

Epoxy Floor Painting in Workshop in Depot of Noida - Greater Noida Corridor

NOIDA METRO RAIL CORPORATION

Pre-Bid Clarification

E-Tender No: NMRC/CIVIL/EPOXY FLOOR/19/2020

Dated: 20/07/2020

Pre Bid Meeting: July 17, 2020 at the Conference Room, Noida Metro Rail Corporation (NMRC) Limited, Ganga Shopping Complex, Sector 29, Noida-201301

S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
1	Renesco India Pvt.Ltd.	Clause 4.1, Eligibility Criteria of Sec 4: Qualification, Evaluation and Selection Process	Kindly define the above term "CIVIL WORKS OF FINISHING"	<p>4.1. Eligibility Criteria The Bidder's competence and capability is proposed to be established by the following parameters. The Bidder should meet all the criteria given in this section.</p> <p>a. Sole proprietorship, registered partnership firm, public limited company, private limited company of any of the above can submit the Bidder. The firms and the companies should be registered in India.No Joint Venture is permitted.</p> <p>b. The Bidder should have a minimum experience of having satisfactorily completed similar works during last 5 (five) years period ending last day of month previous to the one in any central gov/ state gov/ PSU/ NMRC or any private company which the bids are invited should be either of the following:</p> <p>i. One similar completed work costing not less than the amount equal to Rs. 64.10 Lakh (Rupees Sixty four Lakh Ten Thousand only) or</p> <p>ii. Two similar completed works each costing not less than the amount equal to Rs.40.06 Lakh (Rupees Forty Lakh Six Thousand only) or</p> <p>iii. Three similar completed works each costing not less than the amount equal to Rs. 32.05 Lakh (Rupees Thirty Two Lakh Five Thousand only)</p> <p>"Similar work" for this contract shall be "CIVIL WORKS OF FINISHING" in any Central Govt./ State Govt./ PSU's or any Private Limited company of repute.</p>	No Change

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2	Renesco India Pvt.Ltd	Clause 4. 18 of GCC	Electricity and water under NMRC scope, kindly clarify.	Govt./ PSU's or any Private Limited company of repute. 4.18. Electricity, Water and Gas The Contractor shall be responsible for making his own arrangements at his own cost to obtain supply of water, electricity or gas for the Works. The Employer where feasible may at its discretion assist the Contractor in this respect.	No Change
3	Renesco India Pvt.Ltd	Clause 6.2 Manufactures/ suppliers of Sec 6: Technical Specification	Is there any specific material approved make.	Manufacturers shall be considered with prior approval of the Engineer, if found conforming to all standards. Such requests should be made with all documents to the Engineer at least 45 days before the material is required and any order shall be placed only after receiving the written approval of the Engineer.	No Change
4	Renesco India Pvt.Ltd	Clause 2.1.2, 2.1.3 & 2.1.4, Scope of work, Sec 2: Terms of reference	In BOQ 3 mm thickness including all three layers (primer, levelling layer, top sealing layer) or for top sealing layer only. Please clarify.	2.1. Scope of Works 2.1.1. Thorough cleaning of concrete surface with grinding wherever required to remove extra mortar from the floor and to remove all the loose particles, contamination and laitance to provide strong gripping surface. 2.1.2. Application of primer coat on the concrete surface before application of any other material. 2.1.3. Application of water base PU medium resin over the primer coat for levelling of the undulation on the concrete floor surface, thickness ranging between 1 to 3 mm. 2.1.4. Application of two coats of water base hybrid PU epoxy two component system on levelling coat to seal the surface.	No Change

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5	Quantum Technologies	Clause 6.2 Manufacturers/ suppliers of Sec 6. Technical Specification	We are not clear about the nature of flooring material to use.	<p>All materials and products shall conform to the relevant standard specification, BIS codes and other relevant codes etc. and shall be of make as approved by Engineer. The Material used for the Epoxy Flooring should adhere to the following properties:</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Property</th> <th>Requirement</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Container Status</td> <td>Homogeneous, no lump after mixing</td> </tr> <tr> <td>2</td> <td>Appearance</td> <td>Normal</td> </tr> <tr> <td>3</td> <td>Drying Time</td> <td>Track Frees 8 Through 48</td> </tr> <tr> <td>4</td> <td>Hardness</td> <td>Pencil (scratch) ≥ H</td> </tr> <tr> <td>5</td> <td>Adhesive/grade</td> <td>≤ 1</td> </tr> <tr> <td>6</td> <td>Abrasion Resistance (750g/500r)</td> <td>≤ 0.060</td> </tr> <tr> <td>7</td> <td>Impact Resistance</td> <td>Grade 1 500g steel ball, 100cm height, no cracking and peeling Grade 2 1000g steel ball, 100cm height, no cracking and peeling</td> </tr> <tr> <td>8</td> <td>Slip resistance (Dry Friction Coefficient) ≥</td> <td>0.50</td> </tr> <tr> <td>9</td> <td>Water Resistance 9168h0</td> <td>No, blistering and peeling, allow slight change in colour but recover in 2h</td> </tr> </tbody> </table>	S.No	Property	Requirement	1	Container Status	Homogeneous, no lump after mixing	2	Appearance	Normal	3	Drying Time	Track Frees 8 Through 48	4	Hardness	Pencil (scratch) ≥ H	5	Adhesive/grade	≤ 1	6	Abrasion Resistance (750g/500r)	≤ 0.060	7	Impact Resistance	Grade 1 500g steel ball, 100cm height, no cracking and peeling Grade 2 1000g steel ball, 100cm height, no cracking and peeling	8	Slip resistance (Dry Friction Coefficient) ≥	0.50	9	Water Resistance 9168h0	No, blistering and peeling, allow slight change in colour but recover in 2h	No Change
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6	Alchimica India Private Limited	Clause 6.2 Manufacturers/ suppliers of Sec 6: Technical Specification	I would like to know that do you have any restriction on the approved make or any approval has to be done.	<table border="1"> <tr> <td>10</td> <td>Oil (120# gasoline, 72h)</td> <td rowspan="2">No blistering and peeling, also slight color change</td> </tr> <tr> <td></td> <td>Alkali (20% NaOH, 72h)</td> </tr> <tr> <td></td> <td>Chemical resistance</td> <td>Acid (10% H2SO4, 48h)</td> </tr> </table>	10	Oil (120# gasoline, 72h)	No blistering and peeling, also slight color change		Alkali (20% NaOH, 72h)		Chemical resistance	Acid (10% H2SO4, 48h)	No Change
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(Saleem Khan)

DGM/Civil-II


(Avinash Kumar)

DGM/RS E&O


(Rajan Prakash)

DGM/Finance

Place: Noida

*Please Note – The above clarifications shall supersede to all the respective provision in tender documents.