

**SYAMA PRASAD MOOKERJEE PORT, KOLKATA
KOLKATA DOCK SYSTEM**

NIT No. **SMP/KDS/Mech/SP-II/ADV/571** dated **03.02.2021**

FOR

Automation of operating system of existing NSD Lock Gate of SMP, Kolkata including one year's operation on commissioning and thereafter comprehensive annual maintenance contract for further 5 (five) years

ADDENDUM-II

Sl. No.	Reference of existing clause	As mentioned in the tender document having	To be read as
1.	Section VII of the tender document: Schedule of Price	-----	The Revised Format marked as R1 containing all details and R2 for bidding (entering price in the Price Bid) is enclosed alongwith Addendum – I.
2.	To be added at the end of Section VI of the tender document: Scope of Work including Technical Specification	-----	-----
2.1	-----	-----	Power to be provided for each PLC room: 6 KVA

2.2	-----	-----	Schematic layout: The contractor shall furnish a schematic layout of the proposed work immediately after receipt of the work order. If demanded by the Port, the contractor shall have to amend the same.
2.3	-----	-----	Approval / consent: The contractor shall obtain approval / consent from the representative of SMP, Kolkata in respect of layout and any other issue as may be required.

3.	Clause No. 5 of the Special Conditions of Contract on Completion Period	Within 6 months from the date of receipt of Order Letter by the contractor.	<p>Completion Period:</p> <p>(a) Within 8 months from the date of receipt of Order Letter by the contractor.</p> <p>(b) However, Lock is required to be operated anytime round the clock on all days of the year depending on the schedule of vessel movement in accordance with availability of tide. As a result, no separate shutdown can be offered for installation and commissioning of the proposed automation system. The said activities shall have to be completed in between lock operations.</p> <p>(c) The contractor shall furnish a BAR Chart of the proposed work immediately after receipt of the work order that should be in line with the scheduled completion period. If demanded by the Port, the contractor shall have to amend the same.</p>
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4.	Clause No. 35 of the Special Conditions of Contract on TERMS OF PAYMENT	<p>Stages of payment:</p> <p>i) Against Supply & Delivery: 40% payment shall be made against 'supply and delivery' of all the materials as per Bill of Quantity at site and submission of bill alongwith Custodian Certificate and other relevant documents like Inspection Reports, Challans, etc.</p> <p>ii) Payment for balance 60 % amount shall be made against Testing, successful commissioning and taking over the commissioned installation by SMP, Kolkata and submission of bills alongwith 'Work Completion Certificate' as well as submission of all drawings, Manuals for operation and maintenance and training of port personnel as stipulated in this tender document.</p>	<p>A. Against Supply & Delivery:</p> <p>i) 60% payment shall be made against 'supply and delivery' of all the materials as per Bill of Quantity at site and submission of bill alongwith Custodian Certificate and other relevant documents like Inspection Reports, Challans, etc.</p> <p>ii) Payment for balance 40 % amount shall be made against installation, Testing, successful commissioning and taking over the commissioned installation by SMP, Kolkata and submission of bills alongwith 'Work Completion Certificate' as well as submission of all drawings, Manuals for operation and maintenance and training of port personnel as stipulated in this tender document.</p>
		<p>b) Against Installation:</p> <p>i) Payment for 50% amount shall be made against installation of the respective items and submission of bills along with Installation Certificate.</p> <p>ii) Payment for balance 50% amount till commissioning of the entire work shall be made against testing, successful commissioning, taking over the commissioned job by SMP, Kolkata and submission of bills, alongwith 'Work Completion Certificate' as well as submission of all drawings, Manuals for operation and maintenance and training of port personnel.</p>	<p>B. Against Installation, testing and commissioning:</p> <p>100% payment shall be made against installation, Testing, successful commissioning and taking over the commissioned installation by SMP, Kolkata and submission of bills alongwith 'Work Completion Certificate' as well as submission of all drawings, Manuals for operation and maintenance and training of port personnel as stipulated in this tender</p>

		<p>c) Against Commissioning: 100% payment shall be made against Testing, successful commissioning, taking over the commissioned job by SMP, Kolkata and submission of bills, alongwith 'Work Completion Certificate' as well as submission of all drawings, Manuals for operation and maintenance and training of port personnel.</p>	document.
		<p>d) Against Operation & Manning for Guarantee obligation during one year after commissioning: Prorata payment shall be made on quarterly basis after successful completion of each quarter of the post commissioning year with 'Work Done Certificate' from the representative of SMP, Kolkata.</p>	<p>C. Against Operation & Manning for Guarantee obligation during one year after commissioning: Prorata payment on respective amounts shall be made on quarterly basis after successful completion of each quarter of the post commissioning year with 'Work Done Certificate' from the representative of SMP, Kolkata.</p>
		<p>e) Against yearly CAMC: Prorata payment on 100% value of the respective year shall be made against the bill raised by the contractor on quarterly basis after successful completion of each quarter of the yearly CAMC period with 'Work Done Certificate' from the representative of SMP, Kolkata.</p>	<p>D. Against yearly CAMC: Prorata payment on 100% value of the respective year shall be made against the bill raised by the contractor on quarterly basis after successful completion of each quarter of the yearly CAMC period with 'Work Done Certificate' from the representative of SMP, Kolkata.</p>

5.1	Cover page & Schedule of Tender under Section III	Date of closing of online submission of bid: Upto 15-00 hrs. on 11.03.2021	Date of closing of online submission of bid: Upto 15-00 hrs. on 23.03.2021
5.2	-do-	Date of opening of techno-commercial bid: Upto 15-00 hrs. on 12.03.2021	Date of opening of techno-commercial bid: Upto 15-00 hrs. on 24.03.2021

QUERIES BY PROSPECTIVE BIDDERS AND CLARIFICATIONS THEREON BY SMP, KOLKATA

Sl. No.	Queries	Clarifications
1	Control Instruments and Panels: Only 4 nos are mentioned in the Price Schedule, but 6 location are present i.e. 4 for penstock gates and 2 for winch rooms.	Please see relevant items of Revised Format marked as R1 enclosed with this Addendum - II
2	Hot Redundant PLC for each PLC Panel to be considered or not. Any Central / Supervisory PLC is required or not.	-do-
3	Any Large Screen / LVS is required or not.	-do-
4	PLC Programming software to be handed over to KPT or not.	-do-
5	HMI Hardware: 2 nos HMI but 4 nos panel are mentioned, please clarify. As the price for HMI vary significantly on screen size, so request you to kindly specify the exact size of the screen.	-do-
6	Any Hardware Firewall required or not for Control Room	-do-
7	Panel: SS 316 are mentioned in the specification. Please confirm if the mounting board of the panel can be CRCA power coated / GI Sheet / Fibre Sheet.	-do-
8	SCADA / PC Based monitoring System: Please mentioned the minimum Tags required for the SCADA Software	-do-

9	Open Channel Level Transmitter: Please confirm Radar or Ultrasonic type, and sensing distance. Please clarify the location of 11 nos as mentioned in the price bid	-do-
10	Insertion type level transmitter: Please clarify the type and its application. Also location of 10 nos transmitter, as mentioned in the price bid.	-do-
11	Float Switches: Please clarify the application and location of 4 nos switches.	-do-
12	Pressure Transmitter : Please clarify the application and location of these sensor	-do-
13	Motorised Control Valve : Please clarify the whether any pushbuttons / switches required on the actuator or not. Motorised Valve for Spare Cassion Gate is required or not.	-do-
14	Ethernet Cable: Any special armouring requirement or not such as Screened / Shielding	-do-
15	CCTV: Please mention the Storage Capacity of NVR, the Infrared Range of the camera, quantity of PTZ and Bullet camera. Any Special requirement for Marine Application or not. Any VMS Software required or not. Integration with SCADA Desktop required or not	-do-
16	Limit Switches: What would be the type of limit switches for Penstock Hydraulic Cylinder. As we understand the Hydraulic Cylinder is submerged, kindly clarify the procedures to fix the limit switches without dry condition.	-do-
17	Power DB with Transformer: Please clarify the incoming and outgoing details	-do-
18	Please confirm the type of Cable Reeling drum Such Spring Type / Motorised. Diameter and mounting arrangement.	-do-
19	Fibre Optic Cable: Please confirm if Armoured OFC required or not: Please confirm Single Mode or Multimode	-do-
20	Earth pit: 5 nos earth pits are mentioned in the Price Bid. please clarify the number of power and instrumentation earth pit.	-do-
21	Please clarify the LED Digital Display board with Limit Switches and Hooter and Annunciator.	-do-

22	For Online 3KVA UPS: Please mention the backup time required or battery Volts and AH	-do-
23	Authorisation letter from PLC / SCADA is mentioned. Any Authorisation from other Manufacturer such as Level Transmitter, Motorised Control Valves required or not.	Not required.
24	As understood from prebid meeting, no dedicated shutdown shall be given. Hence completion period should be minimum 9 months from the effective date of contract.	Please see Sl. No. 3 of Addendum – II.
25	Applicable items based on quality assurance be reviewed and cleared for despatch by competent authority of the customer.	Please see Sl. No. 2.3 of Addendum – II.
26	40% payment on supply items is not acceptable. It may be 70% of supply value.	Please see Sl. No. 4 of Addendum – II.
27	Proposed payment of 60% on supply value against commissioning is no very higher side.	Please see Sl. No. 4 of Addendum – II.
28	No break up is available in payment terms for commissioning.	
29	Time for preparation of tender after uploading of addendum is not adequate and hence, the time may be extended to 30 days from the date of hoisting of addendum.	Please see Sl. No. 5 of Addendum – II.

Note:

1. The ADDENDUM –I & ADDENDUM –II should be read in conjunction with the Tender Document (including Notice Inviting Tender) as well as enclosed lists R1 (containing details in respect of location-wise breakup, specification, makes wherever felt important to be mentioned of all items to be provided) and R2 (containing revised Schedule of Price) .
2. Consequential changes, arising out of this ADDENDUM –I &ADDENDUM-II and clarifications, shall be deemed to have been effected, even if the same were not incorporated specifically in the Tender Document.
3. All other terms and conditions of the Tender Document (including Notice Inviting Tender) shall remain unchanged.

Date: 25.02.2021

Chief Mechanical Engineer