page 20	Point 3.6.2	At what location the bundles shall be taken out manually for cross checking purpose ?	The bundles shall be taken out before shrink pack as explained in the point 3.6.2
28	Page 21	Point 3.6.2	For parking area, how many storage spaces to be planned for incomplete trays?	Tender condition prevails
29	Page 21	Point 3.6.2	Need more clarity on Case III	Clarified
30	Page 23	Point 3.7.9	How the operator ensures the correct placement of the HDPE/LDPE plastic bag in the wooden box ?	Tender condition prevails. Operator's responsibility for the correct placement of the bag.
31	Page 23	Point 3.7.11	Shape of the box lid.	Rectangular as per the dimentions of the Box mentioned at 3.8.2.

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55			Whether to control RGV with wifi communication or other way?	As per design and requirement.
56			What will be RGV stopping method through sensor or by other ways?	As per design and requirement.
57			Need additional details for Bumper Sensor.	Tender condition prevails
58			Need additional details on Vehicle movement detection system.	As per design and requirement.
59		AGV	What is purpose of slam navigation?	Tender condition prevails
60			Whether AGV should be battery operated or any other advanced method we can suggest?	Tender condition prevails
61			Is the loading conveyor module is need between RGV & AGV for transferring goods?	As per design and requirement.
62			Do you need scissor lift or forklift mechanism over AGV for easy lifting of pallet which loading and unloading?	Forklift type
63			Whether to carry 2 AGV's on fork?	Clarified that as per Tender condition.
64			Can we consider maximum capacity for designing instead of minimum? if yes then kindly provide us with all maximum dimensional data.	Clarified that as per Tender condition.
65			What will be maximum turning radius of vehicle?	Tender condition prevails
66			Why there is requirement of 6 AGV?	Tender condition prevails
67			Do you want to integrate logistics to our AGV/RGV system?	Discussed and Tender condition prevails
68			Do you need the status of AGV/RGV to be shown on the screen in the control room monitor?	Yes.
69			What is the load bearing capacity of floor?	ASRS civil structure to be desinged by bidder
70			What is floor slab thickness?	ASRS civil structure to be desinged by bidder
71			What are numbers of working days for which system will be used in a month?	Every day
72			How many shifts in a day?	two shifts
73		How many hours in a day system will work?	9 hrs/ shift with 7 effective hrs	
74		No of pallets/totes/items received per day?	54 nos of pallets per day	
75		No of pallets/totes/items received per hour?	4 nos of pallets per Hr	
76		Days of Inventory cover?	7 days at each stage	
77		No of pallets/totes/items retrieved per day?	54 nos of pallets per day	

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78		ASRS	No of pallets/totes/items retrieved per hour?	4 nos of pallets per Hr	
79			Need additional details on ADDON system of each ASRS.	Tender condition prevails	
80			What about the 36 months warranty clause? Kindly explain.	Tender condition prevails	
81			1. Block-I Pre-conditioning ASRS – 1 - Given Data – 400 nos pallet Achievable Data after design – 306 nos pallet	Tender condition prevails	
82			2. Block-II: ASRS – 2 Given Data – 350 nos pallet Achievable Data after design – 306 nos pallet	Tender condition prevails	
83			3. Block-III - ASRS – 3 Given Data – 350 nos pallet Achievable Data after design – 306 nos pallet	Tender condition prevails	
84			4. Block-V – ASRS – 4 Given Data – 450 nos pallet Achievable Data after design – 672 nos pallet	Tender condition prevails	
85			5. Block – VIII: Finished Goods Storage section – ASRS 5 & 6 Given Data – 50000 nos wooden boxes Achievable Data after design – 10500 nos wooden boxes	Tender condition prevails	
86			ATPL	What is average size of truck?	Will be provided along with corrigendum
87				What is model of truck mostly used for handling?	TATA 407
88		What GVW of truck/container?		Will be provided along with corrigendum	
89		What is number of SKU to be loaded inside truck?		Maximum 50 boxes in one truck	
90		WMS	Is there any other automation system in your warehouse that needs to be integrated with the WMS?	There is no WMS	
91			Please list the Outbound Pick Logic, If any logic like FIFO...?	FIFO	
92			Do you have any transportation system? If yes, do they need to be integrated?	Tender condition prevails	
93			Please list the items which needs to be automated in WMS for suggesting to the user?	Tender condition prevails	
94			Is there any other system that needs to be integrated with the WMS? If yes, please list.	Tender condition prevails	

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95		Robotic & Cobotic	What is payload to be handled?	Minimum 50 kg at Automatic Packing & 1 Kg at Arrangement at Finishing machines
96			What will be maximum and minimum reach of robot?	As per design and requirement.
97			What will be speed of line over which material to be handled?	As per design and requirement.
98			Bundle and note checking process not in the correct flow of the total Process, Need clarification.	Clarified.
99			2nd robot for packing of bundles- Specification of the weight and distance not mentioned, kindly clarify the same	Clarified as per tender and design requirement
Addverb Technologies				
100			To understand the Scope of canopy for RGV protection from Rain Specifications Required	As per design and requirement.
101			To understand the requirement of RGV track with width of 610 mm What is the available width of the road?	Tender condition prevails
102			Throughput of Paper bundles movement from Main store to the Precondition Area (Boxes/hour) Data required	Weight and dimensions are mentioned at 3.1
103			Storage form of Paper bundles (Are they stored inside the Wooden box) Specifications Required	Yes
104			Pallet/Wooden Box dimensions, runner profile & scope of supply Data & specifications required	Weight and dimensions are mentioned at 3.1
105			Shift timing and schedule of Working hours Data required	9 hrs/ shift with 7 effective hrs
106			Paper bundles from Main store are directly stored inside the ASRS or sent to Machining Area? Process Flow required	Please refer 3.1
107			Drop and pick up points for AMR at the individual blocks Information required	As per design and tender requirement
108			Wooden Box/Pallet Drawing Data required	Weight and dimensions are mentioned at 3.1
109			Throughput of pallet movement from Individual blocks for storage & retrieval (ASRS) Data required	54 nos of pallets per day for retrieval and receipt each
110			Fencing is always required for ASRS (Need to clarify for ASRS 1 as well) All ASRS will be fenced for safety purpose (Anti climb Fencing)	Required

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111			Maximum Pallet weight, for individual ASRS process Data required	Pallet weight as per design. However, material weight & dimentions given at respective ASRS.
112			Any specific requirement of Safety doors for ASRS Specifications Required	As per design and requirement.
113			To understand the Intermediate movement of pallets between blocks. For various processes Pallet movement between the block Process Flow required	Process flow provided at 2.0
114			Bundle matrix in tray, orientation, and No. of bundles per Tray & Tray Dimensions Data required	Provided at 3.6
115			To understand the possibility of Multiple denominations in single Tray Information required	Not possible of Multiple denomination in single tray
116			To understand the provision of Shrink wrapping Machine and process scope Information required	Clarified
117			To understand the orientation and stacking matrix of Tray on AMR for movement Information required	Clarified
118			To understand the scope of Inspection Station for Bundle rectification in Block 6 Process Flow required	Clarified
119			Need more information of Descending order - Highest on top tray & lowest in bottom tray stacking process Information required	Tender condition prevails.
120			Is Bundle rejection, equivalent to tray rejection? Information required	No.
121			To understand the movement of trays to Sectional Vault - Transfer Via AMR Information required	As per tender requirement
122			To understand the process of Single Note Inspection Machine Process Flow required	The process of Single Note Inspection is CNP's machine.
123			To understand the Complete material flow of BLOCK 6 Information required	Clarified
124			Power Supply specifications & Scope of isolation transformer Specifications Required	Tender conditions prevails
125			Details of List of any specific certificates required for Bidder Information required	All statutory certificates

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