

"Design, Detail Engineering, Supply, Erection, Testing and Commissioning of Reactive Power Compensation and power quality Improvement along with associated equipments & integration with existing protection and SCADA system for Ahmedabad metro rail projects Phase-1 & 2".					
Tender No. GMRCL/TR/PF improvement/2026				ADDENDUM NO: 2, DATED: 20/05/2026	
S. N.	Vol	Clause	Page no.	Clause Description (relevant portion) as existing in the Bid Documents	Clause Description (relevant portion) as amended now to be read as
1	II	Clause 2.1 Table 2.1 Sr. No. 2	17 of 28	Network voltage variation <b>±10%</b>	Network voltage variation <b>+10% , -15%</b>
2	II	Clause 1.4.25	08 of 28	The DRPC system shall be designed to operate within a wide voltage range of <b>415V +/- 15%</b> and a frequency range of 50 Hz +/- 3%, ensuring operational continuity during adverse conditions.	The DRPC system shall be designed to operate within a wide voltage range of <b>415V +10% /(-) 15%</b> and a frequency range of 50 Hz +/- 3%, ensuring operational continuity during adverse conditions.
3	II	Clause 2.1 Table Sr. No. 4	17 of 28	Ambient Temperature (°C) 50°C (Derating applicable after 40°C)	Ambient Temperature (°C) <b>45°C</b>
4	II	Clause 1.4.26	08 of 28	The DRPC system shall deliver 100% output at an ambient temperature of +50°C (with relative humidity up to 95%), and should operate up to +60°C with some duration. Any necessary derating shall be accounted for during sizing and submitted with the technical bid.	The DRPC system shall deliver 100% output at an ambient temperature of <b>+45°C</b> (with relative humidity up to 95%), and should operate up to <b>+50°C</b> with some duration. Any necessary derating shall be accounted for during sizing and submitted with the technical bid.
5	II	Clause 2.5.	28 of 28	The overall key SLD of Ahmedabad Phase-I and Phase-II depicting the location and sizing of Auxiliary Transformer at each station is provided as enclosure to this document for ready reference and further planning for installation of DRPC system. Encl:- 1.Overall Key SLD for EW corridor of Ahmedabad Phase-I 2.Overall Key SLD for NS corridor of Ahmedabad Phase-I 3.Overall Key SLD for Ahmedabad Phase-II corridor	The overall Key SLD of Ahmedabad Phase-I and Phase-II has been enclosed herewith as <b>Annexure-1 of Addendum 2.</b>
6	II	Clause 1.2.4	02 of 28	<b>To arrange inspection by GMRCL officials</b> for routine test, Type test, Factory Acceptance Test and Site test for various items used in the subject work.	<b>The arrangement for inspection by GMRCL officials shall be take care by GMRCL itself</b> for routine test, Type test, Factory Acceptance Test and Site test for various items used in the subject work.
7	II	Clause 1.4.15	06 of 28	The heat loss (in kW) together with the control and cooling power consumption in each DRPC unit shall not exceed <b>1.5%</b> of its rated capacity (in kVAR)	The heat loss (in kW) together with the control and cooling power consumption in each DRPC unit shall not exceed <b>2%</b> of its rated capacity (in kVAR)

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8	II	Clause 1.4.16	06 of 28	Each DRPC unit shall feature intelligent control technology that minimizes internal heat loss under each operating condition (such as current grid voltage, DRPC loading, operating temperature, harmonics to be cancelled, etc.) in real time, ensuring the unit's internal heat loss remains as low as possible. Therefore, the resultant full-load efficiency shall be more than <b>98.5%</b> .	Each DRPC unit shall feature intelligent control technology that minimizes internal heat loss under each operating condition (such as current grid voltage, DRPC loading, operating temperature, harmonics to be cancelled, etc.) in real time, ensuring the unit's internal heat loss remains as low as possible. Therefore, the resultant full-load efficiency shall be more than or equal to <b>98.0%</b>
9	II	Clause 1.4.18	07 of 28	Each DRPC unit shall be equipped with a password-protected HMI ( <b>minimum 11 inches</b> ) mounted on the front, suitable for programming, monitoring, and controlling the unit's performance.	Each DRPC unit shall be equipped with a password-protected HMI ( <b>minimum 7 inches</b> ) mounted on the front, suitable for programming, monitoring, and controlling the unit's performance.
10	II	Clause 1.4.19(b)	07 of 28	The HMI shall allow monitoring electrical network parameters, and DRPC parameters to have the following features: b)Recording of <b>50,000 events</b> .	The HMI shall allow monitoring electrical network parameters, and DRPC parameters to have the following features: b)Recording of <b>20,000 events</b> .
11	II	Clause 2.4.6	26 of 28	Contractor has to depute the person on site within <b>12 hrs</b> of the registration of the complaint/assistance call. In case of delay from the contractor in deployment of person on site, the penalty shall be applied at 5,000/- per hour for the delay caused by contractor in deployment of person.	Contractor has to depute the person on site within <b>24 hrs</b> of the registration of the complaint/assistance call. In case of delay from the contractor in deployment of person on site, the penalty shall be applied at 5,000/- per hour for the delay caused by contractor in deployment of person.

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**ADDENDUM NO: 2, DATED: 20/05/2026**

S. N.	Vol	Clause	Page no.	Clause Description (relevant portion) as existing in the Bid Documents	Clause Description (relevant portion) as amended now to be read as																																																																
12	I	Appendix 7 (Staffing Schedule)	19 of 51	<div>FORM OF TENDER - APPENDIX 7</div> <div>STAFFING SCHEDULES AND ORGANISATION CHART</div> <div>The tenderer shall submit with his Tender a Project Management Plan and demonstrate that it has the following personnel for the key positions that meet the following requirements:</div> <table><tr><th>S. No.</th><th>Position</th><th>Minimum No. of staff Requirement</th><th>Qualification</th><th>Total work Experience (years)</th><th>Experience In the field of DRPC system</th><th colspan="2">Deployment at Ahmedabad</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><th>Start</th><th>End</th></tr><tr><td>1.</td><td>Project Manager/Dy. Project Manager</td><td>1</td><td>B.Tech E.E./E.E.E</td><td>7</td><td>3</td><td>NTP</td><td>UP to execution period of 9 months</td></tr><tr><td>2.</td><td>Design Engineer</td><td>1</td><td>B.Tech E.E./E.E.E</td><td>5</td><td>3</td><td>NTP</td><td>NTP to 3 months/till Design works end</td></tr><tr><td>3.</td><td>Installation &amp; Commissioning of Site Engineer</td><td>2 Team*</td><td>Diploma/B.Tech in E.E./E.E.E.</td><td>3</td><td>2</td><td>2 month after NTP</td><td>Till completion of commissioning and integration of works</td></tr><tr><td>4.</td><td>SCADA Design cum Installation &amp; Commissioning Engineer</td><td>1 Team*</td><td>Diploma/B.Tech in E.E./E.C./E.E.E.</td><td>3</td><td>2</td><td>2 month after NTP</td><td>Till completion of commissioning and integration of works</td></tr><tr><td>5.</td><td>Field Service Engineer</td><td>2 no.</td><td>Diploma in E.E./E.E.E</td><td>2</td><td>1</td><td colspan="2">To be available at site within the 12 hrs. of registration of complaint and as when required for CAMC works of system.  Services to be provided from starting of DLP to till completion of CAMC period.</td></tr><tr><td>6.</td><td>SHE Engineer</td><td>1</td><td>Diploma/B.Tech in any engineering discipline with the diploma certificate in Fire and Safety from the AICTE accredited university</td><td>3</td><td>1</td><td>1 month after NTP</td><td>Till DLP End</td></tr></table> <div>The Bidder shall submit the undertaking for deploying the personnels having the qualification and experience as mentioned in above table in case of award of tender as per deployment schedule.</div>	S. No.	Position	Minimum No. of staff Requirement	Qualification	Total work Experience (years)	Experience In the field of DRPC system	Deployment at Ahmedabad								Start	End	1.	Project Manager/Dy. Project Manager	1	B.Tech E.E./E.E.E	7	3	NTP	UP to execution period of 9 months	2.	Design Engineer	1	B.Tech E.E./E.E.E	5	3	NTP	NTP to 3 months/till Design works end	3.	Installation & Commissioning of Site Engineer	2 Team*	Diploma/B.Tech in E.E./E.E.E.	3	2	2 month after NTP	Till completion of commissioning and integration of works	4.	SCADA Design cum Installation & Commissioning Engineer	1 Team*	Diploma/B.Tech in E.E./E.C./E.E.E.	3	2	2 month after NTP	Till completion of commissioning and integration of works	5.	Field Service Engineer	2 no.	Diploma in E.E./E.E.E	2	1	To be available at site within the 12 hrs. of registration of complaint and as when required for CAMC works of system.  Services to be provided from starting of DLP to till completion of CAMC period.		6.	SHE Engineer	1	Diploma/B.Tech in any engineering discipline with the diploma certificate in Fire and Safety from the AICTE accredited university	3	1	1 month after NTP	Till DLP End	Revised Form of Tender- Appendix 7 is enclosed herewith as <b>Annexure-2 of Addendum 2</b>
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13	II	Clause 2.3.2 (j)	15 of 28	All test required pertaining to SCADA communication and remote operation and control of system.	.....All test required pertaining to SCADA communication and remote operation and control of system <b>as per clause no 2.3.2(j) is removed from Factory acceptance test and included as Clause 2.3.3.(g) as a Site Quality plan and Proedures.....</b>																																																																

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14	III	BOQ Preamble 1.11.6 (A)	12 of 16	New Clause to be added	<p>Prices so filled by Bidder while submitting the financial bid shall be of full compensation for supply, installation, testing, commissioning, integration of DRPC system.</p> <p>Bidder shall quote the prices in excel BOQ after taking the due consideration of all Technical Specifications, Drawings, General Specifications, SCC and GCC, NIT, ITT, FOT and other tender document, clarifications and addendum issued in this regards.</p> <p>Bidder has to thoroughly evaluate requirement of various item to make DRPC system functional as required under tender specifications while quoting the price in Price bid.</p> <p>At the time of execution, bidder shall not raise any claim of NS item for the reason being same is mentioned in Technical specification but not covered in BOQ.</p>
15	II	ERGS Clause 1.10.3 Table Sr No. 1	12 of 21	.....Ambient Temperature <b>35 °C</b> .....	.....Ambient Temperature <b>45 °C</b> .....
16	I	NIT 1.1.2 Key detail (e)	3	(e)Tender documents on sale / download of Tender Documents From 02-04-2026 to 25-05-2026 (up to 15:00 hrs) on e-tendering website <a href="https://tender.nprocure.com">https://tender.nprocure.com</a> . Tender document can only be obtained online after registration of tenderer on the website <a href="https://tender.nprocure.com">https://tender.nprocure.com</a> . For further information in this regard bidders are advised to Contact No. +91 79 23248572, Extension 527	(e)Tender documents on sale / download of Tender Documents From 02-04-2026 to <b>05-06-2026</b> (up to 15:00 hrs) on e-tendering website <a href="https://tender.nprocure.com">https://tender.nprocure.com</a> . Tender document can only be obtained online after registration of tenderer on the website <a href="https://tender.nprocure.com">https://tender.nprocure.com</a> . For further information in this regard bidders are advised to Contact No. +91 79 23248572, Extension 527
17	I	NIT 1.1.2 Key detail (j)	4	(j) Last date and time of submission of E-Tender = 25-05-2026, 15:00 Hrs	(j) Last date and time of submission of E-Tender = <b>05-06-2026</b> , 15:00 Hrs
18	I	NIT 1.1.2 Key detail (k)	4	(k) Opening of Technical Bid and Tender Guarantee = 25-05-2026, 15:30 Hrs	(k) Opening of Technical Bid and Tender Guarantee = <b>05-06-2026</b> , 15:30 Hrs