

PLC SYSTEM MACHINE PROGRAM SOFTWARE ALONG WITH ELECTRICAL/ELECTRONICS HARDWARE OF MACHINE
 PRE BID MEETING HELD ON 16.09.2023 AT 10.30AM.
 M/S.ADVANCE IRIS SEPRINTO PVT LTD., MUMBAI

Sr no	Point no	Description	Page no	Tender	Firm Observation	Query	CNP comments
1	1	SECTION VI: LIST OF REQUIREMENT	9	Required Delivery Schedule: The successful bidder has to work to be completed within 10 Months from the date of issue of Purchase Order	10 Months seems unrealistic to be fulfilled in accordance to the market standards, currently as lead time to get electronic PLC's in the market is 8-12 months	Regarding the amount of work, we estimate a minimum of 20 months of work according to our prior experience with existing customers.	The successful bidder has to complete the scope of work within 12 months from the date of issue of Purchase Order.
2		General		Entire tender Documents (Availability/ accessibility of the machine)	Nowher in the tender it is mentioned that the machine will be taken out of operation for the entire project duration (here 10 months). It seems that CNP expects all necessary parts to be ordered, delivered and then within may be 12 weeks to be installed. If cnp would limit the tender on the new PLC with new software development and the mentioned replacements, this would be exactly the content of an electrical electrical upgrade of the CutPak as expected by us.	The current components wil not fit the existing fixing of the old components. Serval mechanical adaptatons will be necessary and therefore please clarify how much machine time will we be given without restrictions during the whole project which is mandatory due to measuring, fitting-in and testing.	Machine will be available for successful bidder
3	5	SECTION VII: TECHNICAL SPECIFICATION	11	Complete replacement of proximity sensors, photo sensors, magnetic reed switches, pressure sensor, limit switches, safety switches, pressure switches, flow switches, micro switches, fans push buttons parcel meters, various drives, solid state modules, machine encoder, and incremental sensors, signal converters, voltage monitoring device, digital displays, amplifiers, blowers, cooling fans, contactors, relays, solenoid valve and coils, horn, Motor protection switches, main switch of the cabinet, timers including all electrical and electronics items.		Several points on the list touch mechanics as well and therefore the real amount of work, the costs and the technical risk go far beyond the expectations of CNP	As per Tender

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As per Tender

4	SECTION VII: TECHNICAL SPECIFICATION	Replacement of electro-mechanical components, will lead to changes/ replacements and even new developments of mechanical parts.	It's already mentioned that several points on CNP's list that affect electrical/ electronic parts, induce at least an adaption of mechanical parts too. Please realize that components from 1995, that are replaced with current parts have had different dimensions and mounting points, and functionality often cannot be matched one-to-one. Additional mechanical work therefore starts with mounting brackets/fixation supports etc. and even leads to newly developed solutions such as the replacement for the linear booster system. A few points below are described in detail to explain the fact of replacing / redesigning mechanical parts as well.	Tender is for upgradation of electrical and electronics only with minor mechanical changes without hampering the accuracy and smooth functioning of the machine.
5	SECTION VII: TECHNICAL SPECIFICATION 2.0 Scope of Work	Up Gradation of existing axis control linear booster system with latest version system at all 3 axis, i.e X, Y and W without hampering the functionality and accuracy of the axis positioning. The firm shall incorporate the wrong cutting prevention interlock system in the upgraded axis control system.	The old system consists of an DC motor driving a gear-pump, that supplies a hydraulic cylinder, that performs the linear movement of the respective axis. Today such old solutions are nowhere to be found in the world and certainly not as an up-to-date replacement.	Here it's necessary to develop a new solution that uses a linear motor. This new design must be integrated into the existing installation space of the machine, taking into account machine frames and possible mounting points, and at the same time must not collide with additional components or moving parts. (One reason for constant availability of the machine)
6	SECTION VII: TECHNICAL SPECIFICATION 2.0 Scope of Work	The firm shall upgrade the U axis (inclined pusher drive with latest version	To unload the collecting drums, the machine is equipped with two ramps, where the 1000 bundles are pushed up to be transported to the final counting stations.	During our visit we could see that the movement of the pushers is uneven, which leads some bundles to shift. As well the guide plates are bent, and banknotes often get stuck/crumpled and cause machine stops. This point for example is purely mechanical and will require a re-design of the sliders and their drives.
7	SECTION VII: TECHNICAL SPECIFICATION 2.0 Scope of Work	Up gradation of Main drive DC Motor and its controlling drive with switch gear.	with switch gear' means the replacement of a complicated, specially designed KBA- gear, which leads to a lengthy process of dismantling and measuring of the old switch gear components.	The re-designing and manufacturing of these components, functional testing and certainly several adjustments until the newly developed replacement unit will work properly.
8	SECTION VII: TECHNICAL SPECIFICATION 2.0 Scope of Work	Replacement of entire Pneumatic System solenoids with coil with latest one.	The replacement of the solenoid valves will induce a total re-design of the Pneumatic system and may also require new Cylinders.	As per tender and bidder's understanding is correct

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MSTC EVENT NO.82 (6000018391)- TENDER DOCUMENT FOR S.I.T.C FOR UP-GRADATION OF EXISTING MACHINE CONTROL SYSTEM WITH LATES
VAERSION PLC SYSTEM MACHINE PROGRAM SOFTWARE ALONG WITH ELECTRICAL/ELECTRONICS HARDWARE OF MACHINE

PRE BID MEETING HELD ON 16.09.2023 AT 10.30AM.
M/S. FOX SOLUTION PVT. LTD., NASHIK

Sr no	Point no	Description	Page no	Tender	Firm observation	Query	CNP comments
1	5	SECTION VII: TECHNICAL SPECIFICATIONS	11	2.0 SCOPE OF THE WORK : 5. Complete replacement of field instruments/ Component	CNP wish to replace the all field component but in tender quantity is not mention for anyone	Please give tentative quantity and technical specifications of critical instrument for technical clarity of scope.	Tender is for upgradation of electrical and electronics only with minimal mechanical changes without hampering the accuracy and smooth function the machine. BOM along with list of IOS will be provided
2		GENERAL		Counting Machine Integration	We have considered that, existing counting machine control system will be integrated as it is with new system without any upgradation	Please give scope clarity of this point.	As per tender conditions
3	1	SECTION VI: LIST OF REQUIREMENT	9	Required Delivery Schedule: The successful bidder has to work to be completed within 10 Months from the date of issue of Purchase Order		Considering the scope and site work of machine upgradation , delivery period should be 12 months.	The successful bidder has to complete the scope of work within 12 months from the date of issue of Purchase Order.

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MSTC EVENT NO.82 (6000018391)- TENDER DOCUMENT FOR S.I.T.C FOR UP-GRADATION OF EXISTING MACHINE CONTROL SYSTEM WITH LATEST VAERSION
 SYSTEM MACHINE PROGRAM SOFTWARE ALONG WITH ELECTRICAL/ELECTRONICS HARDWARE OF MACHINE

PRE BID MEETING HELD ON 16.09.2023 AT 10.30AM.
 M/S.Leading Edge Systems Pvt. Ltd.,Mumbai

Sr no	Point no	Description	Page no	Tender	Firm Observation	Query	CNP comments
1	1	General					Bill of Materila & PLC IO's details will be provided along with corrig Electrical circuit diagram will be provided to successful bidder
2	8	SECTION VIII: TECHNICAL SPECIFICATION 2.0 Scope of Work	12	Replacement of the all AC and DC motors of all units including Hydraulic unit.	Is replacement of hydraulic valves and cylinders are alos in vendor scope	Clarify	Solenoid Coils & Valves Hydraulic circuits will be provided along corrigendum.
3		General			Scope of customer supply and work is not clear.	Clarify	Clarified as per tender document
4		General			How many days will be allowed to study electrical and mechanical components before dismantling.	Clarify	Machine will be given to successful bidder after placement of order study within the delivery schedule
5		General			Any Mechanical changes are allowed apart from above linear booster system, if required.	Clarify	Clarified as required within the scope of work without hampering as and smooth functioning of the machine
6		General			Total period of execution of work.	Clarify	12 months
7		General			Can we built panel at our work shop and then assemble here for machine wiring and testing	Clarify	Panel can be built outside CNP premises within the scope of work assembled & installed in CNP
8		General			Is change of make of any sensor/ electrical components is possible after job is allocated	Clarify	As per tender & Bill of Material Makes will be mentioned
9		General			Payment terms	Clarify	Clarified as below: 80% payment of material price with 100% tax shall be paid upon submission of Bank Guarantee for 100% invoice value. Price Schedule will be amended accordingly
9	2	SECTION VII: TECHNICAL SPECIFICATION 3.0 Terms & Conditions	12	The firm shall have to restore the old system in case of failure of the upgraded system ensuring all the function and production capacity bundle/minute of the Cutpak machine as it is.		Clarify	As per tender

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