

**COCHIN PORT AUTHORITY**  
An ISO-9001:2008 & ISPS Compliant Port

**ADDENDUM / CORRIGENDUM NO.4**

**TENDER FOR  
RECONSTRUCTION OF Q2-Q3 BERTHS AT MATTANCHERRY WHARF OF COCHIN  
PORT (RETENDER)  
(Tender No.T10/T-2093/2026-C)**

The following clauses in the Bid Document stand renumbered / modified / replaced / added / deleted as below:

Sl. No.	Reference Clause No.	Section / Volume	Renumbered as / Modified as / Replaced with / additional details / deleted
1.	NIT- Table-3 Sl. No.(v) Form of Bid Memorandum Sl. No.(g) and other places	Section - I Page No.7 and Section - I Page No.36 and other places	Time for Completion / Time allowed for the work from the date of commencement of work : 24 (Twenty four) months  <b><i>is replaced as</i></b>  Time for Completion / Time allowed for the work from the date of commencement of work : <b>18 (Eighteen) months</b>
2.	NIT and Clause 2 of Instruction to Tenderers	Section - I Page No.10 of bid document and Section - I Page No.14 of bid document	<b><u>New Clause is added as follows:</u></b> <b>Sub Clause 13(a) of NIT &amp; 2(a) of Instruction to Tenderers</b> Micro and Small Enterprises (MSE's) Bidders who are registered with District Industries Centre (DIC) or Khadi and Village Industries Commission (KVIC) or Khadi and Village Industries Board (KVIB) or Coir Board or National Small Industries Corporation (NSIC) or directorate of Handicrafts and Handlooms or Udyog Aadhaar Memorandum or any other body specified by Ministry of MSME for similar nature of Works shall be eligible for issue of Bid Document free of cost and exemption from payment for issue of tender document & payment of EMD. They are required to submit documentary proof of such registration along with the offer, as detailed in Instructions to Bidders, for claiming the available exemptions and a scanned copy of Exemption Certificate duly notarized shall be uploaded in the e- Tender Portal. If the Registration Certificate does not pertain to the Category of "Similar Works" mentioned above, the Tender will be rejected.
3.	Section I, Clause-2.16	Section - I Page No.14 of bid document	<b><u>Sub-Clause 2.16</u></b> The contractor shall be registered under EPF and ESI Act and the employees employed under them shall be covered in the EPF and ESI scheme. Work Order shall be issued only to the contractors who are registered under EPF organization and ESI Corporation. The contractors shall regularly remit the employer and employee contribution to the authorities. If not, the Department would remit the same and the amount so remitted shall be deducted from the part/final bill of contractors.  <b><i>is replaced as</i></b>  <b><u>Sub-Clause 2.16</u></b> The contractor shall be registered under EPF and ESI Act and the employees employed under them shall be covered in the EPF and ESI scheme. Work Order shall be issued only to the contractors who are registered under EPF organization and ESI Corporation. The contractors shall regularly remit the employer and employee contribution to the authorities and produce documentary evidence for the same. If not, the Department would remit the same and the amount so remitted shall be deducted from the part/final bill of contractors.

All Addendum/ Corrigendum shall form part of the Bid Document and shall be duly signed and submitted along with the Bid by the Bidder

4.	Section I, Clause -34.1	Section - I Instruction to Tenderers - Page No.27-28 of bid document	<p><b><u>Sub-Clause 34.1</u></b>                  Within not later than 21 days for domestic bids and 28 days for international bids from the date of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance Security in the form of Bank Guarantee (BG) for an amount equivalent to 5% of the Contract price rounded off to the nearest Rs.1,000/- in the following forms;                  (i) Banker's Cheque/Demand Draft/Pay Order of a Scheduled Bank.                  (ii) An irrevocable Bank Guarantee (BG) enforceable and encashable at Cochin, drawn from any scheduled bank operating in India as per the proforma.</p> <p><b><u>is replaced as</u></b></p> <p><b><u>Sub-Clause 34.1</u></b>                  Within not later than 21 days for domestic bids and 28 days for international bids from the date of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance Security in the form of Bank Guarantee (BG) for an amount equivalent to 5% of the Contract price rounded off to the nearest Rs.1,000/- in the following forms;                  (i) Banker's Cheque/Demand Draft/Pay Order of a Scheduled Bank.                  (ii) An irrevocable Bank Guarantee (BG) enforceable and encashable at Cochin, drawn from any scheduled bank operating in India as per the proforma.                  (iii) Insurance Security Bond drawn in favour of the FA &amp; CAO, CoPA from any Nationalized Bank / Scheduled Bank in India as per the proforma.</p>																		
5.	Section I, Clause-35	Section - I Page No.28 of bid document	<p><b><u>Sub-Clause 35</u></b>                  The successful tenderer will be required to execute an Agreement at his expense within 28 (twenty eight) days from the date of work order, on proper value Kerala State Stamp Paper in the prescribed form. The agreement as finally executed will include the Employer's Bid Documents and the Bidder's offer as finally accepted by the EMPLOYER together with addendum/corrigendum, bid clarification and all correspondences exchanged between EMPLOYER and the bidder, if any. Till the formal agreement is executed, the Letter of Acceptance together with the offer as finally accepted along with correspondences shall form a binding contract between the two parties.</p> <p><b><u>is replaced as</u></b></p> <p><b><u>Sub-Clause 35</u></b>                  The successful tenderer will be required to execute an Agreement at his expense within 28 (twenty eight) days from the date of work order, on proper value Kerala State Stamp Paper in the prescribed form. The agreement as finally executed will include the Employer's Bid Documents and the Bidder's offer as finally accepted by the EMPLOYER together with addendum/corrigendum, bid clarification and all correspondences exchanged between EMPLOYER and the bidder, if any. Till the formal agreement is executed, the Letter of Acceptance together with the offer as finally accepted along with correspondences shall form a binding contract between the two parties.                  The Contractor shall submit 12 (Twelve) copies of signed agreement excluding original in bound volume at their own cost.</p>																		
6.	Section I - 2.Contract Data	Section I Page -46 of bid document	<table border="1"> <tr> <td colspan="3" data-bbox="470 1697 1457 1736"><b><u>Sl. No. 33</u></b></td> </tr> <tr> <td data-bbox="470 1736 526 1809">33</td> <td data-bbox="526 1736 1228 1809">Base Rate for materials to be considered for price variation</td> <td data-bbox="1228 1736 1457 1809"><b>(47)</b></td> </tr> <tr> <td></td> <td data-bbox="526 1809 1228 1848">(i) Cement consumed for various items of work:</td> <td data-bbox="1228 1809 1457 1848">N A</td> </tr> <tr> <td></td> <td data-bbox="526 1848 1228 1886">(ii) Reinforcement steel used under various items</td> <td data-bbox="1228 1848 1457 1886">N A</td> </tr> <tr> <td></td> <td data-bbox="526 1886 1228 1924">(iii) Structural Steel used under various items</td> <td data-bbox="1228 1886 1457 1924">N A</td> </tr> <tr> <td></td> <td data-bbox="526 1924 1228 1975">(iv) Mild steel plates for fabrication of liners</td> <td data-bbox="1228 1924 1457 1975">N A</td> </tr> </table>	<b><u>Sl. No. 33</u></b>			33	Base Rate for materials to be considered for price variation	<b>(47)</b>		(i) Cement consumed for various items of work:	N A		(ii) Reinforcement steel used under various items	N A		(iii) Structural Steel used under various items	N A		(iv) Mild steel plates for fabrication of liners	N A
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7.	Section II, General Conditions of Contract - Clause 51	Section - II Page No.114 of bid document	<p><b><u>New Clause is added as follows:</u></b></p> <p><b><u>Sub-Clause 51.7 under Clause 51 - Advance Payment</u></b>  Upon completion of casting of precast members, 75% of the payment for the item of Providing RCC for precast members shall be made, if requested by the contractor in writing. The balance 25% payment shall be made after transporting the precast members and placing them in position to lines and levels and on completion of cast-in-situ concreting part. It is clarified that payment for providing reinforcement in precast members will be made separately as per Bill of Quantities.</p>																		
8.	Section II, General Conditions of Contract - Clause 52.3	Section - II Page No.115 of bid document	<p><b><u>New Clause is added as follows:</u></b></p> <p><b><u>Sub-Clause (iii) under 52.3 - Performance Security</u></b>  The Performance Security shall be provided by the Contractor to the Employer ..... shall be furnished in one of the following forms:  (iii) Insurance Security Bond drawn in favour of the FA &amp; CAO, CoPA from any Nationalized Bank / Scheduled Bank in India as per the proforma.</p>																		
9.	Section III, Clause-6.1.1 Facilities Provided by Port-Contractor's work area:	Section - III Page No.149 of bid document	<p><b><u>Sub-Clause 6.1.1</u></b>  The land of about 3060 m<sup>2</sup> near to the construction location, will be made available to the contractor, free of rent for setting up site office, store, casting yard, batching plant etc., as shown in the drawing No. 9781-06-2025 at Section IV- Part (III). The work area shall be fenced with GI/ Aluminium/ Galvalume sheet for a height of 3/5 m as per the directions of Engineer-in-Charge without any additional payment.</p> <p><b><u>is replaced as</u></b></p> <p><b><u>Sub-Clause 6.1.1</u></b>  The land of about 3060 m<sup>2</sup> near to the construction location, will be made available to the contractor, free of rent for setting up site office, store, casting yard, batching plant etc., as shown in the drawing No. 9781-06-2025 R1 dated 16/04/2026 at Appendix-I. The work area shall be fenced with GI/ Aluminium/ Galvalume sheet for a height of 3 m as per the directions of Engineer-in-Charge without any additional payment.</p>																		
10.	Section III, 2- Special conditions, Clause-3.4	Section - III Page No.160 of bid document	<p><b><u>Sub-Clause 3.4</u></b>  The Contractor shall engage Class B Electrical licensee holder or firm for carrying out the Electrical works.</p> <p><b><u>is replaced as</u></b></p> <p><b><u>Sub-Clause 3.4</u></b>  The Contractor shall engage Class B Electrical licensee holder or firm for carrying out the Electrical works and the contractor shall obtain approval for the same from Engineer-in-Charge (Electrical).</p>																		

<p>11.</p>	<p>Section III, 2. Special Conditions of Contract- Price Variation:</p>	<p>2. Special Condi tions of Contract Page No.162 of bid docume nt</p>	<p><b><u>New Clause is added as follows:</u></b> <b><u>Clause 9(a) under the Sub-Clause 9.2:</u></b></p> <p><b>9.A BASIC RATES AND ADJUSTMENT FOR SUBSEQUENT PRICE VARIATION</b></p> <p>9.A.1 No price adjustment shall be made other than for the variation in price of cement, reinforcement steel, Mild Steel plate, Structural steel and Steel sheet pile. The price adjustment for variation in price of cement, reinforcement steel, Mild Steel plate, Structural steel and Steel sheet pile shall be made as detailed below.</p> <p>9.A.2 These are base rates applicable at the supplier's local delivery point and shall not include cost of loading to contractor's vehicle, transporting to work site and unloading and stacking at work site.</p> <p>9.A.3 Compensation for variation in cost of cement, reinforcement steel, mild steel plates and Structural steel shall be regulated as described in the clause 3.4 below subject to the condition that such compensation for variation in prices shall be only for the work done during the stipulated period of the contract including such period for which the validity of the contract is extended under the provisions of the contract, without any action by which contractor is made to pay compensation as per clause 49 of General Conditions of Contract (GCC).</p> <p>9.A.4 During execution and actual procurement by the contractor, increase or decrease in the cost of cement, reinforcement steel, mild steel plate over the basic cost (which results in an increase or decrease of cost to the contractor in carrying out the works) shall form an addition or reduction as the case may be to or from the contract price and shall be paid to or allowed by the contractor accordingly, provided that such increase or decrease shall relate only to the quantities of material which the Engineer-in-charge is satisfied was reasonably required for the works. While considering the reasonable requirement of cement, and steel for the work, allowance towards wastage/unusable cutting bits shall be permitted limited to (+)2% in the cases of cement, (+) 5.99% in the case of both steel reinforcement and mild steel plate/ sections. The prices of materials considered for regulating the payment as aforesaid shall be the price charged by the suppliers approved by the Engineer-in-charge at the supplier's local delivery point and this shall not include the cost of loading to the contractor's vehicle, transporting to the work site and unloading and stacking at work site. The contractor is free to procure materials from approved dealers. However, price of materials considered will be price charged by the approved suppliers.</p> <p>9.A.5 Sample Calculation</p> <p>Item No.10 of Part-B, Providing and placing in position reinforcement in cages inside the marine pile bore using CRS High strength deformed TMT steel bars of Fe500D/Fe550D grade as per IS1786 including cost of all materials, labour, transporting to site, cutting, bending, welding, lapping, tying, binding, fabricating into cages, installing in position, providing cover blocks, hire charges of all equipment, machinery etc. complete as per drawings, detailed specifications and directions of Engineer-in-charge. (The reinforcement bars, authorised laps, lifting hooks, development lengths, stiffening rings/bars etc. As per approved bar bending schedule, will be measured &amp; paid for).</p> <p>Departmental Rate for 1 Tonne : Rs.1,20,059.70 Assume percentage quoted by the Contractor be (-)8% Base price of reinforcement steel as : Rs.7,492.50 / Qtl. per Contract data Let 100T of work is done for this item The cost of work done = 100 x 1,20,059.70 x (100-8)/100 = Rs.1,10,45,492.40</p>
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			<p>Price Adjustment as per Clause 9A,          Let invoice price of steel be Rs.43,000.00          The price adjustment = 100 x (43000 –7,492.50 x 10)          = Rs.(-)31,92,500.00          Therefore, the amount payable to the Contractor on account of work done for item No.10 = 1,10,45,492.40 + (-)          31,92,500.00          = Rs.78,52,992.40</p>
12.	Section III, 2- Special conditions, Clause-51.3	Section - III Page No.167 of bid document	<p><b><u>Sub-Clause 51.3</u></b>          Mobilization Advance and Construction Equipment Advance shall be paid at <b>SBI PLR + 2%</b> interest rate and against Bank Guarantee for Mobilization Advance and against hypothecation of Construction Equipment to the Employer.  <i><b>is replaced as</b></i>  <b><u>Sub-Clause 51.3</u></b>          Mobilization Advance and Construction Equipment Advance shall be paid at <b>SBI MCLR + 2%</b> interest rate per annum and shall be made in two equal instalments and against Bank Guarantee for Mobilization Advance and against hypothecation of Construction Equipment to the Employer.</p>
13.	Section IV, 1- Technical Specifications, Clause-1.3.6	Section - IV Page No.27/185 of TS	<p><b><u>Add the following under the Sub-Clause 1.3.6</u></b>          A complete report of each pile test, including description of the equipment used, <b><u>screenshots of dial gauge of field equipments, and</u></b> ..... to the Engineer-in-charges's Representative or his nominee as soon as it is available.</p>
14.	Section IV, 1- Technical Specifications, Clause-2.13.1 Formwork Construction	Section - IV Page No.73/185 of TS	<p><b><u>Add the following Clause under the Sub-Clause 2.13.1:</u></b>          The steel/ marine plywood formwork shall be used for concrete work. However, for precast units, steel form work shall only be used. The form work shall be designed and constructed to the shape, lines and dimensions shown in the drawings within the tolerance limit and specified in clause 11.1 of IS:456-2000. Joints of the form works shall be made water tight by providing suitable beadings /gasket as approved by the Engineer-in-Charge.</p>
15.	Section IV, 1- Technical Specifications, Clause-2.17.6 Precast Concrete units-Moulds	Section - IV Page No.88/185 of TS	<p><b><u>Add the following Clause under the Sub-Clause 2.17.6:</u></b>          For precast units, steel form work shall only be used. The form work shall be designed and constructed to the shape, lines and dimensions shown in the drawings within the tolerance limit and specified in clause 11.1 of IS:456-2000. Joints of the form works shall be made water tight by providing suitable beadings /gasket as approved by the Engineer-in-Charge.</p>
16.	Section IV, 1- Technical Specifications, - Clause-6.11 - Painting of Bollards	Section - IV Page No.147/185 of TS	<p><b><u>Sub-Clause 6.11</u></b>  <b>Painting of Bollards</b>          All bollards, whether or not mentioned on the drawings shall be painted after installation with one coat of primer of red oxide, zinc chrome paint conforming to IS 2074 "Ready mixed paint red oxide zinc chrome priming" and two coats of finishing paint of yellow colour to IS 2933 "Enamel, exterior (a) Undercoating (b) finishing". The rates quoted by the contractor shall be deemed to be inclusive of cost of painting etc., complete. Surfaces of metal against which concrete will be placed, shall be free from oil, grease or other objectionable matter.  <i><b>is replaced as</b></i>  <b><u>Sub-Clause 6.11</u></b>  <b>Painting of Bollards</b>          All bollards, whether or not mentioned on the drawings shall be shot blasted and coated with zinc rich primer of 50 microns and two coats of marine grade high build epoxy solid paint (150 microns each) etc. complete as per drawing, detailed specifications and directions of the Engineer-in-charge. The rates quoted by the contractor shall be deemed to be inclusive of cost of painting etc., complete. Surfaces of metal against which concrete will be placed, shall be free from oil, grease or other objectionable matter.</p>
17.	Section IV, 1- Technical	Section - IV	<p><b><u>All the specifications mentioned under the Sub-Clause.9.2 [Protective coating of concrete surfaces] shall be deleted and replaced with the</u></b></p>

	Specifications, - Clause-9.2 - Protective coating of concrete surfaces	Page No.182 & 183/185 of TS	<p><b><u>following</u></b></p> <p><b><u>9.2.1 Surface Preparation:</u></b> It shall be ensured that the concrete is cured for a minimum of 21days. The surface is to be made rough and free from Laitance and other contaminants by sweep blasting/ manual scraping, wire brushing.</p> <p><b><u>9.2.2 Application:</u></b> Shall follow the procedure mentioned in the Technical Data Sheet of the Manufacturer, the Schedule of Quantities and directions of Engineer-in-Charge. The specification of the protective coating system is given below:</p>							
				1 <sup>st</sup> coat	2 <sup>nd</sup> Coat & 3 <sup>rd</sup> Coat	Finishing coat				
			Type	Two Pack Epoxy, cold cured	Two pack, Epoxy Top Coat	Two pack aliphatic polyurethane				
			Composition	Two pack, Interpenetrating Polymer Network technology based Epoxy Coating/sealer	Two pack, Interpenetrating Polymer Network technology based Epoxy Coating	Aliphatic Isocyanate with pigments				
			Mixing Ratio	Base: Catalyst; 1:1 by volume	Base: Catalyst; 1:1 by volume	Base: Catalyst; 1:1 by volume				
			Application	Brush, Roller or Airless and conventional spray	Brush, Airless spray	Air/ Airless spray , Brush				
			Recommended DFT	50µs per coat	100µs per coat	50 µs <b>per</b> coat				
			Colour	Clear/ Grey	Assorted shades	Assorted				
			Finish	Matt	Smooth and Semi Glossy	Semi Glossy / Glossy				
18.	Schedule-II, Price Bid, Part A, Item No 3	Schedule-II, Page No.1/5	<b><u>SI.No.3 of Part A- Bill of Quantities</u></b>							
			Sl. No.	Sub-heads and items of work	Approximate Quantity	Unit	Departmental Rate (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words

			3	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all lifts involved.	2700.00	m3	293.83	Rupees Two Hundred Ninety Three and Eighty Three Paise Only	7,93,345.80	
<b><u>is replaced as</u></b>										
<b><u>SI.No.3 of Part A- Bill of Quantities</u></b>										
			<b>Sl. No.</b>	<b>Sub-heads and items of work</b>	<b>Approximate Quantity</b>	<b>Unit</b>	<b>Departmental Rate (Rs)</b>	<b>Departmental Rate in Words</b>	<b>Departmental Amount in Rs.</b>	<b>Departmental Amount in Words</b>
			3	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground within 6 km from project site or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads	2700.00	m3	293.83	Rupees Two Hundred Ninety Three and Eighty Three Paise Only	7,93,345.80	Rupees Seven Lakh Ninety Three Thousand Three Hundred Forty Five and Eighty Paise Only

				including all lifts involved.							
19.	Schedule-II, Price Bid, Part A, Item No 4	Schedule-II, Page No.1/5	<b><u>SI.No.4 of Part A- Bill of Quantities</u></b>								
			Sl. No	Sub- heads and items of work	Approximate Quantity	Unit	Departmental Rate (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words	
			4	Removal and disposal of existing bollards and fenders from the existing berth within the demolition area, as directed by the Engineer-in-Charge	4.00	Nos.	1,00,000.00	Rupees One Lakh Only	4,00,000.00	Rupees Four Lakh Only	
			<b><u>is replaced as</u></b> <b><u>SI.No.4 of Part A- Bill of Quantities</u></b>								
			Sl. No	Sub- heads and items of work	Approximate Quantity	Unit	Departmental Rate (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words	
			4	Removal and disposal of existing bollards and fenders from the existing berth within the demolition area, as directed by the Engineer-in-Charge and handing over to the Employer's representative.	4.00	Nos.	1,00,000.00	Rupees One Lakh Only	4,00,000.00	Rupees Four Lakh Only	
19	Schedule-II, Price Bid, Part B, Item No 7	Schedule-II, Page No.2/5	<b><u>SI.No.7 of Part B- Bill of Quantities</u></b>								
			Sl. No	Sub- heads and items of work	Approximate Quantity	Unit	Departmental Rate (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words	
			7	Transporting the fabricated MS liners fabricated as per item No. 2 above from the fabrication yard to pile location, handling, pitching and driving the MS liners to required level and verticality including setting piling rigs/ gantry in position,	1050	Nos	36,501.00	Rupees Thirty Six Thousand Five Hundred One Only	38,32,605.00	Rupees Thirty Eight Lakh Thirty Two Thousand Six Hundred Five Only	

*All Addendum/ Corrigendum shall form part of the Bid Document and shall be duly signed and submitted along with the Bid by the Bidder*

			temporary works for driving piles etc. complete all as per detailed specifications and directions of the Engineer-in - charge.							
<b>is replaced as</b>										
<b><u>SI.No.7 of Part B- Bill of Quantities</u></b>										
			<b>Sl. No.</b>	<b>Sub- heads and items of work</b>	<b>Approximate Quantity</b>	<b>Unit</b>	<b>Departmental Rate (Rs)</b>	<b>Departmental Rate in Words</b>	<b>Departmental Amount in Rs.</b>	<b>Departmental Amount in Words</b>
			7	Transporting the fabricated MS liners fabricated as per item No.6 above from the fabrication yard to pile location, handling, pitching and driving the MS liners to required level and verticality including setting piling rigs/ gantry in position, temporary works for driving piles etc. complete all as per detailed specifications and directions of the Engineer-in-charge.	1050	Nos	36,501.00	Rupees Thirty Six Thousand Five Hundred One Only	38,32,605.00	Rupees Thirty Eight Lakh Thirty Two Thousand Six Hundred Five Only
20	Schedule-II, Price Bid, Part B, Item No 23	Schedule-II, Page No.3/5	<b><u>SI.No.23 of Part B- Bill of Quantities</u></b>							
			<b>Sl. No.</b>	<b>Sub- heads and items of work</b>	<b>Approximate Quantity</b>	<b>Unit</b>	<b>Departmental Rate (Rs)</b>	<b>Departmental Rate in Words</b>	<b>Departmental Amount in Rs.</b>	<b>Departmental Amount in Words</b>
			23	Supply and application of Rearth Crete FC putty Build, first coat Epilux 9 IPN coating grey (airless spray / brush)- 50 microns, second coat Epilux 9 HB phenolic IPN coating light grey (airless spray/ brush)- 100 microns, finishing	7354.00	m <sup>2</sup>	1,485.00	Rupees One Thousand Four Hundred Eighty Five Only	1,09,20,690.00	Rupees One Crore Nine Lakh Twenty Thousand Six Hundred Ninety Only

			coat Berger thane IPN coating dark grey (airless spray/ brush)-50 microns as per drawing and specifications including manpower, paint, consumables, scaffolding fixing and removing, cleaning and preparing surfaces with sand paper if necessary or by any other approved means etc., tools & tackles, power tooling (grinding), pontoon, electricity, steel rod cutting, safety PPE's, overheads, etc. complete							
			<b><u>is replaced as</u></b>							
			<b><u>SI.No.23 of Part B- Bill of Quantities</u></b>							
			Sl. No.	Sub- heads and items of work	Approximate Quantity	Unit	Departmental Rate (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words

			23	Supply and application of Rearm Crete FC putty Build, first coat Epilux 9 IPN coating grey (airless spray / brush)- 50 microns, second & third coat Epilux 9 HB phenolic IPN coating light grey (airless spray/ brush)- 100 microns each, finishing coat Berger thane IPN coating dark grey (airless spray/ brush)-50 microns as per drawing and specifications including manpower, paint, consumables, scaffolding fixing and removing, cleaning and preparing surfaces with sand paper if necessary or by any other approved means etc., tools & tackles, power tooling (grinding), pontoon, electricity, steel rod cutting, safety PPE's, overheads, etc. complete	7354.00	m 2	1,485.00	Rupees One Thousand Four Hundred Eighty Five Only	Rupees One Crore Nine Lakh Twenty Thousand Six Hundred Ninety Only															
21	Section IV, Technical Specifications	Section - IV Page No.358	<p><b><u>New Clause is added as follows:</u></b></p> <p><b>Clause 10 of Technical Specifications</b></p> <p><b>10. LIST OF APPROVED MATERIALS/ MAKES</b></p> <p>Specification/brand names of materials (Refer materials, whichever are applicable for the scope of work) and finishes approved are listed below. However, approved equivalent material and finishes of any other specialized firms may be used with the approval of the alternate brand by the Engineer-in-Charge.</p> <table border="1"> <thead> <tr> <th>SI No</th> <th>Materials</th> <th>Approved Make</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Civil and Marine Works</td> <td></td> </tr> <tr> <td></td> <td>1) Cement</td> <td>Ultratech, Birla, Coromandal, Malabar Cement, Ambuja, Zuari, Penna, Bharath, Dalmia or equivalent</td> </tr> <tr> <td></td> <td>2) Reinforcement Bars</td> <td>TATA, SAIL, RINL, JSW, JSPL, Shyam Steel or equivalent</td> </tr> <tr> <td></td> <td>3) Structural Steel</td> <td>TATA, SAIL, RINL, JSW, JSPL or equivalent</td> </tr> </tbody> </table>							SI No	Materials	Approved Make	1	Civil and Marine Works			1) Cement	Ultratech, Birla, Coromandal, Malabar Cement, Ambuja, Zuari, Penna, Bharath, Dalmia or equivalent		2) Reinforcement Bars	TATA, SAIL, RINL, JSW, JSPL, Shyam Steel or equivalent		3) Structural Steel	TATA, SAIL, RINL, JSW, JSPL or equivalent
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			4) Mechanical Splicing – Couplers	Dextra, Bartec or equivalent
			5) Admixtures for Concrete	BASF, FOSROC, SUNANDA, CERA CHEM, SIKA or its equivalent
			6) Concrete Penetrating Corrosion Inhibiting Admixture	POLYALK CP-293, PCO KP-200 or equivalent
			7) Protective coat for Concrete Surface - Exposed to UV	Licensed suppliers of Interpenetrating Polymer Network Coating System (IPNet)
			8) Polypropylene fibres for secondary reinforcement in Screed Concrete	Recron 3s or its equivalent
			9) Fender System	Bridgestone, Trelleborg, IRM, Hitech , Brihans or equivalent
			10) Bollards	Trelleborg, Richard marine, E J Bean, Harbour marine , Marine International, IRM, Hitech or equivalent
		2	ELECTRICAL WORKS	
			1) 200 W LED Flame proof LED street light	BAJAJ/JSR SHAKTHI/SURYA/Crompton/Havells/Pyrotech/Philips.
			2) POLYCARBONATE LIGHT CONTROL PANELS	HENSEL/CAPE/Menekkes
			3) THERMOPLASTIC OUTDOOR CIRCUIT BREAKER BOXES	HENSEL/CAPE/Menekkes
			4) 1.1 KV XLPE CABLE	CCI / INCAB/ UNIVERSAL/ RPG/ NICCO/TORRENT / POLYCAB / PARAMOUNT/ KEI / HAVELLS / FINOLEX / V-GUARD/ L&T / PRIMECAB / RR KABEL / GLOSTER
			5) CABLE TERMINATION KIT	RAYCHEM /MAHINDRA / DENSON/3M/CCI / CABSEAL
			6) MCB / CONTACTOR / TIMER	LEGRAND / MK / ABB/ INDOASIAN / L &T / SIEMENS /SCHNEIDER / HPL
			7) LT ACB	LEGRAND / ABB/ L &T /SIEMENS /SCHNEIDER
			8) INDUSTRIAL PLUG WITH MCB	ABB / HAGER / HAVELLS / INDOASIAN / CROMPTON / LEGRAND / SCHNEIDER / L&T / HPL
			9) STREET LIGHT POLE	BAJAJ/ CROMPTONGREAVES/ PHILIPS/ RR-ISPAT/WIPRO
			10) HDPE PIPE	KONDOOR or any other make with BIS
			11) GI CABLE TRAY	PUSTRON/ SUMIP/ ERCON/L&T OR REPUTED MAKE WITH ISO

				CERTIFICATION.
			12) FLAME PROOF JUNCTION BOX	BHARAT/RITTAL OR EQUIVALENT MAKE WITH CIMFR - BIS - PESO CERTIFIED
			<b>Note:</b> For all other materials where the make is not specified, the samples shall be got approved by the Engineer-in-charge before procurement. In the cases where products of specified manufacturers are approved, their standard accessories are also acceptable, subject to obtaining prior sanction from the Engineer-in-charge	

**Sd/-  
CHIEF ENGINEER**